

freccia[®]

E N G I N E P A R T S



FRECCIA® is a very well known brand appreciated all over the world, thanks to our 90-year-old experience in the production of engine components, both for the Original Equipment Market and the Aftermarket.

We are pleased to present our Catalogue. It includes our 6 lines of products, with a range covering the main European, Japanese and American engine brands.

The quality of our products is guaranteed by the Certification of our quality systems according to the Standard ISO 9001:2008, obtained with last-generation machinery and a know-how developed thanks to a continual cooperation of our technical staff with the main engine manufacturers.

Our excellent logistic and sales team will quickly meet your requirements worldwide.

FRECCIA® è un marchio conosciuto ed apprezzato nel mondo grazie all'esperienza di 90 anni nella produzione di componenti motore destinati al mercato di primo impianto e aftermarket.

In questa occasione abbiamo il piacere di presentare il catalogo che comprende tutte le sei linee di prodotto con una gamma che copre le principali motorizzazioni europee, giapponesi e americane.

La qualità dei prodotti è garantita dalla certificazione dei sistemi di qualità secondo la norma ISO 9001:2008 perseguita grazie all'impiego di macchinari di ultima generazione e know-how sviluppato tramite una continua collaborazione dello staff tecnico con i maggiori costruttori di motori.

Un eccellente team logistico e commerciale sarà in grado di soddisfare le vostre richieste nel più breve tempo possibile in ogni parte del mondo.



freccia

PARTI MOTORE

ENGINE PARTS

PIECES DE MOTEURS

MOTORENTEILE

COMPONENTES DEL MOTOR

ЧАСТИ ДВИГАТЕЛЯ

freccia

QUALITÀ ACCIAI E SPECIFICHE

MATERIALS SPECIFICATIONS

QUALITE DES ACIERS ET SPECIFIQUES

MATERIAL SPEZIFIKATIONEN

**CALIDAD DE LOS ACEROS
Y ESPECIFICACIONES**

**ЧАСТИ ДВИГАТЕЛЯ СПЕЦИФИКАЦИЯ
МАТЕРИАЛОВ**

**N**

- I Valvole di aspirazione di normale impiego in acciaio al cromo nichel.
- GB Inlet valves for normal use in chrome nickel steel.
- F Soupapes d'admission d'emploi normal en acier au chrome nickel.
- D Einlaßventile für Normaleinsatz aus Chrom-Nickelstahl.
- E Válvulas de admisión de uso normal, de acero al cromoníquel.
- RUS Клапана всасывающие для нормального применения из стали с никелированным хромом.

S

- I Valvole di aspirazione con particolari esigenze e valvole di scarico per motori normali in acciaio martensitico al cromo silicio.
- GB Inlet valves with particular needs and exhaust valves for normal engines in silicon chrome-plated martensitic steel.
- F Soupapes d'admission avec des exigences particulières et soupapes d'échappement pour moteurs normaux en acier martensitique au chrom e silicium.
- D Einlaßventile mit besonderen Anforderungen und Auslaßventile für Normaleinsatz aus martensitischem Chrom-Siliziumstahl.
- E Válvulas de admisión con exigencias especiales y válvulas de escape para motores normales, en acero martensítico revestido de cromosilicio.
- RUS Клапана всасывающие со специальными требованиями и клапана выбрасывания для нормальных двигателей из стали типа мартензий с хромом типа силико.

XB

- I Valvole di scarico in acciaio al 20% di cromo con elevata resistenza alle alte temperature ed alla corrosione.
- GB Exhaust valves manufactured with steel containing 20% of chrome. These valves are particularly resistant to high temperatures and corrosion.
- F Soupapes d'échappement en acier à 20% de chrome avec une résistance élevée aux hautes températures et à la corrosion.
- D Auslaßventile aus Chromstahl 20% mit hoher Temperatur- und Korrosionfestigkeit.
- E Válvulas de escape de elevada resistencia a las altas temperaturas y a la corrosión, fabricadas de acero con 20% de cromo.
- RUS Клапана выбрасывающие из стали с 20% хрома с повышенной устойчивостью к высоким температурам и коррозиям.

R

- I Valvole di scarico in acciaio al cromo-nichel-manganese per motori a scoppio e Diesel in difficili condizioni termiche e meccaniche.
- GB Exhaust valves manufactured with chrome-nickel-manganese steel for petrol and Diesel engines which undergo difficult thermic and mechanical conditions.
- F Soupapes d'échappement en acier au chrome-nichel-manganèse pour moteurs à explosion et Diesel en conditions thermiques et mécaniques difficiles.
- D Auslaßventile aus Chrom-Nickel-Manganstahl für Benzin- und Dieselmotoren unter schwierigen thermischen und mechanischen Bedingungen.
- E Válvulas de escape para motores y Diesel de difíciles condiciones térmicas y mecánicas, fabricadas de acero al cromoníquel-manganeso.
- RUS Клапана выбрасывающие из стали с хромом-никелем-магнезием для двигателей от искры и на дизельном топливе используемых в трудных термических и механических условиях.


I

- I** Valvola in Nimonic. Superlega a base di nickel amagnetica, particolarmente adatta per valvole di aspirazione e scarico operanti ad elevatissime temperature ed in atmosfera altamente corrosiva (es. motori da corsa).
- GB** Valve manufactured with Nimonic. This is a super amagnetic alloy composed essentially by nickel, particularly suitable for inlet and exhaust valves which are subject to high temperatures and to a big corrosive action (i.e. racing engines).
- F** Soupape en Nimonic. Superalliage amagnétique à base de nickel, particulièrement approprié pour des soupapes d'admission et d'échappement travaillantes à des températures très élevées dans une atmosphère corrosive (Ex: moteurs de compétition).
- D** Ventile aus Nimonic. Das ist eine nicht-magnetische Superlegierung aus Nickel, die besonders für Einlaß- und Auslaßventile geeignet ist, die sehr hohen Temperaturen und einer großen Korrosion unterliegen (z.B.: Rennmotoren).
- E** Válvula de Nimonic. Superaleación a base de níquel amagnético, especialmente idónea para válvulas de admisión y escape que funcionan a muy altas temperaturas y en una atmósfera altamente corrosiva (es: motores de competición).
- RUS** Клапан из нимоника. Супер сплав в основе из никеля и амагнетика, особенно подходящий для всасывающих и выбрасывающих клапанов работающих при очень высоких температурах и в условиях повышенной коррозии (пр.двигатели для гоночных авто).

NT

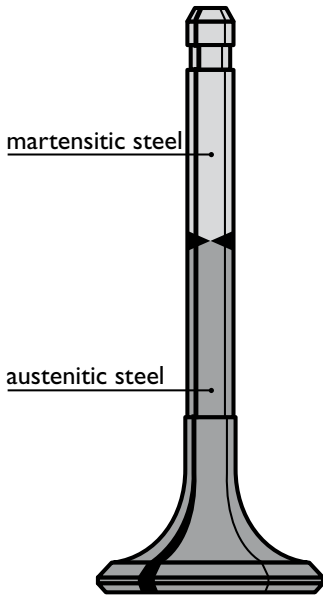
- I** Valvole che hanno subito il processo di nitrurazione morbida. Detto trattamento consente di migliorare la resistenza all'usura dello stelo. Lo strato sottoposto a tale trattamento funge anche da protezione superficiale limitando i pericoli di grippaggio anche in ipotesi di mancanza di lubrificazione.
- GB** Valves which have undergone a liquid nitriding process. This treatment improves the valve stem resistance to corrosion. The layer which undergoes such treatment also acts as a surface protection, limiting the danger of seizure, even in the absence of lubrication.
- F** Soupapes qui ont subi un procédé de nitruration. Ce traitement permet d'améliorer la résistance à l'usure de la tige. La couche soumise à ce traitement fait aussi de protection superficielle en limitant les dangers de grippage même s'il y a l'hypothèse de manque de lubrification.
- D** Ventile, die einem Nitrierungsprozess unterzogen worden sind. Diese thermische Behandlung erhöht die Verschleißfestigkeit des Schaftes. Die so behandelte Schicht funktioniert auch als Oberflächenschutz und verringert die Fressensgefahr auch bei fehlender Schmierung.
- E** Válvulas sometidas a un proceso de nitruración en baño de sales. Este tratamiento mejora la resistencia de las válvulas al desgaste. La capa sometida a dicho tratamiento actúa también como protección de la superficie, limitando el riesgo de agarrotamiento, incluso ausencia de lubricación.
- RUS** Клапаны прошедшие щадящий процесс нитрации. Так называемая обработка позволяет улучшить устойчивость стержней на износ. Слой подверженный такой обработке исполняет так же специфическую защиту, исключая опасность блокировки даже допуская отсутствие смазки.

CR

- I** Valvole con stelo cromato. Questo processo aumenta l'indurimento superficiale dello stelo con conseguenti vantaggi allo scorrimento.
- GB** Valves with chrome plated stem. This process increases the surface hardening of the stem with consequent sliding ease.
- F** Soupapes avec tige chromée. Cette procédé augmente le durcissement superficiel de la tige avec les avantages conséquents de glissement.
- D** Ventile mit verchromtem Schaft. Diese Behandlung verbessert die oberflächliche Verhärtung des Schaftes. Das erleichtert auch die Gleitung der Ventile in der Führung.
- E** Válvulas de acero cromado, proceso que aumenta el endurecimiento de la superficie del vástago, con las consiguientes ventajas de deslizamiento.
- RUS** Клапана с хромированным стержнем. Этот процесс повышает поверхностное затверждение стержня с последующими привилегиями при движении.

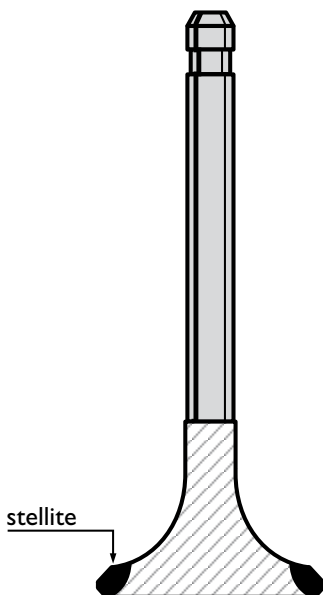


BM



- I** Valvole di scarico bimetalliche per motori a scoppio e Diesel con particolari esigenze. Queste valvole presentano la testa in acciaio R o I, i quali hanno una elevata resistenza al calore, e lo stelo in acciaio S, che ha una notevole resistenza all'usura. L'accoppiamento dei due acciai, austenitici e amagnetici per la testa e martensitico per lo stelo, consente l'indurimento dell'estremità dello stelo.
- GB** Bimetallic valves for Diesel and petrol engines with particular needs; the head of these valves is manufactured in R or I steel and is very resistant to heat, while the stem, made in S steel, is very resistant to wear. The combination of these two steels, austenitic amagnetic for the head and martensitic for the stem, allows the hardening of the stem end.
- F** Soupapes d'échappement bimétalliques pour moteurs à explosion et Diesel avec des exigences particulières; ces soupapes présentent la tête en acier R ou I avec une résistance à la chaleur élevée et la tige en acier S avec une grande résistance à l'usure. L'accouplement des deux aciers, austénitique et amagnétique pour la tête et martensitique pour la tige permet le durcissement du bout tige.
- D** Bimetall-Auslaßventile für Benzin- und Dieselmotoren mit besonderen Anforderungen: diese Ventile haben einen sehr hitzbeständigen Ventilkopf aus R oder I Stahl und einen sehr verschleißfesten Scaft aus S Stahl. Die Verbindung von zweien Stählen, d.h. einem Austenit-Stahl für den Ventilkopf und einem Martensit-Stahl für den Schaft gibt die Verhärtung des Schaftendes zu.
- E** Válvulas de escape bimetalicas para motores de explosión y Diesel de exigencias especiales. Estas válvulas poseen la cabeza en acero R o I, que tienen una alta resistencia al calor, y el vástago en acero S, de alta resistencia al desgaste. La combinacion de los dos aceros, auteníticos y amagnéticos en la cabeza de la valvula y martensítico para el vástago, permiten el endurecimiento del extremo del vástago.
- RUS** Клапана выбрасывающие двухметальные для двигателей от искры и дизельных с особенными требованиями. Эти клапана имеют головную часть из стали R или I, и которые имеют повышенную устойчивость к высоким температурам, и стержень из стали S, которая имеет повышенную устойчивость на износ. Сочетание двух видов стали аустенитичной и обезмагниченной для головной части и типа мартенстико для стержня, позволяет затвердить конечность оси.

AR



- I** Valvola stellite. Al fine di migliorare la resistenza all'usura ed alla corrosione della sede valvola, si ricorre ad un riporto di stellite sulla medesima. Tale riporto è particolarmente consigliato per motori alimentati con benzina senza piombo.
- GB** In order to improve the valve seat resistance to wear and to corrosion, the seat itself undergoes a stellite coating process. This is particularly recommended for engines which function with unleaded fuel.
- F** Pour améliorer la résistance de la siége de la soupape à la chaleur et à la corrosion, la siége est soumise à un traitement de report de stellite, qui est particulièrement conseillé pour moteurs alimentées avec carburants sans plomb.
- D** Um die Verschleiß- und Korrosionfestigkeit des Sitzes zu verbessern, wird der Ventil Sitz einer Bearbeitung mit Stelliteauflage unterbreitet. Diese Bearbeitung ist besonders für bleifrei Benzinmotoren geeignet.
- E** Válvula a base de stellite. A fin de mejorar la resistencia al desgaste y a la corrosión del asiento de la válvula, se recurre a una transferencia de aleación Stellite sobre la válvula. Dicha aplicación es especialmente aconsejable para motores que usan gasolina sin plomo.
- RUS** Клапан стелитированный. Для улучшения выносливости на износ и коррозию седельных клапанов, прибегают к покрытию стелитом этого же клапана. Такое покрытие особенно рекомендованно для моторов на бензине без олова.



G

- I** Ghisa grigia a matrice perlitica con % di fosforo; migliora la resistenza all'usura con elevata capacità antifrizione.
- GB** Pearlitic grey iron with % of phosphor; it improves the wear resistance with a high antifriction capacity.
- F** Fonte grise perlitique à graphite lamellaire avec % de phosphore; elle améliore la résistance à l'usure avec une haute capacité d'antifriction.
- D** Grauguss mit perlitischem Gefüge und Phosphoranteil; verringerter Verschleiß und geringer Reibungswiderstand.
- E** Fundición gris con matriz perlítica y % de fósforo; mejora la resistencia al desgaste con elevada capacidad de antifricción.
- RUS** Серый чугун с матрицей с % фосфора улучшает сопротивление на износ с повышенной способностью к потивосцеплению.

B

- I** Bronzo con % di manganese; ottima conduttività termica e molto resistente all'usura. Particolarmente adatto a motori di ultima generazione con testate in alluminio. Lega utilizzata dalle principali case costruttrici europee.
- GB** Bronze with % of manganese; excellent thermal conductivity and very wear resistant. Particularly fit for last generation engines with aluminium heads. Alloy used by leading European manufacturers.
- F** Bronze avec % de manganese; excellente conductivité thermique et très résistante à l'usure. Particulièrement indiqué pour les moteurs de la dernière génération avec culasses en aluminium. Alliage utilisé par les principaux constructeurs européens.
- D** Bronze mit Magnesiumanteil; hervorragende Wärmeleitfähigkeit und hoher Verschleißwiderstand. Diese Metall-Legierung findet Verwendung bei führenden europäischen Herstellern. Insbesondere geeignet für die letzte Zylinderkopfgeneration aus Aluminium.
- E** Bronce con % de manganeso; óptima conductividad térmica y muy resistente al desgaste. Particularmente adaptado a los motores de última generación con culatas de aluminio. Material utilizado en las principales marcas constructoras de Europa.
- RUS** Вронза с % магнезия отличный проводник тепла и очень устойчива на износ. Особенно подходит для моторов последнего поколения с головной частью из алюминия. Сплав используемый на ведущих европейских заводах.

SM

- I** Lega sinterizzata ad elevata resistenza meccanica.
- GB** Sintered alloy with high mechanical resistance.
- F** Alliage fritté avec haute résistance mécanique.
- D** Sinterlegierung mit hohem mechanischem Widerstand.
- E** Aleación sinterizada a una elevada resistencia mecánica.
- RUS** Сплав агломерированный с повышенной механической устойчивостью.

**A**

- I Acciaio cementato e temprato.
- GB Cemented and hardened steel.
- F Acier cémenté et trempé.
- D Zementierter, gehärteter Stahl.
- E Acero cementado y templado.
- RUS Таль цементированная и закаленная.

**A**

- I Acciaio speciale per sedivalvole particolarmente indicato per motori alimentati a benzina verde e diesel. Si distingue per:
 - Buona resistenza all'usura.
 - Buona resistenza ed indeformabilità a caldo
 - Ottima resistenza verso l'ossidazione a caldo fino a temperature superiori a 700° C.
- GB Special steel for valve seats particularly suitable for Diesel and unleaded petrol engines. Its main features are:
 - Good resistance to wear
 - Good resistance and no deformation in hot condition
 - Very good resistance to heat oxidation at temperatures over 700° C
- F Acier spécial pour sièges de soupape particulièrement indiqué pour moteurs à essence sans plomb et Diesel. Les caractéristiques principales de cet acier sont:
 - Bonne résistance à l'usure
 - Bonne résistance et indéformabilité à chaud
 - Considérable résistance à l'oxydation à chaud jusqu'aux températures supérieures à 700°C
- D Spezialstahl für Ventilsitze besonders geeignet für Dieselmotoren und bleifrei Benzinmotoren. Er unterscheidet sich durch:
 - Gute Verschleißfestigkeit.
 - Gute Wärmebeständigkeit und Formfestigkeit bei hohen Temperaturen
 - Sehr gute Wärmeoxydationsbeständigkeit bis zu Temperaturen über 700°C
- E Acero especial para asientos de válvula particularmente indicado para motores alimentados con gasolina sin plomo y diesel. Se distingue por:
 - Buena resistencia al desgaste
 - Buena resistencia e indeformabilidad al calor
 - Óptima resistencia a la oxidación con el calor hasta temperaturas superiores a 700°C
- RUS Сталь специальная для седельных клапанов особенно рекомендуется для двигателей на бензине без олова и дизельном топливе. Отличается
 - Хорошей устойчивостью на износ.
 - Хорошей устойчивостью от деформации при воздействии температур.
 - Отличная устойчивость на окисление при высоких температурах превышающих 700 C

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GUIDA ALL'USO DEL CATALOGO

HOW TO USE THE CATALOGUE

EMPLOI DU CATALOGUE



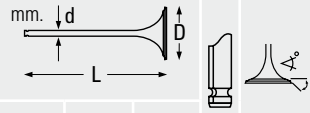
**ANLEITUNG ZUR BENUTZUNG DES
KATALOGES**

EMPLEO DEL CATALOGO

**РУКОВОДСТВО ПО
ИСПОЛЬЗОВАНИЮ КАТАЛОГА**

VALVOLE
ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type	 Ø	N. ORIGINALE o.e. number	IN/EX  D	RIFERIMENTO FRECCIA Freccia reference	 mm. d L D A
<p>Anno Year An Jahr Año Год</p>	<p>Cilindri Cylinders Cylindres Zylinder Cilindros Цилиндр</p>	<p>Marca, motore Make, engine Marque, moteur Typ, Motor Marca, motor, características Марка</p>	<p>Alesaggio Cylinder bore Alésage du cylindre Zylinderbohrung Diámetro Внутренний диаметр</p>	<p>Numero riferimento originale valvole Original part number for valves Numéro de référence première monte de la soupape Originalnummer der Ventile Número referencia original válvula Номер относящийся к оригинальному клапану</p>	<p>IN valvola aspirazione - EX valvola scarico IN Inlet Valve - EX Exhaust valve IN Soupape admission - EX Soupape échappement IN Einlassventil - EX Auslassventil IN válvula admisión - EX válvula escape IN клапан вытяжной - EX клапан выброса</p>	<p>Riferimento Freccia valvole Freccia reference for valves Référence Freccia soupapes Freccia Ventilnummer Referencia Freccia válvula Указатель Freccia клапана</p>	<p>Acciaio valvole Engine valves materials Matières des soupapes Werkstoff der Ventile Material de la válvula Материалы клапанов</p>
<p>Quote nominali valvole Nominal dimensions of the valves Cotes nominales des soupapes Nennabmessungen der Ventile Dimensión nominal válvula Номинальная отметка клапанов</p>			<p>Tipo fermo valvola Valve stem end type Type de gorge de fixation soupape Ausführung Ventilschaftende Tipo fijación válvula Тип стопора клапана</p>			<p>Angolo sede valvola Valve seat angle Angle du siège de soupape Sitzwinkel am Ventil Ángulo asiento válvula Угол седла клапана</p>	

GUIDAVALVOLE
VALVE GUIDES



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI	MATERIALE material	FORMA shape

Numero riferimento originale guidavalvole
Original part number for guides
Numéro de référence de première monte
du guide de soupape
Originalnummer der Ventilführungen
Número referencia original guía
Номер отметки оригинальной
направляющей

Riferimento Freccia guidavalvole
Freccia reference for valve guides
Référence Freccia guides de soupape
Freccia Ventilführungsnummer
Referencia Freccia guía
Указатель Freccia направляющих

IN aspirazione - EX scarico
IN Inlet - EX Exhaust
IN admission - EX échappement
IN Einlassventilführung - EX
Auslassventilführung
IN admisión - EX escape
IN вытяжной - EX выброса

Quote nominali guidavalvole
Nominal dimensions of the valve guides
Cotes nominales des guides de soupape
Nennabmessungen der Ventilführungen
Dimensión nominal guía
Номинальная отметка направляющих

Materiali guidavalvole
Valve guides materials
Matières des guides de soupape
Werkstoff der Ventilführungen
Material guía de válvula
Материалы направляющих клапанов

Forma guidavalvola
Valve guides shape
Forme des guides de soupape
Form der Ventilführungen
Forma guía de válvula
Форма направляющих клапанов

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I	NOTE remarks


Numero originale punterie / bilancieri
Original part number for lifters / rocker arms
Numéro de référence de première monte des
poussoirs / basculeurs
Originalnummer des Stössels / Kipphebel
Número original taquet / balancines
Оригинальный номер толкателя /
Коромысла клапанов

Riferimento Freccia punterie / bilancieri
Freccia reference for lifters / rocker arms
Référence Freccia des poussoirs / basculeurs
Freccia Stösselnummer / Kipphebelnummer
Referencia Freccia taquet / balancines
Указатель Freccia толкателя / Коромысла
клапанов

I punterie idrauliche - M punterie meccaniche
I Hydraulic lifters - M mechanical lifters
I poussoirs hydrauliques - M poussoirs
mécaniques
I hydraulisch - M mechanisch
I taquet hidráulico - M taquet mecánico
I толкатели гидравлические - M толкатели
механические

GUIDA ALL'USO DEL CATALOGO HOW TO USE THE CATALOGUE

ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
<p>Anno Year An Jahr Año Год</p>	<p>Cilindri Cylinders Cylindres Zylinder Cilindros Цилиндр</p>	<p>Marca, motore Make, engine Marque, moteur Typ, Motor Marca, motor, características Марка</p>	<p>Alesaggio Cylinder bore Alésage du cylindre Zylinderbohrung Diámetro Внутренний диаметр</p>	<p>Numero riferimento originale Original part number Numéro de reference première Originalnummer Número referencia original Номер относящийся к оригинальному</p>	<p>Riferimento Freccia Freccia reference Référence Freccias Freccia Nummer Referencia Freccia Указатель Freccia</p>	<p>Quote nominali Nominal dimensions Cotes nominales Nennabmessungen Dimensión nominal Номинальная отметка</p>			

ISTRUZIONI DI MONTAGGIO INSTALLATION INSTRUCTIONS

REGOLE PER IL CORRETTO MONTAGGIO

Freccia International srl **raccomanda il montaggio corretto "a regola d'arte"** di tutti i suoi prodotti secondo quanto prescrivono le Case Costruttrici.

Freccia International srl **prescrive la sostituzione a nuovo di tutti i componenti che interagiscono con la valvola:** guidavalvole, punterie idrauliche (ove presenti), piattelli, semiconi, molle, sedi-testa, paraoli.

La mancata sostituzione di tali componenti (con altri nuovi) può causare una usura precoce della valvola o la rottura immediata della stessa.

Il rimpiazzo del paraolio montato sulla guida-valvola è necessario per evitare trafileggi eccessivi di olio.

Inoltre onde evitare difetti nell'allineamento degli assi dei componenti, è necessario il ripristino delle corrette tolleranze dimensionali, di posizione e di forma prescritte dalle case costruttrici.

Raccomandazioni:

1 In fase di montaggio lubrificare il foro della guida e la sede-valvola.

2 Evitare di colpire con il martello (anche quello di gomma) la zona terminale dello stelo già in tensione dalle molle nell'errata convinzione di assestare valvole e componenti accoppiati.

3 PER MOTORI DOTATI DI PUNTERIE IDRAULICHE, a motore completamente montato, è necessario fare compiere al motore stesso (manualmente) alcuni giri e quindi attendere almeno 30 minuti prima di avviare (questo accorgimento è necessario per permettere alle punterie idrauliche di svolgere il loro compito in maniera progressiva e senza "urti").

4 Sostituire olio motore vecchio e relativo filtro.

5 PER MOTORI DOTATI DI PUNTERIE MECCANICHE, dopo il montaggio ripristinare il giuoco punterie/pastiglie- registro valvole al valore prescritto dalle case costruttrici e ripetere l'operazione dopo 1000 km di funzionamento.

6 Le valvole operano in condizioni di intenso stress meccanico e sono sottoposte ad alta temperatura e ad attacchi chimici. Pertanto quando sono chiuse devono avere una perfetta tenuta altrimenti si verifica un'immediata caduta di potenza e si innesca una prematura usura della valvola.

ALBERI A CAMME FRECCIA

Queste norme di montaggio, che vi invitiamo a seguire scrupolosamente, vi vengono fornite al fine di garantire un corretto montaggio e utilizzo dell'albero a camme FRECCIA.

Vi invitiamo a seguire attentamente le seguenti istruzioni:

1 Controllare attentamente che il prodotto da Voi acquistato sia identico a quello da sostituire.

2 Controllare che tutte le parti che sono direttamente o indirettamente a contatto con l'albero a camme non presentino usure eccessive, in caso contrario provvedere alla sostituzione.

3 Provvedere alla sostituzione delle punterie e martelletti al fine di evitare anomalie funzionali dell'albero a camme.

4 Prima di posizionare il nuovo albero a camme controllare che tutti i canali di lubrificazione siano puliti al fine di poter permettere un'efficace lubrificazione.

5 Provvedere alla regolazione del gioco assiale dell'albero montato osservando scrupolosamente le istruzioni riportate nel manuale di manutenzione del fabbricante del motore.

6 Controllare la regolazione punterie dopo circa 800 km dall'intervento.

L'inosservanza di quanto sopra riportato, unitamente alle istruzioni prescritte dal costruttore motore, comportano l'annullamento della garanzia sul prodotto.

INSTRUCTIONS FOR A CORRECT ASSEMBLY

Freccia International srl **recommends a correct assembly** of all its components in conformity with the instructions of the manufacturing Companies.

Freccia International srl **prescribes to replace all the components interacting with the valves with newly-made ones**, that is new guides, new hydraulic lifters - when provided -, new shims, new valve cotters, new springs, new valve seats and new valve seals.

If the replacement of the above-mentioned components with new ones is not carried out, an earlier wear-out or a sudden breaking of the valve itself may occur.

The replacement of the oil seal fitted on the valve-guide is required in order to avoid too much flowing of the oil.

In addition, in order to avoid defects in the alignment of the axes of the components, it is necessary to replace the correct size, position and shape tolerances, as suggested by the Original Manufacturing Companies.

Warning:

1 While assembling the components, lubricate the guide bore and the valve seat.

2 Avoid to striking with a hammer -even a rubber one- the terminal part of the stem, already under tension of the springs, with the wrong idea of putting both valves and the matched components in the right position.

3 WITH REFERENCE TO ENGINES EQUIPPED WITH HYDRAULIC LIFTERS, once the engine has been completely assembled, it is necessary to make the engine run shortly - even by hand - and then wait at least 30 minutes before starting it again. This caution is necessary in order to let to the hydraulic lifters work properly in a progressive way, and without shocks.

4 Replace the previous engine oil and its filter

5 WITH REFERENCE TO ENGINES EQUIPPED WITH MECHANICAL LIFTERS, after assembling the components, restore the clearance lifters/shims to the value suggested by the Original Manufacturer Companies and repeat this operation after running 1.000 Km.

6 The valves work subjected to an intensive mechanical strain, a high temperature and chemical attacks. Therefore, when closed they must completely seal the combustion space, otherwise an immediate loss of power and a possible early valve failure may occur.

FRECCIA CAMSHAFTS

These assembly rules are supplied in order to guarantee a proper assembly and use of FRECCIA camshafts.

We invite you to strictly follow our instructions:

1 Check carefully: the product you buy should be identical to the product to be replaced

2 Check carefully: all the parts directly or indirectly in contact with the camshaft should not have excessive wear, otherwise these components should be replaced.

3 Replace lifters and rocker arms in order to avoid any functional anomaly of the camshaft.

4 Before fitting the new camshaft: check that all oil ways are clean in order to allow a proper lubrication

5 Adjust the camshaft end float strictly following the instructions given in the engine manufacturer's workshop manual.

6 Check the lifters adjusting after around 800 km

The non-observance of what above, along with the instructions given by the engine manufacturer, will make the product warranty invalid.

CONDIZIONI GENERALI DI VENDITA GENERAL SALES CONDITIONS

Le seguenti condizioni si intendono integralmente accettate dal Cliente all'atto del conferimento dell'ordine

CONVENZIONE APPLICATA

La normativa internazionale che si applica per la vendita internazionale è la CONVENZIONE DELLE NAZIONI UNITE SULLA VENDITA INTERNAZIONALE DELLE MERCI (VIENNA 11 APRILE 1980) - Convenzione di diritto uniforme

CONDIZIONI GENERALI DI GARANZIA

Freccia International srl commercializza valvole per motori prodotte da Scarpa & Colombo, Azienda certificata **ISO 9001:2000 (Vision 2000)**.

Nel caso di riscontro di difetti, il Committente ne deve dare comunicazione per iscritto a Freccia International srl **nel più breve tempo possibile** dettagliando tale reclamo.

I particolari difettosi dovranno in ogni caso essere ritornati a spese del Cliente a Freccia International srl.

Nel caso che il componente, fornito difettoso, **non sia stato ancora utilizzato**, Freccia International srl rimpiazzerà lo stesso con uno conforme e senza addebito.

Per componenti **già assemblati difettosi**, Freccia International srl riconoscerà il solo costo dei propri particolari forniti non conformi.

Per ogni altra contestazione la responsabilità di Freccia International srl **resterà esclusa in caso di utilizzo e/o montaggio dei prodotti non conformemente alle specifiche condizioni** previste dal presente contratto (rif. al Par. "Regole per il corretto montaggio").

Quindi:

Freccia International srl non potrà essere ritenuta responsabile per qualsiasi altro esborso o danno conseguente l'utilizzo e/o il montaggio erraneo del prodotto o l'utilizzo e/o il montaggio di un prodotto che si riscontra già difettoso prima del montaggio.

La responsabilità di Freccia International srl **resterà esclusa** anche per danni derivanti ai prodotti per fatto non imputabile nemmeno indirettamente a Freccia International srl quali imballaggio, trasporto o stoccaggio dei prodotti effettuato a cura del Compratore con mezzi inadeguati.

Inoltre Freccia International srl non potrà essere ritenuta responsabile per perdite o danni subiti dal Compratore conseguentemente (ma non limitatamente a) cancellazioni di ordini da parte dei suoi Clienti, penali per ritardate consegne ai Clienti, nonché per qualsivoglia altro danno o penalità o rimborso inerente i rapporti del Compratore con i propri Clienti.

Per qualsiasi controversia è competente unicamente il Foro di Milano

The following terms and conditions are intended as accepted in full by the Customer to the order

AGREEMENT APPLIED

The International convention applied on international sales is the UNITED NATIONS AGREEMENT FOR THE INTERNATIONAL SALES OF GOODS -VIENNA APRIL 11TH. 1980 - that represents a uniform law agreement

GENERAL WARRANTY CONDITIONS

Freccia International srl sells engine valves manufactured by Scarpa & Colombo, a Company Certified **ISO 9001:2000 - Vision 2000**.

In case of any defect, the Purchaser must notify Freccia International srl of it **as soon as possible** in a detailed written claim.

The Purchaser must return the defective items, freight paid, to the Freccia International srl factory address.

In case of defective component we supplied and **which has not been assembled into the engine** yet, Freccia International srl will replace it with a new suitable one, free of charge.

In case of defective components we supplied and which have been assembled into the engine, Freccia International srl will refund only the cost of its own defective components.

As regards any other claim, the liability of Freccia International srl **will be excluded in case of the goods have already been used, and/or assembled without following the instructions** stated in the present agreement. - See paragraph: Instructions for a correct assembly.

Therefore:

Freccia International srl cannot be held liable for any expenditure or any other damage resulting from the wrong usage or assembly of the item or from the usage and/or assembly of an item that results already defective before the assembly.

The liability of Freccia International srl must also be excluded in case of damages to its products, indirectly attributed to Freccia International srl, such as packaging, transport, stocking of the products if caused by the Purchaser with unfit means of transport.

In addition, Freccia International srl will not be held liable for any expenditure or any other damages resulting either from cancellations of orders from its Customers, or from penalties for delayed delivery to its Customers, or from any other damage or penalty or refund concerning the relationship between the Purchaser and his own Customers.

Only the Court of Milan is competent to deal with any controversy.

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freccia

ALBERI A CAMME

CAMSHAFTS


ARBRES À CAMMES

NOCKENWELLEN


ÁRBOLES DE LEVAS

РАСПРЕДВАЛ (РАСПРЕДЕЛИТЕЛЬНЫЙ ВАЛ)


**ALBERI A CAMME
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
ALFA ROMEO DIESEL									
	4	145 - 146 -147 1.9JTD 156 1.9 JTD Eng. AR3202 Eng. AR37101 Eng. 192B9.000 1910 cc.	82	60813911 60816381	CM05-2115	428	36X44.5	36X44.5	
AUDI DIESEL									
1997	V6	A4 2.5 V6 TDI 24V	78.3	059 109 021BQ	CM05-2120	405	33X37	34X38.7	IN CYL 4-5-6
	V6	A6 2.5 V6 TDI 24V Eng. AFB-AKN-AKE		059 109 021BP	CM05-2121	405	33X37	34X38.7	IN CYL 1-2-3
1997/02	V6	A8 2.5 V6 TDI 24V Eng. AFB-AKN-AKE		059 109 022BC	CM05-2122	321	34.4X39.6	33X36.8	EX CYL 1-2-3
	V6	Allroad 2.5 V6 TDI 24V Eng. AKE 2496 cc.		059 109 022BD	CM05-2123	321	34.4X39.6	33X36.8	EX CYL 4-5-6
2002	V6	A62.5 V6 TDI 24V	78.3	059 109 021BA	CM05-2189	403	32.5X37.2		IN CYL 1-2-3
2002	V6	A6 2.5 V6 TDI 24V Eng. BAU-BDH Eng. BDG-BCZ 2496 cc.		059 109 021CK 059 109 021CR 059 109 021AS 059 109 021CL 059 109 021CS 059 109 022AF 059 109 022BQ 059 109 009BH 059 109 022AG 059 109 022BR 059 109 009BJ	CM05-2190	403	32.5X37.2		IN CYL 4-5-6
					CM05-2187	323	36X40.3		EX CYL 1-2-3
					CM05-2188	323	36X40.3		EX CYL 4-5-6
1999	4	A2 1.4 TDI Eng. AMF 1422 cc.	79.5	045 109 101C	CM05-2124	336	52.8X61.6		
2000	4	A3 - A4 - A6 1.9 TD Eng. ASM-ANV-ASZ-ATD Eng. BXE 1896 cc.	81	038 109 101R	CM05-2126	426	52.8X61.70	52.8X61.70	
2004	4	A4 2.0 TDI Eng. BPW-BRC 1968 cc.	81	038 109 101AH	CM05-2127	426	52.8X61.70	52.8X61.70	
2003/12	4	A3 2.0 TDI Eng. AZV-CBAA-BKD 1968 cc.	81	03G 109 101A 03G 109 102B	CM05-2179 CM05-2180	426.5 426	47.5X51.8 48.35X52.9	47.5X52.1 48.35X53.1	IN EX
2004	4	A4-A6 2.0 TDI Eng. BLB-BNA-BRE-BRF Eng. BVF-BVG 1968 cc.	81	03G 109 101A 03G 109 102C	CM05-2179 CM05-2177	426.5 426	47.5X51.8 48.35X52.91	47.5X52.1 48.35X53.10	IN EX


ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
2006	4	A3 2.0 TDI Eng. BMN - BVZ 1968 cc.	81	03G 109 101A 03G 109 102F	CM05-2179 CM05-2181	426.5 425.7	47.5X51.8 48.4X52.9	47.5X52.1 48.4X53.1	IN EX
CHEVROLET									
1986	3	Tico-Matiz Eng. F8- F8CV 796 cc.	68.5	1271078B10	CM05-2154	353	31X36.1	31X36.2	
1997	4	Lanos 1.4i 8V Eng. 13SMS 1397 cc.	76.5	A96352886	CM05-2155	433	26X31.7	26X32.3	
CHEVROLET DIESEL									
2011	4	Aveo 1.3D 16V 1248 cc.	69.6	46823508 46823507	CM05-2110 CM05-2109	340 355	30X33.2 30X33.2	30X33.2 30X33.2	IN EX
CITROËN DIESEL									
2005 2003 2002 2003 2008	4	C1 1.4 HDI C2 1.4 HDI C3 1.4 HDI Xsara 1.4 HDI Nemo 1.4 HDI Eng. 8HX-8HZ(DV4TD) 1398 cc.	73.7	0801.CY	CM05-2144	411	33.8X38.3		
2005	4	C3 1.6 HDI 16V Eng. 9HX-9HZ DV6TED4 1560 cc.	75	0801.Z9 3M5QA270AC 1313804	CM05-2146	402	33.9X37.5		IN
2004	4	C4 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4		0801.AH 1313805 3M5Q6A273AC	CM05-2145	390	33.8X37.5		EX
2005		Berlingo 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4 1560 cc.							
2004	4	C5 1.6 HDI 16V Eng.9HZ-9HY(DV6TED4) 1560 cc.							
2004	4	Xsara Picasso 1.6 HDI 16V Eng.9HZ-9HY(DV6TED4) 1560 cc.							


**ALBERI A CAMME
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
1993	4	ZX Break 1.7 Berlingo Eng. XUD7 1769 cc.	80 83	0801.E8 96031042 9603104288	CM05-2141	492	39X48.3	39X48.3	
1993 1994 1996 1993 1994	4	ZX Break 1.9 Xantia 1.9 Berlingo 1.9 Xantia S/SX Jumpy 1.9D Eng. XUD9A 1905 cc.							
2001 2002	4	C5 2.2 HDI 16V C8 2.2 HDI 16V Eng. 4HX-4HW Eng. DW12TEDA4 FAP 2179 cc.	85	0801.V9 0801.W0	CM05-2103 CM05-2102	402 456	33.8X37.8 33.80X37.9		IN EX
1998	4	Xantia - Xsara 2.0 TD Eng. DW 10 1997 cc.	85	0801.T5	CM05-2142	450	34X38.6	34X38.6	
1999 1999 1999 1999 2001	4	Evasion 2.0 HDI Eng. RHZ (DW10ATED) Xantia 2.0 HDI Xsara Picasso 2.0 HDI Eng. RHY-RHZ Eng. DWTD/ATED Jumpy 2.0 HDI Eng. RHY-RHX-RHZ Eng. DW10TD/ATED/BTED C5 2.0 HDI Eng. RHZ (DW10ATED) 1997 cc.	85						
2004	4	C4 2.0 HDI 16V C5 2.0 HDI 16V Eng. RHR(DW10BTED4) 1997 cc.	85	0801.T5	CM05-2142	450	34X38.6	34X38.6	
2007 1999 2007 2007	4	C8 2.0 Hdi Evasion 2.0 HDi Jumpy 2.0 Hdi Eng. RHK (DW10UTED4) Eng. RHW(DW10ATED4) Eng. RHM(DW10ATED4) Eng. RHT(DW10ATED4) 1997 cc.	85	0801.AC 0801.AE	CM05-2176 CM05-2175	430 457	33X36.9 34.5X38.2		IN EX
1994	4	Jumper 2.5D 12V Eng. T9A-DJ5 2446 cc.	92	0801.I2	CM05-2143	553	29.5X34.7	29.5X34.7	


ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
DACIA									
2004	4	Logan 1.6 i Sandero 1.6 i Eng. K7M-710 1598 cc.	79.5	7700272940	CM05-2182	404.35	34.83X29.06	35.6X30.7	
2010	4	Duster 1.6 16V Logoan 1.6 16V Eng. K4M690 1598 cc.	79.5	8200100527	CM05-2183	438	40.6X36		IN
				7700110675		CM05-2184			
				7700113894					
				8200100528					
				7700110676					
				7700113895					
DAEWOO see » CHEVROLET									
DAIHATSU									
	3	Charade 1.0 993 cc.	76	1351187710 1351187704	CM05-2157	370	33.5X40	33.5X40	
1988	4	Charade 1.3 16V Terios 1.3 16V Eng. HCE 1295 cc.	76	1350187103 1350187112	CM05-2156	430	28X32.9	28X33	
FIAT									
1989	4	Uno 70 ie Eng. 146C1.000 1372 cc.	80.5	7552612	CM05-2113	447	28X37.2	28X37.4	
1995/96	4	Brava 1.4 ie S - SX - 12V Bravo 1.4 ie S - SX - 12V Eng. 182A3.000 Eng. 182A5.000 1370 cc.	82	7724588	CM05-2111	404	36X42	36X42	Motori con punteria idraulica Engine with hydraulic lifter
2002	4	Ducato 2.0 Eng. RFL 1998 cc.	86	9637805488	CM05-2167	473	36.7x47.8		
1995	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V Eng. 182A4.000 Eng. 182A6.000 1581 cc.	86.4	46530226	CM05-2164 CM05-2163	434	34X43	34X43.3	EX IN
1995				46530232					
1996				46530234					
				46530233					
1996				46530228					
	46466370								
	46530230								

**ALBERI A CAMME
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
2003	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V	69.6	46823508 46823507	CM05-2110 CM05-2109	340 355	30X33.2 30X33.2	30X33.2 30X33.2	IN EX
2007 2009		Idea 1.3 MJT 16V 500 1.3 MJT 16V Qubo 1.3 MJT 16V Eng. 188A9.000 Eng. 169A.1000							
2006	4	Grande Punto 1.3 MJT 16V Eng. 199A2.000 Eng. 199A3.000 1248 cc.							
1999	4	Strada 1.9 JTD Eng. 223A6.000 1910 cc.	82	46523711	CM05-2114	428	36X45.5	36X44.5	
2001	4	Doblò 1.9JTD Eng. 182B.9000 1910 cc.	82	46772393	CM05-2108	428	36X44.5	36X44.5	
2000	4	Bravo-Marea 1.9JTD Eng. 182B4.000 Eng. 182B9.000 1910 cc.	82	46455736	CM05-2115	428	36X44.5	36X44.5	
1992	4	Uno 1.7D Fiorino 1.7D Eng. 146B2.000 1697 cc.	82.6	46444230	CM05-2104	437	38X46.8	38X46.8	Up to Engine 2264028 Attacco depressore mm. 9 Camshaft driven vacuum mm 9
1992	4	Uno 1.7D Fiorino 1.7D Eng. 146B2.000 1697 cc.	82.6	46552984	CM05-2117	437	38X46.8	38X46.8	From Eng. 2264029 Attacco depressore mm. 8 Camshaft driven vacuum mm 8
1987/94	4	Ducato 1.9D Eng. 149B1.000 1929 cc.	82.6	5950297 46444230	CM05-2106	437	38X46.8	38X46.8	Attacco depressore mm 9 Camshaft driven vacuum mm 9
1990/97 1990/96 1990/97		Tempra 1.9 TD Tipo 1.9 TD Marengo 1.9 TD Eng. 160A6.000/A6.046 Eng. 160D1.000 1929 cc.	82.6	46444253 46552982T9	CM05-2101	437	38X47	38X47	Up to engine N. 2264028 Attacco depressore mm 9 Camshaft driven vacuum mm 9

ALBERI A CAMME CAMSHAFTS


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
1995	4	Bravo-Brava 1.9D Tipo 1.9D Eng. 160A7.000 1929 cc.	82.6	46552982	CM05-2116	437	37X47.5	38X47.5	From Eng. 2264029 up to Eng. 2264028 Attacco depressore mm 8.20 Camshaft driven vacuum mm 8.20
2000	4	Ulysse 2.0 Eng. RHW 1997 cc.	85	9627040588 9627037188	CM05-2103 CM05-2102	402 456	33.8X37.80 33.80X37.90		IN EX
2001	4	Ulysse 2.2 JTD Eng. 4HW 2179 cc.							
1999 1999 1999	4	Ulysse 2.0 JTD Ducato 2.0 JTD Scudo 2.0 JTD Eng. RHZ-RHX-RHV 1998 cc.	85	9624835288	CM05-2142	450	34X38.6	34X38.6	
2007	4	Scudo 2.0 JTD 16V 1997 cc.	85	9644216280 9645973580	CM05-2176 CM05-2175	430 457	33X36.9 34.5X38.2		IN EX
1984	4	Ducato TD Argenta TD Eng. 8144.61 Eng. 8144.81 2445 cc.	93	7301255	CM05-2105	504	38X48.4	38X48.4	

FORD


1985	4	Fiesta 1.0i Eng. TLB 999 cc. Ecort 1.0 Eng. GSF 1117 cc.	68.7	97BM6251BB 6029395 1641007 1041777 7062358 1045599 6165215	CM05-2158	395	27.5x33	27x32.7	
1986 1987/89 1986/90	4	Escort 1.4 Eng. FUA-FUC Fiesta 1.4 Eng. FUB-FUD Orion 1.4 Eng. F6B-F6D-FUA-FUC 1392 cc. Zetec	77.24	1614766 B1SM6251KE 81FM6251KB	CM05-2153	446	31.5X37.2	32.5X38.3	

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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
FORD DIESEL									
2009	4	KA 1.3 TDCI Eng. FD4 1242 cc.	69.6	46823508 46823507	CM05-2110 CM05-2109	340 355	30X33.2 30X33.2	30X33.2 30X33.2	IN EX
2001 2002 2004	4	Fiesta 1.4TDCi Fusion 1.4 TDCi Fiesta Van 1. TDCi Eng. F6JA/F6JB 1399 cc.	73.7	2S6Q6250AD	CM05-2144	411	33.8X38.3		
1995	4	Galaxy 1.9 Tdi Eng. ANU-AUY-ASZ 1896 cc.	79.5	038 109 101R	CM05-2126	426	52.8X61.70	52.8X61.70	
1990	4	Escort 1.8D - 1.8TD Eng. RFA-RFB-RFD Eng. RFK-RFL-RFM Eng. RFN-RFS-RTA Eng. RTB-RTC 1753 cc.	82.5	6173095 89FF6250AA 1077095	CM05-2152	485	41.3X50.3	36.7X46.8	
2004	4	Transit 2.4Tddi 16V Eng. F4FA-D2FA-D2FE 2402cc.	89.9	1349549 1349547	CM05-2169 CM05-2170	465 465	36X41.2 36X41.3		IN EX
2006	4	Transit 2.4 TDCi 16V Eng. H9FD-JXFA-JXFC Eng. PHFA 2402 cc.	89.9	1704531 1372743 1372744	CM05-2171 CM05-2172	465 460	36X42 36X42.2		IN EX
HYUNDAI DIESEL									
1991	4	Galloper 2.5 TD Eng. D4BH 2476 cc.	91.1	MD137163	CM05-2119	461	31X36.55	31X36.55	
1993	4	Porter 2.5 D Eng. D4BA-D4BX 2476 cc.	91.1	MD050140	CM05-2118	461	31X37	31X37	
1991	4	H1 2.5 D - TD Eng. D4BB - D4BF 2476 cc.	91.1						
IVECO									
	4	Daily Eng. 8140.27 Eng. 8140.43 2798 cc. Eng. 8144.97 2499cc.	93	98427674	CM05-2147	504	38X48.4	40X49.4	
1996	4	Daily 2.8 TD Eng. 8140.43S 2798 cc.	93	0801.T9 98427672	CM05-2192	504	38X48,3	38X48,3	

ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
LANCIA									
1996/00	4	Y 1.4 ie 12V Eng. 840A4.000-840A2.000 1371 cc.	82	7724588	CM05-2111	404	36X42	36X42	Motori con punteria idraulica Engine with hydraulic lifter
LANCIA DIESEL									
1999	4	Lybra 1.9JTD Eng. AR323.02 1910 cc.	82	46455736	CM05-2115	428	36X44.5	36X44.5	
2001	4	Lybra 1.9JTD Eng. 182B.9000 1910 cc.	82	46772393	CM05-2108	428	36X44.5	36X44.5	
1999	4	Zeta 2.0 JTD Eng. RHZ 1998 cc.	85	9624835288	CM05-2142	450	34X38.6	34X38.6	
2000	4	Zeta -Phedra 2.0 JTD 16V Eng. RHW 1997 cc.	85	9627040588 9627037188	CM05-2103 CM05-2102	402 456	33.80X37.80 33.80X37.90		IN EX
2002	4	Phedra 2.2 JTD Eng. 4HW 2179 cc.							
MAZDA DIESEL									
2003	4	2 1.4 CDTi Eng. F6JA-F6JB 1398 CC.	73.7		CM05-2144	411	33.8X38.3		

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ANNO year	CIL cyls	MARCA E MODELLO make-type	 ←0→	N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
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MERCEDES BENZ

1995	4	C 180 1.8i 16V Eng. M111.920 1788 cc.	85.3	1110501801 1110501901 00A109102	CM05-2162 CM05-2131	428.5 428.5	40.90X50.20 37.20X46.40		IN EX
1996	4	200 E-CE 2.0 i 16V Eng. M111.940	89.9						
1997		C 200 2.0 i 16V							
1996		CLK 200 2.0 i 16V Eng. M111.941/945							
1996		C200 2.0 i 16V Komp.							
1995		CLK 200 2.0 i 16V Komp. Eng. M111.944							
1996		E 200 2.0 i 16V Eng. M111.940/942							
1997		SLK 200 2.0 i 16V Eng. M111.946							
1997		SLK 200 2.0 i 16V Komp. Eng. M111.943							
1999		E 200 2.0 i 16V Komp. Eng. M111.947 1998 cc.							
1992/96	4	220 E-CE 2.2 i 16V E220 2.2 i 16V Eng. M111.960 2199 cc.	89.9						
1993/96	4	C220 2.2 i 16V Eng. M111.961 2198 cc.							
1982	4	190 Eng. M102.922 1997 cc.	89	1020505501 1020504801 1020504501	CM05-2130	446	34x40.6	34x40.6	
	4	190 2.3 Eng. M102.982 2298 cc.	95	1020502501					

MINI DIESEL

2006	4	Mini Cooper D Eng. R55/56 1560 cc.	75		CM05-2145 CM05-2146	390 402	33.8X37.5 33.9X37.5		EX IN


ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
MITSUBISHI DIESEL									
1986		L300 2.5 Eng. 4D56	91.1	MD137163 MD302333	CM05-2119	461	31X36.55	31X36.55	
1988/91 1988/91		L200 2.5 TD L300 2.5 TD Eng. 4D56T 2477 cc.							
1991	4	L200 2.5 TD L300 2.5 TD Eng. 4D56T-4D56TD 2477 cc.	91.1	MD050140	CM05-2118	461	31X37	31X37	
NISSAN DIESEL									
2003 2002 2006 2006 2007	4	Micra 1.5 Dci Tekna Almera 1.5 Dci Note 1.5 Dci Qashqai 1.5 Dci Tiida 1.5 Dci Eng. K9K 1461 cc.	76	8200089894 8200718120 8200978873	CM05-2151 CM05-2148* CM05-2185*	453 452 451.10	35.8X44.6 36X45 36X44.02	35.8X44 36X44.6	CM05-2148* Con sensore di fase With phase sensor CM05-2185* Con 4 sensori di fase With 4 phase sensors
1986/97 1997/00	6 6	Patrol Td Eng. RD28T Patrol 2.8 TD Intercooler Eng. RD28TI 2826 cc.	85	13020 VB100	CM05-2100	649	39.5x48	40x49.5	
2002 2003	4	Interstar 2.5 Dci 16V Primastar 2.5 Dci 16V Eng. G9U 2463 cc.	89	8200019181 8200019183	CM05-2165 CM05-2166	506 486.5	40.1x35 40.12x35		IN EX
OPEL									
1997 2000	4 4	Corsa 1.2 i 12V Agila 1.2 i 12V Eng. X12XE-Z12XE-Z12XEP 1199 cc	72.5	5636057 636025	CM05-2136 CM05-2137	343 343	36X40.1 36X39.90		IN EX
1979/88 1982/93		Ascona 1.3 Corsa 1.3 Eng. 13S 1297 cc.	75	636000 636002 636053 636052 90167124 90281486 90156986	CM05-2134	433	26.1X31.8	26.1X31.8	


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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
1991/98 1989/93 1990/96 1990/91 1990/91 1988/92 1989/91 1990	4	Astra 1.4 Corsa 1.4 Corsa 1.4 i Kadett 1.4 Kadett 1.4 i Vectra 1.4 Combo 1.4 Combo 1.4 i Eng. C14NZ 1389 cc.	77.6	636010 606014 90444760 90392539	CM05-2135	432	26.1X32	26.1X35	
1994 1994/98 1996 1999	4	Astra 1.8 i 16V Eng. C18XE-C18XEL Astra 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V Eng. X18XE 1799 cc.	81.6	5636011 90512899 5636012 90512904	CM05-2173 CM05-2174	414 414	38X47.2 38X47.1		LATO IN LATO EX
1995 1993 1995	4	Astra 2.0 i 16V Omega 2.0 i 16V Vectra 2.0 i 16V Eng. X20XE	86	5636011 90512899 5636012 90512904	CM05-2173 CM05-2174	414 414	38X47.2 38X47.1		LATO IN LATO EX
1996 1995	4	Sintra 2.2 i 16V Eng. X22XE Frontera 2.2 i 16V Eng. X22SE-X22XE-Y22SE 2198 cc.	86	5636011 90512899 5636012 90512904	CM05-2173 CM05-2174	414 414	38X47.2 38X47.1		LATO IN LATO EX
2006	4	Antara 2.4 i 16V Eng. Z24XED 2405 cc.	87.5	5636011 90512899 5636012 90512904	CM05-2173 CM05-2174	414 414	38X47.2 38X47.1		LATO IN LATO EX
OPEL DIESEL									
2003 2005	4	Agila 1.3 16V CDTI Corsa 1.3 16V CDTI Meriva 1.3 16V CDTI Astra 1.3 16V CDTI Tigra 1.3 16V CDTI Eng. Z13CDTI 1248 cc.	69.6	5630059 93177302 93177303 5636060	CM05-2110 CM05-2109	340 355	30X33.2 30X33.2	30X33.2 30X33.2	IN EX
2000 2003 2001 2000	4	Astra 1.7 DTI 16V Corsa 1.7 DTI 16V Meriva 1.7 DTI 16V Combo 1.7 DTI 16V Combo Van 1.7 DTI 16V Eng. Y17DT/DTL Eng. Z17DTL 1686 cc.	79	636027 636028	CM05-2138 CM05-2139	425 390	37.45X45.65 37.6X46		LATO IN WITH GEAR 55 MM LATO EX WITH GEAR 55 MM


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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
1982 1984/99	4	Ascona 1.6 D Kadett 1.6 D Combo 1.6 D Eng. 16DA 1598 cc.	80	636121 90273386 90273368 80284704	CM05-2140	436	36X44.5		
1991 1989/91 1988 1988/92	4	Astra 1.7 D Kadett 1.7 D Vectra 1.7 D Combo 1.7 D Eng. 17D-17DR	82.5						
1998 1990		Astra 1.7 D Vectra 1.7 D Eng. X17DTL 1700 cc							
2007	4	Antara 2.0 CDTI Eng. Z20DM-Z20DTM 1991 cc.	83	4805877	CM05-2186	453.5	30X34.7	30X34.57	
2001 2003	4	Movano 2.5 DTI 16V Eng. G9U.A7 Vivaro 2.5 DTI 16V Eng. G9U.B7 2463 cc.	89	8200019181 8200019183	CM05-2165 CM05-2166	506 486.5	40.1X35 40.12X35		IN EX
PEUGEOT DIESEL									
2001 2005 2005 2001 2005 2008	4	307 1.4 HDI 1007 1.4 HDI 107 1.4 HDI 206 1.4 HDI 207 1.4 HDI Bipper Tepee 1.4 HDI Eng. DV4 TD-8HX-8HZ 1398 cc.	73.7	0801.CY	CM05-2144	411	33.8X38.3		
2004 2004 2004 2005 2005	4	206 1.6 HDI 16V 307 1.6 HDI 16V 407 1.6 HDI 16V 207 1.6 HDI 16V Ranch 1.6 HDI 16V Eng. 9HY-9HZ (DV6TED4) 1560 cc.	75	0801.Z9 3M5QA270AC 0801.AH	CM05-2146 CM05-2145	402 390	33.9X37.5 33.8X37.5		IN EX


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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
1986	4	205 D 309 GLD - GRD - SRD 309 XAD - XLD - XRD Eng. XUD9 - 162 1905 cc. Eng. XUD9 - 162	83	0801.E8 96031042 9603104288	CM05-2141	492	39X48.3	39X48.3	
1988		405 GLD - GRD							
1991		309 SRD - GRD J5 Eng. XUD9A							
1993/95		306 SRD - GRD Eng. XUD7 - XUD9 1905 cc.							
	4	Eng. DW10ATED4 1997 cc.	85	0801.V9 0801.W0	CM05-2103 CM05-2102	402 456	33.80X37.80 33.80X37.90		IN EX
	4	Eng. DW12TED4/FAP 2179 cc.							
1999	4	206 2.0 HDI	85	0801.T5	CM05-2142	450	34X38.6	34X38.6	
1999		306 2.0 HDI							
1999		406 2.0 HDI							
2000		307 2.0 HDI							
2000		806 2.0 HDI							
2000		Expert 2.0 HDI							
2000		Ranch 2.0 HDI							
		Eng. DW10TD-RHY-RHZ Eng. DW10ATED-RHY-RHZ Eng. DW10BTED-RHX 1998 cc.							
2003	4	307 2.0 HDI 16V	85	0801.T5	CM05-2142	450	34X38.6	34X38.6	
2004		407 2.0 HDI 16V							
2005		607 2.0 HDI 16V Eng. DW10BTED4-RHR 1997 cc.							
1999	4	806 2.0 HDI 16V	85	0801.AC	CM05-2176	430	33X36.9		IN
2006		807 2.0 HDI 16V		0801.AE	CM05-2175	457	34.5X38.2		EX
2000		Expert 2.0 HDI 16V							
2007		Expett 2.0 HDI 16V 120 HP Eng. RHK (DW10UTED4) Eng. RHW(DW10ATED4) Eng. RHM(DW10ATED4) Eng. RHT(DW10ATED4) 1997 cc.			2				
1994	4	Boxer 2.5 TD12V Eng. T9A-DJ5 2446 cc.	92	0801.L2	CM05-2143	553	29.4X34.7	29.4X34.7	
2000	4	Jumper 2.8 HDI Eng. 8140.43S 2798 cc.	94.4	0801.V8	CM05-2147	504	38X48.4	40X49.4	


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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
2004	4	Jumper 2.8 HDI Eng. 8140.43N 2798 cc.	94.4	0801.V8	CM05-2147	504	38X48.4	40X49.4	
RENAULT									
1999	4	Clio 1.4 i 16V Eng. K4J.A7/B7/C7	79.5	8200100527 7700110675	CM05-2183	438	40.6X36		IN
2005		Clio 1.4 i 16C Eng. KL4J.GA		7700113894 8200100528	CM05-2184	441	40x36.3		EX
1996		Megane 1.4 i 16V Eng. K4J.C7/D7 Eng. K4J.714/730/750		7700110676 7700113895					
2004		Megane 1.4 i 16V							
2004		Modus 1.4 i 16V Eng. K4J.G7 1390 cc.							
1998	4	Clio II 1.6 Megane 1.6 Eng. K7M 1598 cc.	79.5	7700272940	CM05-2182	404.35	34.83X29.06	35.6X30.7	
1998	4	Clio 1.6 i 16V	79.5	8200100527	CM05-2183	438	40.6X36		IN
2001		Kangoo 1.6 i 16V		7700110675					
1996		Megane 1.6 i 16V		7700113894					
2001		Kangoo Express 1.6 i 16V Eng. K4M.A7/B7/G7 Eng. K4M.700		8200100528 7700110676	CM05-2184	441	40x36.3		EX
2005		Clio 1.6 i 16V Eng. K4M.8		7700113895					
1997		Laguna 1.6 i 16V Eng. K4M.D7							
2005		Laguna 1.6 i 16V Eng. K4M.57							
2002		Megane 1.6 i 16V Eng. K4M.T7/W7							
2004		Modus 1.6 i 16V Eng. K4M.7 1598 cc.							


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ANNO year	CIL cyls	MARCA E MODELLO make-type	 ←0→	N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
RENAULT DIESEL									
2001	4	Clio II 1.5 Dci	76	8200089894	CM05-2151	453	35.8X44.6	35.8X44	CM05-2148*
2004		Modus 1.5 DCI		8200718120	CM05-2148*	452	36X45		Con sensore di fase
2003		Megane 1.5 DCI							With phase sensor
		Twingo 1.5 DCI							
2004		Scenic 1.5 DCI		8200978873	CM05-2185*	451.10	36X44.02	36X44.6	CM05-2185*
		Eng. K9K.B7/E7/N7/T7							Con 4 sensori di fase
2001		Kangoo 1.5 DCI							With 4 phase sensors
		Kangoo Express 1.5 DCI							
		Eng. K9K.A7/B7/V7 1461 cc.							
1998	4	Clio II 1.9 D	80	7700106678	CM05-2150	461	36.1X46	36.1X45	
		Kangoo 1.9 D							
		Eng. F8Q 600-606-622							
		Eng.F8Q630-632-662-							
		Eng. F8Q690 1870 cc.							
2000	4	Clio 1.9 DTI	80	8200043152	CM05-2168	462	36X46.2	36X44.8	
		Eng. F9Q 710-716-718							
		Eng. F9Q731-736 1870 cc.							
2003	4	Scenic 2.0 DCI	84	8200827912	CM05-2193	458.3	35X39.08	35X39.08	IN
2003		Megane 2.0 DCI		8200827922	CM05-2194	456.5	35X39.08	35X39.08	EX
2002		Laguna 2.0 DCI							
2002		Vel Satis 2.0 DCI							
2008		Koleos 2.0 DCI							
		Eng.M9R 700 - 740 760							
		Eng. M9R 780-832 1995 cc.							
1996	4	Espace 2.2 TD 12V	87	7700869325	CM05-2149	484	36X42	36X42.4	
		Eng. G8T.714/716							
1996		Laguna 2.2 TD 12V							
		Eng. G8T.760							
1997		Safrane 2.2 TD 12V							
		Eng. G8T.740 2188 cc.							
2003	4	Trafic 2.5 DTI 16V	89	8200019181	CM05-2165	506	40.1X35		IN
		Eng. 9U		82 00019183	CM05-2166	486.5	40.12X35		EX


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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
SEAT									
1997 1996 1997	4	Arosa 1.0 i Cordoba 1.0 i Ibiza 1.0 i Eng. AER-ALL 999 cc.	67.1	030 109 101BG	CM05-2128	426	52.8X61.70	52.8X61.70	
2002 2000 2001 2004 2002 2000	4	Avantime 2.2 DCI 16V Eng. G9T.L7 Espace 2.2 DCI 16V Eng. G9.TA7/J7/K7 Laguna 2.2 DCI 16V Eng. G9T.7 Laguna 2.2 DCI 16V Eng. G9T.7/A6 Vel Satis 2.2 DCI 16C Eng. G9T.7/A6D7/E7 Master 2.2 DCI 16V Eng. G9T.C7/F7 2187 cc.	87	8200019181 8200019183	CM05-2165 CM05-2166	506 486.5	40.1x35 40.12x35		IN EX
2003 2001	4	Trafic 2.5 DTI 16V Eng. G9U.B7 Master 2.5 DTI 16V Eng. G9U.A7 2463 cc.	89						
1996 1999	4	Master 2.8 TD Eng. S9W.700 Mascott 2.8 TD Intercooler Eng. 8140.43B-C-S-N 2798 cc.	94.4	7701035738	CM05-2147	504	38X48.4	40X49.4	


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ANNO year	CIL cyls	MARCA E MODELLO make-type	 ←0→	N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
SEAT DIESEL									
2000 2002 2002	3	Arosa 1.4 TDI Ibiza 1.4 TDI Cordoba 1.4 TDI Eng. AMF-BNM-BNV 1422 cc.	79.5	045 109 101C	CM05-2124	336	52.8X61.6		
2000 2002 2002	4	Alhambra 1.9 TDI Eng. AUU	79.5	038 109 101R	CM05-2126	426	52.8X61.70	52.8X61.70	
2002 2002	4	Cordoba 1.9 TDI Ibiza 1.9 TDI Eng. ATD	79.5						
2002 2002 2002 2003 2003	4	Alhambra 1.9 TDI Cordoba 1.9 TDI Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI Eng. ASZ	79.5						
2001 2001 2000	4	Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI Eng. ARL 1986 cc.	79.5						
2005	4	Leon 2.0 TDI Toledo 2.0 TDI Eng. BMM 1968 cc.	81	038 109 101AH	CM05-2127	426	52.8X61.70	42.8X61.70	
2009	4	Toledo 2.0 TDI Altea 2.0 TDI Leon 2.0 TDI Eng. AZV-BKD 1968 cc.	81	03G 109 101A 03G 109 102B	CM05-2179 CM05-2180	426.5 426	47.5X51.8 48.35X52.9	47.5X52.1 48.35X53.1	IN EX
2006		Toledo III 2.0 TDI Altea XL 2.0 TDI Leon 2.0 TDI Eng. BMN-BVZ 1968 cc.	81	03G 109 101A 03G 109 102F	CM05-2179 CM05-2181	426.5 425.7	47.5X51.8 48.4X52.9	47.5X52.1 48.4X53.1	IN EX


ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
SKODA									
2002/08 2001/07	3	Fabia 1.2 Praktik 1.2 Eng. AWY-BMD 1198 cc.	76.5	03D 109 101N	CM05-2178	306.5	36x41.43	36x41.30	
SKODA DIESEL									
2006 2007	4	Roomster 1.4 TDI Praktik 1.4 TDI Eng. BNM-BNV-AMF 1422 cc.	79.5	045 109 101C	CM05-2124	336	52.8X61.6		
2000 2000	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ATD	79.5	038 109 101R	CM05-2126	426	52.8X61.70	52.8X61.70	
2002	4	Superb 1.9 TDI Eng. AVB-AVF-AWX							
2003 2003	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ASZ							
2008 2006	4	Superb 1.9 TDI-PD Roomster 1.9 TDI-PD Eng. BLS-BXE-BSW 1896 cc.							
2005	4	Roomster 1.9 TDI Eng. BLS-BMM 1968 cc.	81	038 109 101AH	CM05-2127	426	52.8X61.70	42.8X61.70	
2005	4	Octavia 2.0 TDI Eng. AZV 1968 cc.	81	03G 109 101A 03G 109 101B 03G 109 102B	CM05-2179 CM05-2180	426.5 426	47.5X51.8 48.35X52.9	47.5X52.1 48.35X53.1	IN EX
2006	4	Octavia 2.0 TDI RS Eng. BMN-BVZ 1968 cc.	81	03G 109 101A 03G 109 101B 03G 109 102F	CM05-2179 CM05-2181	426.5 425.7	47.5X51.8 48.4X52.9	47.5X52.1 48.4X53.1	IN EX
SMART									
1998	3	Smart Eng. M160	63.5	Q0003067V003000	CM05-2129	259.4	36X40.4	36X40.4	
2002	3	Crossblade 600 Eng. M160 599 cc							
2003 2004 2003	3	Smart City Fortwo Raodster Eng. M160.910 698 cc.							


**ALBERI A CAMME
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
SUZUKI									
1983	4	Jimmy SJ 40 1.0	65.5	1271080002	CM05-2133	420	31X36.1	31X36.1	
1985		Super Carry 1.0		1271077314	CM05-2132	420	31X36.1	31X36.1	
1988		Samurai 1.0 Eng. F10A 970 cc.		1271077300					
SUZUKI DIESEL									
2003	4	Jimmy 1.5DDiS Eng. K9K 1461 cc.	76	8200089894	CM05-2151	453	35.8X44.6	35.8X44	
TOYOTA DIESEL									
1999	4	Avensis 2.0 D4-D 16V	82.2	13501-27011	CM05-2159	430	39.3x46.4		IN
1999		Corolla 2.0 D4-D 16V		13502-27011	CM05-2160	472	39.3x47.5		EX
2001		Previa 2.0 D4-D 16V							
2001		Rav 4 2.0 D4-D 16V Eng. 1CD-FTV 1995 cc.							
VOLKSWAGEN									
1996/99	4	Polo 1.0 i Lupo 1.0 i Eng. AER - ALL 999 cc.	67.1	030 109 101BG	CM05-2128	426	52.8X61.70	52.8X61.70	
2002/07	3	Polo 1.2 Eng. AWY-BMD 1198 cc.	76.5	03D 109 101N	CM05-2178	306.5	36x41.43	36x41.30	

ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
VOLKSWAGEN DIESEL									
1999	4	New Beetle 1.9 TDI	79.5	038 109 101R	CM05-2126	426	52.8X61.70	52.8X61.70	
1999/01		Bora 1.9 TDI							
1998/01		Golf 1.9 TDI							
1998/00		Passat 1.9 TDI							
2000		Sharan 1.9 TDI							
		Eng. AJM-ATJ							
1999/03	4	Sharan 1.9 TDI							
		Eng. ANU							
2001	4	New Beetle 1.9 TDI							
		Polo 1.9 TDI							
2000		Golf 1.9 TDI							
2000		Bora 1.9 TDI							
		Eng. ATD							
2000	4	Golf 1.9 TDI							
2000		Bora 1.9 TDI							
2003		Polo 1.9 TDI							
2002		Sharan 1.9 TDI							
		Eng. ASZ-ARL							
2000	4	Passat 1.9 TDI							
		Eng. AVB - AVF - AWX							
2003	4	Golf 1.9 TDI							
		Eng. BKC							
2003	4	Transporter 1.9 TDI							
2003		Multivan 1.9 TDI							
		Eng. AXC-AXB							
		1896 cc.							
1999	3	Lupo 1.4 TDI	79.5	045 109 101C	CM05-2124	336	52.8X61.6		
		Polo 1.4 TDI							
		Eng. AMF-BAY							
		1422 cc.							
2004	4	Golf 1.9 TDI	81	038 109 101AH	CM05-2127	426	52.8X61.70	42.8X61.70	
		Eng. BLR-BRS-BSU							
		1896 cc.							
2005	4	Golf V 2.0 TDI	81	03G 109 101A	CM05-2179	426.5	47.5X51.8	47.5X52.1	IN
		Touran 2.0TDI		03G 109 102B	CM05-2180	426	48.35X52.9	48.35X53.1	EX
		Jetta 2.0 TDI							
		Passat 2.0 TDI							
		Tiguan 2.0 TDI							
		Eng. AZV-BKD-BMA-BMV							
		Eng. BKP-CBAA-CBDA							
		1968 cc.							
2003	5	Touareg 2.5 TDI R5 10V	79.5	070 109 101P	CM05-2125	500	52.8X61.6		
		Eng. BAC-BLK							
		2460 cc.							

**ALBERI A CAMME
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type	 ←-Ø-→	N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Length mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
2005 2006	4	Touran 2.0 TDI Jetta III 2.0 TDI Golf V 2.0 TDI Eng. BMN-BMR-BVZ 1968 cc.	81	03G 109 101A 03G 109 102F	CM05-2179 CM05-2181	426.5 425.7	47.5X51.8 48.4X45.2	47.5X52.1 48.4X53.1	IN EX
	5	Transporter 2.5 TDI Multivan 2.5 TDI Tuareg 2.5 TDI Eng. BNZ-BPC-BPD-BPE 2461 cc.	81	070 109 101Q	CM05-2161	500	52.8X61.6		

freccia

PARTI MOTORE

ENGINE PARTS

PIECES DE MOTEURS



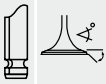
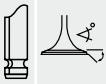
MOTORENTEILE

COMPONENTES DEL MOTOR

ЧАСТИ ДВИГАТЕЛЯ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		

ACME

		Motore ADN 37		960/022	IN/D	MI5106/NCR	30.5	9	105	E	45°
		Motore ADN45		960/023	EX	MI5107/R	30.5	9	105	E	45°
		Motore A180 - A220		960/125	IN	MI5145/S	29.5	7	82	D	45°
		Motore AT 220		960/126	EX	MI5146/R	25.5	7	82	D	45°
		Motore AT 330 - ALN		960/027	IN	MI5147/S	31	7	94	H	45°
				960/127	EX	MI5148/R	27	7	94	H	45°
		Motore ADX 300		960/118	IN	MI5149/S	32	7	87.5	E	45°
				960/119	EX	MI5150/R	27	7	87.5	E	45°

ALFA ROMEO

2008	4	MiTo 1.4 ie 16V Eng. 955A9.000 Eng. 350A1.000 Eng. 955A1.000 Eng. 199A6.000 Eng. 955A6.000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55185080	EX	R6507/RCR					
2008 2010	4	MiTo 1.4 ie Turbo16V Giulietta 1.4 ie Turbo 16V Eng. 199A8.000 Eng. 955A2.000 Eng. 955A.7000 Eng. 955A8.000 Eng. 940A2.000 Eng. 940B1.000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55206233	EX	R6589/BMARCR					
2011 NEW	4	MiTo 1.4 ie Turbo16V Giulietta 1.4 ie Turbo 16V Eng. 198A4.000 GPL 1368 cc.	72	55225886	IN	R6758/SARCR	26.8	6	95.2	I	30°
				55225887	EX	R6757/BMARNT					
1962/83	4	Alfetta 1.6 - Giulia 1.6 Giulietta 1.6 - GTV 1.6 1570 cc. Giulietta 1.3 1351 cc. 1750 Berlina 1750 cc. 1750 GT - 2000 Spider 90 1.8 Super Alfetta 1.8 - GTV 1.8 Giulietta 1.8 1779 cc.	78	101100330003	IN	R1442/S	41	9	107	EE	30°
			80	105000330103	EX	R1443/R					

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
73500256	G11069 G11070 G11071	IN/EX	39.7	6.02	10.03	G	C.I.
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	GS11069 G11514*	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	GS11069 G11514*	IN/EX IN/EX	39.7 39.7	6.02 6.02	10.03 10.03	SM B	C.I. C.I.
60743761	G2014 G2015	IN	51	9	14.05 14.10	B	C.I.
60709284	G2018 G2019	EX	54	9	14.05 14.10	B	L
	G3106 G3107	IN/EX	49	9	14.05 14.10	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
55193839	PI 06-0033	I
55193839	PI 06-0033	I


NOTE
remarks

ACME
ALFA ROMEO
***G11514**
VERSIONE BRONZO

***G11514**
VERSIONE BRONZO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1974/77	4	Alfasud L - N Arna 1.2 1186 cc. Alfa 33 1.3 Alfasud 1350 Alfasud Sprint 1.3 1350 cc. Alfasud 1.5 - Sprint 1.5 1490 cc.	80	102894	IN	R3361/SCR	39	8	92	I	45°	
				102896	EX	R3362/RCR	33	8	93	I	45°	
1983/84	4	Alfa 33 1.3 - 1.3 S Alfasud Sprint 1.3 Eng. AR301.68 1350 cc.	80	129661	IN	R4242/SCR	39	8	97	I	45°	
				125195	IN	R3972/SCR	38	8	98	I	45°	
				125196	EX	R3973/RCR	33	8	97.5	I	45°	
1988	4	Alfa 33 1.3 Alfasud Sprint 1.3 Eng. AR305.68 1350 cc.	80	134309	IN	R4446/SCR	38	8	93	I	45°	
				60503993	EX	R4447/RCR	33	8	93.5	I	45°	
1988	4	Alfa 33 Nuova 1.2 Eng. AR307.43 1186 cc. Alfa 33 Nuova 1.3 Eng. AR307.32/53/55 1351 cc. Alfa 33 Nuova 1.5 Eng. AR307.34/38 1490 cc. Alfa 33 Nuova 1.7 ie Eng. AR307.36/37/40 1717 cc.	80	60540326	IN	R4450/SCR	39.8	8	92	I	45°	
				60540325	EX	R4451/RCR	33.1	8	92.1	I	45°	
			84									
1995	4	Alfa 145/146 1.3 ie Eng. AR335.01 1351 cc.	80	60540326	IN	R4450/SCR	39.8	8	92	I	45°	
				60540325	EX	R4451/RCR	33.1	8	92.1	I	45°	
1990/97	V6	Alfa 164 2.0 ie V6 Turbo Eng. AR641.01/02	80	60513702	IN	R4612/BM	36.5	9	107.3	I	45°	
1998	V6	Alfa 166 2.0 ie V6 Turbo Eng. AR341.02 12V 1997 cc.		60625603	IN	R4613/BMARCR	32.6	9	95	I	45°	
				60513703	EX							
2013 NEW	2	Mito 0.9 Turbo Eng. 312A2.000 Eng. 199B6.000 875 cc.	80.5	55229666	IN	R6789/SCR	30.14	5	95.5	I	45°	
				55231897	EX	R6790/BMCR	25.3	5	95.3	I	45°	
1996	4	Alfa 145 1.4 ie 16V TS Alfa 146 1.4 ie 16V TS Eng. AR335.03 1370 cc.	82	7735898	IN	R4738/SCR	30	7	113	I	45°	
				60812982	EX	R4739/BMCR	26	7	108.5	I	45°	
				60812981								
				7735899								
2001	4	Alfa 1471.6 ie TS Eng. AR372.03 1598 cc.	82									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
700001	G2022	IN	40.5	8.02	13.07	G	C.I.
	G2023				13.12		
700002	G2026	EX	44	8.02	13.07	G	L
	G2027				13.12		
700001	G2022	IN	40.5	8.02	13.07	G	C.I.
	G2023				13.12		
700002	G2026	EX	44	8.02	13.07	G	L
	G2027				13.12		
60750222	G3317	IN/EX	40.5	8.02	13.07	G	C.I.
	G3318				13.12		
60750222	G3317	IN/EX	40.5	8.02	13.07	G	C.I.
	G3318				13.12		
60810438	G11009	IN	48.5	9	14.05	B	C.I.
	G11010				14.10		
60810435	G11011	EX	42	9	14.06	G	C.I.
	G11012				14.11		
6081186	G3531	IN	42	7.02	13.03	G	C.I.
6081187	G11007				13.08		
6081189	G3532	EX	46	7.02	13.03	G	C.I.
6081190	G11008				13.08		
	GS3531	IN	42	7.02	13.03	SM	C.I.
	GS3532	EX	46	7.02	13.03	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60513941		
60623146	PI 06-0001	I
90509386		
60513941		
60623146	PI 06-0001	I
60513941		
60623146	PI 06-0001	I
60513941		
60623146	PI 06-0001	I
60513941		
60623146	PI 06-0001	I
60513941		
60623146	PI 06-0001	I
1669765		
60812654	PI 06-0004	I
46465330		
46413078		


 NOTE
remarks

ALFA ROMEO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Alfa 145 1.6 ie 16V TS Alfa 146 1.6 ie 16V TS Eng. AR321.01/02 Eng. AR676.01	82	7766564 60811153 60811154 60674496	IN EX EX	R4728/SCR R4729/RCR R4729/BMCR	33.5 28 28	7 7 7	113.1 108.6 108.6	I I I	45° 45° 45°
2001		Alfa 147 1.6 ie 16V TS Eng. AR321.04									
1996		Alfa 155 1.6 ie 16V TS Eng. AR676.01									
1997		Alfa 156 1.6 ie 16V TS Eng. AR321.02 Eng. AR676.01 1598 cc.									
1996	4	Alfa 145 1.8 ie 16V TS Alfa 146 ie 1.8 16V TS Eng. AR322.01 Eng. AR671.06/99	82	7766564 60811153 60811154 60674496	IN EX EX	R4728/SCR R4729/RCR R4729/BMCR	33.5 28 28	7 7 7	113.1 108.6 108.6	I I I	45° 45° 45°
11/96		Alfa 155 1.8 16V TS Eng. AR671.06									
1997		Alfa 156 1.8 16V TS									
1994		GTV 1.8 ie 16V TS									
1998		Spider 1.8 ie 16V TS Eng. AR322.01									
2003		GT 1.8 ie 16V TS Eng. AR322.05 1747 cc.									
2005	4	Alfa 159 1.8 16V Eng. 939A.4000 1796 cc.	82	55557741 71744388	IN EX	R6504/SCR R6505/BMCR	31 27.5	5 5	114 113.2	I I	45° 45°
1996	4	Alfa 145 2.0 ie 16V TS Alfa 146 2.0 ie 16V TS Eng. 323.01 Eng. AR672.04/99	83	7766564 60811153 60811154 60674496	IN EX EX	R4728/SCR R4729/RCR R4729/BMCR	33.5 28 28	7 7 7	113.1 108.6 108.6	I I I	45° 45° 45°
1995		Alfa 155 2.0 ie 16V TS Eng. AR672.04/99									
1997		Alfa 155 2.0 ie 16V TS Eng. AR323.01/03									
1997		GTV 2.0 ie 16V TS Spider 2.0 ie 16V TS Eng. AR323.01 Eng. AR162.01 1969 cc.									
1998		Alfa 166 2.0 ie 16V TS Eng. AR341.03 Eng. AR363.01									
2003	4	GT 2000 JTS 16V Eng. 937A1.000 Eng. AR322.05 1970 cc									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6081186 6081187 6081189 6081190	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
6081186 6081187 6081189 6081190	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
71739771	G11479 G11480 GS11479	IN/EX IN/EX	37 37	5 5	10.05 10.06 10.05	G SM	C.I. C.I.
6081186 46811575 46811582 6081190	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	GS3531 GS3532	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.





**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60812654 46465330 46413078	PI 06-0004	I
60812654 46465330 46413078	PI 06-0004	I
60812654 46465330 46413078 46787055	PI 06-0004	I


**NOTE
remarks**
ALFA ROMEO





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	Alfa 155 1.8 ie TS Eng. AR671.05 1749 cc.	83.4								
1992	4	Alfa 155 1.8 ie TS Eng. AR671.02 1773 cc.	84								
1987		Alfa 75 2.0 TS 8V Eng. AR061.66 Eng. AR062.24 1962 cc.									
1987/92	4	Alfa 164 2.0 TS 8V Eng. AR064.20 1962 cc.									
1993	4	Alfa 164 2. ie TS 8V Eng. AR641.03 1995 cc.									
1992	4	Alfa 155 2.0 ie TS Eng. AR672.02 1995 cc.									
1971/85	4	2000 GT - 2000 Spider Alfetta 2.0 GTV Giulietta 2.0 Spider 2.0 Eng. AR005.12 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX	R3325/S R3326/R	44 40	9 9	105 105	EE EE	30° 30°
1980	4	GTV 2.0 Eng. AR105.12 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX	R3325/S R3326/R	44 40	9 9	105 105	EE EE	30° 30°
1988/90	4	Alfa 33 1.5 Eng. AR305.08 Sprint 1.5 QV Eng. AR301.46 1490 cc.	84	60524033 127601 125196 60504784	IN EX	R3974/SCR R3973/RCR	40 33	8 8	98 97.5	I I	45° 45°
1988	4	Alfa 33 1.5 - 1.5 ti Alfa 33 1.5 4x4 1490 cc.	84	133471 60503993	IN EX	R4448/SCR R4447/RCR	40 33	8 8	94 93.5	I I	45° 45°
1988	4	Alfa 164 2.0 ie Turbo Eng. M619DT.200 1995 cc.	84	7031135 5953041	IN EX	R4174/RCR R4175/RCR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1992/93	4	Alfa 155 2.0 i Turbo Eng. AR672.03 1995 cc.	84	7722907 7650916 60805836	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	Alfa 145 1.6 ie 8V Alfa 146 1.6 ie 8V Eng. AR332.01 1596 cc	84	60540326 60540325	IN EX	R4450/SCR R4451/RCR	39.8	8	92	I	45°
							33.1	8	92.1	I	45°
1988/90	4	Alfa 33 1.7 Eng. AR305.50	87	60515042 131929000000 131930000000 60515041	IN EX	R4334/SCR R4335/RCR	39.8	8	92.9	I	45°
	4	Alfa 33 1.7 ie Eng. AR305.58 1717 cc.					33.1	8	93	I	45°
1988/93	4	Alfa 33 1.7 ie Eng. AR307.36/.37/.40 1717 cc.	84	60540326 60540325	IN EX	R4450/SCR R4451/RCR	39.8 33.1	8 8	92 92.1	I I	45° 45°
2005	V6	159 3.2 JTS V6 24V	85.6	71741112 71741113	IN EX	R6383/SCR R6384/RCR	35	6	101.4	S	45°
2006	V6	Brera 3.2 JTS V6 24V					30.6	6	97.2	S	45°
2006	V6	Spider 3.2 JTS V6 24V Eng. 939A000 3195 cc.									
2005	4	159 1.9 JTS 16V Eng. 939A6000 1858 cc.	86	55192156 71739686	IN EX	R6385/SCR R6386/BMCR	35 30	6 6	102.2 100.1	I I	45° 45°
2005	4	159 2.2 JTS 16V	86	55192156 71739686	IN EX	R6385/SCR R6386/BMCR	35	6	102.2	I	45°
2006		Brera 2.2 JTS 16V					30	6	100.1	I	45°
2006		Spider 2.2 JTS 16V Eng. 939A5000 2198 cc.									
1989	4	Alfa 33 1.7 ie 16V Eng. AR307.46/.47 1712 cc.	87								
1995		Alfa 145 1.7 ie 16V									
1995		Alfa 146 1.7 ie 16V Eng. AR334.01 1712 cc.									
1984	V6 V6	Alfa 75 2.5 ie V6 Alfa 90 2.5 ie V6 Eng. AR019.11 Eng. AR016.46	88	119280330001 60523548 119280330101 60523550	IN EX	R3961/RCR R3962/RCR	41	9	107.5	EE	45°
1984	V6	GTV 2.5 V6 Eng. AR019.28 2492 cc.					36.5	9	94.5	EE	45°
1984	V6	Alfa 6 2.5 ie V6 Eng. AR019.28	88	119280330001 60523548	IN	R3961/RCR	41	9	107.5	EE	45°
1992	V6	Alfa 155 ie 2.5 V6 Eng. 673.01/02 2492 cc.	88	119280330101 60523550	EX	R3962/RCR	36.5	9	94.5	EE	45°
1997	V6	Alfa 156 2.5i V6 24V Alfa 166 2.5i V6 24V Eng. AR32401-AR34201 2492 cc.	88	60582738 60582739	IN EX	R6081/RCR R6082/RARCR	33.5 29	7 7	102 102.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60750222	G3317 G3318	IN/EX	40.5	8.02	13.07 13.12	G	C.I.
700001	G2022 G2023	IN	40.5	8.02	13.07 13.12	G	C.I.
700002	G2026 G2027	EX	44	8.02	13.07 13.12	G	L
60750222	G3317 G3318	IN/EX	40.5	8.02	13.07 13.12	G	C.I.
71739350	G11379 G11380 GS11379	IN/EX IN/EX	36	6	10.04 10.09 10.04	G S M	L L
71739350	G11379 G11380 GS11379	IN/EX IN/EX	36	6	10.04 10.09 10.04	G S M	L L
60562594	G3130 G3131	IN	40.5	7	12.07 12.12	B	C.I.
60562595	G3134 G3135	EX	40.5	7	12.07 12.12	G	C.I.
119130150302	G2042 G2043	IN	49	9	14.05 14.10	B	C.I.
60737369	G3122 G3123	EX	42.5	9	14.07 14.12	G	C.I.
60605739	G11013 G11014	IN	48.5	9	14.06 14.11	G	C.I.
60737369	G3122 G3123	EX	42.5	9	14.07 14.12	G	C.I.
60612839	G11016 G11017	IN	38	7	12.06 12.11	G	C.I.
60612835	G11005 G11006	EX	43	7	12.07 12.11	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60513941 60623146 1669765 90509386	PI 06-0001	I
60507563 60810675 60664980	PI 06-0014	I
60507563 60810675 60664980	PI 06-0014	I


NOTE
remarks

ALFA ROMEO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1987	6	Alfa 164 3.0 12V QV Alfa 164 3.0 ie V6 12V Eng. M624AA30.A Alfa 75 3.0 V6 Eng. M624AB30.A 2959 cc.	93								
1993	V6	Alfa 164 3.0 ie V6 24V Eng. AR643.07	93	60560643	IN EX	R4610/BM R4611/BMARCR	35.7	7	102.1	I	45°
1998	V6	Alfa 166 3.0 ie V6 24V Eng. AR343.01 Eng. AR361.01		55186770 60560644			31.2	7	102.6		
1993	V6	Spider 3.0 ie V6 24V Eng. AR161.05									
1984	V6	GTV 3.0 ie V6 24V Eng. AR161.02/05 2959 cc.									
2002	V6	Alfa 147 3.2 ie V6 24V									
2002	V6	Alfa 156 3.2 ie V6 24V Eng. 932A.000									
2003	V6	Alfa 166 3.2 ie V6 24V									
2003	V6	GT 3.2 ie V6 24V Eng. 936A.000									
2003	V6	GTV 3.2 ie V6 24V									
2003	V6	Spider 3.2 ie V6 24V Eng. 936A.000 Eng. 936A6.000 3179 cc.									

ALFA ROMEO DIESEL

2008	4	MiTo 1.3 JTDM Eng. 199A3.000 Eng. 199B1.000 1248 cc.	69.6	55204574	IN	R6636/SCR	22.45	6	109.2	I	45°
				46518930	IN	R6304/SCR	21.9	6	109.2	I	45°
				46518931	EX	R6305/BMCR	21.9	6	109.2	I	45°
				55223836	EX	R6640/BMCR	22.5	6	109.2	I	45°
2008	4	MiTo 1.6 JTDM 16V Eng. 198A2000 Eng. 955A3.000 1598 cc.	79.5	55205125	IN	R6590/SCR	26.6	5	114.4	I	45°
				55207955	EX	R6388/BMCR	24.5	5	114.4	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
605005940	G3098 G3099	IN	49	9	14.07 14.12	G	C.I.
60810438	G11009 G11010	IN	48.5	9	14.05 14.10	B	C.I.
60737369	G3102 G3103	EX	42.5	9	14.07 14.12	G	C.I.
60810435	G11011 G11012	EX	42	9	14.06 14.11	G	C.I.
60612839	G11003 G11004	IN	38	7.01	12.06 12.11	B	C.I.
60612835	G11005 G11006	EX	43	7.01	12.07 12.12	G	C.I.
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7	5	10.03 10.06 10.03	G SM	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60507563 60810675 60664980	PI 06-0014	I
46475925 73501138	PI 06-0019 RA06-900	I
46475925 55186463	PI 06-0019 RA06-933	I






 NOTE
remarks

ALFA ROMEO

ALFA ROMEO DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1997	4	Alfa 156 1.9 JTD 8V Eng. AR323.02 Eng. AR371.09 Eng. 937A2000	82	46750859 55193126 46478834 46416321	IN EX	R4941/BMCR R4943/BMCR	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1998		Alfa 145 - 146 1.9 JTD Eng. AR323.02		46783962							
1999		Alfa 147 1.9 JTD Eng. 937A2000 Eng. 182B9000									
2005		Alfa 147 1.9 JTD Eng. 937A3000									
2005		159 1.9 JTD Eng. 939A1000 1910 cc.									
1997	5	Alfa 156 2.4 JTD 10V Eng. AR325.01 Eng. 839A6000	82	46750859 55193126 46478834	IN EX	R4941/BMCR R4943/BMCR	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1997		Alfa 166 2.4 JTD 10V Eng. AR342.02 Eng. 839A6000		46416321 46783962							
2002		Alfa 1562.4 JTD 10V Eng. 841C000 2387 cc.									
2002	4	Alfa147 1.9 JTDM 16V	82	55195535	IN	R6203/SCR	28	6	114.40	I	45°
2003		Alfa 155 1.9 JTDM 16V Eng. 192A5000 Eng. 937A4000		46802049 46787902	EX	R6204/BMCR	26	6	114.40	I	45°
2004		GT 1.9 JTDM 16V Alfa 147 1.9 JTDM 16V Eng. 937A5000									
2005		159 1.9 JTDM 16V Eng. 939A2000 1910 cc.									
07/2006	4	159 1.9 JTDM 16V Eng. 939A2000 1910 cc.	82	55206431 55205183	IN EX	R6387/SCR R6388/BMCR	28 24.5	5 5	114.4 114.4	I I	45° 45°
2003	5	Alfa 159 2.4 JTDM 20V Eng. 939A3000	82	55195535 46802049	IN EX	R6203/SCR R6204/BMCR	28 26	6 6	114.40 114.40	I I	45° 45°
2006		Alfa 166 2.4 JTM 20V Eng. 936B000 Brera 2.4 JTDM 20V Eng. 939A3000 2387 cc.		46787902							

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60813598 60813599	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
60813598 60813599	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
55186786	G11302 G11303 GS11302	IN/EX IN/EX	47 47	6.02 6.02	11.03 11.06 11.03	G SM	C.I. C.I.
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55186786	G11302 G11303 GS11302	IN/EX IN/EX	47 47	6.02 6.02	11.03 11.06 11.03	G SM	C.I. C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
46475925 46764765 55200333	PI 06-0019 RA06-903 RA06-901	I
46475925 55186463	PI 06-0019 RA06-933	I
46475925 55200333 55186463	PI 06-0019 RA06-901 RA06-933	I



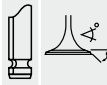
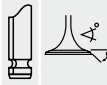

NOTE
 remarks

	RA06-903 55X17R17X10 RA06-901 57X17R17X10	
	RA06-901 57X17R17X10 RA06-933 L 53 mm	

ALFA ROMEO DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005 2006 2007	5	Alfa 159 2.4 JTDM 20V Brera 2.4 JTD 20V Spider 2.4 JTD 20V Eng. 939A3000 Eng. 939A9000	82	55190248 55190249	IN EX	R6601/SCR* R6602/BMCR*	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
2006		Alfa 166 2.4 JTD 20V Eng. 936B000 Up to eng. 5553217 2387 cc.									
07/2006	5	Alfa 159 2.4 JTDM Alfa 166 2.4 JTDM Brera 2.4 JTDM Spider 2.4 JTD 20V From eng. 5553218 Eng. 939A9000 2387 cc.	82	55206431 55205183	IN EX	R6387/SCR* R6388/BMCR*	28 24.5	5 5	114.4 114.4	I I	45° 45°
2009	4	Alfa 159 2.0 JTDM 16V Eng. 939B3000 1956 cc.	83	55206431 55207955	IN EX	R6387/SCR* R6388/BMCR*	28 24.5	5 5	114.4 114.4	I I	45° 45°
2010	4	Giulietta 2.0 JTDM 16V Eng. 940A8.000 Eng. 940A5.000 Eng. 940A4.000 1956 cc.	83	55206431 55207955	IN EX	R6387/SCR* R6388/BMCR*	28 24.5	5 5	114.4 114.4	I I	45° 45°
1996 1992/97	4	Alfa 145 - 146 1.9 TD Eng. AR336.01 Alfa 155 1.9 TD Eng. AR336.01 Eng. AR675.01 1929 cc.	82.6	60808694 7547158 60808695 7588577	IN EX	R4627/RCR R4626/RCR	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
4250803 4372160	G2265 G2266 GS2265	IN/EX IN/EX	46.5 46.5	8.03 8.03	14.06 14.11 14.06	G SM	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 55186463	PI 06-0019 RA06-933	I
46475925 55186463	PI 06-0019 RA06-933	I
46475925 55186463	PI 06-0019 RA06-933	I
46475925 55186463	PI 06-0019 RA06-933	I
4152447	PI 03-102	M


**NOTE
remarks**

***R6601/SCR**
Retainer s.e. 5.8 mm
***R6602/BMCR**
Retainer s.e. 6.5 mm

***R6387/SCR**
Retainer s.e. 4.9 mm
***R6388/BMCR**
Retainer s.e. 5.9 mm

***R6387/SCR**
Retainer s.e. 4.9 mm
***R6388/BMCR**
Retainer s.e. 5.9 mm

***R6387/SCR**
Retainer s.e. 4.9 mm
***R6388/BMCR**
Retainer s.e. 5.9 mm

ALFA ROMEO DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1983/93	4	Alfetta - Giulietta 2.0 TD Eng. VM HR488HT/2	88	116760330001	IN	R3598/RCR	40	8	121	E	35°
		Alfa 75 2.0 TD Eng. VM 80A		20360026	EX	R3599/RCR	34	8	121	E	45°
	5	Alfa 6 2.5 TD Eng. VMHR588HT/2	92	60507189							
	3	Alfa 33 TD Eng. VMRT392 TURBO		116760330101							
4	Alfa 75 - 90 2.4 TD Eng. VM492HT		20370025								
		Alfa 164 TD Eng. VMHR494.4 T		195590330100							
		Alfa 155 - 164 2.5 TD Eng. VM07B - 08B									
		2500 cc.									

AUDI

1974/77	4	50 LS - GLS - GL 1093 cc.	69.5	052 109 601	IN	R3477/S	31.5	8	104	EE	45°	
				052 109 611	EX	R3478/R	28	8	104	EE	45°	
2011 NEW	4	A1 1.2 TFSI A3 1.2 TFSI Eng. CBZA-CBZB 1197 cc.	71	03F 109 601A	IN	R6718/S	35.5	6	98.65	I	45°	
				03F 109 611B	EX	R6719/RCR	30	6	98.35	I	45°	
1972/81	4	80 L 1296 cc. 80 GL 1470 cc. 80 GT - 100 GL - L 1588 CC. 80 LS - S 1470 cc. 80 LS - GLS - S 100 GL - L 1588 cc.	75	056 109 601C	IN	R3536/S	34	8	98.5	EE	45°	
				056 109 601A	EX	R3537/R	31	8	98.5	EE	45°	
			76.5									
			79.5									
1981/84	4	80 C - CL - GL - CC 1296 cc. 80 CL Formel E 100 C - CL - GL Formel E 1588 cc.	75	049 109 601F	IN	R3728/S	34	8	98.5	I	45°	
				049 109 611F	EX	R3729/R	31	8	98.5	I	45°	

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
20380025A	G3126 G3127	IN/EX	55	8	14.07 14.12	G	L
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
030 109 423	PI 06-0008	I



NOTE
remarks

ALFA ROMEO DIESEL

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	A2 1.4 i 16V Eng. AUA-BBY 1390 cc.	76.5	036 109 601S 036 109 611K	IN EX	R6013/S R6014/BM	29.5	6	100.9	I	45°
							26	6	100.57	I	45°
2002	4	A2 1.6 FSI 16V Eng. BAD 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5	6	100.9	I	45°
							26	6	100.57	I	45°
2002	4	A3 1.6 FSI 16V Eng. BAG-BLF-BLP 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5	6	100.9	I	45°
							26	6	100.57	I	45°
1981/82	5	80 Coupè GT5S - CD5E 100 C5 - CL5 - GL5 100 Avant 1921 cc. 100 GL5S - CD5E 100 Avant - 200 5e 2144 cc.	79.5	035 109 601C 035 109 611F	IN EX	R4111/S R4202/RCR	38	8	98.5	I	45°
							33	8	98.5	I	45°
1983	5	100 2144 cc.	79.5	035 109 601G 026 109 611A	IN EX	R4115/S R4116/R	38	8	91	I	45°
	4	80 CLE 1781 cc.					81	33.1	8	91	I
1990	4	80 Eng. ABB 1595 cc.	81	048 109 601A 053 109 611	IN EX	R4643/SCR R4642/BMARCR	39.5	8	91.9	I	45°
							33.2	8	91.2	I	45°
9/2000	4	A3 1.6 i Eng. AVU-BGU-BSE Eng. BSF 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4	6	94	I	45°
							33	6	94	I	45°
2000	4	A4 1.6 i Eng. ALZ-BSE-BSF 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4	6	94	I	45°
							33	6	94	I	45°
1981/86	4	80 Coupè GL 1781 cc.	81	035 109 601C 049 109 611F	IN EX	R4111/S R3729/R	38	8	98.5	I	45°
							31	8	98.5	I	45°
1982/83	4	80 CL - GL - Formel E 80 CC - CD Coupè Eng. DR 1781 cc.	81	035 109 601C 035 109 611F	IN EX	R4111/S R4202/RCR	38	8	98.5	I	45°
							33	8	98.5	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
049 103 419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN	36.5	8	12.06 12.11	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059109521C 036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
059109521C 036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
059 109 521C 036 109 411C 036 109 411D 036 109 411 036 109 411E 036 109 411G 036 109 411H 036 109 411J	PI 06-0008 RA06-938 RA06-948	I I
034 109 309N	PI 06-0001	I
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I


 NOTE
remarks

AUDI

RA06-938
Only Eng. BAG

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1983/84	4	80 GTE - GTE Quattro 1781 cc.	81	026 109 601 035 109 611F	IN EX	R4201/XBCR R4202/RCR	40	8	98.5	I	45°
							33	8	98.5	I	45°
1985/86	4	80 GTE Quattro 100 AVANT - Quattro Eng. DX 1781 cc.	81	026 109 601C 026 109 611A	IN EX	R4521/R R4116/R	40	8	91	I	45°
							33.1	8	91	I	45°
1986/87	4	80 - 90 80 - 90 Quattro 1781 cc.	81	026 109 601C 053 109 611	IN EX	R4521/R R4642/BMARCR	40	8	91	I	45°
							33.2	8	91.2	I	45°
1983/91	4	80 CC - CD Quattro Eng. DTA 1595 cc. 80 CC - CD - Quattro 100 CC - CD Avant 100 Quattro Avant Eng. DZ 1781 cc.	81	035 109 601G 048 109 611A 026 109 611A	IN EX EX	R4115/S R4642/BMARCR R4116/R	38	8	91	I	45°
							33.2	8	91.2	I	45°
	5	90 100 CC - CD - Avant Eng. KZ 1994 cc. 90 2.2E 90 Quattro Coupè 200 Eng. KV 2226 cc.					33.1	8	91	I	45°
1987/88	5	80 - 90 -100 90 Quattro - 100 Avant 1994 cc.	81	026 109 601C 053 109 611	IN EX	R4521/R R4642/BMARCR	40	8	91	I	45°
							33.2	8	91.2	I	45°
1988/91	5	80 - 90 Quattro 20V Eng. NM 1994 cc.	81	027 109 601C 027 109 611B	IN EX	R4294/R R4295/BMARCR	32	7	95.5	EE	45°
							28	7	98.2	EE	45°
1991/94		S4 2.0 Turbo 20V									
1994/97		S6 2.2 i Turbo 20V Eng. AAN 20V 2226 cc.									
1983/86	5	90 E - Coupè GT 100 Avant Eng. KP 1994 cc. 200 Eng. WC 2144 cc.	81	035 109 601C 035 109 611F	IN EX	R4111/S R4202/BMARCR	38	8	98.5	I	45°
							33	8	98.5	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G2666				12.16		
	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
027 10 3419	G3504	IN/EX	38	7	12.07	B	C.I.-F
	G3505				12.12		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


 NOTE
remarks

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/88	4	80 S 1595 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro	81	035 109 601J 035 109 601K 053 109 611	IN EX	R4641/SCR R4642/BMARCR	38 33.2	8 8	91.9 91.2	 	45° 45°
1987/88	5	1781 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro 2226 cc.									
1994	4	A3 1.6 i Eng. AEK-AKL-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	 	45° 45°
1994	4	A4 1.6 i Eng. ADP - AHL - ARM 1595 cc.	81	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	 	45° 45°
1996	4	A3 1.8 i 20V Eng. AGN-AGP	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
			1780 cc.								
1996	4	A3 1.8 i Turbo 20V Eng. AGU-AQA 1780 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1998	4	A3 1.8 i Turbo 20V Eng. AJQ-APP-ARY-AUQ 1780 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1999	4	A3 1.8 Turbo 20V Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1994	4	A3 1.8 i 20V Eng. AFY-ADR-APT 1780 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1994	4	A4 1.8 i Turbo 20V Eng. AEB-AJL-AWT Eng. AVJ-AMB-BFB-BEX 1780 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1998	4	S3 1.8 i Turbo 20V Eng. AMK-APX-APY-BAM 1780 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1998	4	TT 1.8 i Turbo 20V Eng. BAM-AJQ-APP-APX Eng. ARY-AUQ 1780 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
2002	4	TT 1.8 i Turbo 20V Eng. AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°
1997	V6	A4 2.4 i V6 30V Eng. AGA-AJG-ALF Eng. APS-APZ 2393 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.1 103.9	 	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
037 103 419B	G3593	IN/EX	36.5	7	12.07	B	C.I.-F
	G3595				12.12		
037 103 419B	G3593	IN/EX	36.5	7	12.07	B	C.I.-F
	G3595				12.12		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


**NOTE
remarks**
***R4853/BMARCR**
Retainer stem
end 3.40 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm

***R4853/BMARCR**
Retainer stem
end 3.40 mm

***R4853/BMARCR**
Retainer stem
end 3.40 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm



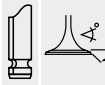
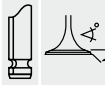
***R4853/BMARCR**
Retainer stem
end 3.40 mm

***R4853/BMARCR**
Retainer stem
end 3.40 mm

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	V6	S4 2.7 i V6 Turbo 30V Eng. AGB 2671 cc.	81	058 109 601C	IN	R4852/SARCR	26.9	6	105.1	I	45°
				058 109 611M	EX	R4853/BMARCR*	29.8	6	103.9	I	45°
2004	V6	A6 2.4 V6 Eng. BDW 2393 cc.	81	06E 109 601H	IN	R6581/SCR	32.3	6	104	I	45°
				06D 109 611L	EX	R6207/BMCR	28	6	102	I	45°
200/05	V6	Allroad 2.7 i Turbo 24V Eng. ARE 2671 cc.	81	058 109 601C	IN	R4852/SARCR	26.9	6	105.1	I	45°
				058 109 611E	EX	R6189/BMARCR*	29.8	6	103.9	I	45°
1988/94	V8	V8 3.6 i 32V Eng. PT 3562 cc.	81	027 109 601C	IN	R4294/R	32	7	95.5	EE	45°
				027 109 611B	EX	R4295/BMARCR	28	7	98.2	EE	45°
1991/94	V8	V8 4.2 i 32V									
1992/94	V8	S4 4.2 i V8 32V Eng. ABH 4172 cc.									
2008	4	TT 1.8 TFSI A3 1.8 TFSI Eng. CDA A 1798 cc.	82.5	06D 109 601M	IN	R6580/SCR	34	6	104	I	45°
				06D 109 611L	EX	R6207/BMCR	28	6	102	I	45°
1994/97	4	A6 2.0 i Eng. AAE 1984 cc.	82.5	048 109 601A	IN	R4643/SCR	39.5	8	91.9	I	45°
				053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°
2002	4	A4 2.0 FSI 16V Eng. AWA	82.5	06D 109 601K	IN	R6206/S	34	6	104	I	45°
				06E 109 601E							
2003	4	A3 2.0 FSI 16V Eng. AXW-BMB-BLX Eng. BLY-BLR 1984 cc.	82.5	06D 109 611L	EX	R6207/BMCR	28	6	102	I	45°
2006	4	A4 2.0 FSI 16V Eng. BYK 1984 cc.	82.5	06D 109 601K	IN	R6206/S	34	6	104	I	45°
				06E 109 601E							
	4	A3 2.0 TSFI 16V A4 2.0 TSFI 16V A5 2.0 TSFI 16V Eng. CAWB-CAEA Eng. CDNB-CAZA Eng. CAZB 1984 cc.	82.5	06D 109 601M	IN	R6580/SCR	34	6	104	I	45°
				06D 109 611H	EX	R6207/BMCR	28	6	102	I	45°
1993/94	4	80 - 100 Avant A6 2.0 i 16V Eng. ACE 16V 1998 cc.	82.5	051 109 601B	IN	R4808/S	32	7	95.8	I	45°
				051 109 611B	EX	R4809/R	27	7	98	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
027 10 3419	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
051 103 419	G3561 G3592 G11253* G11254*	IN/EX IN/EX	35 35	7 7	12.07 12.12 12.07 12.12	B B	C.I.-F C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	PI 06-0019 RA06-945	I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	PI 06-0019 RA06-945	I
034 109 309N	PI 06-0001	I
022 109 423A 06E 109 417A	PI 06-0019 RA06-944	I
022 109 423A 06E 109 417 06E 109 417E 06J 109 417 06E 109 409A	PI 06-0019 RA06-945 RA06-951*	I
034 109 309N	PI 06-0001	I


**NOTE
remarks**
***R4853/BMARCR**
Retainer stem
end 3.40 mm

***R6189/BMARCR**
Retainer stem
end 5.00 mm





RA06-951*
Eng. CDNB

G11253*
VERSIONE LISCIA

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/88	4	80 1.8 80 Quattro 1.8 Eng. SD 80 1.9E - 1.9E Quattro 1847 cc.	82.5	026 109 601C 053 109 611 026 109 611A	IN	R4521/R	40	8	91	I	45°
	5	90 2.3E - 2.3E Quattro 100 - 100 Avant Quattro 2309 cc.			EX	R4642/BMARCR R4116/R	33.2	8	91.2	I	45°
1988/91	4	80 Quattro Eng. 6A 16V 1984 cc.	82.5	027 109 601C 027 109 611B	IN	R4294/R	32	7	95.5	EE	45°
	5	90 2.3 20V 90 2.3 Quattro 20V Eng. 7A 2308 cc.			EX	R4295/BMARCR	28	7	98.2	EE	45°
1990	5	100 2.3E Avant	82.5	069 109 601F 053 109 611	IN	R4483/SCR	36	8	95	I	45°
1994/96	5	A6 2.3 i Eng. AAR 2308 cc.			EX	R4642/BMARCR	33.2	8	91.2	I	45°
1990/94	4	80 2.0E - Quattro Eng. ABK - ABT 100 2.0E - Avant Eng. AAE 100 2.3E - Avant Eng. AAD	82.5	048 109 601A 053 109 611	IN	R4643/SCR	39.5	8	91.9	I	45°
	1994	4			A6 2.0 i Eng. ABK 1984 cc.	EX	R4642/BMARCR	33.2	8	91.2	I
1994	V6	100 2.8E-Avant Quattro Eng. AAH 2771 cc.	82.5	048 109 601A 053 109 611	IN	R4643/SCR	39.5	8	91.9	I	45°
		A4 2.6E-A6 Avant 2.6E Eng. ABC 2598 cc. A4 2.8E -A6 Avant 2.8E Eng. AAH 2770 cc.			EX	R4642/BMARCR	33.2	8	91.2	I	45°
1994	V6	A6 2.6E - Avant A6 2.6E - Quattro Eng. ABC 2598 cc. A6 2.8 i E A6 2.8 i E - Quattro A8 2.8 Eng. AAH 2771 cc.	82.5	078 109 601B 078 109 611C	IN	R4806/S	39.5	7	91.9	I	45°
					EX	R4807/R	32.9	7	91.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665	IN	36.5	8	12.06 12.11	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
027 10 3419	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


NOTE
remarks

AUDI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	V6	A4 2.8 i V6 30V Eng. ACK-ALG-AHA Eng. APR-AQD 2771 cc.	82.5	058 109 601C	IN	R4852/SARCR	26.9	6	105.1		45°
				058 109 611E	EX	R6189/BMARCR*	29.8	6	103.9		45°
2004/06	V6	A6 3.0 i V6 30V Eng. ASN-BBJ 2976 cc.	82.5	058 109 601C	IN	R4852/SARCR	26.9	6	105.1		45°
				058 109 611M	EX	R4853/BMARCR*	29.8	6	103.9		45°
2003 NEW	V6	TT 3.2i V6 24V Eng. BHE-BUB 3189 cc.	84	022 109 601H	IN	R6702/SARCR	33.2	6	136.3		45°
				022 109 601G	EX	R6703/SARCR	33.2	6	102.4		45°
				022 109 611P		R6704/BMARCR	30.2	6	136.1		45°
				022 109 611N		R6705/BMARCR	30.2	6	102.2		45°
1994	V8	A8 4.2 Eng. ABZ 32V 4112 cc.	84.5	051 109 601B	IN	R4808/S	32	7	95.8		45°
				051 109 611B	EX	R4809/R	27	7	98		45°
2006 NEW	V6	Q7 3.6 FSI 24V Eng. BHK 3597 cc.	89	022 109 601H	IN	R6702/SARCR	33.2	6	136.3		45°
				022 109 601G	EX	R6703/SARCR	33.2	6	102.4		45°
				022 109 611P		R6704/BMARCR	30.2	6	136.1		45°
				022 109 611N		R6705/BMARCR	30.2	6	102.2		45°

AUDI DIESEL

1980/81	4	80 D - LD - GLD 80 C - CL - GL 1588 cc.	76.5	068 109 601C	IN	R3646/S	34	8	104.8		45°
				068 109 611C	EX	R3647/R	31	8	104.5		45°
1987	4	80 CC - CD 1588 cc.	76.5	068 109 601N	IN	R4296/R	34	8	95		45°
				068 109 611L	EX	R4484/RCR	31.2	8	95.5		45°
1982	4	80 CL - CD Turbo 1588 cc.	76.5	068 109 601D	IN	R4199/BMCR	34	8	104.8		45°
				068 109 611D	EX	R4200/BMCR	31	8	104.7		45°
1985/88	4	80 CC - CD Turbo 80 Quattro Turbo 90 Turbo	76.5	068 109 601M	IN	R4296/R	34	8	95		45°
				068 109 611M	EX	R4297/R	31.2	8	95.5		45°
1981	5	100 C - CL - GL - CD 100 Avant 1986 cc.	76.5	069 109 601C	IN	R3662/S	36	8	105		45°
				068 109 611C	EX	R3647/R	31	8	104.5		45°
1982/85	5	100 Avant CC - CD - CS 100 Avant TD 1986 cc.	76.5	069 109 601C	IN	R3662/S	36	8	105		45°
				068 109 611D	EX	R4200/BMCR	31	8	104.7		45°
1985/88	5	100 CC 100 CC - CD Turbo 100 Avant Turbo	76.5	069 109 601F	IN	R4483/SCR	36	8	95		45°
				069 109 601G	IN	R4899/BMARCR	36	8	95		45°
				069 109 601H	EX	R4484/RCR	31.2	8	95.5		45°
				068 109 611L							
2001	3	A2 1.2 TDI Eng. ANY 1191 cc.	76.5	045 109 601	IN	R6389/S	36	7	89.6		45°
				045 109 611	EX	R6390/R	31.5	7	89.6		45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B B	C.I.
	G11556 G11557 G11558 G11558	IN EX	44 65	6	10.06 10.11 10.06 10.11	B B	
058 103 415	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
	G11556 G11557 G11558 G11558	IN EX	44 65	6	10.06 10.11 10.06 10.11	B B	
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
038 109 309A	PI 06-0032	I


NOTE
remarks

***R6189/BMARCR**
Retainer stem
end 5.00 mm

***R4853/BMARCR**
Retainer stem
end 3.40 mm

AUDI
AUDI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	V6	A4 2.5 V6 TDI 24V	78.3	059 109 601B	IN EX	R6085/SCR* R6086/BMARCR*	27	6	100.5		45°
	V6	A6 2.5 V6 TDI 24V Eng. AFB-AKN-AKE 2496 cc.		059 109 601C 059 109 611B 059 109 611C			24	6	100.5		45°
1997/02	V6	A8 2.5 V6 TDI 24V Eng. AFB-AKN-AKE 2496 cc.	78.3	059 109 601B	IN EX	R6085/SCR* R6086/BMARCR*	27	6	100.5		45°
				059 109 601C 059 109 611B 059 109 611C			24	6	100.5		45°
2000	V6	Allroad 2.5 V6 TDI 24V Eng. AKE 2496 cc.	78.3	059 109 601B	IN EX	R6085/SCR* R6086/BMARCR*	27	6	100.5		45°
				059 109 601C 059 109 611B 059 109 611C			24	6	100.5		45°
2003	V6	A4 2.5 TDI V6 24V A6 2.5 TDI V6 24V Eng. BFC-BCZ-BAU 2496 cc.	78.3	059 109 601F	IN EX	R6453/SCR* R6454/BMARCR*	27.2	6	100.6		45°
				059 109 611G			24.1	6	100.7		45°
1999	4	A2 1.4 TDI Eng. AMF 1422 cc.	79.5	038 109 601B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
				038 109 611B			31.5	7	90		45°
5/2010 NEW	4	A1 1.6 TDI Eng. CAYC-CAYB 1598 cc.	79.5	03L109601A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
				03L109611A			24.45	6	99.10		45°
2009 NEW	4	A3 1.6 TDI Eng. CAYA-CAYB 1598 cc.	79.5	03L109601A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
				03L109611A			24.45	6	99.10		45°
1989/91	4	80 Eng. 1Y 80 TD Eng. AAZ 1896 cc.	79.5	069 109 601F	IN IN EX EX	R4483/SCR R4899/BMARCR R4640/BMARCR R4640/RCR	36	8	95		45°
				069 109 601H			36	8	95		45°
				074 109 611			31.2	8	95.5		45°
							31.2	8	95.5		45°
	5	100 Eng. 3D 1896 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521C 059 109 444W TRUST PAD	PI 06-0008 RA06-906 RA06-926	I
059 109 521C 059 109 444W TRUST PAD	PI 06-0008 RA06-906 RA06-926	I
059 109 444W TRUST PAD	RA06-906 RA06-926	
	PI 06-0040* RA06-946*	
038 109 309A	PI 06-0032	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
059 109 521G 059 109 521 H 03L 109 521 03L109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
034 109 309N	PI 06-0001	I


NOTE
remarks

PI 06-0008
ONLY ENG. AFB-AKN
***R6085/SCR**
***R6086/BMARCR**
Retainer stem end
2.5 mm

PI 06-0008
ONLY ENG. AFB-AKN
***R6085/SCR**
***R6086/BMARCR**
Retainer stem end
2.5 mm





***R6085/SCR**
***R6086/BMARCR**
Retainer stem end
2.5 mm

***R6453/SCR**
***R6454/BMARCR**
Retainer stem end
8.3 mm
PI 06-0040
RA06-946
No ENG. BFC

AUDI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991	4	80 TD Eng. 1Z 1896 cc.	79.5	028 109 601A 046 109 611C/E	IN EX	R4615/BMARCR R4616/BMARCR	36	8	96.9		45°
							31.5	8	96.9		45°
1994/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant Eng. 1Z 90 CV 1896 cc.	79.5	028 109 601H 046 109 611F	IN EX	R4776/BMCR R4777/BMCR	36	8	96.9		45°
							31.4	8	96.9		45°
1993	5	100 Avant Eng. AAS 2370 cc.	79.5	069 109 601F 074 109 611	IN EX	R4483/SCR R4640/BMARCR	36	8	95		45°
							31.2	8	95.5		45°
1996/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant Eng. AFN - AHU - AHH Eng. AGR - ALH - AHF 1896 cc. 90 - 110 CV	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	R6087/S R4888/BM R4889/BM	35.9	7	96.8		45°
							35.9	7	96.8		45°
							31.5	7	96.85		45°
2000/01	4	A3 1.9 TDI Eng. ASV 1896 cc.	79.5	028 109 601D 028 1096 11G	IN EX	R6087/S R4889/BM	35.9	7	96.8		45°
							31.5	7	96.85		45°
2000	4	A3 1.9 TDI Eng. ATD-AVB 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2003	4	A3 1.9 TDI Eng. BKC 1896 cc.	79.5	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.9	7	89.4		45°
							31.5	7	89		45°
2000 2001	4	A4 1.9 TDI Eng. ATJ-AJM-AVF-AWZ A6 1.9 TDI Eng. AVF-AWX 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2003/04	4	A3 2.0 TDI 16V Eng. AZV-BKD Until chassis n. 8P-4140-000 1968 cc.	81	03G 109 601A 03G 109 611B	IN EX	R6353/S R6354/BM	29.2	6	88.45		45°
							25.5	6	88.2		45°
2004	4	A4 2.0 TDI Eng. BPW 1968	81	038 109 601F 038 109 611G	IN EX	R6528/S R6529/R	35.5	7	89		45°
							31.4	7	88.40		45°
2004	4	A3 2.0 TDI 16V Eng. AZV-BKD From chassis n. 8P-4140-000 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8		45°
							25.4	6	87.5		45°
2004	4	A4 2.0 TDI-PD 16V Eng. BNA-BLB 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8		45°
							25.4	6	87.5		45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11257 G11258	IN/EX	31.5	7	12.06 12.11	B	C.I
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11257 G11258	IN/EX	31.5	7	12.06 12.11	B	C.I
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
037103419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



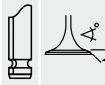
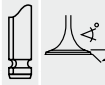
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
03G 109 412C	PI 06-0042	I
03G 109 411B	PI 06-0045	I
03G 109 411C	PI 06-0044	I
03G 109 412B	PI 06-0043	I
03G 109 412C	PI 06-0042	I
03G 109 411B	PI 06-0045	I
03G 109 411C	PI 06-0044	I
03G 109 412B	PI 06-0043	I


 NOTE
remarks

AUDI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2004	4	A6 2.0 TDI-PD 16V Eng. BNA-BLB-BRE Eng. BRF-BVG 1868 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1 25.4	6 6	87.8 87.5	I I	45° 45°
2008 2009	4	A4 2.0 TDI 16V Q5 2.0 TDI 16V Eng. CAGC-CAHA 1968 cc.	81	03L 109 601 03L 109 611	IN EX	R6564/S R6565/BM	28.1 26	6 6	99.3 99.1	I I	45° 45°
1990/91	5	100 Avant Eng. 1T 2460 cc. 100 Avant Eng. AAS 2370 cc. 100 Avant TD Eng. AAT - ABP 2460 cc.	81	028 109 601A 046 109 611C/E 074 109 611	IN EX EX	R4615/BMARCR R4616/BMARCR R4640/RCR	36 31.5 31.2	8 8 8	96.9 96.9 95	I I I	45° 45° 45°
1994	5	A6 2.5 - Avant 2.5 TDI Eng. AAT-AEL 2460 cc.	81	046 109 601J 046 109 611F	IN EX	R4776/BMCR R4777/BMCR	36 31.4	8 8	96.9 96.9	I I	45° 45°
2005 2007	V6	A6 2.7 TDI V6 24V A4 2.7 TDI V6 24V A5 2.7 TDI V6 24V Eng. BPP-BSG Eng. CAMA-CAMB-CGKA 2698 cc.	83	059 109 601G 059 109 611H	IN EX	R6514/S R6515/BMAR	28.8 26.8	6 6	99.5 99.4	I I	45° 45°
2003 2005 2005 2007 2007	V6	A8 3.0 TDI V6 24V A6 3.0 TDI V6 24V A4 3.0 TDI V6 24V A5 3.0 TDI V6 24V Q7 3.0 TDI V6 24V Eng. BMK-BKN-BNG Eng. ASB-BUN-BUG Eng. CCWB 2967 cc.	83	059 109 601G 059 109 611K	IN EX	R6514/S R6515/BMAR	28.8 26.8	6 6	99.5 99.4	I I	45° 45°

AUTOBIANCHI

1975	4	A 112 Eng. A112 903 cc.	65	4265695 4266321	IN EX	R3561/SCR R3359/RCR	29 26	7 7	95.5 95.5	EE I	45° 45°
1969/86	4	A 112E Eng. 100GL6.000 903 cc. A 112 Elegant Eng. A112B1.000 903 cc.	65 67.2	4265695 4377979	IN EX	R3561/SCR R3551/RCR	29 26	7 7	95.5 95.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
03G 109 411A 03G 409 411 03G 109 412A 03G 109 412A	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	I I I I
059 109 521G 059 109 417G	PI 06-0040 RA06-946	I I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	PI 06-0040 RA06-946	I I I I I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	PI 06-0040 RA06-946	I I I I I






 NOTE
remarks

AUDI DIESEL

AUTOBIANCHI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1977/85	4	A 112 Elegant - Elite A122 Junior - LX Eng. A112A- A112B1 965 cc.	67.2	5959564	IN	R3745/SCR	29	7	95.5	EE	45°
				5959563	EX	R3746/RCR	26	7	95.5	EE	45°
				5973130							
1985	4	Y10 - Y10 4WD Y10 LX Eng. 156A2.000 Fire 999 cc.	70	7666228	IN	R4168/SCR	30.5	7	97	EE	45°
1989	4	Y10 ie - Y10 4WD ie Y10 ie LX Eng. 160A3.000 Fire 1108 cc.		5942727	EX	R4169/RCR	27.5	7	97	EE	45°
				5942728							
				7666227							
1985/89	4	Y10 Touring Eng. 156A.000 1049 cc.	76	4412816	IN	R3592/SCR	36.5	8	110	EE	45°
				4412822	EX	R3529/RCR	29	8	110.5	EE	45°
				4340119							
1985	4	Y10 Turbo Eng. 156A1.000 1049 cc.	76	5997328	IN	R4172/RCR	36.5	8	110	EE	45°
				5985066	EX	R4173/RCR	29	8	110.5	EE	45°
1989	4	Y10 1.3 GT ie Eng. M608AA.130 1300 cc.	76	4412816	IN	R3592/SCR	36.5	8	110	EE	45°
				4412822	EX	R3529/RCR	29	8	110.5	EE	45°
				4340119							

BEDFORD

	4	Rascal Eng. F10A Suzuki 970 cc.	65.5	12911-82000	IN	R4549/SNT	36	7	115.5	EE	45°
				12915-82050	EX	R4550/RNT	30	7	114.5	EE	45°
1982	4	Astra 1.3L Van Eng. 1.3N - S 1297 cc.	75	90106098	IN	R3692/SCR	33	7	104.5	E	45°
				642763	EX	R3695/RCR	29	7	104.5	E	45°
				90106086							
				642890							
1983	4	Astra L Van Eng. 16SV 1598 cc.	79	642679	IN	R4383/SCR	38	7	101	E	45°
				642854	EX	R4384/RCR	31	7	101	E	45°
1983/86	4	Astra 1.6L Van Eng. 1.6N - S 1598 cc.	80	90106792	IN	R4236/SCR	35	8	106.1	E	45°
				642635	EX	R4239/RCR	32	8	106.1	E	45°
				90106797							

BMW

2011 NEW	4	114 - 116 - 118 1.6 i 16V Eng. N13B16- F20 1598 cc.	77	11347585901	IN	R6711/S	29.70	5	95.10	I	45°
				11347547187	EX	R6664/RCR	26	5	110.1	I	45°
1977/83	6	320 - 520 - 320i - 520i Eng. M20B20 1990 cc. 323 i Eng. M20B23 2316 cc.	80	1267687	IN	R3635/SCR	40	7	102.5	I	45°
				1265453	EX	R3636/BMARCR	34	7	102.5	I	45°
				11341267721							
				1267688							
				1280643							
				11341267722							

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
11115-82000-001	G3277 G3278	IN/EX	48	7	12.07 12.12	G	L-X
	G2800 G2801	IN/EX	45.5	7	11.04 11.09	G	L
	G2800 G2801	IN/EX	45.5	7	11.04 11.09	G	L
	G3232	IN/EX	43	8	12.04	G	L
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
11121280523	G2073 G2074 G2075 G2782	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
59422730	PI 03-105	M
5233315	PI 06-0009	I
5233315	PI 06-0009	I
5233315	PI 06-0009	I
11337559797 7559797	PI 06-0046* PI 06-0047* RA06-950	I I

NOTE
remarks

AUTOBIANCHI





BEDFORD

BMW

PI 06-0046*
12X29.90
PI 06-0047*
12X39.30

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1989/92	6	320i 320i 24V 320i Coupè 24V 520i 24V 520i Touring Eng. M50B20 1991 cc.	80	11341722910 11341722911	IN EX	R4617/S R4618/BMARCR	29.9	7	107.7	I	45°
							26.9	7	106.8	I	45°
1992	6	320 i 24V Eng. M50B20 Mod. E36 1991 cc.	80	11341738220 11341738214 11341738221 11341738215	IN EX	R4799/SCR R4800/BMARCR	29.9	6	107	I	45°
1994 1992		320 2.0i 24V 520i 2.0 24V Eng. M50B20 Mod. E34 1990 cc.					26.9	6	106.1	I	45°
1999		Z3 2.0i 24V Eng. M52B20C 1991 cc.									
1988/90	4	316i Eng. M40B16 1596 cc.	84	11341727358 11341727352	IN EX	R4606/SCR R4607/BMARCR	42	7	102	I	45°
1990		318i - 518i Eng. M40B18 1796 cc.					36	7	101	I	45°
2005 2007 2007 2006 2006 NEW	6	325i - 325xi 523i 525i - 525xi X3 2.5 si Z4 2.5i Eng. N52B25A Eng. N52B25C Eng. N53B25Z 2497 cc.	82	11347539919 11347553774	IN EX	R6730/S R6731/BM	32.15 27	5 6	104.5 110.5	I I	45° 45°
1991/93	4	316 i Eng. M42B16 1596 cc. 318 i - 318iS 16V Eng. M42B18 1796 cc.	84	11341722908 11341722903	IN EX	R4692/S R4693/BMARCR	32.9 30.4	7 7	106.7 106.3	I I	45° 45°
1990 1991 1992		325 i 325 i 24V 325 i Coupè 24V 525 i 24 V 525 ix Touring 24V Eng. M50B25 2494 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
	G11561 G11562 G11563 G11564	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321739299	PI 06-0029	I
11321739299	PI 06-0029	I
11331709063	RA06-909	
11337559797 7559797	RA06-950	
11321739299	PI 06-0029	I


NOTE
 remarks

PI 06-0029
 No engine M52B20C

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	116 i 316 i Eng. N45B16A 1596 cc.	84	11341435461 11347503737 11341707519 11347503738 11347592839	IN	R6459/S	34.9	6	100	I	45°
					EX	R6392/BMARCR	29	6	100.1	I	45°
2004	4	316i/ti 1.8 Eng. N46B18A 1796 cc.	84	11341440304 11341707519	IN	R6391/S	32	6	100	I	45°
					EX	R6392/BMARCR	29	6	100.1	I	45°
2001		318 ci 16V 1796 cc.	84	11341440304 11341707519	IN	R6391/S	32	6	100	I	45°
2003		120 i 16V			EX	R6392/BMARCR	29	6	100.1	I	45°
2004		118 i 16V									
2007		320 i 2.0 16v									
		Eng. N46B20B Eng. N42B20A 1995 cc.									
1994	4	316i Compact - Coupè Eng. M43B16 1596 cc.	85	11341739658 11341739665	IN	R6015/S	42	7	104	I	45°
1993/98	4	318i 1.8			EX	R6016/BMARCR	36	7	103	I	45°
1993/95	4	518i 1.8									
1995/98		Z3 1.8 Eng. M43B18 1796 cc.									
2000	4	316i 1.9									
2000		318i 1.9									
1998		Z3 1.9i Eng. M43B19 1895 cc.									
1993		318i Eng. M43B18									
1996		Z 3 Eng. M43B18 1796 cc.									
1994	V12	850 Csi 24V Eng. M73B54 5379 cc									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11486	IN/EX	39	6	10.05	B	L
	G11486	IN/EX	39	6	10.05	B	L
	G11486	IN/EX	39	6	10.05	B	L
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.

PI **PUNTERIE · LIFTERS**
RA **BILANCIERI**
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE
remarks

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995 1993	4	318 Ti Compact 16V 318 iS Coupè 16V Eng. M42B18 1796 cc.	84	11341739822 11341739820 11341738218 11341438451	IN	R4864/S	32.9	6	106	I	45°
1999	4	Z3 1.9i 16V Eng. M44B19 1895 cc.		11341739823 11341739821 11341738219 11347505731	EX	R4865/RCR	30.5	6	105.6	I	45°
1995 1999	6	323i 2.5 24V 323 Ci Coupè 2.5 24V Eng. M52B25									
1992/97 1995	6	325i 2.5 24V 523i 2.5 24V Eng. M50B25									
2003		X3 2.5 i 24V Eng. 256S5 2494 cc.									
1995	6	328i 2.8 24V 528i 2.8 24V 728i 2.8 24V Z 3 2.8 24V Roadster Eng. M52B28 - M52B52 2793 c.c.									
2003 2004	6	X3 3.0 i 24V Z4 3.0 i 24V Eng. 306S3 - M54B30 2979 cc.									
2012 NEW	4	125i 2.0 16V 320i 2.0 16V 320ix 2.0 16V	84	11347583777 11347583779 113477598273	IN EX	R6774/S R6775/BMAR	32 28	5 6	105 112.8	I I	45° 45°
2011 2010 2012		328i-ix 2.0 16V 520i 2.0 16V 528i-ix 2.0 16V X1 16i 2.0 16V X1 20i 2.0 16V X1 28i 2.0 16V X3 20i 2.0 16V X3 28i 2.0 16V Z4 18i 2.0 16V Z4 20i 2.0 16V Z4 28i 2.0 16V Eng. N20-N20B20 1997 cc.									
1983	6	325 E - 525 E 528 E Eng. M20B27 2693 cc.	84	1267687 1265453 11341267721 1267688 1280643 11341267722	IN EX	R3635/SCR R3636/BMARCR	40 34	7 7	102.5 105.5	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121735534	G3544 G3548	IN/EX	43.5	6	12.56	B	C.I.
		12.61					
	G11023 G11024	IN/EX	43.4	6	12.05	B	C.I.
					12.10		
	G11561 G11562 G11563 G11564	IN	42	5	10.04	B	L
		EX	48	6	10.09	B	L
					10.04		
					10.09		
11121280523	G2073	IN/EX	45	7	13.05	B	C.I.
	G2074				13.10		
	G2075				13.15		
	G2782				13.25		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321748881 11321748880 11321748882 11321748884	PI 06-0021	I
11321739298 11321739299	PI 06-0029	I
11337559797 7559797	RA06-950	


NOTE
remarks





PI 06-0021
33X24

PI 06-0029
35X26

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/91 1988/90 1986/91	6	325i-325ix 525 i 24V Z1 Eng. M20B25 2494 cc.	84	11341720827 11341720828	IN EX	R4454/S R4455/BMARCR	42 36	7 7	102.5 102.5	I I	45° 45°
2002 2003	6	Z4 3.0 i 24V X3 3.0 i 24V Eng. 306S3 2979 cc.	84	11341739822 11341739820 11341738218 11341438451 11341739823 11341739821 11341738219 11347505731	IN EX	R4864/S R4865/RCR	32.9 30.5	6 6	106 105.6	I I	45° 45°
2000/2005 2001 2000 2004 2003 NEW	6	325i 325ti 525i X3 2.5i Z4 2.5i Eng. M54B25 2494 cc.	84	11347553771 11347539915 11347553772	IN EX	R6715/S R6716/BM	34.17 29	5 6	104.4 110.5	I I	45° 45°
2000 2003	6	330i 530i 730i -Li X5 3.0i Z3 3.0 Z4 3.0i Eng. M54B30 2979 cc.	84								
2005 2007		130i 325i 325xi 330i	85								
2007		525i 525xi 530xi 630i									
2005 2007 2009		730i -Li X5 3.0i Z4 3.0i Eng. N52B30 Eng. N52B30A Eng. N53B30A 2996 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121280523	G2073 G2074 G2075 G2782	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
	G11561 G11562 G11563 G11564	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321748881	PI 06-0021	I
11337559797 7559797	RA06-950	







NOTE
remarks

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008 2006 2008 2008 2009 2010 NEW	6	135i 335i - 335xi 740i X6 35i Z4 35i Z4 35is Eng. N54B30A Eng. N54B30B 2979 cc.	84	11347553775 11347553776 11347573840	IN EX	R6732/S R6733/BMCR	31.35 28	5 6	106.65 114.60	I I	45° 45°
2009 2012 2009 2010 2011 2009 2010 2011 2011 2010 2009 NEW	6	135i 3.0 24V M135i 3.0 24V 335i 3.0 24V 335Xi 3.0 24V 335i 3.0 24V 535i 3.0 24V 535iX 3.0 24V 640i-lx 3.0 24V 740i 3.0 24V X3 35iX 3.0 24V X5 - X6 35iX 3.0 24V X5- X6 40iX- 3.0 24V Eng. N55-N55-B30 2979 cc.	84	11347583777 11347583779 113477598273	IN EX	R6774/S R6775/BMAR	32 28	5 6	105 112.8	I I	45° 45°
2010 NEW	6	130i 325i 325xi 330i 525i 525xi 530xi 630i 730i -Li X5 3.0i Z4 3.0i Eng. N53B30A 2996 cc.	85	11347552952 11347552953	IN EX	R6734/S R6735/BMCR	32 29	5 6	106.7 114.6	I I	45° 45°
1993	V8	530i Tourig 32V 730i - 730iL 32V Eng. M60B30 2997 CC	84	11341731642 11341736567 11341741230 11341736576	IN EX	R4797/S R4798/BMARCR	31.9 28.5	6 6	104 103.6	I I	45° 45°
1986/89	V12	750i - 750iL V12 850i Eng. M70 4988 CC	84	11341727358 11341713731	IN EX	R4606/SCR R4796/BMARCR	41.9 34.9	7 7	102 101.1	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11561 G11562 G11563 G11564	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
	G11561 G11562 G11563 G11564	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
	G11561 G11562 G11563 G11564	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
11121715373	G3145	IN/EX	43.5	7	12.55	B	C.I.





**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11337559797 7559797	RA06-950	
11337559797 7559797	RA06-950	
11337559797 7559797	RA06-950	
11331709063	RA06-909	


**NOTE
remarks**
BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	318iS Compact 16V 318Ti Compact 16V Z 3 Roadster 16V Eng. M44B19 1895 cc.	85	11341739822 11341739820 11341739823 11341739821	IN	R4864/S	32.9	6	106	I	45°
					EX	R4865/RCR	30.5	6	105.6	I	45°
09/1994	V12	750i - 750il 24V 850ci - 24V Eng. M73 B54 5379 cc.	85	11341739658 11341739665	IN	R6015/S	42	7	104	I	45°
					EX	R6016/BMARCR	36	7	103	I	45°
1968/76	6	2500 - 2.5CS 525 2494 cc. 2800 - 2.8CS 2788 CC. 528 Eng. 128 2788 cc.	86	11341273592 11341250129	IN	R3415/SCR	46	8	106.5	I	45°
1976/81		525 - 525i Eng. M30B25 2494 cc.			EX	R3416/RCR	38	8	107	I	45°
1977		528i - 628 CSi - 728i Eng. M30B25 2788 cc.									
1987	4	318i Eng. M40 1766 cc.	89	11341727358 11341727352	IN	R4606/SCR	42	7	102	I	45°
					EX	R4607/BMARCR	36	7	101	I	45°
1971/76	6	3.0 S/CS/L Eng. E3	89	11341273592 11341250129	IN	R3415/SCR	46	8	106.5	I	45°
1988		530i			EX	R3416/RCR	38	8	107	I	45°
1986		730i/iL Eng. M30B30ME									
1976/80		630 CS - 730 Eng. 3000/9 2985 cc.									
1976/82		633 CSi - 732i - 733i Eng. M30B32L 3210 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
111212663642	G2070 G2071 G2072 G2781	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
11121715373	G3145 G3146 G3330	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11120721100	G2067 G2068 G2069	IN/EX	52	8	14.04 14.09 14.14	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE
remarks

BMW

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/93	V8	540i V8 32V 740i - 740iL V8 32V 840Ci 32V 840Ci 3.9 V8 32V Eng. M60B40 3982 cc.	89	11341731640 11341736549 11341736558 11341736568 11341741231	IN EX	R4794/SCR R4795/BMARCR	34.9 30.4	6 6	104.1 103.6	I I	45° 45°
1996	V8	X5 4.4 i V8 32V 540i V8 32V 740i V8 32V 840Ci 4.3 V8 32V Eng. M62B44 4398 cc.	92								
1978/83	6	535i - 635CSi Eng. M30 3430 cc. 535i - 635 CSi Eng. M30 3453 cc.	92 93.4	11341273592 11341250129	IN EX	R3415/SCR R3416/RCR	46 38	8 8	106.5 107	I I	45° 45°
1986/89	4	320i/ls M3 16V Eng. S14-E30 2302 cc.									
BMW DIESEL											
2011 2012 NEW	4	116d 114d Eng. N47D16A 1598 cc.	78	11347812618 11347812616	IN EX	R6771/SCR R6772/RCR	24.80 21.20	5 5	94 94	I I	45° 45°
1983 1986	6	524TD Eng. M21D24WA Turbo 324d - 524d Eng. M21D24 Turbo 2443 cc.	80	11342242621 11342242624 11342242622 11342242623	IN EX	R4396/BMCR R4397/BMARCR	34.9 30.9	7 7	114.3 114.1	I I	45° 45°
1990/92	6	325TD Eng. M51D25 2498 cc.	80	11342243328 11342244282	IN EX	R4621/BMCR R4622/BMARCR	35.9 30.9	7 7	103.7 103.5	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121735534	G3544 G3548	IN/EX	43.5	6	12.56 12.61	B	C.I.
11120721100	G2067 G2068 G2069	IN/EX	52	8	14.04 14.09 14.14	B	C.I.
	G3147 G3148 G3149	IN/EX	45	7	12.05 12.10 12.15	B	C.I.
	G11528 G11529	IN/EX	36	5	10.05 10.10	B	L
11121280523	G2073 G2074 G2075 G2782 G3141 G3142 G3143 G3144	IN EX	45 52	7 7	13.05 13.10 13.15 13.25 13.05 13.10 13.15 13.25	B B	C.I. C.I.
11121280523	G2073 G2074 G2075 G2782 G3141 G3142 G3143 G3144	IN EX	45 52	7 7	13.05 13.10 13.15 13.25 13.05 13.10 13.15 13.25	B B	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0029	I
	PI 06-0021	I
11332249817 11337797710 11337812893	PI 06-0019 RA06-949	I
11321739229	PI 06-0029	I


NOTE
remarks





PI 06-0029
ENG. M60B40

PI 06-0021
Eng. M62B44

BMW
BMW DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	318TDS - Touring Eng. M41D18 1665 cc.	80	11342244814 11342246524 11342244815	IN EX	R4919/BMCR R4920/BMARCR	36 31	6 6	103.7 103.5	I I	45° 45°
1992	6	325TD - 325TDS 325TDS Touring 525TD - 525TDS 525TDS Touring Eng. M51D25									
1996	6	525 TDS Eng. M51D25 Mod. E39									
	6	725TDS Eng. M51D25 Mod. E38 2498 cc.									
2007	4	123 d Eng. N47D20B 1995 cc.	84	11127797711 11347797712	IN EX	R6620/SCR R6621/RCR	27.2 24.6	5 5	94 94	I I	45° 45°
1998	4	320 2.0 TDS 16V Eng. M47D20 1951 cc.	84	11342247077	IN/EX	R6088/BMCR	26	6	100	I	45°
2003		X3 2.0 D 118 D									
2004		120 D Eng. 204D4 1995 cc.									
1999	6	330 3.0 TDS 24V									
1998	6	530 3.0 TDS 24V									
1998	6	730 3.0 TDS 24V									
2000	6	X5 3.0 TDS 24V									
	6	X3 3.0 D Eng. M57D30 2498 cc.									
2005	6	530 D 3.0 24V Eng. M57 306D3- M57N30									
2004	6	535 D 3.0 24V Eng. 306D4 - M57N30 2993 cc.									
2004	6	740 D 3.9 32V Eng. M67D39 3901 cc.	84	11342247077	IN/EX	R6088/BMCR	26	6	100	I	45°
2006	6	X3 3.0 sd	84	11347799612	IN	R6619/SCR	27.5	6	99.8	I	45°
2006		335 D		11342247077	EX	R6088/BMCR	26	6	100	I	45°
2008		X6 35D Eng. N57N306D5 2993 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11122244464	G13599 G11021 G11022	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.
	G11528 G11529	IN/EX	36	5	10.05 10.10	B	L
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321739229	PI 06-0029	I
11332249817 11337812893	PI 06-0019 RA06-949	I
11332249817 11332247722 11332248878 11122247056	PI 06-0019 RA06-942	I
11332249817 11332248878 11122247056	PI 06-0019 RA06-942	I
11332249817 11332247722 11332248878 11122247056	PI 06-0019 RA06-942	I



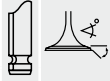

NOTE
 remarks

BMW DIESEL

PI 06-0019
 Ball 8.3 MM

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.					
							D	d	L			
CADILLAC DIESEL												
2006	4	BLS 1.9D Fiat Engine 1910 cc.	82	93185523	IN	R6203/SCR	28	6	114.40	I	45°	
				93178588	EX	R6204/BMCR	26	6	114.40	I	45°	
CATERPILLAR												
1959/69	4/6	D4 - D330 - 944 - 955 D333 - 977 - D6	144.3	7M7358E	IN	R3178/S	48	9.5	166.5	K	30°	
				7M7359E	EX	R3179/R	45	9.5	166.5	K	30°	
				9M4163								
	8	Eng. 3208 10400 cc. Eng. 1140 - 1145 Eng. 1150 - 1160	114.3	9L7682	IN	R4303/R	53.2	9.5	145	K	30°	
				9L7683	EX	R4304/R	46	9.5	144.5	K	45°	
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E 112F - 120 - 140	120.65	5S6452	IN	R3934/S	51.5	9.5	140	K	30°	
				5S6449	EX	R3935/R	48	9.5	139	K	30°	
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E	120.65	5S6452	IN	R3934/S	51.5	9.5	140	K	30°	
				5S7232 8N0875	EX	R3936/R	48	9.5	139	K	30°	
	4/6	112F - 120 - 140 D7F - 980B D330C - D333C Scrapers 627 - 637	120.65	7S8809	IN	R3937/S	51.5	9.5	140	K	30°	
				9N6117 2W2621								
				5S7232	EX	R3936/R	48	9.5	139	K	30°	
				8N0875								
				7S6767	EX	R3938/BMAR	48	9.5	139	K	30°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55186786	G11302	IN/EX	47	6.02	11.03	G	C.I.
	G11303				11.06		
55186786	GS11302	IN/EX	47	6.02	11.03	SM	C.I.
4N3668	G2101	IN/EX	82	9.55	16.72	G	C.I.
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z
2P1262	G2698	IN/EX	71	9.53	16.72	G	L-Z
1487425	G11247	IN/EX	70.5	9.53	16.72	G	L-Z

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925	PI 06-0019	I
46764765	RA06-903	
55200333	RA06-901	


**NOTE
remarks**
RA06-903
55X17R17X10
RA06-901
57X17R17X10

CADILLAC D.
CATERPILLAR

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	6 8 12	D9 Serial N. 18A1 19A1 - 34A1 - 49A1 50A1 - 66A1 D379 - D398	158.75	7M7817 8H7097 8N3723	IN EX	R3941/R R3942/R	63.5 60	12.5 12.5	238.5 238.5	G G	30° 30°
	V8 V12	Eng. G379 Eng. D398	158.75	1W8606 1W1822 2W3211	IN EX	R4968/BMAR R4969/BMAR	63.5 60	9.3 9.3	238.5 238.6	K K	30° 30°
	8	Eng. 3204		9L7682 9N5125 1196772	IN EX	R4303/R R4675/BMAR	53.2 46	9.45 9.45	145 144.5	K K	30° 45°
	V16	Eng. 3516	170.18	7E4609 1047184	IN/EX	R6040/BMAR	56	9.5	219	K	30°
		D3 Eng. 3204		9N0180 9N0185	IN EX	R4868/S R4869/R	48 45.8	9.5 9.5	150 149.7	K K	30° 45°
		Eng. 3066 CLZ-HBC		5I7738 5I7739	IN EX	R6393/RNT R6394/RNT	44 37	8 8	134.2 134	M M	30° 30°
		Eng. 3408 Eng. EI GY		122-0322 122-0321	IN EX	R6490/BMARCR R6491/BMARCR	45 41.9	9.5 9.5	184.4 184.3	K K	30° 45°

CHEVROLET

2010 NEW	4	Spark 1.0 Eng. B10D1 995 cc.	68	96463002 96463003	IN EX	R6807/SNT R6808/RNT	25.86 23.45	5 5	99.20 100	S S	45° 45°
1986	3	Tico - Matiz Eng. F8B - F8CV 796 cc.	68.5	12911-78B00-000 12915-78B00-222 11915A78B01-000	IN EX	R4894/SNT R4895/RNT	35.7 31.7	5.5 5.5	110.5 110.3	S S	45° 45°
2003	4	Matiz 1.0 i Eng. B10S 995 cc.	68.5	12911-78B00-000 12915-78B00-222 11915A78B01-000	IN EX	R4894/SNT R4895/RNT	35.7 31.7	5.5 5.5	110.5 110.3	S S	45° 45°
2002 2006 2011	4	Kalos 1.2 Aveo 1.2 Spark 1.2 Eng. F12S3 - B12D1 1148 cc	68.5	94580146 96352793 96352783	IN EX	R4894/SNT R4895/RNT	35.7 31.7	5.5 5.5	110.5 110.3	S S	45° 45°
2012	4	Cruze 1.4 i 16V Orlando 1.4 i 16V Trax 1.4 i 16V Eng. LUJ 1362 cc.	72.5	55565339 55570170	IN EX	R4878/SCR R4879/RCR	28 25	5 5	93.8 93.8	I I	45° 45°
2011	4	Aveo 1.4 16V Eng. A14XER 1398 cc.	73.4	90529527 90529529	IN EX	R4878/SCR R4879/RCR	28 25	5 5	93.8 93.8	I I	45° 45°
1996	4	Nexia 1.5 Eng. G15MF 1498 c.	76.5	90215492 96098751	IN EX	R6090/SCR R6091/RCR	38 31	7 7	101.7 101.7	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1995	4	Espero 1.5 16V Nexia 1.5 16V Eng. A15MF 1498 cc.	76.5	96103129 96103130	IN EX	R4986/SCR R4987/RCR	30.3 26	6 6	102.4 102	E E	45° 45°
1997 1997	4	Lanos 1.4 i 8V Eng. A13DM/13SMS 1349 cc. Lanos 1.5 i 8V Eng. A15DM/15SMS 1498 cc.	76.5	96182934 96182933	IN EX	R6094/SCR R6095/RCR	38 31	7 7	103.5 103.5	E E	45° 45°
2002 2003	4	Kalos 1.4 i 8V Aveo 1.4 i 8V Eng. F14S3 1399 cc.	77.9	96335947 96335948	IN EX	R6399/SNT R6400/RNT	38 31	6 6	104 104	I I	45° 45°
2003 2004	4	Kalos 1.4 i 16V Lancetti 1.4 i 16V Eng. F14D3-F14D5 1399 cc.	77.9	96376881 96440081 96376980 96440079	IN EX	R6462/SCR R6463/RCR	28.5 27.3	6 6	101.6 101.3	S S	45° 45°
1997 2000	4 4	Lanos 1.6 i 16V Nubira 1.6 i 16V Tacuma 1.6 i 16V Eng. A16DMS 1598 cc.	79	96182806 96182805	IN EX	R6096/SCR R6097/RCR	30.3 26	6 6	102.5 102	E E	45° 45°
2009 2011 2012	4	Cruze 1.6 i 16V Aveo 1.6 i 16V Trax 1.6 i 16V Eng. F16D4-LDE 1598 cc.	79	55557862 55558728	IN EX	R6366/SCR R6367/BMCR	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2009 2011 2013	4	Cruze 1.8 Cruze 1.8 Trax 1.8 Eng. F18D4 1796 cc.	82	55557741 71744388	IN EX	R6504/SCR R6505/BMCR	31 27.5	5 5	114 113.2	I I	45° 45°
1995 1995	4 4	Espero 1.8 Eng. C18LE 1796 cc. Espero 2.0 Eng. C20LE 1998 c.c.	84.8 86	90220119 90323756 90323757	IN EX	R4592/SCR R4593/RCR	41.8 36.5	7 7	103.8 103.6	E E	45° 45°
2000		Tacuma 1.8 SX Eng. F18N 1761 cc.	84.8	96230591 96230595	IN EX	R6165/SCR R6166/RCR	38 31.4	6 6	101.3 101.1	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
96103034	G11268 G11269	IN/EX	40	5.99	11.06 11.11	G	L
96350913	G11417 GS11417	IN/EX	47.5	7.02	11.03	G	L
		IN/EX	47.5	7.02	11.03	SM	L
96338200	G11443 G11444	IN/EX	47.5	6	11.04 11.09	G	L
		GS11443	IN/EX	47.5	6	11.04	SM
96336671	G11268 G11269	IN/EX	40	5.99	11.06 11.11	G	L
96103034	G11268 G11269	IN/EX	40	5.99	11.06 11.11	G	L
71739771	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
642014	GS13598	IN/EX	39	5	10.05	SM	C.I.
	G11479 G11480	IN/EX	37	5	10.03 10.06	G	C.I.
	GS11479	IN/EX	37	5	10.03	SM	C.I.
71739771	G11479 G11480 GS11479	IN/EX	37	5	10.05 10.06	G	C.I.
		IN/EX	37	5	10.05	SM	C.I.
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
		GS2800	IN/EX	45.8	7	11.04	SM
90502079	G3511 G11150 G11151	IN/EX	45	6	10.05 10.10 10.15	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



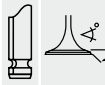
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0010	I
05233315	PI 06-0009 RA06-920	I
05233315	PI 06-0009	I
96376400	PI 06-0010	I
96184997 96376400	PI 06-0010	I
05233315	PI 06-0009	I
05233315	PI 06-0009	I


 NOTE
remarks

CHEVROLET

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999 1997	4	Nubira 2.0 i 16V Leganza 2.0 i 16V Evanda 2.0 i 16V Eng. X20SED-C20SED 1998 cc.	86	90412277 641022 641325 90410813	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
2000 2005	4	Tacuma 2.0 i 16V Epica 2.0 i 16V Eng. T20SED 1998 cc.									
1999/02	4	Leganza 2.2 i 16V Eng. T22SED 2198 cc	86	90412277 641022 641325 90410813	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°

CHEVROLET DIESEL

2011	4	Aveo 1.3 D 16V Cruze 1.3 D 1.3 16V Eng. LDV Eng. LSF 1248 cc.	69.6	EURO 4 EURO 5	IN EX IN EX	R6304/SCR R6305/BMCR R6636/SCR R6640/BMCR	21.9 21.9 22.45 22.45	6 6 6 6	109.2 109.2 109.2 109.2	I I I I	45° 45° 45° 45°
2012 NEW	4	Trax 1.7 TD Cruze 1.7 TD Eng. LUD 1686 cc.	79	98113743 97385842	IN EX	R6645/SNT R6646/RNT	27.40 25.45	6 6	102.6 102.4	S S	45° 45°
2000	4	Truck Plus Eng. XUD9 - 162 1905 cc.	80	50054982 50060609	IN EX	R4243/SCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
2007	4	Nubira 2.0 TCDI Captiva 2.0 VCDI Epica 2.0 VCDI Eng. Z20DM - Z20DMH 1991 cc.	83	96951454 96951455	IN EX	R6548/SCR R6549/RCR	28.5 24.4	6 6	95.7 95.7	I I	45° 45°
2010 2011 NEW	4	Cruze 2.0 TD Orlando 2.0 TD Eng. Z20D1 1998 cc.	86	25183821 25183822	IN EX	R6787/SCR R6788/RCR	28.8 26.45	5.5 5.5	101.9 101.9	I I	45° 45°
2011	4	Captiva 2.2 TD Eng. Z22D1 2231 cc.									

CHRYSLER

2001	4	Neon 1.6 i 16V Eng. R50 1598 cc.	77	11341485585 11347513023 04777770AB 11347829943 11347513024 04777772AB/AC	IN EX	R6252/SCR R6253/BMCR	30.3 23.3	6 6	109.5 118.3	I I	45° 45°
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**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
90502079	G3511 G11150 G11151	IN/EX	45	6	10.05 10.10 10.15 10.15	G	C.I.
90502079	G3511 G11150 G11151	IN/EX	45	6	10.05 10.10 10.15 10.15	G	C.I.
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	C.I.
	GS11310	IN/EX	43	6.02	10.03	SM	C.I.
	G11251 G11265	IN/EX	42.3	6	11.06 11.11	G	C.I.
	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3511 G11150	IN/EX	45	6	10.05 10.10	G	C.I.
	GS3511	IN/EX	45	6	10.05	SM	C.I.
	G11487	IN/EX	42	6	11.06	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0010	I
	PI 06-0010	I
	PI 06-0019 RA06-900	I



NOTE
remarks





CHEVROLET

CHEVROLET DIESEL

CHRYSLER

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2004	4	PT Cruiser 1.6 i 16V Eng. R50 1598 cc.	77	11341485585 11347513023 04777770AB 11347829943 11347513024 04777772AB/AC	IN	R6252/SCR	30.3	6	109.5	I	45°	
							23.3	6	118.3	I	45°	
1996/99	4	Neon 2.0 i 16V	87.5	04667969AB	IN	R6597/SCR	34.8	6	111.6	I	45°	
2000		PT Cruiser 2.0 i 16V		04777898AA	EX	R6598/RCR	28.5	6	109.8	I	45°	
2001		Sebring 2.0 i 16V Eng. ECC 1995 cc.										
2000	4	PT Cruiser 2.4 i 16V	87.5	04667969AB	IN	R6597/SCR	34.8	6	111.6	I	45°	
2001		Sebring 2.4 i 16V		04777898AA	EX	R6598/RCR	28.5	6	109.8	I	45°	
1995		Stratus 2.4 i 16V										
2000		Voyager 2.4 i 16V										
2003		PT Cruiser 2.4 i 16V Eng. EDV 2429 cc.										

CHRYSLER DIESEL

2007	4	Sebring 2.0 CRD 16V Eng. ECD 1968 cc.	81	68001582AA 68001583AA	IN	R6372/S	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2006	V6	Chrysler 300 CRD Eng. OM642 2987 cc.	83	5175396AA 5175397AA	IN	R6473/SCR	28.5	6	102.3	I	45°
							25.4	6	102.3	I	45°
2002	4	PT Cruiser 2.2 CRD 16V Eng. OM664 2151 cc.	88	050 73 735AA 050 73 738AA	IN	R6173/SNT	30.1	7	104	I	45°
							28.4	7	104.4	I	45°
1991/92	4	Voyager 2.5 TD Eng. VM 2499 cc.	92	047 20 146 047 20 148	IN	R3598/RCR	40	8	121	E	35°
							34	8	121	E	45°
2001	4	Voyager 2.5 CRD 16V	92	05066770AA	IN	R6460/SCR	32.4	6	109	I	45°
2004		Voyager 2.8 CRD 16V Eng. HR425-HR428 Eng. RA428-RA425 2499-2776 cc.	94	05066769AA	EX	R6461/BMCR	30.9	6	108.3	I	45°
2007 NEW	4	Chrysler 2.8 CRD Eng. ENS 2777 cc.	94	K68027469AA K68027470AA	IN	R6817/SCR	31.8	6	107.6	I	45°
							29.2	6	107.8	I	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1967	2	Dyane 2 CV	68.5	AYA124-7E	IN	R3367/S	39	8	91	I	30°
				AYA124 -8C	EX	R3368/XB	32	8.5	89	I	45°
1993	4	AX 10E - 10RE Eng. TU9M 954 cc.	70	97531079	IN	R4228/S	34.7	7	112.8	E	30°
				97531046	EX	R4229/RCR	27.7	7	112.6	E	45°
1984	4	LNA 4 CV 954 cc.	70	95563504	IN	R3627/S	37	8	113.5	E	30°
1982		BX 11	72	0948.38							
1983		Eng. A-XY-6C		9556305	EX	R3628/R	29	8	113.5	E	45°
1978		LNA11 RE/RS		95551308							
		Visa Super - E-L Eng. 109/5F 1124 cc.		0949.33 0949.42							
2003	4	C2 1.1 C3 1.1 Eng. TU1JP 1124 cc.	70	0948.91	IN	R6110/S	36.7	7	112.7	E	45°
				97531044 97533264	EX	R4231/RCR	29.2	7	112.6	E	45°
2005	3	C1 1.0 12V Eng. 1KR-FE 998 cc.	71	0948.E2	IN	R6439/SNT	27.5	5	88.5	SS	45°
				0949.C8	EX	R6440/RNT	23.6	5	89.1	SS	45°
1986	4	AX 11 RE-TRE Eng. TU1	72	97531080	IN	R4230/S	36.7	7	112.8	E	30°
1993		ZX Reflex		97533266							
1996		Saxo1.1i X - SX - VSX		97531044	EX	R4231/RCR	29.2	7	112.6	E	45°
1997		Exper - Berlingo 1.1i 1124 cc. Eng. TU1K - TU1MZ 1124 cc.		97533264							
1988/96	4	C15 1.1 Eng. HDZ-TU1M 1124 cc.	72	0948.58	IN	R4230/S	36.7	7	112.8	E	30°
				0949.59	EX	R4231/RCR	29.2	7	112.6	E	45°
1996/99	4	Berlingo 1.4 Eng. TU3-2 1360 cc.	72	97531080	IN	R4230/S	36.7	7	112.8	E	30°
				97533266 97531044 97533264	EX	R4231/RCR	29.2	7	112.6	E	45°
1968/79	2	Ami 6/8 Dyane 6 2 CV - LN 602cc.	74	AM124-7E	IN	R3365/S	40	8	88.5	I	30°
				AM124-8D	EX	R3366/R	34	8.5	86.5	I	45°
1973	4	Ami Super 1015 cc. Axel 11 R GSA 6 CV - GS 1129 cc.	74	5457480K 5457481W	IN EX	R3363/S R3364/RCR	39 34	8 8.5	97.5 96	I I	30° 45°
1972/80	4	GS 1200 - GS 1220 1222 cc.	77								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
19840	4	BX 14E-TRE Visa Super X	75	95563504 95551307	IN	R3627/S	37	8	113.5	E	30°
1984		Visa 14 TRS		0948.38							
1981		Visa GT-Chrono XT Eng. 150 A/B/C 1361 cc.		9556305 95551308 0949.33 0949.42	EX	R3628/R	29	8	113.5	E	45°
1986	4	AX 14 TRS-TZS-TZX	75	97531080	IN	R4230/S	36.7	7	112.8	E	30°
1987		AX GT		97533266							
1991		AX XT		0948.58							
1993		AX 14 TGS		97531044	EX	R4231/RCR	29.2	7	112.6	E	45°
1991		ZX Reflex - Advantage		97533264							
1993		ZX Tilt 1.4i		0949.59							
1996		Xara 1.4i XP - SX									
		Saxo 1.4i VTL - SX									
1997		Berlingo 1.4i 1361 cc. Eng. TU3 1361 cc.									
1987/96		C15 1.4 Eng. KDY-TU3FM/M 1361 cc.									
2003	4	C2 1.4 C3 1.4 Eng. TU3JP 1360 cc.	75	0948.91 0949.59	IN EX	R6110/S R4231/RCR	36.7 29.2	7 7	112.7 112.6	E E	45° 45°
2004	4	C2 1.4 i 16V C3 1.4 i 16V C4 1.4 i 16V Eng. ET3J4-KFU 1360 cc.	75	0948.C8 0949.C4	IN EX	R6441/S R6442/BMCR	28.2 24.35	5.5 5.5	100.7 101.1	I I	45° 45°
2008	4	Nemo 1.4 i Eng. KFV (TU3JP) 1361 cc.	75	0948.58 0949.59	IN EX	R4230/S R4231/RCR	36.7 29.2	7 7	112.8 112.6	E E	30° 45°
1979	2	LNA Visa Club 652 cc.	77	95551313 95551314	IN EX	R3983/S R3984/RCR	39.5 35.5	8 8.5	87.5 86.5	I I	45° 45°
1974/78	4	GS X2 Eng. G12/619 1222 cc.	77	5468599U 5459813 5468600E	IN EX	R3621/S R3622/RCR	38 36	8 8.5	95 94	I I	45° 45°
1979	4	Axel 1300 - GSA X3 Eng. T13/653 1299 cc.	79.4	5459814							
2008	4	C3 1.4 i 16V	77	753388480	IN	R6712/S	29.95	5	97.10	I	45°
2009		C4 1.4 i 16V		753388580	EX	R6725/R	25.10	5	110.75	I	45°
NEW		DS3 1.4 i 16V Eng. 8 FP EP3 1397 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
220510 790210	G2700 G2793	IN/EX	47.5	8	13.06 13.11	G	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
	G11033* G11034*	IN/EX	47.5	7	13.06 13.11	B	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
	G11495 G11496	IN/EX	38	5.5	10.57 10.60	B	L
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.52 0942.53	PI 06-0019	I






NOTE
remarks

G11033*
BRONZE VERSION

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008 2010 2011 NEW	4	C3 1.6 i 16V C4 1.6 i 16V DS3 1.6 i 16V DS4 1.6 i 16V Eng. 5FS EP6C 1598 cc.	77	753388480 753388580	IN EX	R6712/S R6725/R	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2011 NEW	4	DS4 - DS5 Eng. 5FU (EP6DTX) 1598 cc.	77	0948.G4 0949.E2	IN EX	R6711/S R6664/RCR	29.70 26	5 5	95.10 110.1	I I	45° 45°
1996	4	Saxo 1.6i VTS 16V Eng. TU5J4 1587 cc.	78.5	96254648 96254645	IN EX	R4975/SCR R4976/RCR	28.8 24.5	6 6	104.4 104.4	S S	45° 45°
1996	4	Saxo 1.6i VTR - SX Xara 1.6i 1587 cc.	78.5	96183535 96101887	IN EX	R4881/S R4882/RCR	39.4 31.3	7 7	111.7 111.5	I I	30° 45°
1998	4	Xsara 1.6i Eng. TU5JP From Eng. 7875 1587 cc.	78.5	0948.93 96101887	IN EX	R6089/S R4882/RCR	39.4 31.3	7 7	111.7 111.5	I I	45° 45°
2000	4	Xsara/Picasso 1.6 i 16V Eng. NFU-TU5JP 1587 cc.	78.5	0948.A9 0948.E0 0949.A8 0949.C5	IN EX	R6147/S R6148/RCR	31.2 24.5	6 6	103.8 104.4	S S	45° 45°
2003	4	C2 1.6 i 16V C3 1.6 i 16V Eng. NFU -TU5JPA 1587 cc.	78.5	0948.A9 0948.E0 0949.A8 0949.C5	IN EX	R6147/S R6148/RCR	31.2 24.5	6 6	103.8 104.4	S S	45° 45°
2000 2004	4	Berlingo 1.6 i 16V C4 1.6 i 16V Eng. NFU-TU5JP4 1587 cc.	78.5	0948.A9 0948.E0 0949.A8 0949.C5	IN EX	R6147/S R6148/RCR	31.2 24.5	6 6	103.8 104.4	S S	45° 45°
1998 2001	4	Xsara Picasso 1.8i 16V C5 1.8i 16V Eng. EW7J4 1749 cc.	82.7	0948.A4 0949.A4	IN EX	R6157/S R6158/BMCR	29.8 27.2	6 6	106 104	S S	45° 45°
1984	4	BX 16RE-RS-S-TRI-TRS Eng. 171C Visa GTI Eng. 180A 1580 cc.	83	91512096 91508631 91513446	IN EX EX	R3985/SCR R4311/RCR R3986/RCR	40 32 33	8 8 8	109.5 108.7 108.7	E E E	45° 45° 45°
1984/86	4	BX 19 TRI Eng. 159A 1905 cc.	83	91518971 91518972	IN EX	R4364/S R4365/RARCR	39.5 33	8 8	105.2 105.2	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.84	G3454 G3455 G3456	IN/EX	48	7.01	13.06 13.11 13.16	B	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
02130.12	G11315 G11316	IN	40	6	12.07 12.12	B	C.I.
02130.13	G11317 G11318	EX	40	6	12.07 12.12	G	C.I.
0220.64	G3239 G3240	IN	38.7	8.01	13.06 13.11	B	C.I.
0220.72	G3241 G3242	EX	45	8.01	13.07 13.12	B	C.I.
	G3239 G3240 G3241 G3242	IN EX	38.7 45	8.01 8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.

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RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0046* PI 06-0047* RA06-950	I I
0903.J6	PI 06-0046* PI 06-0047* RA06-950	I I
	PI 06-0024	I
	PI 06-0037	I
	PI 06-0037	I
	PI 06-0037	I
96369569 96212525	PI 06-0024	I


NOTE
remarks





PI 06-0046
12X29.90
PI 06-0047
12X39.30

PI 06-0046
12X29.90
PI 06-0047
12X39.30

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	BX 19 GTI Eng. D2A 1905 cc.	83	91537489 91537491	IN EX	R4360/S R4361/RARCR	41.6 34.5	8 8	105.2 104.8	E E	45° 45°
1984 1991	4	Visa GTI ZX Aura Eng. XU5M 1580 cc.	83	91535017 91535019	IN EX	R4362/S R4363/RARCR	41.6 34.5	8 8	108.8 108.4	E E	45° 45°
1987	4	BX 19 TRS-TRI Eng. D2A									
1991	4	ZX Volcano Eng. XU9JA 1905 cc.									
1993 1997	4 4	ZX Break - Xantia SX Xantia SX Eng. XU5JP 1580 - 1761 cc.									
1997	4 4	Xsara 1.8i Berlingo 1.8i Eng. XU7JB - JP 1761 cc.									
1988	4	BX 19 16V Eng. D6A 1905 cc.	83	91540748 91540782	IN EX	R4456/SCR R4457/RCR	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
1995	4	Xantia X 1.8i 16V Eng. HU7JP4									
	4	Xantia SX 2.0i 16V Eng. XU10J4R 1998 cc.	86	96172597 96172795	IN EX	R6329/SCR* R6330/RCR*	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
1993 1995	4	ZX - Xantia VSX 16V XM 16V SX Eng. XU10J4R 1998 cc.									
1997	4	Xsara VTS 16V Eng. XU7JP4 1761 cc.	83	96172597 96172795	IN EX	R6329/SCR* R6330/RCR*	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
07-97/00	4	Xsara/Picasso 1.8 i 16V Eng. LFY-XU7JP4 1761 cc.	83	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1998	4	Xsara Picasso 2.0i 16V Evasion 2.0i 16V C5 2.0 16V	85	0948.99 0949.99	IN EX	R6113/S R6114/RCR	33.3 29	6 6	106.2 103.6	E E	45° 45
2001 2004		Jumpy 2.0 16V C4 2.0 16V Eng. EW10J4 1997 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3239 G3240 G3241 G3242	IN EX	38.7 45	8.01 8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.
	G3239 G3240 G3241 G3242	IN EX	38.7 45	8.01 8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.
0220-73 0221-19	G3536 G3537 G3538 G3539 G11027 G11028	IN EX IN/EX	40 40 40	7.01 7.01 7	12.06 12.11 12.06 12.11 12.06 12.11	B B B	C.I. C.I. C.I.
0220-73 0221-19	G3536 G3537 G3538 G3539	IN EX	40 40	7.01 7.01	12.06 12.11 12.06 12.11	B B	C.I. C.I.
0221.25 0221.26	G11158 G11223 G11159 G11225	IN EX	41 41	5.98 5.99	12.07 12.12 12.07 12.12	B G	C.I. C.I.
02130.12 02130.13	G11315 G11316 G11317 G11318	IN EX	40 40	6 6	12.07 12.12 12.07 12.12	B G	C.I. C.I.

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RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
	PI 06-0024	I


NOTE
 remarks




***R6329/SCR**
***R6330/RCR**
 Retainer stem
 end 2.2 mm

***R6329/SCR**
***R6330/RCR**
 Retainer stem
 end 2.2 mm

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001	4	C5 2.0 HPI Eng. EW10J4 Eng. RLZ 1998 cc.	85	0948.A7 0949.A7	IN EX	R6159/S R6160/BMCR	32.4 29.2	6 6	105 102.6	S S	45° 45°
1989 1993	4 4 4 4	XM Ambiance-Harmonie ZX Volcane 2.0i Xantia SX-VSX 2.0 IE XM VSX Turbo	86	96059361 96147032	IN EX	R4458/S R4459/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994	4	Evasion X-SX 2.0i Evasion SX-VSX Turbo Eng. XU10J2CTE 1998 cc.									
1997	4	Xsara VTS 16V Eng. XU10J4RS 1998 cc.	86	0948.82 0949.87	IN EX	R6060/S R6061/BMARCR	34 30.7	6 6	106.4 105.3	S S	45° 45°
1996 1995	4 4	ZX 2.0L 16V Xantia SX Eng. XU10J4R 1998 cc.	86	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
07-97/00	4	XM 2.0 i 16V Eng. RFV -XU10J4R 1998 cc.	86	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1998	4	Xsara 2.0 i 16V Eng. XU10J4R 1998 cc.	86	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
2002	4	C8 2.2 i 16V Eng. 3FZ 2231 cc.	86	0948.A1 0949.A2	IN EX	R6347/S R6348/RCR	35 31.1	6 6	106 102.8	S S	45° 45°
1995	4	Jumpy 1.6 Eng. 220A2.000 1581 cc.	86.4	7617500 5973128	IN EX	R4625/SCR R3324/RCR	39.5 31	8 8	108.5 109	EE EE	45° 45°
1983	4	CX 25 Break GTI CX 25 Familiare - Pallas CX 25 Prestige Eng. 25/659 2500 cc.	93	95600183 95562254	IN EX	R4460/S R3420/R	48.2 39	8 9	116.2 104.2	I I	45° 45°
1983	4	CX 25 GTI Turbo CX 25 Prestige Turbo Eng. M25/662 2500 cc.	93	95611049 95562254	IN EX	R4461/SCR R3420/R	44 39	8 9	114 104.2	I I	30° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
0220-85	G3340	IN	43.5	8.01	13.07	B	C.I.
	G3341				13.12		
0221.21	G3344	EX	51	8.01	13.07	B	C.I.
	G3345				13.12		
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
4250803	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	G2266				14.11		
DX12432 N-124-3	G2110	IN	60	8	13.06	G	C.I.
DX124102N-124-10	G2113	EX	44.5	8.98	13.06	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0024	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
9629316580-A	PI 06-0007	I
	PI 06-0024	I
4152447	PI 03-102	M


NOTE
 remarks

CITROËN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2005	4	C1 1.4 HDI	73.7	0948.C2	IN	R6149/SCR	32.8	5.5	97.5	I	45°
2003		C2 1.4 HDI		0949.B1	EX	R6150/BMCR	30.2	5.5	97.5	I	45°
2002		C3 1.4 HDI									
2003		Xsara 1.4 HDI									
2008		Nemo 1.4 HDI Eng. 8HX-8HZ(DV4TD) Eng. 8HR(DV4C) 1398 cc.									
2002	4	C3 1.4 HDI 16V Eng. 8HY(DV4TED4) 1398 cc.	73.7	0948.C4 0949.C1	IN EX	R6395/SCR R6396/BMCR	24.3 22.4	5.5 5.5	96.4 96.5	I I	45° 45°
1988	4	AX 14 RD -TRD Eng. TUD3 1361 cc.	75	95638449 96012815 95638450 96012816	IN EX	R4412/S R4413/RCR	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
		Stessa applicazione spessore testa maggiorato 1 mm.			IN EX	R4774/S R4775/RCR	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
2005	4	C3 1.6 HDI 16V Eng. 9HX-9HZ DV6TED4 1560 cc.	75	0948.C7 0949.C3	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2004	4	C4 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4	75	0948.C7 0949.C3	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2005		Berlingo 1.6 HDI 16V Eng. 9HX-9HY-9HZ DV6TED4 1560 cc.									
2004	4	C5 1.6 HDI 16V Eng. 9HZ-9HY(DV6TED4) 1560 cc.	75	0948.C7 0949.C3	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2004	4	Xsara Picasso 1.6 HDI 16V Eng. 9HZ-9HY(DV6TED4) 1560 cc.	75	0948.C7 0949.C3	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2011	4	DS5 1.6 HDI	75	0948.F7	IN	R6726/SCR	30.15	5.5	95.60	I	45°
2011		DS4 1.6 HDI		0949.F5	EX	R6727/RCR	27.5	5.5	95.50	I	45°
2010		DS3 1.6 HDI									
NEW		C3 1.6 HDI C4 1.6 HDI C5 1.6 HDI Eng. 9HP(DV6DTEd) 1560 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G3332 G3333 G3334 G3336 G3337 G3338	IN EX	40.2 43	7 7	13.07 13.12 13.17 13.07 13.12 13.17	B B	C.I. C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414 GS11413	IN/EX IN/EX	34 34	5.5 5.5	9.54 9.59 9.54	G SM	L L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
963237240 0942.42 0903.65 9636848280	PI 06-0019 RA06-914	I
963237240 0942.42 0903.J1	PI 06-0019 RA06-934	I
96027105	PI 03-105	M
963237240 0942.42 0903.67	PI 06-0019 RA06-934	I
963237240 0942.42 0903.66	PI 06-0019 RA06-934	I
963237240 0942.42 0903.66	PI 06-0019 RA06-934	I
963237240 0942.42 0903.66	PI 06-0019 RA06-934	I
963237240 0942.42	PI 06-0019 RA06-914	I


NOTE
 remarks

PI 06-0019
 Ball 8.3 mm

PI 06-0019
 Ball 8.3 mm

PI 06-0019
 Ball 8.3 mm

PI 06-0019
 Ball 8.3 mm

PI 06-0019
 Ball 8.3 mm

PI 06-0019
 Ball 8.3 mm

CITROËN DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1997	4	AX 15 DX - SX - VSX Saxo 1.5 D SX Xsara 1.5 D SX Eng. TUD5 1527 cc.	77	96150145 96150144	IN EX	R4821/S R4822/RCR	37 31.5	7 7	108.4 108.2	E E	45° 45°
1984 1986 1991	4	BX 17 RD - C1 15 D Visa 17D - RD ZX Reflex Eng. 161A XUD7 1769 cc.	80	93501279 96137360 93510773 93510774 93501280	IN EX EX	R3987/S R4810/RCR R3988/RCR	38 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1984/86	4	C15 1.7 D Eng. 161A-XUD7 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	R4243/SCR R4810/RCR R3988/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1986/97	4	C15 1.7 D Eng. 161A-A9A-XUDT 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	R4243/SCR R4810/RCR R3988/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988	4	BX DTR Eng. XUD7-TE Turbo D 1769 cc.	80	96005391 6005392	IN EX	R4883/RCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1993 1993 1994 1996 1993 1994	4 4	ZX Break 1.7 Berlingo Eng. XUD7 1769 cc. ZX Break 1.9 Xantia 1.9 Berlingo 1.9 Xantia S/SX Jumpy 1.9D Eng. XUD9A - B - L 1905 cc.	80 83	93510415 93510773 93510774 93501280 0949.73	IN EX EX	R4243/SCR R3988/RCR R4810/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1992/94	4	C25 1.9 TD Eng. 280A1.000 1929 cc.	82.6	7547158 7588577	IN EX	R4627/RCR R4626/RCR	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°
1997	4	Berlingo - Jumpy - Xsara Eng. DW8 1868 cc.	82.8	0948.94 0949.73	IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1983	4	BX 19 D - RD - TRD Eng. XUD9 1905 cc.	83	93501279 96137360 93510773 93510774 93501280	IN EX EX	R3987/S R4810/RCR R3988/RCR	38 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	BX 19 D - RD - TRD Eng. XUD9 2088 cc.	83	93510415	IN	R4243/SCR	38.5	8	112.4	E	45°
				96137360	EX	R4810/RCR	33	8	112	E	45°
				93510773	EX	R3988/RCR	33	8	112	E	45°
				93510774 93501280							
1993	4	ZX Advantage-Aura TD Xantia X-SX-VSX TD Evasion SV-X-SX TD Jumpy - Xsara SX Eng. XUD9TE 1905 cc.	83	96005391	IN	R4883/RCR	38.5	8	112.4	E	45°
1997				96272853	EX	R3988/RCR	33	8	112	E	45°
1997	4	Xsara 1.9D Eng. XUD9BSD 1905 cc.	83	0948.94 0949.73	IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1989	4	XM 2.1 TD 12V Eng. XUD11A	85	96008334	IN	R4623/SCR	33.9	8	122.3	I	45°
1995	4	Xantia 2.1 TD 12V Evasion 2.1TD 12V Eng. XUD11BTE 2088 cc.		96079213	EX	R4624/BMARCR	33.9	8	121.9	I	45°
1998	4	Xantia - Xsara 2.0 TD Eng. DW 10 1997 cc.	85	0948.95	IN	R6092/SCR	35.6	6	107.1	I	45°
				0949.96	EX	R6093/BMCR	33.8	6	107.1	I	45°
1999	4	Evasion 2.0 HDI Eng. RHZ (DW10ATED)	85	0948.95	IN	R6092/SCR	35.6	6	107.1	I	45°
1999		Xantia 2.0 HDI		0949.96	EX	R6093/BMCR	33.8	6	107.1	I	45°
1999		Xsara Picasso 2.0 HDI Eng. RHY-RHZ									
		Eng. DWTD/ATED									
1999		Jumpy 2.0 HDI Eng. RHY-RHX-RHZ									
2001		Eng. DW10TD/ATED/BTED C5 2.0 HDI Eng. RHZ (DW10ATED) 1997 cc.									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2001	4	C5 2.0 HDI 16V Evasion 2.0 HDI 16V Eng. RHS-RHW Eng. DW10ATED4 FAP	85	0948.C0 0949.A9	IN EX	R6161/SCR R6162/BMCR	29.9 25	6 6	106.2 106.1	I I	45° 45°
2001		Jumpy 2.0 HDI 16V Eng. RHS Eng. DW10ATED4 FAP									
2002		C8 2.0 HDI 16V Eng. DW10ATED4 FAP Eng. DW10ATED4-RHS Eng. RHS-RHW-RHX-RHY Eng. RHZ Eng. DW10BTED4 1997 cc.									
2004	4	C4 2.0 HDI 16V C5 2.0 HDI 16V Eng. RHR(DW10BTED4) 1997 cc.	85	0948.A3 0949.A3	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°
2007	4	Jumpy 2.0 HDI 16V Eng. RHK-RHR DW10UTED4/BTED4 1997 cc.	85	0948.A3 0949.A3	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°
2011 NEW	4	DS4 2.0 HDI 16V DS5 2.0 HDI 16V Eng. RHH (DW10CTED4) 1997 cc.	85	0948.F6 0949.A3	IN EX	R6724/SCR R6164/BMCR	27.25 25	6 6	104.5 105	I I	45° 45°
	4	Jumper 2.2 HDI Eng. DW12TED 2179 cc.	85	0948.95 0949.96	IN EX	R6092/SCR R6093/BMCR	35.6 33.8	6 6	107.1 107.1	I I	45° 45°
2001 2002	4	C5 2.2 HDI 16V C8 2.2 HDI 16V Eng. 4HX-4HW Eng. DW12TED4 FAP 2179 cc.	85	0948.A3 0949.A3	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°
2008	4	C5 2.2 HDI 16V C8 2.2 HDI 16V Eng. 4HT (DW12BTED4) 2179 cc.	85	0948.E5 0949.E1	IN EX	R6595/SCR R6596/BMCR	27.2 25	6 6	95.80 95	I I	45° 45°
2006	4	Jumper 2.2 Hdi 100 Eng. 4HV (P22DTE) 2198 cc.	86	0948.E6 0949.E3	IN EX	R6508/SCR R6509/RCR	29.8 25.8	7 7	122.3 122.1	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A1	GS11396	IN/EX	42.5	6	12.06	SM	C.I.
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A1	GS11396	IN/EX	42.5	6	12.06	SM	C.I.
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	G11396 G11397	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A2	G11319 G11320 GS11319	IN/EX	41.5	6	10.06 10.11	G	L
	G11569 G11570	IN/EX	51.5	6.96	12.06 12.10	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.49 0903.69 0903.60	PI 06-0039 RA06-915 PI 06-0019 RA06-913	I I
0942.49 0903.69	PI 06-0039 RA06-915	I
0942.49 0903.69	PI 06-0039 RA06-915	I
963237240 0949.42 0903.64	PI 06-0019 RA06-913	I
0942.49 0903.69	PI 06-0039 RA06-915	I


NOTE
remarks

RA06-915
L58.4
RA06-913
L46 DIA R 17MM
PI 06-0019
ONLY ENG. RHS-RHX
ENG. RHY-RHZ
PI 06-0039
ONLY ENG. RHW

RA06-915
L58.4

RA06-915
L58.4





PI 06-0019
Ball 8.3 mm
RA06-913
L46 DIA R 17 MM

RA06-915
L58.4

CITROËN DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1975/78	4	CX 2500 D Eng. M22/621 2175 cc.	90	5478734G 5457479	IN EX	R3517/SCR R3518/BMCR	42	8	121.5	I	45°
							35	9	121.5	I	45°
1995	4	XM TD 2.5 12V VSX Eng. DK5-ATE Turbo 2446 c.c.	92	96095457 96304239 96096146	IN EX	R4944/SCR R4945/RCR	36.9	7	127.9	I	45°
							36.9	7	127.5	I	45°
1994	4	Jumper 2.5 D 12V Eng. T9A-DJ5 Jumper 2.5 TD 12V Eng. T8A-THZ-DJ5T 2446 cc.	92	96095457 96304239 96096146	IN EX	R4944/SCR R4945/RCR	36.9	7	127.9	I	45°
							36.9	7	127.5	I	45°
2001	4	Jumper 27 2.5 TD Eng. DJ5TED 2446 cc.	92	0948.84 0949.90	IN EX	R6151/SCR R6152/RCR	41	7	115.7	I	45°
							37.8	7	115.5	I	45°
2000	4	Jumper 2.8 HDI Eng. 8140.43S 2798 cc.	94.4	0948.A2 0949.A0	IN EX	R3989/RNT R4887RNT	41	8	120.7	EE	30°
							36	8	122	EE	45°
2004	4	Jumper 2.8 HDI Eng. 8140.43N 2798 cc.	94.4	0948.A2 0949.A0	IN EX	R3989/RNT R4887/BMCR	41	8	120.7	EE	30°
							36	8	122	EE	45°
2007	4	Jumper 3.0 HDI Eng. F1CE0481A 2998 cc.	95.8	504072531 504081062	IN EX	R6368/SCR R6369/BMCR	32.4	6	120	I	30°
							32.4	6	119.95	I	30°

CUMMINS

	4	4B & 4BT Turbo D 3.9 L	102	3920867	IN	R4958/SCR	45	8	129.2	EE	30°
	6	6B & 6BT Turbo D 5.9 L		3802005							
	6	6C Series 8.3 L	114.05	3802355	EX	R4959/BMCR	42	8	129	EE	45°
				3901117							
				3802356							
				3901607							
	6	6C Series 8.3 L	114.05	3924492	IN	R4956/SCR	52	9.5	151	EE	30°
				3802275							
	6	NH 180 - NH 195 L6	123.8	3802463	EX	R4957/BMCR	46	9.5	151	EE	45°
				3921444							
	6	NH 180 - NH 195 L6	123.8	3802085	EX	R6022/BM R6022/BM	44.5	10.30	179	K	30°
				150288							
				144911	EX		44.5	10.30	179	K	30°

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
	6	NH 230 - 230B - 250 NH 250 B-C-P NHC 250 - NHD 230 NHE 220 - 225 - 225B NHF 240 - 265 NHH 250 - NHCT NTCC 250S - 290 - 350 NT 270 - 280 - 300 NT 310 - 335 - 400 NTA 370 - 400 - 420 NTC 230 - 250 - 280 NTC 335 - 350 - 400 NTCC 400 - NTF 365 9640 cc.	139.7	135957 3000926 145701 3040830 145701	IN EX	R6327/S R4671/BMARCR	47.5 47.5	11.5 11.5	179.5 179.5	K K	30° 30°
	6	NTA 380 14011 cc.	139.7	3040830 145701	IN	R4671/BMARCR	47.5	11.5	179.5	K	30°
	V12	V - VT - VTA 23171 cc.		3040830 145701	EX	R4671/BMARCR	47.5	11.5	179.5	K	30°
	6/12	K Series KTA model. 5760 cc.	159	207241 3035110	IN EX	R6328/S R4750/BMCR	56.4 56.4	12.6 12.6	191.8 191.8	M M	30° 30°

DACIA

2008	4	Sandero 1.2 16V Eng. D4F 1149 cc.	69	7701472986 7701473004	IN EX	R6177/S R6178/BM	26 22	5.5 5.5	110.7 112.5	I I	45° 45°
2004 2008	4	Logan 1.4 i Sandero 1.4 i 1390 cc. Eng. K7J-710 1390 cc.	79.5	7701465088 7701465090 7701468149	IN EX	R4574/S R4575/RCR	37.5 33.6	7 7	107.8 107.8	E E	30° 45°
2004 2012	4	Logan 1.6 i Sandero 1.6 i Eng. K7M-710 Logdy 1.6 i Eng. K7MA8 1598 cc.									
2010	4	Duster 1.6 16V Eng. K4M690/696 1598 cc.	79.5	7701471378 7701471379 7701473354	IN EX	R6029/S R6030/R	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		

DACIA DIESEL

2005	4	Logan 1.5 DCI	76		IN	R6185/S	33.5	6	100.95	I	45°
2009		Sandero 1.5 DCI			EX	R6186/BM	29	6	100.75	I	45°
2010		Duster 1.5 DCI									
2012		Logdy 1.5 DCI Eng. K9K.792 1461 cc.									

DAEWOO see » CHEVROLET

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DAF

1969	6	Series 1600 - 1800 Eng. DF615 Series 1300-1500-1600 Eng. DTD/DT615 Turbo 6170 cc.	104.175	257263 517472 257265	IN EX	R4560/SCR R4561/RCR	42 39.3	8.7 8.6	141 140.8	EE EE	30° 30°
2002	4	LF 45 Eng. LF 45.130/150/170 LF 45.180 3920 cc.	114	1404919 1404918	IN EX	R6500/SCR R6501/BMCR	33 33	7 7	124.6 124.2	EE EE	30° 45°
	6	LF 55 Eng. LF 55.220/250 5880 cc.									
1989/93	6	Serie FA 2700 HS Eng. HS 825 TURBO 8250 cc.	118	394838 394839	IN EX	R6401/BMCR R6402/BMCR	50 45.5	10 10	157.9 157.9	S S	30° 30°
1992/98	6	Series FA 75.240/270/300 Eng. RS180/200/222 L/M 8650 cc. Turbo	118	394838 394839	IN EX	R6401/BMCR R6402/BMCR	50 45.5	10 10	157.9 157.9	S S	30° 30°
2004	6	CF75.310 CF75.360 9200 cc.	118	1345509 1352127	IN EX	R6583/SCR R6584/BMCR	40.5 37	9 9	158 154.4		20° 45°
1969/76	6	Serie AT 2400 Eng. DKA - DKL 1160 Serie AT 2400 FA Eng. DKB 1160	130	267356 267357	IN EX	R4511/BMCR R4512/BMCR	55 48	11 11	152 150	EE EE	30° 30°
1973	6	Serie FA-FT 2600 Eng. DKT 1160 Series FA - FAT 2800 Eng. DKS 1160 Turbo 11630 cc.									
1973	6	FA 2805 Eng. DKV 1160 Turbo	130	266305 266306	IN EX	R4513/BMCR R4514/BMICR	54.9 50	11 11	175 175	EE EE	30° 30°
1984/88	6	FA - FAG 3305 Eng. DKX 1160 Ati Turbo 11630 cc.									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988/91	6	Serie FA/FT 95.130 ATI Serie 95.350 ATI Serie 95.380 ATI Eng. WS225-WS259 Eng. WS 282 11630 cc.	130	1259989	IN	R6218/BMCR	54.7	11	175	S	30°
				1254382	EX	R6219/BMCR	49.8	11	175	S	30°
2004	6	XF 250 M4V Euro 2 XF 315 M4V Euro 2 XF 355 M4V Euro 2 12583 cc.	130	1307654	IN	R6220/SCR	45.5	9	163.6	EE	30°
				1327029	EX	R6221/BMCR	42.5	9	158.7	EE	30°
1998	6	85 CF 24V 95 XF24 V Eng. XF Euro 2 / Euro 3 12580 cc.	130	1342220	IN	R6488/SCR	45.5	9	163.7	EE	20°
				1362696	EX	R6489/BMCR	42.5	9	158.6	EE	45°
2004	6	CF85.430 XF95.430 12600 cc.	130	1603846	IN	R6582/SCR	45.5	9	163.7	EE	20°
				1684773	EX	R6489/BMCR	42.5	9	158.6	EE	45°

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1997	3	Move Eng. ED-20 847 cc.	66.6	13711-87202	IN	R6637/SNT	34	7	111.1	EE	45°
				13715-87202	EX	R6638/RNT	28	7	110.6	EE	45°
1979	2	Cuore - Hijet Atrai Wide Cab Eng. AB/CB 547 cc.	71.6	13711-87701	IN	R4676/SNT	36	7	101.6	EE	45°
				13715-87701	EX	R4677/RNT	33	7	101.6	EE	45°
1977	3	Charade 1000 Eng. CB 993 cc.	76								
2000	3	Cuore 1.0 Eng. EJ-DE 12V 989 cc.	72	13711-97205	IN	R6226/SNT	24.5	5	79.2	S	45°
				13715-97203	EX	R6227/RNT	21.1	5	79.8	S	45°
2000	4	Sirion 1.3 i 16V YRV 1.3 i 16V Terios 1.3 i 16V Eng. K3-VE 1298 cc.	72	13711-97401	IN	R6228/SNT	26	5	88.2	S	45°
				13711-23030	EX	R6229/RNT	22.6	5	89.2	S	45°
1988	4	Charade 1.3 16V Terios 1.3 16V Eng. HCE 1295 cc.	76	13711-87103	IN	R6224/SNT	30	6.6	112.7	EE	45°
				13711-87104	EX	R6225/RNT	26	6.6	114.5	EE	45°
1999	4	Feroza 16V Charade 16V Rocky 16V 1589 cc.	76	13711-87103	IN	R6224/SNT	30	6.6	112.7	EE	45°
				13711-87104	EX	R6225/RNT	26	6.6	114.5	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
2664525	G11321	IN/EX	75	11.07	17.05	G	C.I.
1313683	G11322	IN/EX	77	9	15.06	G	L
	G11322	IN/EX	77	9	15.06	G	L
	G11322	IN/EX	77	9	15.06	G	L
11124-87701	G3173 G3358 G3359	IN/EX	50	6.99	12.06 12.11 12.16	G	L
11124-87701	G3173 G3358 G3359	IN/EX	50	6.99	12.06 12.11 12.16	G	L
11122-21010	G11364	IN/EX	34.5	5	9.74	G	L-X
	GS11364	IN/EX	34.5	5	9.74	G	L-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
13801-87702	RA06-921	
13812-87102	RA06-923	EX
13813-87102	RA06-924	EX
13811-87104	RA06-922	IN
13814-87102	RA06-925	IN





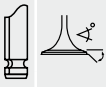
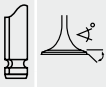
NOTE
remarks

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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
DAIHATSU DIESEL											
1983	3	Charade 1000 D Eng. CL 993 cc.	76	13711-87704	IN	R4462/SNT	35	7	105	EE	45°
				13715-87703	EX	R4463/RNT	32	7	105	EE	45°
FIAT											
1966	4	124 Berlina Eng. 124		4132069	IN	R3175/S	34.5	8	99.5	M	45°
				4147475	EX	R3176/R	31	8	100	M	45°
1974/82	4	127 L - CL - 127 Special 900 E - Fiorino Panda 45 Eng. A112 - 127 A 903 cc.	65	4265695	IN	R3561/SCR	29	7	95.5	EE	45°
				4266321	EX	R3359/RCR	26	7	95.5	I	45°
				4377979	EX	R3551/RCR	26	7	95.5	EE	45°
1986/90	4	Panda 45 - Panda 900 Uno 45 - Uno 45 S - ES 900 E - Fiorino Eng. 146.4 - M20.AA 903 cc. Panda 4X4 Eng. A112A 965 cc.	65	5959564	IN	R3745/SCR	29	7	95.5	EE	45°
			67.2	5959563	EX	R3746/RCR	26	7	95.5	EE	45°
1991/98	4	Cinquecento 900 Cinquecento 900 ie Panda 900 ie Seicento 900 ie Eng. 1170A1.046 Eng. 1170A1.000 899 cc.	65	46407749	IN	R3745/SCR	29	7	95.5	EE	45°
5959564				EX	R3746/RCR	26	7	95.5	EE	45°	
5959563											
1992/00				5973130							
1998/00				7783841							
1985/92	4	Panda 750 Panda 750 L-CL - Super Panda 750 Young Eng. 156A Fire 769 cc.	65	7537668	IN	R4176/SCR	26.5	7	97	EE	45°
				7537667	EX	R4177/RCR	23.5	7	97	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
550-610-301	G3174 G3360 G3361	IN/EX	45	6.99	12.06 12.11 12.16	G	L
4130546	G2223	IN	44.5	8.03	14.06	G	L
4130547	G2227	EX	48	8.03	14.06	G	L-Z
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I
4265699 4372331	G2196 G2197 GS2196	IN/EX IN/EX	42.5 42.5	7.03 7.03	13.04 13.09 13.04	G SM	C.I C.I
4265699 4372331	G2196 G2197 GS2196	IN/EX IN/EX	42.5 42.5	7.03 7.03	13.04 13.09 13.04	G SM	C.I C.I

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4642782	PI 06-0015*	I


NOTE
remarks

DAIHATSU D.
FIAT
*06-0015 Ø 12

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985	4	Uno 45 Fire Eng. 156A2.000 999 cc. Panda 1000	70	5942727	IN	R4168/SCR	30.4	7	97.1	EE	45°
				7666228	EX	R4169/RCR	27.3	7	97.2	EE	45°
1986		Panda 1000 4x4 Eng. 156 A3.000 - Fire 999 cc.		5942728							
1986/89		Tipo 1.1 - Uno 60 1.1 Eng. 156A3.000 - Fire 1108 cc.		7666227							
1986		Panda 1.1ie Panda 1.1 ie 4x4 Eng. 160A3.000 - Fire 1108 cc.									
1993		Punto 55 1.1 - 6 Speed Punto 55 1.1S-SX-ED Eng. 176A6.000 1108 cc.									
1995	4	Panda 1.1 ie Eng. 176B2.000	70	7770334	IN	R4686/SCR	31.5	7	97.1	EE	45°
1995/04		Panda 1.1 ie Eng. 187A1.000 Up to eng. N. 2533527		46436048							
				46553046	EX	R4169/RCR	27.3	7	97.2	EE	45°
1998	4	Seicento 1.1 ie Eng. 176B2.000 Eng. 187A1.000 Up to eng. N. 2543170 1108 cc.		5942728							
				7666227							
				46514754							
				46553047							
2004	4	Panda 1.1 ie Eng. 187A1.000	70	55194993	IN	R6411/SCR	31.9	5	98.4	I	45°
				55194994	EX	R6412/BMCR	27.3	5	98.7	I	45°
		From eng. N. 2533528									
2004	4	Seicento 1.1 ie Eng. 187A1.000 From eng. N.2543171 1108 cc.		55194246	IN	R6624/SARCR	31.9	5	98.4	I	30°
				55194247	EX	R6625/BMARNT	27.3	5	98.7	I	30°
1993	4	Punto 60 1.2 S - SX Eng. 176A6.000 1242 cc.	70.8	5942727	IN	R4168/SCR	30.4	7	97.1	EE	45°
				7666228							
				5942728	EX	R4169/RCR	27.3	7	97.2	EE	45°
				7666227							

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape				
			L	d	D						
4265699 4372331	G2196	IN/EX	42.5	7.03	13.04	G	C.I				
	G2197				13.09						
7765039 7780108	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I				
	G3554	IN/EX			40.4			7.03	13.04	G	C.I.
	G3586								13.07		
	GS3554	IN/EX	40.4	7.03	13.04	SM	C.I.				
4265699 4372331	G2196	IN/EX	42.5	7.03	13.04	G	C.I				
	G2197				13.09						
55190559	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I				
	G11425	IN/EX			44			5.00	10.03	G	C.I.
	G11426								10.08		
	GS11425	IN/EX	44	5.00	10.03	SM	C.I.				
	G11440*	IN/EX	44	5.00	10.03	B	C.I.				
4265699 4372331	G2196	IN/EX	42.5	7.03	13.04	G	C.I				
	G2197				13.09						

**PI PUNTERIE · LIFTERS
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
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	PI 03-105	M
5942273 60503405 60816361	PI 03-105	M
55200250	PI 03-110	M
5942273 60503405 60816361	PI 03-105	M


NOTE
remarks

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***G11440**
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VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	4	Punto 75S - SX - Punto 75EL - ELX Eng. 176A8.000 1242 cc.	70.8	7770334 46436048 5942728 7666227	IN	R4686/SCR	31.5	7	97.1	EE	45°
2003	4	Nuova Panda 1.2 8V Eng. 188A4.000 Up to Eng. N. 2533527 1242 cc.	70.8	46514754							
2001/03	4	Doblò 1.2 ie Eng. 22A5.000 Up to Eng. N. 2533527 1242 cc.									
2004	4	Panda 1.2 ie Punto 1.2 ie Eng. 188A4.000 From eng. N. 2533528 1242 cc.	70.8	55194993 55194994	IN	R6411/SCR	31.9	5	98.4	I	45°
2004	4	Doblò 1.2 ie Eng. 22A5.000 From eng. N. 2533528 1242 cc.	70.8	55194246 55194247 Natural Power Engine	IN	R6624/SARCR	31.9	5	98.4	I	30°
1998	4	Brava 1.2 ie 16V Bravo 1.2 ie 16V Marea 1.2 ie 16V Palio 1.2 ie 16V Punto 1.2 ie 16V Stilo 1.2 ie 16V Eng. 182B2.000 Eng. 188A5.000 Eng. 176B9.000 1242 cc.	70.8	46403681 46553048 46471639 46553049	IN	R4876/SCR	26.8	6	95	I	45°
1998											
2002/04	4	Idea 1.2 ie 16V Punto 1.2 ie 16V Eng. 188A5.000 Until eng. N. 985540 1242 cc.	70.8	46471639 46553049	EX	R4877/RCR	22.4	6	96.2	I	45°
1997/99											
2004	4	Idea 1.2 ie 16V Eng. 188A5.000 From eng. N. 985541 1242 cc.	70.8	55185028 55185080	IN	R6506/SCR	26.8	6	95.2	I	45°
2006	4	Grande Punto 1.2 ie Eng. 199A4.000 1242 cc.	70.8	55194219 55200422 Natural Power Engine	IN	R6502/SCR	33.3	5	99.9	I	45°
					IN	R6626/SARCR	33.3	5	99.9	I	30°
					EX	R6627/BMARNT	28.1	5	100.5	I	30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I
	GS2196	IN/EX	42.5	7.03	13.04	SM	C.I
7765039 7780108	G3554 G3586	IN/EX	40.4	7.03	13.04 13.07	G	C.I.
	GS3554	IN/EX	40.4	7.03	13.04	SM	C.I.
55190559	G11425 G11426 GS11425 G11440*	IN/EX IN/EX IN/EX	44	5.00	10.03 10.08 10.03 10.03	G SM B	C.I. C.I. C.I.
46518800	G11069 G11070 G11071 GS11069	IN/EX IN/EX IN/EX	40	6.02	10.04 10.08 10.24 10.04	G SM	C.I. C.I.
46518800	G11069 G11070 G11071 GS11069	IN/EX IN/EX IN/EX	40	6.02	10.04 10.08 10.24 10.04	G SM	C.I. C.I.
73500256	G11069 G11070 G11071 GS11069	IN/EX IN/EX IN/EX	39.7	6.02	10.03 10.07 10.24 10.03	G SM	C.I. C.I.
55190559	G11425 G11426 GS11425 G11440*	IN/EX IN/EX IN/EX	44	5.00	10.03 10.08 10.03 10.03	G SM B	C.I. C.I. C.I.

**PI PUNTERIE · LIFTERS
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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	PI 03-105	M
55200250	PI 03-110	M
46448011 46765629	PI 06-0002	I
46448011 46765629	PI 06-0002	I
55193839	PI 06-0033	I
55202354	PI 03-110	M


NOTE
remarks

***G11440**
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FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	4	500 1.2 8V Eng. 169A4000 1242 cc.	70.8	55194219	IN	R6502/SCR	33.3	5	99.9	I	45°
				55229143 55200422 55229144	EX	R6503/BMCR	28.1	5	100.5	I	45°
2004 2003/04 2004	4	Idea 1.4 ie 16V Punto 1.4 ie 16V Stilo 1.4 ie 16V Eng. 843A1.000 Eng. 192B2.000 Until eng. N. 984712 1368 cc.	72	46403681 46471639	IN EX	R4876/SCR R4877/RCR	26.8 22.4	6 6	95 96.2	I I	45° 45°
2005	4	Idea 1.4 ie 8V Doblò 1.4 ie 8V Eng. 350A1.000 1368 cc.	72	55194219	IN	R6502/SCR	33.3	5	99.9	I	45°
				55200422	EX	R6503/BMCR	28.1	5	100.5	I	45°
				55198341	IN	R6626/SARCR	33.3	5	99.9	I	30°
				55198342	EX	R6627/BMARNT	28.1	5	100.5	I	30°
				Natural Power Engine							
2005	4	Idea 1.4 ie 16V Stilo 1.4 ie 16V Eng. 843A1.000 Eng. 192B2.000 From eng. N. 984713 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55185080	EX	R6507/RCR	22.5	6	94.7	I	45°
2006	4	Grande Punto 1.4 ie Eng. 199A7.000 1368 cc.	72	55194219	IN	R6502/SCR	33.3	5	99.9	I	45°
				55200422	EX	R6503/BMCR	28.1	5	100.5	I	45°
				55198341	IN	R6626/SARCR	33.3	5	99.9	I	30°
				55198342	EX	R6627/BMARNT	28.1	5	100.5	I	30°
				Natural Power Engine							
2006	4	Grande Punto 1.4 ie 16V Eng. 199A6.000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55185080	EX	R6507/RCR	22.5	6	94.7	I	45°
2007	4	500 1.4 ie 16V Eng. 169A3000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55185080	EX	R6507/RCR	22.5	6	94.7	I	45°
2008	4	Grande Punto 1.4 T 16V Bravo 1.4 Turbo 16V Eng. 198A1000 Eng. 198A4000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55206233	EX	R6589/BMARCR	22.4	6	94.7	I	45°
2008	4	500 Abarth 1.4 T 16V Eng. 199A8000 1368 cc.	72	55185028	IN	R6506/SCR	26.8	6	95.2	I	45°
				55206233	EX	R6589/BMARCR	22.4	6	94.7	I	45°
2010 NEW	4	Doblò 1.4 GPL Eng. 198A4.000 1368 cc.	72	55225886	IN	R6758/SARCR	26.8	6	95.2	I	30°
				55225887	EX	R6757/BMARNT	23	6	94.9	I	30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55190559	G11425	IN/EX	44	5.00	10.03	G	C.I.
	G11426				10.08		
	GS11425	IN/EX	44	5.00	10.03	SM	C.I.
46518800	G11069	IN/EX	40	6.02	10.04	G	C.I.
	G11070				10.08		
	G11071				10.24		
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425	IN/EX	44	5.00	10.03	G	C.I.
	G11426				10.08		
	GS11425	IN/EX	44	5.00	10.03	SM	C.I.
	G11440*	IN/EX	44	5.00	10.03	B	C.I.
73500256	G11069	IN/EX	39.7	6.02	10.03	G	C.I.
	G11070				10.07		
	G11071				10.24		
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425	IN/EX	44	5.00	10.03	G	C.I.
	G11426				10.08		
	GS11425	IN/EX	44	5.00	10.03	SM	C.I.
	G11440*	IN/EX	44	5.00	10.03	B	C.I.
73500256	G11069	IN/EX	39.7	6.02	10.03	G	C.I.
	G11070				10.07		
	G11071				10.24		
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	G11069	IN/EX	39.7	6.02	10.03	G	C.I.
	G11070				10.07		
	G11071				10.24		
	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
	G11514*	IN/EX	39.7	6.02	10.03	B	C.I.
73500256	GS11069	IN/EX	39.7	6.02	10.03	SM	C.I.
	G11514*	IN/EX	39.7	6.02	10.03	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
55223431		
46448011 46765629	PI 06-0002	I
55202354	PI 03-110	M
55193839	PI 06-0033	I
55202354	PI 03-110	M
55193839	PI 06-0033	I
55193839	PI 06-0033	I
55193839	PI 06-0033	I
55193839	PI 06-0033	I
55193839	PI 06-0033	I


NOTE
remarks

***G11440**
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***G11440**
VERSIONE BRONZO

***G11514**
VERSIONE BRONZO

***G11514**
VERSIONE BRONZO

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓						
							D	d	L				
1972/75	2	500 R - 126 Eng. 126A 594 cc.	73.5	4062108 4294099	IN EX EX	R1430/N R3435/R R3436/RCR	32	8	115.5	D	45°		
							28	8	115.5	I	45°		
							28	8	115.5	I	45°		
1967	2	500 D Giardiniera 500 D - F - L Eng. 110 D/F 499 - 594 cc.	97.4	4062108	IN	R1430/N	32	8	115.5	D	45°		
			73.5	4094941 4146638 4374855	EX	R3243/R	28	8	115.5	D	45°		
1977	4	127 C - CL 127 L - Fiorino 127 Panorama 147 Eng. 127A.000 1049 cc.	76	4340118 4340119	IN	R3528/SCR	34	8	110.5	EE	45°		
					EX	R3529/RCR	29	8	110.5	EE	45°		
1978	4	127 Sport 70HP Ritmo 60L 1049 cc. Duna 60 Nuovo Fiorino Eng. 146A9.000 1116 cc. Duna 70 Eng. 146A5.000 1301 cc.	76	4412816 4412822 4340119	IN	R3592/SCR	36.5	8	110	EE	45°		
EX					R3529/RCR	29	8	110.5	EE	45°			
1987													
1988													
1978	2	126 - 650 Personal Eng. 126A 652 cc. 126 - Bis Eng. 126A2 704 cc.	77	4374855 5977214	IN	R3548/NCR	33	8	115.5	D	45°		
					EX	R3549/RCR	28	8	115.5	D	45°		
1980/86	2	Panda 30 L - CL - Super 126 FSM Eng. 141A000 652 cc.	77	5976236 4400640 4374855 5977214	IN	R3600/SCR	34	8	115.5	D	45°		
					EX	R3549/RCR	28	8	115.5	D	45°		
2006	4	Sedici 1.6 16V Eng. M16A 1586 cc.	78	71742050 71747245	IN	R6212/SNT	30	5.5	101	EE	45°		
					EX	R6213/RNT	25	5.5	99	EE	45°		
2005	4	Stilo 1.6 ie PDA 16V Eng. 192B30 1598 cc.	79	55557862 71739797	IN	R6366/SCR	31.2	5	117.2	I	45°		
					EX	R6367/BMCR	27.5	5	116.2	I	45°		


 NOTE
remarks

FIAT

**GUIDAVALVOLE
VALVE GUIDES**






N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4311899 4371545	G2188 G2189	IN/EX	59	8.03	14.07 14.12	G	L
987064	G2169 G2170 G2171	IN/EX	58	8.03	13.07 13.10 13.17	B	L
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4311899 4371545	G2188 G2189	IN/EX	59	8.03	14.07 14.12	G	L
5924098 5924099 5924411 5924412	G2842 G2843 G2846 G2847	IN EX	57.5	8.03	14.07 14.12 14.07 14.12	G G	C.I. L
11115-54G00-001	G11470 GS11470	IN/EX	40	5.5	10.57	G	C.I.-X
		IN/EX	40	5.5	10.57	SM	C.I.-X
642014	G11479 G11480 GS11479	IN/EX	37	5	10.03 10.06	G	C.I.
		IN/EX	37	5	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/71	4	128 - 128 Special 128 Sport Eng. 128	80	4212771	IN	R3323/SCR	36	8	108.5	EE	45°
1978/80		Regata 60 - Ritmo 60 Eng. 138		4239917	EX	R3324/RCR	31	8	109	EE	45°
1980/86		Ritmo 50 CL Ritmo 60 L - CL Eng. 146		4190307							
1983/85		Nuova Ritmo E.S.		4286929							
1978/85		Uno 55 Eng. 138		4315062							
1985/86		Uno 60 - UNO 60 S -SL Eng. 146		4239918							
		1116 cc.		5973128							
2012 NEW	2	500 0.9 Twin Air Eng. 199B6.000	80.5	55229666	IN	R6789/SCR	30.14	5	95.5	I	45°
2012	2	Panda 0.9 Twin Air Eng. 312A4.000 Eng. 312A2.000		55231897	EX	R6790/BMCR	25.3	5	95.3	I	45°
		875 cc.									
1988	4	Tipo 1400 Eng. 160A1.000	80.5	7609772	IN	R4252/SCR	37.5	8	108.5	EE	45°
1989		Uno 70 ie Eng. 146C1.000		4315062	EX	R3324/RCR	31	8	109	EE	45°
1990		Tempra SX - SW Eng. 159A2.000		4239918							
		1372 cc.		5973128							
1985/89	4	Uno ie Turbo Eng. 146A8.000/A8.046	80.5	7565812	IN	R4170/RCR	36	8	108	I	45°
1993		Punto GT Turbo Eng. 176A4.000 Eng. 176B6.000		7574881	EX	R4171/RCR	33	8	109	I	45°
		1372 cc.									
1999	4	Marea 1.6 ie 16V	80.5	46761369							
1999/04		Palio 1.6 ie 16V		46517325							
2001		Stilo 1.6 16V Eng. 182B6.000 103CV		55192067	IN	R6153/SCR	30.4	7	102.5	EE	45°
		1596 cc.		46761370	EX	R6154/RCR	29.8	7	102.5	EE	45°
				46451209							
				55196738							
1999/04	4	Multipla 1.6 ie 16V Bipower/Blupower Eng. 182B6.000 103CV	80.5	46761369	IN	R6153/SCR	30.4	7	102.5	EE	45°
		1596 cc.		55192067	EX	R6154/RCR	29.8	7	102.5	EE	45°
				46761370							
				55196738							
2001/04	4	Doblò 1.6 ie 16V Bipower/Natural Power Eng. 182B6.000	80.5	55192067	IN	R6153/SCR	30.4	7	102.5	EE	45°
		1596 cc.		55196738	EX	R6154/RCR	29.8	7	102.5	EE	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236 GS2235	IN/EX IN/EX	46.5	8.03	14.06 14.11 14.06	G SM	C.I. C.I.
5997546	G2243 G2244	IN/EX	46.5	8.03	14.06 14.11	B	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007 GS2196 GS3531	IN EX IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08 13.04 13.03	G G SM SM	C.I. C.I. C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I


NOTE
 remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1995/96	4	Brava 1.4 ie S - SX - 12V Bravo 1.4 ie S - SX - 12V Eng. 182A3.000 Eng. 182A5.000 1370 cc.	82	7712114 46413334	IN EX	R4778/SCR R4779/RCR	30.3	7	110.5	EE	45°
							35.5	7	110.5	EE	45°
1995	4	Barchetta 1.8 ie 16V Eng. 183A1.000 Eng. 188A6.000 1995 Brava 1.8 ie 16V Bravo 1.8 ie 16V Eng. 182A2.000 1993 Coupè 1.8 ie 16V Eng. 183A1.000 1996 Marea 1.8 ie 16V Eng. 182A2.000 1999 Punto 1.8 ie 16V Eng. 183A1.000 Eng. 188A6.000 2001 Stilo 1.8 ie 16V Eng. 192A4.000 1747 cc.	82	7766564 7766565 60674496 46533298	IN EX EX	R4728/SCR R4729/RCR R4729/BMCR	33.5	7	113.1	I	45°
28							7	108.6	I	45°	
28							7	108.6	I	45°	
1995/97	5	Bravo 2.0 ie 20V 1996/98 Coupè 2.0 ie 20V 1996/98 Marea 2.0 ie 20V Eng. 182A1.000 1996 Coupè 2.0 ie Turbo 20V Eng. 175A3.000 1998 c.	82	7735898 7735899	IN EX	R4738/SCR R4739/BMCR	30	7	113.1	I	45°
26							7	108.7	I	45°	
1998/00	5	Bravo 2.0 ie 20V Eng. 182B7.000 1998 Coupè 2.0 ie 20V Eng. 182B3.000 1999 Marea 2.0 ie 16V Eng. 182B7.000 Eng. 185A8.000 1998 cc.	82	7766564 7766565 60674496	IN EX	R4728/SCR R4729/RCR	33.5	7	113.1	I	45°
28							7	108.6	I	45°	
2006	4	Croma 1.8 ie 16V Eng. 939A4.000 1796 cc.	82	55557741 71744388	IN EX	R6504/SCR R6505/BMCR	31 27.5	5 5	114 113.2	I I	45° 45à
2001	5	Stilo 2.4 ie 20V Abarth Eng. 192A2.000 2446 cc.	83	7766564 7766565 60674496	IN EX	R4728/SCR R4729/RCR	33.5	7	113.1	I	45°
							28	7	108.6	I	45°
1996	4	Coupè 2.0 16V Eng. 836A3.000 1998 cc.	82	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4	7	128	EE	45°
							28.3	7	125	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7756897 7757052	G3531 G11007 GS3531	IN/EX IN/EX	42	7.02	13.03 13.08	G SM	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008 GS3531 GS3532 G11515* G11516*	IN EX IN EX IN EX	42 46 42 46 42 46	7.02 7.02 7.02 7.02 7.02 7.02	13.03 13.08 13.03 13.08 13.03 13.03 13.03 13.03	G G SM SM B B	C.I. C.I. C.I. C.I. C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008 GS3531 GS3532	IN EX IN EX	42 46 42 46	7.02 7.02 7.02 7.02	13.03 13.08 13.03 13.08 13.03 13.03	G G SM SM	C.I. C.I. C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008 GS3531 GS3532	IN EX IN EX	42 46 42 46	7.02 7.02 7.02 7.02	13.03 13.08 13.03 13.08 13.03 13.03	G G SM SM	C.I. C.I. C.I. C.I.
71739771	G11479 G11480 GS11479	IN/EX IN/EX	37 37	5 5	10.05 10.06 10.05	G SM	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7778140 46411495 46471599	PI 06-0006 RA06-902	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
4152447 60800018	PI 03-102	M






NOTE
remarks

***G11515**
***G11516**
VERSIONE BRONZO

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989/92	4	Tipo 1.8 ie 16V Eng. 160A5.000 1756 cc.	84	7474739 7958073 7574742	IN EX	R4347/RCR R4348/RARCR	34.5 28.5	7 7	128 126	EE EE	45° 45°
1990	4	Tipo 1.8 ie GT Tempra 1.8 ie SX Eng. 159A4.000 1756 cc. Tipo - Tempra 2.0 ie Eng. 159A6.046 1995 cc.	84	4440061 7597080	IN EX	R4174/RCR R3563/RCR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1986 1980 1981 1981 1986	4	Ritmo 100 S Eng. 149A4.000 1585 cc. Ritmo 130 TC Nuova Ritmo 130 TC Eng. 138AR2.000 Nuova Ritmo 125 TC Eng. 138AR1.000 Croma CHT Eng. 154A1.000 1995 cc.	84	4440061 5975341	IN EX	R4174/RCR R3563/RCR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1985	4	Croma 2000 ie Turbo Eng. 154A2.000 Eng. 154C4.000/046 1995 cc.	84	46406169 4440061 5953041	IN EX	R4174/RCR R4175/RCR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1991/96 1991/93	4	Croma 2.0 ie 16V 154E1.000 Tipo 2.0 ie 16V Eng. 160A8.046 Eng. 136A3.000 1995 cc.	84	7474739 7722907 7958073 7574742	IN IN EX	R4347/RCR R4730/RCR R4348/RARCR	34.5 34.4 28.5	7 7 7	128 128 126	EE EE EE	45° 45° 45°
1994	4	Coupè 2.0 ie 16V Eng. 836A3.000 1995 cc.	84	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1994	4	Coupè 2.0 ie Turbo 16V Eng. 175A1.000 1995 cc.	84	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125	EE EE	45° 45°
1982	4	Ducato 10 Eng. XM7T Peugeot 1795 cc.	84	7910029730 7910028074	IN EX	R3390/N R3391/R	42.5 35.5	8 8	118.6 112.2	E E	30° 45°
1997	4	Ulysse 1.8 Eng. LFW-Peugeot 1762 cc.	85	9635317980 9153501980	IN EX	R4292/XB R4293/RCR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
2000	4	Ulysse 2.0 16V Scudo 2.0 16V Eng. RFN-Peugeot 1997 cc.	85	9623950380 9636001780	IN EX	R6113/S R6114/RCR	33.3 29	6 6	106.2 103.6	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508 82399099	G2231 G2232 G2239 G2240	IN EX	42 42	8.03 8.03	14.06 14.11 14.06 14.11	G B	C.I. C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
	G2560 G2561	IN/EX	55	8.02	14.05 14.10	G	C.I.
	G3239 G3241	IN EX	38.7 45	8.01 8.01	13.06 13.07	B B	C.I. C.I.
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



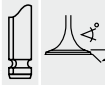
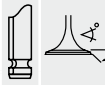
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
	PI 06-0002	I


NOTE
remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1973 1974	4	X 1/9 128 Special Eng. 128AS.000 1290 cc.	86	4212771 4239917 4190307 4286929	IN EX	R3323/SCR R3324/RCR	36 31	8 8	108.5 109	EE EE	45° 45°	
1978 1981		Regata 70 Regata 75 Eng. 128A3.000		4315062 4239918 5973128								
1978		Ritmo 65 L - CL Eng. 138A1.000										
1978		Nuova Ritmo 70 Eng. 138B2.000										
1983		Ritmo 70 CL Eng. 149A7										
1981		Ritmo Super 75 Eng. 128A3.000										
1983		Uno 70 Eng. 138B2.000 1301 cc.										
1994	4	Ulysse 2.0 Eng. XU10J2CTE 1998 cc.	86	9605936180 9614703280	IN EX	R4608/S R4609/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°	
1994	4	Ulysse 2.0 Turbo Eng. RGX-Peugeot 1997 cc.	86	9605936180 9614703280	IN EX	R4608/S R4609/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°	
1998/00	4	Ulysse 2.0 16V Eng. RFV -Peugeot 1997 cc.	86	9628943380 9629861180	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°	
1978 1981/85 1989	4	Ritmo 75 L - CL Eng. 138A2.000 Ritmo Super 85 Eng. 138A4.000 Uno 75 Eng. M6505AA 1498 cc.	86.4	4460697 4239917 4319339 4403047 5973129	IN EX	R3323/SCR R3594/RCR	36 33.5	8 8	108.5 109	EE EE	45° 45°	
1988 1989	4	Tipo DGT 1.6 Eng. 160A2.000 Tempra Eng. 159A3.000 1580cc.	86.4	7609772 4319339 4403047 5973129	IN EX	R4252/SCR R3594/RCR	37.5 33.5	8 8	108.5 109	EE EE	45° 45°	
1989 1990 1993 1995	4	Fiorino 1.6 Tipo - Tempra 1.6 SX Punto 90 SX - ELX Punto Cabrio Eng. 176A9.000 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	R4625/SCR R3324/RCR	39.5 31	8 8	108.5 109	EE EE	45° 45°	

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	G3340 G3341 G3344	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07	B B	C.I. C.I.
	G11158 G11223 G11159	IN EX	41 41	5.98 5.99	12.07 12.12 12.07	B G	C.I. C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
	PI 06-0007	I
4152447 60800018	PI 03-102	M


NOTE
 remarks

FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Scudo 1.6 ie Eng. 220A2.000 1581 cc.	86.4	46531591 5973128	IN EX	R4252/SCR R3324/RCR	37.5 31	8 8	108.5 109	EE EE	45° 45°
1995 1995 1996 1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V Eng. 182A4.000 Eng. 182A6.000 1581 cc. Until eng. 9911364	86.4	46413806 46462158 46413807 46462159	IN EX	R4780/SCR R4781/RCR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995 1995 1996 1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V Eng. 182A4.000 Eng. 182A6.000 1581 cc. From eng. N. 9911365	86.4	46761369 46517325 55192067 46761370 46451209 55196738	IN EX	R6153/SCR R6154/RCR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1999	4	Multipla 1.6 ie 16V Bipower/Blupower Eng. 182A4.000 Eng. 186A3.000 Eng. 186A4.000 1581 cc.	86.4	46517325 46451209	IN EX	R6153/SCR R6154/RCR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1986	4	Nuova Ritmo 85/85S Regata 85 Eng. 138B3.000 Ritmo 85 Eng. 149A5.000 1498 cc.	86.6	4460697 4239917 4319339 4403047 5973129	IN EX	R3323/SCR R3594/RCR	36 33.5	8 8	108.5 109	EE EE	45° 45°
1982	4	Ducato 13 Furgone Eng. XN1T Peugeot 1971 cc.	88	7910029730 7910028074	IN EX	R3390/N R3391/R	42.5 35.5	8 8	118.6 112.2	E E	30° 45°
1993	6	Croma 2.5 V6 Eng. M612FA.25.C 2492 cc.	88	119280330001 119280330101	IN EX	R3961/RCR R3962/RCR	41 36.5	9 9	107.5 94.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	GS2196 GS3531	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	GS2196 GS3531	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	GS2196 GS3531	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2560 G2561	IN/EX	55	8.02	14.05 14.10	G	C.I.
119130150302 60737369	G2042 G2043 G3122 G3123	IN EX	49 42.5	9 9	14.05 14.10 14.07 14.12	B G	C.I. C.I.





**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
46465330 46787055	PI 06-0004	I
4152447 60800018	PI 03-102	M


**NOTE
remarks**
FIAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V	69.6	55195680 46518930			21.9	6	109.2	I	45°
2007		Idea 1.3 MJT 16V		55219793	IN	R6304/SCR					
2009		500 1.3 MJT 16V Qubo 1.3 MJT 16V Eng. 188A9.000 Eng. 169A.1000 1248 cc.		46518931 55208213	EX	R6305/BMCR	21.9	6	109.2	I	45°
2006	4	Grande Punto 1.3 MJT 16V Eng. 199A2.000 Eng. 199A3.000 1248 cc.	69.6	55195680 46518930 46518931 55208213	IN EX	R6304/SCR R6305/BMCR	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2009	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V Idea 1.3 MJT 16V 500 1.3 MJT 16V Qubo 1.3 MJT 16V Grande Punto 1.3 MJT 16V Eng. EURO 5 1248 cc.	69.6	55204574 55223836	IN EX	R6636/SCR R6640/BMCR	22.45 22.5	6 6	109.2 109.2	I I	45° 45°
1981/87	4	127 1.3 D	76	4424173	IN	R3637/RCR	34	8	112	EE	45°
1981/93		Fiorino 1.3 D Eng. 127A5.000		4424174	EX	R3638/RCR	29	8	112	EE	45°
1986/89		Panda 1.3 D Eng. 156A5.000									
1983/92		Uno 45 1.3 D Eng. 146B1.000 1301 cc.									
2006	4	Scudo 1.6 D Peugeot engine 9HV 1560 cc.	75	9645024780 9640840080	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
1986	4	Uno 1.4 TD Eng. 146B6.000 Eng. 146B3.000 1367 cc.	78	7553000 7553004	IN EX	R4195/RCR R4196/RCR	33 30	8 8	117 117	EE EE	45° 45°
	4	Idea 1.6 MJT 16V Grande Punto 1.6 MJT 16V Bravo 1.6 MJT 16V Eng. 3502A2000 Eng. 955A3000 Eng. 198A2000 1598 cc.	79.5	55205125 55207955	IN EX	R6590/SCR R6388/BMCR	26.6 24.5	5 5	114.4 114.4	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7	5	10.03 10.06 10.03	G SM	L L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 73501138	PI 06-0019 RA06-900	I
46475925 73501138	PI 06-0019 RA06-900	I
46475925 73501138	PI 06-0019 RA06-900	I
4152447	PI 03-102	M
963237240 9650981280 9640253580	PI 06-0019 RA06-934	I
4152447	PI 03-102	M
46475925 55186463	PI 06-0019 RA06-933	






NOTE
 remarks

FIAT DIESEL

PI 06-0019
 Ball 8.3 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Brava 1.9 TD Bravo 1.9 TD Marea 1.9 TD	82	7798620 46527855	IN EX	R4740/BMCR R4741/BMCR	37.5	8	114.5	I	45°
1997		Marengo 1.9 TD		7783225 46527856					31	8	114.2
2001		1910 cc. Doblò 1.9 D Doblò Cargo 1.9 D									
2001	4	1910 cc. Palio 1.9 D Strada 1.9 D									
1999		1910 cc. Punto 1.9 D Punto Van 1.9D									
1996/98	5	Euro 2 - 3 1910 cc. Marea 2.4 TD									
		Eng. 182A7.000 Eng. 182A8.000 Eng. 223A6.000 Eng. 223A6.000 Euro 3 Eng. 188A3.000 Eng. 185A2.000 2387 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
41524470	PI 03-102	M







NOTE
remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Brava 1.9 JTD Eng. 182A7.000 Eng. 182A8.000	82	46478834 55193126 46416321	IN EX	R4941/BMCR R4943/BMCR	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1998		Bravo 1.9 JTD		55202630							
1999		Marea 1.9 JTD		46783962							
1999		Marengo 1.9 JTD Eng. 182B9.000 Eng. 182B4.000 Eng. 186A6.000									
2001		Doblò 1.9 JTD									
2001		Doblò Cargo 1.9 JTD Eng. 182B9.000 Eng. 186A9.000									
2004		Idea 1.9 JTD Idea Van 1.9 JTD Eng. 188B2.000									
1999/03		Multipla 1.9 JTD Eng. 182B4.000 Eng. 186A6.000 Eng. 186A8.000									
2004		Multipla 1.9 JTD Eng. 186A9.000									
2002/04		Palio 1.9 JTD									
1999		Punto 1.9 JTD Punto Van 1.9 JTD Eng. 188A2.000 Eng. 188A7.000									
2003		Punto 1.9 JTD Eng. 188B2.000									
2001		Stilo 1.9 MJT 8V Eng. 192A8.000 Eng. 192B5.000 Eng. 192A1.000/A3.000									
2006		Grande Punto 1.9 MJT 8V									
2006		Croma 1.9 MJT 8V Eng. 199A5.000 Eng. 939A1.000									
2006		Sedici 1.9 MJT 8V Eng. D19AA 1910 cc.									
2004	4	Stilo 1.9 MJT 16V Eng. 937A5.000	82	55195535 46802049	IN EX	R6203/SCR R6204/BMCR	28 26	6 6	114.40 114.40	I I	45° 45°
2006		Croma 1.9 MJT 16V Eng. 939A1.000 1910 cc.		46787902 55190249							

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
07/2006	4	Stilo 1.9 MJT 16V Eng. 937A5.000 Croma 1.9 MJT 16V Eng. 939A1.000 1910 cc.	82	55206431 55205183	IN EX	R6387/SCR R6388/BMCR	28 24.5	5 5	114.4 114.4	I I	45° 45°
2009	4	Croma 1.9 MJT 16V Eng. 939A2000 1910 cc.	82	55206431 55207955	IN EX	R6387/SCR R6388/BMCR	28 24.5	5 5	114.4 114.4	I I	45° 45°
1999	5	Marea 2.4 TD Eng. 185A6.000 2387 cc.	82	55193126 46783962	IN EX	R4941/BMCR R4943/BMCR	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
2005	5	Croma 2.4 MJT 20V Eng. 939A3.000 2387 cc.	82	55195535 46802049 46787902 55190249	IN EX	R6203/SCR R6204/BMCR	28 26	6 6	114.40 114.40	I I	45° 45°
2005	5	Croma 2.4 JTDM 20V Eng. 939A3000 Up to eng. 5553217 2387 cc.	82	55190248 55190249	IN EX	R6601/SCR* R6602/BMCR*	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
07/2006	5	Croma 2.4 JTDM 20V Eng. 939A3.000 From eng. 5553218 2387 cc.	82	55206431 55205183	IN EX	R6387/SCR* R6388/BMCR*	28 24.5	5 5	114.4 114.4	I I	45° 45°
1998	4	Scudo 1.9 D Eng. WJY-WJZ-DW8 1868 cc.	82.2	9630597380 96272853 9613736280	EX EX	R4243/SCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1987/91	4	Duna 1.7 D Eng. 160A7.000	82.6	5990532 5990533	IN EX	R3953/SCR R3954/RCR	37.5 33.5	8 8	117 117	EE EE	45° 45°
1986/89		Regata 1.7 D									
1986/88		Ritmo 1.7 D									
1989/92		Uno 60 D									
1988/91		Uno Van 1.7 D Eng. 149B3.000									
1988/96		Tipo 1.7 D Eng. 149B4.00									
1992/94		Uno 1.7 D									
1988		Fiorino 1.7 D									
1992/94		Uno Van 1.7 D Eng. 146B2.000 Eng. 149B3.000 Eng. 149B4.046 1697 cc.									
1994/98		Palio 60 1.7 D									
1993/96		Punto 1.7 D									
1993/96		Punto Van 1.7 d Eng. 176B3.000 1698 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55210016	G11481	IN/EX	46.7	5	10.03	G	L
55210015	G11482				10.06		
55210016	GS11481	IN/EX	46.7	5	10.03	SM	L
55210016	G11481	IN/EX	46.7	5	10.03	G	L
55210015	G11482				10.06		
55210016	GS11481	IN/EX	46.7	5	10.03	SM	L
7565472	G11000	IN/EX	43	8.02	14.03	G	C.I.
46433782	G11018				14.06		
46433783	G11019				14.11		
55186786	G11302	IN/EX	47	6.02	11.03	G	C.I.
	G11303				11.06		
55186786	GS11302	IN/EX	47	6.02	11.03	SM	C.I.
55210016	G11481	IN/EX	46.7	5	10.03	G	L
55210015	G11482				10.06		
	GS11481	IN/EX	46.7	5	10.03	SM	L
55210016	G11481	IN/EX	46.7	5	10.03	G	L
55210015	G11482				10.06		
	GS11481	IN/EX	46.7	5	10.03	SM	L
	G3163	IN/EX	52	8.02	14.05	B	L
	G3528	IN/EX	48	8.02	14.05	B	C.I.
4250803	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	G2266				14.11		
	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
4354245	G2828	IN/EX	59.5	8.03	15.03	G	C.I.
4471271	G2279				15.08		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925	PI 06-0019	I
55186463	RA06-933	
46475925	PI 06-0019	I
55186463	RA06-933	
4152447	PI 03-102	M
46475925	PI 06-0019	I
46764765	RA06-903	
55200333	RA06-901	
46475925	PI 06-0019	I
55186463	RA06-933	
46475925	PI 06-0019	I
55186463	RA06-933	
4152447	PI 03-102	M


**NOTE
remarks**
RA06-903
55X17R17X10
RA06-901
57X17R17X10





***R6601/SCR**
Retainer s.e. 5.8 mm
R6602/BMCR*
Retainer s.e. 6.5 mm

***R6387/SCR**
Retainer s.e. 4.9 mm
***R6388/BMCR**
Retainer s.e. 5.9 mm

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995/97		Brava 1.9 D	82.6	5990532	IN	R3953/SCR	37.5	8	117	EE	45°
		Bravo 1.9 D		5990533	EX	R3954/RCR	33.5	8	117	EE	45°
1990/96		Tempra 1.9 D									
1990/96		Tipo 1.9 D									
1990/97		Marengo 1.9 D									
		Eng. 160A7.000									
1984/90		Regata 1.9 D									
		Eng. 149A1.000									
1989/94		Uno 1.9 D									
		Eng. 149B5.046									
1987/94		Ducato 1.9 D									
		Eng. 149B1.000									
1989/94		Talento 1.9 D									
1994/01		Ducato 1.9 D									
		Eng. 230A2.000									
		1929 cc.									
1996/01	4	Palio 70 1.7 TD	82.6	7547158	IN	R4627/RCR	37.5	8	116.5	EE	45°
1993/99		Punto 1.7 TD		7588577	EX	R4626/RCR	33.5	8	116.5	EE	45°
1993/99		Punto Van 1.7 TD									
1999		Strada 1.7 TD									
		Eng. 176A3.000									
		Eng. 176A5.000									
		Eng. 176B7.000									
		1698 cc.									
1997		Fiorino 1.7 TD									
		Eng. 146D7.000									
		1697 cc.									
1986/90		Regata 1.9 TD	82.6	7547158	IN	R4627/RCR	37.5	8	116.5	EE	45°
1986/88		Rtmo 1.9 TD		7588577	EX	R4626/RCR	33.5	8	116.5	EE	45°
		Eng. 1831D1.000									
1990/97		Tempra 1.9 TD									
1990/96		Tipo 1.9 TD									
1990/97		Marengo 1.9 TD									
		Eng. 160A6.000/A6.046									
		Eng. 160B6.000									
		Eng. 160D1.000									
1989/94		Ducato 1.9 TD									
	Eng. 280A1.000										
1994	Ducato 1.9 TD										
	Eng. 230A4.000										
	Eng. 230A3.000										
		1929 cc.									
1989/96	4	Croma 1.9 TD ie	82.6	7597566	IN	R4392/SCR	36.5	8	114	EE	45°
		Eng. 154B.000			7597565	EX	R4393/RCR	33.5	8	114	EE
		Eng. 154C6.000									
		Eng. 154D1.000									
		1929 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
4354245 4471271	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2828 G2279	IN/EX			59.5		
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
4250803 4372160	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2265	IN/EX			46.5		
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
4250803 4372160	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2265	IN/EX			46.5		
4250803 4372160	G2265	IN/EX	46.5	8.03	14.06	G	C.I.
	G2266				14.11		
4250803 4372160	GS2265	IN/EX	46.5	8.03	14.06	SM	C.I.
	G2265	IN/EX			46.5		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M


 NOTE
remarks

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1980/85	4	Ritmo D L - CL	83	4368843	IN	R3609/SCR	38.5	8	126	EE	45°
		Nuova Ritmo D		4368845	EX	R3610/RCR	33.5	8	126	EE	45°
		Regata D Eng. 138B6.000 1714 cc.		5996615							
1995	4	Ulysse 1.9 TD	83	9601136380	IN	R4883/RCR	38.5	8	112.4	E	45°
1995		Ducato 1.9TD		96272853	EX	R3988/RCR	33	8	112	E	45°
1996		Scudo 1.9 TD Eng. DHX-D8B 1905 cc.		9613736280							
1996/98	4	Scudo 1.9 D	83	9630597380	EX	R4243/SCR	38.5	8	112.4	E	45°
		Eng. D9B 1905 cc.		96272853	EX	R3988/RCR	33	8	112	E	45°
2008	4	Bravo 2.0 MJTD 16V Eng. 198A5000 1956 cc.	83	55206431	IN	R6387/SCR	28	5	114.4	I	45°
				55207955	EX	R6388/BMCR	24.5	5	114.4	I	45°
2011	4	Freemont 2.0MJTD 16V Eng. 939B5.000 Eng. 940A5.000 1956 cc.	83	55206431	IN	R6387/SCR	28	5	114.4	I	45°
				55207955	EX	R6388/BMCR	24.5	5	114.4	I	45°
1999	4	Ulysse 2.0 JTD	85	9624774280	IN	R6092/SCR	35.6	6	107.1	I	45°
1999		Ducato 2.0 JTD		9624774580	EX	R6093/BMCR	33.8	6	107.1	I	45°
1999		Scudo 2.0 JTD Eng. RHZ-RHX-RHV 1998 cc.									
1996	4	Ulysse 2.1 TD 12V Eng. XUD11BTE-Turbo 2088 cc.	85	0948.68	IN	R4623/SCR	33.9	8	122.3	I	45°
				0949.68	EX	R4624/BMARCR	33.9	8	121.9	I	45°
2000	4	Ulysse 2.0 JTD 16V	85	9635317980	IN	R6161/SCR	29.9	6	106.2	I	45°
2001		Scudo 2.0JTD 16V Eng. RHM-RHT-RHW 1997 cc.		9635318480	EX	R6162/BMCR	25	6	106.1	I	45°
2006	4	Ulysse 2.0 MJTD 16V Eng. RHR-RHK 1997 cc.	85	9627184380	IN	R6163/SCR	29.8	6	105	I	45°
				9683321080	EX	R6164/BMCR	25	6	105	I	45°
2001	4	Ulysse 2.2 JTD Eng. 4HW 2179 cc.	85	9627184380	IN	R6163/SCR	29.8	6	105	I	45°
				9634437580	EX	R6164/BMCR	25	6	105	I	45°
2006	4	Ducato 2.2 JTD Eng. 4HV 2198 cc.	86	9660035980	IN	R6508/SCR	29.8	7	122.3	I	30°
				9660640080	EX	R6509/RCR	25.8	7	122.1	I	45°
1974/81	4	242 D	90	5471746	IN	R3517/SCR	42	8	121.5	I	45°
		Eng. B22.615 2175 cc.		5414239	EX	R3518/BMCR	35	9	121.5	I	45°
		242 E Eng. B25.637 2499 cc.	93								

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G3163 G3528	IN/EX IN/EX	52 48	8.02 8.02	14.05 14.05	B B	L C.I.
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
9640340380	G11319 G11320 GS11319 G11396 G11397	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
9640340380	G11319 G11320 GS11319 G11396 G11397	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
9640340380	G11319 G11320 GS11319	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
	G11319 G11320 GS11319	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
	G11569 G11570	IN/EX	51.5	6.96	12.06 12.10	G	L
5414143 5414141	G2273 G2274 G2276 G2277	IN EX	54 57	8 8.98	13.07 13.12 13.07 13.12	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
46475925 55186463	PI 06-0019 RA06-933	I
46475925 55186463	PI 06-0019 RA06-933	I
9638075480	PI 06-0019 RA06-913	I I
9301337280 THRUST PAD	PI 06-0017 RA06-912 RA06-927	I
9651263580	PI 06-0039 RA06-915	I
9651263580	PI 06-0039 RA06-915	I
9638075480 9651263580	PI 06-0039 RA06-915	I


NOTE
remarks

RA06-913
L46 DIA R 17 MM

RA06-915
L58.4

RA06-915
L58.4

RA06-915
L58.4

FIAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	Ducato 2.3 JTD 16V Eng. F1AE481B 2287 cc.	88	504069199 500362856	IN EX	R6339/SCR R6340/BMCR	30	6	120.4	I	45°
							30	6	120.35	I	45°
1978/83	4	131 D - 132 D Eng. 8144.65 1995 cc. 131 D - Campagnola Eng. 8142.61 132 D - Argenta D Eng. 8144.61 Ducato Eng. 8144.65 2445 cc.	88	4733348 4741915 4757358	IN IN IN	R4504/BMNT R3596/BMNT R3642/BMNT	40.9	8	121.9	EE	30°
							41	8	122	EE	45°
							41	8	120.9	EE	30°
							41	8	121	EE	45°
							93	4754990 4733349	IN EX	R3645/BMNT R3597/BMNT	41 32.9
1983/84 1983/86 1986 1986/86 1991	4	131 Supermirafiori D Nuova Argenta D Ducato D Eng. 8144.61 2445 cc. Argenta TD Eng. 8144.81 Turbo Croma TD Eng. 8144.91 Turbo 2445 cc. Ducato TD Eng. 8144.21id - Turbo 2445 cc. Argenta D - Croma D Ducato D Eng. 8144.67 2499 cc. Croma TD Eng. 8144.97 Turbo 2499 cc.	93	7301820 504069200 7301821 4826033 7302157	IN EX EX	R3989/RNT R3990/RCR R3991/RCR	41	8	120.7	EE	30°
							34.5	8	122	EE	45°
							34.5	8	122	EE	45°
							41	8	120.7	EE	30°
							34.5	8	122	EE	45°
							41	8	120.7	EE	30°
							34.5	8	122	EE	45°
							41	8	120.7	EE	30°
							34.5	8	122	EE	45°
							41	8	120.7	EE	30°
1994	4	Ducato 2.5 JTD Eng. 8140.47R-8140.47 2445 cc.	93	7301820 4826033	IN EX	R3989/RNT R3990/RCR	41 34.5	8 8	120.7 122	EE EE	30° 45°
1996	4	Ducato 2.8 D Eng. 8140.63 2798 cc.	94.4	98468338 99432837	IN EX	R4762/BMCR R4887/BMCR	43.5	8	122	EE	45°
							36	8	122	EE	45°
1996	4	Ducato 2.8 TD id Eng. 8140.43 2798 cc.	94.4	7301820 99432837	IN EX	R3989/RNT R4887/BMCR	41	8	120.7	EE	30°
							36	8	122	EE	45°
2000	4	Ducato 2.8 JTD Eng. 8140.43S 2798 cc.	94.4	7301820 99432837	IN EX	R3989/RNT R4887/BMCR	41	8	120.7	EE	30°
							36	8	122	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
504053804	G11388 G11389 G11390 G11391	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	G2713 G2834 G11568	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
4749395 4749397	G2713 G2834 G11568	IN/EX IN/EX IN/EX	56 56 56	8.03 8.03 8.03	13.03 13.08 13.03	G G B	C.I. C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
504074464	PI 06-0008 RA06-916	I
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M


NOTE
remarks

RA06-916
L66X19.5R22.83

FIAT DIESEL
G11568
VERSIONE BRONZO

G11568
VERSIONE BRONZO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	Ducato 3.0 JTD 16V Eng. F1CE0481A 2998 cc.	95.8	504072531 504081062	IN EX	R6368/SCR R6369/BMCR	32.4	6	120	I	30°
							32.4	6	119.95	I	30°

FIAT NEW HOLLAND

	2	250 - 255 - 30 - 300 Eng. 8025.01 1599 cc.	95	4802200	IN/D	R3479/NNT	44	8	126	E	45°
	3	350 - 355 - 400 - 420 450 - 455C - 460 - 470 480		4621511 4673608	EX	R3440/RNT	37	8	125.5	E	45°
	4	550 - 555 Eng. 8045.01 3119 cc.	100	Spessore testa maggiorato 1 mm	IN/D EX	R4100/NNT R4101/RNT	44	8	126	E	45°
							37	8	125.5	E	45°
	2	300 - 350 - 355C Eng. 8025.02 1728 cc.	100								
	3	440 - 446 - 450 - 455 465 - 466 - 474 - 480 500 - 505 - 540 Eng. 8035.02 2592 cc.									
	4	600 - 605 - 640 - 665 666 - 670 - 680 80.66/70 Eng. 8045.02 3455 cc.	103								
	6	980 - 1000 Eng. 8065.02 5184 cc.									
	3	505 C - 565 C - 570 580 Eng. 8035.04 2748 cc.	103								
	4	765 C - 766 - 780 - 855 Eng. 8045.04 3666 cc.									
	5	880/5 - 90 - 90.90/55 955 C Eng. 8055.04 4583 cc.	103								
	6	1000 S - 1180 Eng. 8065.04 5499 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
500388426	G11388	IN/EX	49	6	10.05	G	L
	G11389				10.10		
504053804	G11390				10.15		
	G11391				10.20		
	G11587*	IN/EX	49	6	10.05	B	L
4601299	G2295	IN/EX	49	8.03	14.03	G	L
	G2296				14.08		
	G2297				14.13		
4601300	G2852				14.23		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008	I
	RA06-916	
98471524	PI 03-106	M


NOTE
remarks

RA06-916
L66X19.5R22.83
G11587
VERSIONE BRONZO

FIAT DIESEL
FIAT - NEW HOLLAND

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	3	45.66/76 - 50.66/86 55.46/56/65/66/75 55.76/86/90 60.86 Eng. 8035.06 2710 cc.	100	99432652 1904656 4824416 4784888 4803805 4824417	IN	R4232/SNT	45.5	8	125.5	E	30°
	4	65.46/56/66/88/90 65.93/94 70.56/65/66/75/76 70.86/88/90 72.93/94 Eng. 8045.06 3613 cc.		99432717 99432718 4784889 4784890 1904655 1904654 4806717	EX	R4233/RNT	37.5	8	125.5	E	45°
	6	100 S - 100.90 Eng. 8065.06 5420 cc.									
	3	60 - 60.46/56/65/66 60.75/76/85/86/88 60.90/93/94 62 - 62.85/86 Eng. 8035.05 2930 cc.	104								
	4	80 - 80.55/65/66/75 80.76/88/90 82 - 82.85/86/93/94 Eng. 8045.05 3908 cc. 85.90 - 88 C - 88.85/93 88.94 - A90 Eng. 8045.25 Turbo 3908 cc.									
	5	90 - 90.90 - 95.55 Eng. 8055.05 4885 cc.									
	6	110 - 110.90 - 115.90 F100 - F110 - F115 - F120 Eng. 8065.05 5862 cc. 130.90 - 140 - 140.90 F130 - F140 Eng. 8065.25 Turbo 5868 cc.									
	6	1280 - 1380 Eng. 8065.24 Turbo 5500 cc.	103	4802204 4658055	IN/D EX	R4540/NNT R4541/BMNT	44.5 37	8 8	125.6 125.7	E E	30° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299	G2295	IN/EX	49	8.03	14.03	G	L
	G2296				14.08		
	G2297				14.13		
4601300	G2852				14.23		
4601299	G2295	IN/EX	49	8.03	14.03	G	L
	G2296				14.08		
	G2297				14.13		
4601300	G2852				14.23		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M







NOTE
remarks

FIAT - NEW HOLLAND

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓						
							D	d	L				
	3	650 S - 655 - 655 C Eng. CN3 3706 cc.	110	8823545	IN/D EX	R3329/NNT R3330/SNT	43	8	138	E	45°		
	4	750 - 805 C - 880 Eng. C03 4562 cc. 850 - 850 Super - 880 Eng. C03/70 4941 cc.		8823544					36.5	8	138	E	45°
	6	100 C - 120 C - 1300 Eng. CP3 7412 cc.		8823549									
	4	80 C - 90 C Eng. C03 - 130T 5401 cc.	115	8824754	IN/D EX	R3438/SNT R3439/SNT	48.5	8	137.5	E	45°		
	6	1580 Turbo - 160.55 160.55 Turbo - 160.90 180.55 - 180.90 - 1880 Eng. 8365.25 Turbo 8100 cc. 1355 C - 1580 Eng. 8365.05 8102 cc.		4821709					41	8	137.5	E	45°
1973	6	150 C - 150 CB - AD 14 BD14 - FL14 - FR12C Eng. 8205.02 - 8200.02 9819 cc.	122	4684088	IN EX	R3471/XBNT R3472/BMCR	51	10	161	E	45°		
				4684089					45	10	161	E	45°
1965	6	AD 18 - BD 18 - BD 20 Eng. 8215.01.221 12883 cc.	135	4580688	IN EX	R3251/SNT R1478/BMNT	58	11	166.5	E	45°		
				4632840					49	11	166.5	E	45°
1971/81	6	180C - 200C - AD 18 BD 18 - FD 20 - FE 40 Eng. 8215.02 13798 cc.	137	4683025	IN EX	R3473/XBNT R3474/BMCR	59	11	170	E	45°		
				4683026					49	11	170	E	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4758794	G2365	IN	55	8	14.05	G	C.I.
4758795	G2366				14.10		
4758796	G2367				14.15		
4758798	G2368	EX	62	8	14.05	G	L
4758799	G2369				14.10		
	G2370				14.15		
4758794	G2365	IN	55	8	14.05	G	C.I.
4758795	G2366				14.10		
4758796	G2367				14.15		
4758798	G2368	EX	62	8	14.05	G	L
4758799	G2369				14.10		
	G2370				14.15		
4647838	G2353	IN	80	10.03	17.03	G	L
	G2354				17.08		
4647842	G2356	EX	70	10.03	17.03	G	L
	G2357				17.08		
4630627	G2337	IN	86	11.03	18.03	G	L
	G2338				18.08		
4647763	G2340	EX	76	11.03	18.03	G	L
	G2341				18.08		
4630627	G2337	IN	86	11.03	18.03	G	L
	G2338				18.08		
4647763	G2340	EX	76	11.03	18.03	G	L
	G2341				18.08		

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	PI 03-107	M
4753580	PI 03-107	M
99432644	PI 03-109	M


NOTE
 remarks

FIAT - NEW HOLLAND

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1985/95	4	Fiesta 1.0 i Eng. TLB 999 cc.	68.7	89BM6507AA 6165227	IN	R4702/SCR	33	7	104	I	45°
1986/94		Escort 1.1 Eng. GUC-GUF 1117 cc.		89BM6505CA 1038606	EX	R4703/RCR	29	7	104.4	I	45°
1986/90		Courier 1.1 Eng. GSG-GUC									
1989		Fiesta 1.1 Eng. GUD-GUE 1119 cc.									
1989	4	Escort 1.3 Eng. JBA-JBD 1299 cc.	68.7	89BM6507BA 6165228	IN	R4704/SCR	34.5	7	104	I	45°
1986		Orion 1.3 Eng. JBB 1300 cc.		89BM6505CA 1038606	EX	R4703/RCR	29	7	104.4	I	45°
1986/90	4	Courier 1.3 Eng. JLA 1300 cc.	68.7	89BM6507BA 6165228	IN	R4704/SCR	34.5	7	104	I	45°
1991/94		Courier 1.3 Eng. J6B-JBC-JBD 1299 cc.		89BM6505CA 1038606	EX	R4703/RCR	29	7	104.4	I	45°
1995		Courier 1.3 Eng. J4C-J4J-J4L 1297 cc. Endura E	73.96								
2008	4	KA 1.2 8V Eng. F4P Duratec 1242 CC.	70.8		IN EX	R6502/SCR R6503/BMCR	33.3 28.1	5 5	99.9 100.5	I I	45° 45°
1995/7-97	4	Fiesta 1.2i 16V Eng. DHA-DHB-DHC-DHD Eng. DHE-DHF-DHG 1242 cc. Zetec	71.8	1004446 1004444	IN EX	R4790/SCR R4791/RCR	26 22	6 6	98 100	E E	45° 45°
08/1997	4	Fiesta 1.2i 16V Eng. DHA-DHB-DHC-DHD Eng. DHE-DHF-DHG 1242 cc. Zetec	71.8	97MM6507A2B 1051772 98MM6505A2A 1069529	IN EX	R4992/SCR R4993/RCR	26 22	6 6	97.7 99.7	I I	45° 45°
2004	4	Focus 1.4 i 16V Eng. ASDA 1388 cc	71.9	1320926 1113189 1S6G6505BA	IN EX	R6413/SCR R6196/RCR	28 24.1	6 6	99.4 101.4	I I	45° 45°
2012 NEW	3	Focus III 1.0 EcoBoost C-Max 1.0 EcoBoost Fiesta 1.0 EcoBoost Eng. M1DA-M1JE-SFJA 998 cc.	71.9	1760579 CM5G6507CB 1760588 CM5G6505EA	IN EX	R6819/SNT R6820/RCR	27.08 23.10	5 5	96.40 98.15	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2013 NEW	3	Fiesta 1.0 12V Eng. XMJA 998 cc.	71.9	1760579	IN	R6819/SNT	27.08	5	96.40	I	45°
				CM5G6507CB			EX	R6820/RCR	23.10		
2003 2008	4	Fiesta 1.2 i 16V Eng. M7JA-M7JB Eng. FUJA-FUJB Fiesta 1.2 i 16V 1242 cc.	72	1320928	IN	R6464/SNT	26	6	99.7	I	45°
				1113187			EX	R6465/RNT	22		
1976	4	Fiesta 1.0 L - GL 957 cc. O/S Stem dia. .003	73.96	80BM6507AC	IN	R3523/NCR	33	7.88	106	I	45°
				77BM6505AC	EX	R3524/RCR	29	7.85	105.6	I	45°
				80BM6507BC	IN	R3574/NCR	33	7.95	106	I	45°
				77BM6505BC	EX	R3575/RCR	29	7.93	105.6	I	45°
1976/83	4	Escort 1.1 - Fiesta 1.1 1117 cc. O/S Stem dia. .003	73.96	80BM6507DC	IN	R3525/NCR	38	7.88	106	I	45°
				77BM6505AC	EX	R3524/RCR	29	7.85	105.6	I	45°
				80BM6507EC	IN	R3576/NCR	38	7.95	106	I	45°
				77BM6505BC	EX	R3575/RCR	29	7.93	105.6	I	45°
1980	4	Escort 1.1 L - E - LE Eng. CVH 1117 cc.	73.96	81SM6507KE	IN	R4271/SCR	38	8	136	I	45°
				81SM6505AE	EX	R4272/RCR	32	8	133	I	45°
1980	4	Escort - Orion 1.3 L-GL Eng. CVH 1295 cc. O/S Stem dia.mm. 0.2 O/S Stem dia.mm. 0.4	73.96	81SM6507KF	IN	R3615/SCR	42	8	135	I	45°
				81SM6505AF	EX	R3923/RCR	34	8	131.5	I	45°
				81SM6507NF	IN	R3924/SCR	42	8.2	135	I	45°
				81SM6505BF	EX	R3926/RCR	34	8.2	131.5	I	45°
				81SM6507RF	IN	R3925/SCR	42	8.4	135	I	45°
				81SM6505CF	EX	R3927/RCR	34	8.4	131.5	I	45°
2002	4	KA 1.3 8V Fiesta 1.3 8V Fusion 1.3 8V Eng. Duratec 1299 cc.	73.96	1144340	IN	R6542/SCR	35.1	6	109.6	I	45°
				1144339	EX	R6543/RCR	29.7	6	109.8	I	45°
1995 2002 2004	4	KA 1.3 i Eng. J4D-J4K-J4M-J4P Eng. JJB-JJ-BAA 1297 cc. KA 1.3 i Eng. A9A-A9B Fiesta Van 1.3 i Eng. A9JA-A9JB 1299 cc.	74	89BM6507BA	IN	R4704/SCR	34.5	7	104	I	45°
				6165228	EX	R4703/RCR	29	7	104.4	I	45°
1996/07-97	4	Fiesta 1.4i 16V Courier 1.4 i 16V Eng. FHA-FHE 1388 cc. Zetec	75.9	1012749	IN	R4792/SCR	28	6	97.5	E	45°
				1012747	EX	R4793/RCR	24	6	99.5	E	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.					
							D	d	L			
7/97	4	Puma 1.4 i 16V Eng. FHD-FHF 1388 cc. Zetec	76	928M6507C1A 928M6507C2A 6742922 948M6505A2A 1023591	IN	R4788/SCR	26	6	97.1	S	45°	
					EX	R4789/RCR	24.5	6	96.6	S	45°	
1990/07-97	4	Ecort 1.6 i 16V Eng. L1E-L1H-L1H	76	928M6507C1A 928M6507C2A 6742922 948M6505A2A 1023591	IN	R4788/SCR	26	6	97.1	S	45°	
1989/96		Fiesta 1.6 16V Eng. L1G			EX	R4789/RCR	24.5	6	96.6	S	45°	
1996/07-97		Fiesta 1.6 16V Eng. L1V-L1T										
1993/93		Mondeo 1.6 i 16V Eng. L1F-L1J										
1996/7-97		Mondeo 1.6 i 16V Eng. L1J-L1L 1597 cc. Zetec										
08/97	4	Fiesta 1.4i 16V Eng. FHA-FHE	76	97MM6507B2B 1051773 98MM6505B2A 1051771	IN	R4994/SCR	28	6	97.4	I	45°	
1998		Focus 1.4 i 16V Eng. FXDA-FXDB-FXDC Eng. FXDD			EX	R4995/RCR	24	6	99.5	I	45°	
08/97		Puma 1.4 i 16V Eng. FHD-FHF 1388 cc. Zetec										
2009	4	Fiesta VI 1.4 i 16V 1388 cc.	76	1320926 1113189 1S6G6505BA	IN	R6413/SCR	28	6	99.4	I	45°	
					EX	R6196/RCR	24.1	6	101.4	I	45°	
2009	4	Fiesta VI 1.4 i 16V BIFUEL ENGINE 1388 cc.		1673829 1673827	IN	R6617/SNT	28.1	6	99.40	I	45°	
					EX	R6618/RARNT	24.13	6	101.4	I	45°	
08/1997	4	Fiesta 1.6i 16V Eng. L1V-L1T	76	928M6507E2A 1041830 948M6505C2A 1033898	IN	R4996/SCR	26	6	97	I	45°	
08-1997/00		Mondeo 1.6i 16V Eng. L1J-L1L 1597 cc. Zetec			EX	R4997/RCR	24.5	6	96.7	I	45°	
1986	4	Escort 1.4 Eng. FUA-FUC	77.24	86SM6507AA 6137194 86SM6505AD 6162460	IN	R4273/SCR	40	8	136.5	I	45°	
1987/89		Fiesta 1.4 Eng. FUB-FUD			EX	R4274/RCR	34	8	133	I	45°	
1986/90		Orion 1.4 Eng. F6B-F6D-FUA-FUC 1392 cc. Zetec										
1998	4	Focus 1.6i 16V Eng. Zetec S	79	1053844 1053842	IN	R6000/SCR	27	6	98	I	45°	
		Up to 10/2000 1596 cc.			EX	R6001/RCR	24.5	6	97.8	I	45°	





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d					
							D	d	L			
1998/12-00	4	Focus 1.6i 16V Eng. FYDA-FYDB-FYDC Eng. FYDD 1596 cc. Zetec	79	98MM6507C28 1072048 98MM6505B2A 1051771	IN	R6140/SCR	30	6	97	I	45°	
					EX	R4995/RCR	24	6	99.5	I	45°	
1979	4	Focus 1.6i 16V Eng. FYDA-FYDB-FYDC Eng. FYDD	79	1122364 1S4G6507CA 1320927	IN	R6195/SCR	30	6	99	I	45°	
2004		Focus 1.6 i 16V		1S4G6507CB	EX	R6196/RCR	24.1	6	101.4	I	45°	
2004		Focus C-Max 1.6 i 16V		1113189								
2004		Focus 1.6 i 16V Ti-VCT		1S6G6505BA								
2004		Focus c-MAX 1.6 i 16V Ti-VCT										
2002		Fusion 1.6 i 16V Eng. HXDA Eng. FYJA 1596 cc. Zetec										
2007	4	New Mondeo 1.6 i16V Eng. RHBA 1596 cc.	79	1122364 1S4G6507CA 1113189 1S6G6505BA	IN	R6195/SCR	30	6	99	I	45°	
					EX	R6196/RCR	24.1	6	101.4	I	45°	
2007	4	C-Max 1.6 i 16V Eng. HWDA-HWDB 1596 cc.		1122364 1113189	IN	R6195/SCR	30	6	99	I	45°	
					EX	R6196/RCR	24.1	6	101.4	I	45°	
1980/89	4	Escort 1.6 L -GL - XR3 Orion 1.6 L -GL Eng. CVH 1596 - 1598 cc. O/S Stem dia.mm. 0.2 O/S Stem dia.mm. 0.4	79.96	81SM6507KF 81SM6505AG	IN	R3615/SCR	42	8	135	I	45°	
					EX	R3616/RCR	37	8	132	I	45°	
					81SM6507NF	IN	R3924/SCR	42	8.2	135	I	45°
					81SM6505BG	EX	R3929/RCR	37	8.2	132	I	45°
					81SM6507RF 81SM6505CG	IN EX	R3925/SCR R3930/RCR	42 37	8.4	135	I	45°
1998	4	Puma 1.7 i 16V Eng. MHA/B 1679 cc. Zetec	80	1031008-8 1031007-5	IN	R6004/SNT	30	6	96.2	E	45°	
					EX	R6005/RNT	26	6	98.2	E	45°	
1990/07-97	4	Escort 1.8i 16V Eng. RDA-RQB Zetec	80.6	928M6507D1A 6640543	IN	R4633/SCR	32	6	97.1	E	45°	
1989/96		Fiesta 1.8 i 16V		928M6505D2A	EX	R4634/BMCR	28	6	96.7	E	45°	
1991/93		Orion 1.8 i 16V		6911483								
1993/96		Mondeo 1.8 i 16V Eng. RDA-RQB-RDB Eng. RQC Zetec										
1996/07-97		Mondeo 1.8 i 16V Eng. RKA-RKB Zetec Eng. RKB-RKF-RKJ Zetec 1796 cc.										

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
08/97	4	Escort 1.8i 16V Eng. RDA-RQB Zetec	80.6	928M6507F2A	IN	R4998/SCR	32	6	97.1	I	45°
08/97		Mondeo 1.8 i 16V Eng. RKB-RKF-RKJ Zetec 1796 cc.		1041838 948M6505D2A 1033899	EX	R4999/BMCR	28	6	96.7	I	45°
1998	4	Focus 1.8i 16V Eng. EYDB-EYDC-EYDF Zetec 1796 cc.	80.6	1053845 1053843	IN EX	R6002/SCR R6003/BMCR	33 28	6 6	98 97.7	I I	45° 45°
08/00	4	Focus 1.8 i 16V Eng. EYDB-EYDC-EYDF	80.6	1131988 1124514	IN EX	R6002/SCR R6003/BMCR	33 28	6 6	98 97.7	I I	45° 45°
2002		Tourneo 1.8 i 16V									
2002		Transit 1.8 i 16V Eng. EYPA 1796 cc. Zetec									
1967/81	4	Escort 940 940 cc.	80.985	711M6507GA 711M6505GA	IN EX	R3332/NCR R3333/RCR	36 31.5	7.87 7.85	111 111	I I	45° 45°
1967/70		Escort 1.1 1098 cc. Escort 1.3 Capri MKI 1.3 Cortina 1.3 1298 cc. O/S Stem dia. .003		711M6507HA 711M6505HA	IN EX	R3572/NCR R3573/RCR	36 31.5	7.94 7.92	111 111	I I	45° 45°
1970/81	4	Escort 1.3 - Fiesta 1.3 Capri MK.I/II/III 1.3 1298 cc.	80.985	711M6507KA 711M6505GA	IN EX	R3494/NCR R3333/RCR	38 31.5	7.87 7.85	111 111	I I	45° 45°
1970/73		Capri MK.I 1.6 1599 cc. O/S Stem dia. .003 O/S Stem dia. .015		711M6507LA 711M6505HA 711M6507MA 711M6505JA	IN EX IN EX	R3613/NCR R3573/RCR R3994/NCR R3993/RCR	38 31.5 38 31.5	7.94 7.92 8.24 8.22	111 111 111 111	I I I I	45° 45° 45° 45°
1984	4	Sierra 1.6 E - LE - GLE Sierra 1.6 Ghia - Laser Eng. 1.6E Max OHC 1599 cc.	81.3	79HM6507EA 84HM6505FA	IN EX	R4466/SCR R4468/BMCR	42 32	8.04 8.02	113.2 113.3	I I	45° 45°
1988	4	Sierra 2.0i RS Turbo 16V Eng. Cosworth 1993 cc.			IN EX	R6230/RCR R6231/RCR	35 31	7 8	105.6 105.8		45° 45°
2003	4	SportKA 1.6 i 16V Eng. CDB-CDC StreetKA 1.6 i 16V Eng. CDRA-CDRB 1599 cc. Zetec Rocam	82	1127416 1089830	IN EX	R6417/SCR R6418/BMCR	40 34	6 6	109.7 109.8	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003 2004	4	Focus C-Max 1.8 i 16V Focus 1.8 i 16V Eng. CSDA - CSDB Eng. QQDB 1798 cc.	83	1324691 1324690	IN EX	R6341/SNT R6342/RNT	32.5 28	5.5 5.5	103.4 104.6	S S	45° 45°
2004	4	Mondeo 1.8 16V Eng. CFBA-CGBB-CGBA 1798 cc.	83	1324691 1324690	IN EX	R6341/SNT R6342/RNT	32.5 28	5.5 5.5	103.4 104.6	S S	45° 45°
2007	4	C-Max 1.8 i 16V Eng. QQDA-QQDB 1798 cc.	83	1324691 1324690	IN EX	R6341/SNT R6342/RNT	32.5 28	5.5 5.5	103.4 104.6	S S	45° 45°
2007	5	Mondeo 2.5 i Turbo S-Max 2.5 i Turbo Eng. HUWA 2521 cc.	83	1369828 1369831	IN EX	R6298/SCR R6299/BMARCR	31 27	6 6	104.3 103.3	I I	45° 45°
1993/96 1996/07-97	4	Mondeo 2.0 i 16V Eng. NAA Zetec Mondeo 2.0 i 16V Eng. NGA-NGB-NGC Eng. NGD Zetec 1988 cc.	84.8	928M6507D1A 6640543 928M6505D2A 6911483	IN EX	R4633/SCR R4634/BMCR	32 28	6 6	97.1 96.7	E E	45° 45°
1999 08/97	4 4	Cougar 2.0 16V Eng. EDDB-EDBB-EDBC Eng. EDBD Zetec Mondeo 2.0 i 16V Eng. NGA-NGB-NGC Eng. NGD Zetec 1988 cc.	84.8	928M6507F2A 1041838 948M6505D2A 1033899	IN EX	R4998/SCR R4999/BMCR	32 28	6 6	97.1 96.7	I I	45° 45°
1998	4	Focus 2.0i 16V Eng.EDDB-EDDC-EDDF Zetec 1998 cc.	84.8	1053845 1053843 1124514	IN EX	R6002/SCR R6003/BMCR	33 28	6 6	98 97.7	I I	45° 45°
2002/04	4	Ford Focus 2.0 ST170 16V Eng.ALDA 1988 cc.	84.8	1143059 1143057	IN EX	R6606/SCR R6607/RCR	33.50 28	6 6	102.85 102.35	I I	45° 45°
1989/94	4	Sierra - Scorpio 2.0 Eng. DOHC/DLI 1998 cc.	86	88WM6507BA 88WM6505EA 88WM6505DA	IN EX	R4442/SCR R4443/BMCR	42.5 38	7 7	108.5 109	I I	45° 45°
1998/00	4	Mondeo 2.0i 16V Eng. CJBA-CJBB Duratec HE 1999 cc.	87.5	1053845 1053843 1124514	IN EX	R6002/SCR R6003/BMCR	33 28	6 6	98 97.7	I I	45° 45°
2000	4	Mondeo 2.0i 16V Eng. CJBA-CJBB Duratec HE 1999 cc.	87.5	1124378 1124377	IN EX	R6370/SNT R6371/RNT	35 30	5.5 5.5	103.4 104.6	S S	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	Focus 2.0 i 16V Focus C-Max 1.8 i 16V Eng. AODA Duratec HE 1999 cc.	87.5	1124378	IN	R6370/SNT	35	5.5	103.4	S	45°
				1124377	EX	R6371/RNT	30	5.5	104.6	S	45°
2007	4	C-Max 2.0 i 16V Eng. AODA Duratec	87.5	1124378	IN	R6370/SNT	35	5.5	103.4	S	45°
2007		Galaxy 2.0 i 16V		1124377	EX	R6371/RNT	30	5.5	104.6	S	45°
2006		Mondeo 2.0 i 16V S-Max 2.0 i 16V Eng. AOWA 1999 cc.									
2007	4	Mondeo IV 2.0 i 16V	87.5	1124378	IN	R6370/SNT	35	5.5	103.4	S	45°
		145 CV		1324690	EX	R6342/RNT	28	5.5	104.6	S	45°
1970/79	4	Capri 2000	90.8	70HM6507DD	IN	R4048/SCR	42	8	111.15	I	45°
		Cortina 2000 GL - GT		6063961	EX	R4051/RCR	36	8	110.5	I	45°
		Escort RS 2000		70HM6505DE							
		Granada GL - L - Ghia		6048949							
1985		Taurus 2000 GL - GLS									
		Transit FT 100/120/130									
		Transit FT 160/190									
	Scorpio 2.0 - Sierra 2.0										
	1993 cc.										
	O/S Stem dia.mm. 0.2			70HM6507ED	IN	R4049/SCR	42	8.2	111.15	I	45°
				70HM6505EE	EX	R4052/RCR	36	8.2	110.5	I	45°

FORD DIESEL

2009	4	KA 1.3 TDCI Eng. FD4 1248 cc.	69.6		IN	R6304/SCR	21.9	6	109.2	I	45°
				FROM 2011	IN	R6636/SCR	22.45	6	109.2	I	45°
					EX	R6305/BMCR	21.9	6	109.2	I	45°
				FROM 2011	EX	R6640/BMCR	22.5	6	109.2	I	45°
2001	4	Fiesta 1.4TDCi	73.7	1145933	IN	R6322/SCR	32.9	5.5	97.5	I	45°
2002		Fusion 1.4 TDCi		1152191							
2004		Fiesta Van 1. TDCi		1145932	EX	R6323/RCR	30.2	5.5	97.5	I	45°
		Eng. F6JA/F6JB 1399 cc.		1202362							
2010	4	Fiesta 1.4 TDCi	73.7	1685847	IN	R6713/SCR	30.10	5.5	95.50	I	45°
NEW		Eng. KVJA 1399 cc.		AV6Q6507AA	EX	R6714/RCR	27.40	5.5	95.50	I	45°
				1685845							
				AV6Q6505AA							

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2004	4	Fiesta 1.6 TDCi 16V	75	1229882	IN	R6397/SCR	25.6	5.5	96.4	I	45°	
2004		Fusion 1.6 TDCi 16V		1229883	EX	R6398/BMCR	23.4	5.5	96.6	I	45°	
2004		Focus 1.6 TDCi 16V Focus C-Max 1.6 TDCi 16V										
2008		Fiesta 1.6 TDCi 16V 1560 cc.										
2010 NEW	4	C-Max 1.6 TDCi	75	1685847	IN	R6713/SCR	30.10	5.5	95.50	I	45°	
		Fiesta 1.6 TDCi Focus 1.6 TDCi S-Max 1.6 TDCi		AV6Q6507AA 1685845 AV6Q6505AA	EX	R6714/RCR	27.40	5.5	95.50	I	45°	
1995/04-96	4	Galaxy 1.9 Tdi	79.5	028 109 601H	IN	R4776/BMCR	36	8	96.9	I	45°	
95/04-96		Galaxy 1.9 Tdi		1669766 046 109 611F 1669772	EX	R4777/BMCR	31.4	8	96.9	I	45°	
05/96	4	Galaxy 1.9 Tdi	79.5	1079769	IN	R6087/S	35.9	7	96.8	I	45°	
1996/00		Galaxy 1.9 Tdi		1049788	EX	R4889/BM	31.5	7	96.85	I	45°	
1997/00		Galaxy 1.9 Tdi										
1995	4	Galaxy 1.9 Tdi	79.5	1100679	IN	R6128/S	35.9	7	89.9	I	45°	
		Galaxy 1.9 Tdi		1100678	EX	R6129/BM	31.5	7	90	I	45°	
1984/85	4	Orion 1.6 D	80	84FM6507AC	IN	R4224/SCR	35	8	107.3	I	45°	
		Orion 1.6 D Escort 1.6 D		1631007 84FM6505AC 161002	EX	R4225/RCR	31	8	108.5	I	45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
1005252	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1077143	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I-F
1077143	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I-F
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1212979 1118064 1231272	PI 06-0019 RA06-934	I
0903.65	PI 06-0019 RA06-914 RA06-934*	
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0032	I
6136467 6181794 6111580 6957756	PI 03-112	M


NOTE
remarks

FORD DIESEL
RA06-934
Eng. TZJA-TZJB

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/90	4	Escort 1.8 D Escort Van 1.8 Eng. RTA-RTB	82.5	89FF6507AA 6172851	IN	R4375/BMCR	36.5	8	107.1	I	45°
1990/92 1988		Escort 1.8 D Courier 1.8 D Eng. RTE-RTF-RTH		89FF6505AA 6172854	EX	R4376/BMCR	32	8	109.2	I	45°
1989/96		Fiesta 1.8 D Eng. RTC-RTD-RTG									
1989/93		Orion 1.8 D Eng. RTA-RTB-RTE-RTF Eng. RTH 1753 cc. O/S Stem dia.mm. 0.1			IN	R4682/BMCR	36.5	8.07	107.1	I	45°
		O/S Stem dia.mm. 0.2		89FF6507BA	EX	R4683/BMCR	32	8.07	109.2	I	45°
				89FF6505BA	IN	R4854/BMCR	36.5	8.15	107.1	I	45°
				89FF6505BA	EX	R4855/BMCR	32	8.15	109.2	I	45°
1993/98 1990/93	4	Escort 1.8 TD Orion 1.8 TD Eng. RFD-RFK	82.5	89FF6507FA/FB 93FF6507AA/AF 6172851	IN	R4375/BMARCR	36.5	8	107.1	I	45°
08/90		Sierra 1.8 TD Eng. RFA.RFB-RFL 1753 cc.		89FF6505FA 93FF6505AA 6172848	EX	R4376/BMARCR	32	8	109.2	I	45°
1999	4	Focus 1.8 TDCi Eng. BHDA-BHDB-C9DA Eng. C9DC	82.5	1113197 1198044	IN	R6143/SCR	36.5	8	107	I	45°
2000		Fiesta 1.8 TDCi Eng. C9DC-RTN-RTP Eng. RTQ		1352129 1078429	EX	R6144/BMCR	32	8	108.7	I	45°
2001		Focus 1.8 TDCi Eng. F9DA-F9DB									
2002		Focus 1.8 TDCi Eng. FFDA									
2001		Tourneo 1.8 TDCi Eng. HCPA									
2001		Transit 1.8 TDCi Eng. HCPA-HCPB									
2000		Courier 1.8 Tddi Eng. RTN-RTP-RTQ									
2005/07 2007	4	Focus C-MAX 1.8 TDCi Mondeo 1.8 TDCi Eng. KKDA 1753 cc. Endura di									
2003	4	Focus 2.0 TDCi 16V Focus C- Max 2.0 TDCi 16V Eng. G6DA-G6DB 1997 cc.	85	1231931 1231930	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	G11325 G11326	IN/EX	38	8.01	12.76 12.81	G	C.I.
	G11319 G11320 GS11319 G11396 G11397	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M
1047213 6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	PI 03-112	M
1331285	PI 06-0039 RA06-915	I


NOTE
 remarks

FORD DIESEL
RA06-915
 L58.4

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	S Max 2.0 TDCI New Galaxy 2.0 TDCI Eng. AZWA-QXWA-QXWB 1997 cc.	85	1231931 1231930	IN EX	R6163/SCR R6164/BMCR	29.8	6	105	I	45°
							25	6	105	I	45°
03/2008 2007	4	Kuga 2.0 TDCi 16V Mondeo IV 2.0 TDCi 16V Eng. QXBA-UFBA 1997 cc.	85	1231931 1231930	IN EX	R6163/SCR R6164/BMCR	29.8	6	105	I	45°
							25	6	105	I	45°
2010 NEW	4	Mondeo IV 2.0 TDCI Eng. TXBA-TXWA 1997 cc.	85	1683701 9M5Q6507AA 1675716	IN EX	R6724/SCR R6164/BMCR	27.25	6	104.5	I	45°
							25	6	105	I	45°
2008 2008	4	S-Max 2.2 TDCI 16V Mondeo IV 2.2 TDCI 16V Eng. Q4AB 2179 cc.	85		IN EX	R6595/SCR R6596/BMCR	27.2	6	95.8	I	45°
							25	6	95	I	45°
2000 2000	4	Mondeo 2.0 TDCi 16V Eng. D5BA Mondeo 2.0 TDCi 16V Eng. D6BA-FMBA-HJBA Eng. HJBB-HJBC	86	1121333 1121331 1216915 1217148 1738494	IN	R6145/SCR	29.8	7	122.2	I	30°
							25.8	7	122.2	I	45°
2001 2001	4	Transit 2.0 Di 16V Eng. D3FA Transit 2.0 Tddi 16V Eng. F3FA-ABFA-ABFB 1998 cc Duratorq DI	86	1121332 1132466 1214456	EX	R6146/BMCR	25.8	7	122.2	I	45°
2004	4	Mondeo 2.2 TDCi 16V Eng. QJBA 2198 cc.	86	1121333 1121331 1121332	IN EX	R6145/SCR R6146/BMCR	29.8	7	122.2	I	30°
							25.8	7	122.2	I	45°
2011	4	Transit 2.2TDCI 16V Eng. CYFB-DRFB 2198 cc.	86	1738494 1217148 1706990 BK2Q6505BB	IN EX	R6145/SCR R6146/BMCR	29.8	7	122.2	I	30°
							25.8	7	122.2	I	45°
1977	4	Granada 1.9D Eng. XD4.88 1948 cc. Granada 2.1D Eng. XD4.90 2112cc.	88 90	78EM6507AA 78EM6505AA	IN EX	R3442/N R3443/RCR	40.5	8.5	116.5	E	45°
							33.5	8.5	116.5	E	45°
2004 2001	4 4	Transit 2.4 Tddi 16V Eng. F4FA-D2FA-D2FE Transit 2.4 Tddi 16V Eng. DT24H-N-P 2402 cc.Duratorq	89.9	1096250 1096248	IN EX	R6167/SCR R6168/RCR	31.3	7	122.2	I	30°
							27.8	7	122.1	I	45°
2006	4	Transit 2.4 TDCI 16V Eng. PHFA-PHFC 2402 cc.	89.9	1121333 1121331 1121332	IN EX	R6145/SCR R6146/BMCR	29.8	7	122.2	I	30°
							25.8	7	122.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11319 G11320 GS11319 G11396	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06	G SM G	L L C.I.
	G11319 G11320 GS11319 G11396 G11397 GS11396	IN/EX IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5 42.5	6 6 6 6	10.06 10.11 10.06 12.06 12.11 12.06	G SM G SM	L L C.I. C.I.
	G11319 G11320 GS11319	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
XSQ6510AC	G11459 G11460 GS11459	IN/EX IN/EX IN/EX	51.5 51.5	6.96 6.96	12.06 12.10 12.06	G SM	L L
	G11459 G11460 GS11459	IN/EX IN/EX	51.5 51.5	6.96 6.96	12.06 12.10 12.06	G SM	L L
	G11459 G11460 GS11459	IN/EX IN/EX	51.5 51.5	6.96 6.96	12.06 12.10 12.06	G SM	L L
22016	G2558 G2559 G2970	IN/EX	55.4	8.50	14.06 14.11 14.16	G	L
XSQ6510AC	G11459 G11460 GS11459	IN/EX IN/EX IN/EX	51.5 51.5	6.96 6.96	12.06 12.10 12.06	G SM	L L
	G11459 G11460 GS11459	IN/EX IN/EX	51.5 51.5	6.96 6.96	12.06 12.10 12.06	G SM	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1331285	PI 06-0039 RA06-915	I
1331285	PI 06-0039 RA06-915	I
1120750 1120752	RA06-931 RA06-932	
1120750 1120752	RA06-931 RA06-932	
1099936 1100013	RA06-953 RA06-954	


**NOTE
remarks**
RA06-915
L58.4

RA06-915
L58.4

RA06-931
VERSIONE LUNGA
LONG VERSION

RA06-931
VERSIONE LUNGA
LONG VERSION

RA06-953
VERSIONE LUNGA
LONG VERSION

FORD DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1996/99	4	Granada - Scorpio Eng. VM TD 2498 cc.	92	V94DD-6507AA V94DD-6505AA	IN EX	R3598/RCR R3599/RCR	40 34	8 8	121 121	E E	35° 45°
2006 NEW	4	Ranger 2.5 tdi 16V Everest 2.5 tdi 16V Eng. WLAA 2499 cc.	93	1449108 6M346507AA 1449109 6M346505AA	IN EX	R6698/SNT R6699/RNT	31 28	6 6	112 112	S S	45° 45°
1971/77	4/6	FT 100/125/130/150/ Eng. 2401E - 2402E 2358 - 3537 cc.	93.46 93.64	735F6507AAA 715F6505AAC	IN EX	R3545/RCR R3546/RCR	44.5 36.5	9 9	126.5 126.5	EE EE	45° 30°
1978	4/6	FT 100/125/130/150/ Eng. 2401E - 2402E 2358 - 3537 cc.	93.46 93.64	785F6507AAA 785F6505AAA	IN EX	R3656/RCR R3657/RCR	44.5 36.5	9 9	124 124	EE EE	45° 30°
1983/00	4	Transit 2.5D-Di Eng. 4AB-4BA-4BC-4CA Eng. 4CC-4FA-4FB-4FC Eng. 4FD 2496 cc.	93.65	894F6507A1B 1050570 894F6505A1B 6200033	IN EX	R4631/RCR R4632/RCR	42 36.3	9 9	124.5 124	I I	30° 45°
1982	4	Granada 2.3 D - LD Scorpio 2.3 D - LD Sierra 2.3 D - LD Eng. LXD 2 2304 cc.	94	83EM6507AA 78EM6505AA	IN EX	R3658/S R3443/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	30° 45°
1982/84	4	Granada 2.5 LD - GLD Eng. XD 3 2498 cc.	94	83EM6507BB 83EM6505AB	IN EX	R4018/S R4019/BMCR	42.5 35.5	8.5 8.5	116 116.2	E E	45° 45°
1993	4	Mavreick 2.7 TD Eng. TD27-TD27T 2663 cc.	96	1952666 1962501	IN EX	R4923/SNT R4924/RNT	43.5 38	8 8	117 117	M M	45° 45°

FORD TRACTOR

1952/56	4	Fordson Major Eng. 4D 3260 - 3610cc.	100	EIADDN6507 EIADDN6505B EIADDN6505C	IN EX EX	R0444/N R0953/XB R3040/R	44 39 39	9.5 9.5 9.5	158.5 156.5 156.5	K H D	30° 30° 30°
1957/95	6	Fordson Super Major Eng. 6D 5416 cc.									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/81	6	D/N Series - R Series Eng. 360 DT Turbo 5945 cc. Eng. 2713E-365 5948 cc.	104.77	723F6507GAA 723F6505GAA	IN EX	R3943/S R3944/R	45 39	9.5 9.5	155.5 156.5	M M	30° 30°
1965	3	Dexta 2000 Eng. LD 2502E-158 Eng. 2588 cc. Super Dexta 3000 Eng. ND 2504E-175 2870 cc.	106.68								
	4	Super Major 5000 Eng. RD256 4196 cc.									
1964	3	Major 4000 - 4100 Eng. 183 3010 cc. Major 4000 - 4600 Eng. PD2506E- 201 Eng. PD2512E-201 3294 cc.	111.76								
1975	4	Major 6600 - 6700 Eng. 6Y/7A 4395 cc.									
	6	Major 8600 - 8700 Eng. 401 6572 cc. O/S Stem dia. 0.003 O/S Stem dia. 0.015		C5NE6507A C5NE6505A C5NE6507B C5NE6505B C5NE6507C C5NE6505C	IN EX IN EX IN EX	R3511/S R3512/R R3670/S R3672/R R3671/S R3673/R	46 38.5 46 38.5 46 38.5	9.4 9.4 9.5 9.5 9.8 9.8	146 146 146 146 146 146	M K M K M K	45° 45° 45° 45° 45° 45°
1972	4	7600		D0NN6507J D6NN6505A	IN EX	R3526/S R3527/R	46.5 38.5	9.4 9.4	146 146	M K	30° 45°

HONDA

1984	4	City - Jazz Eng. ER 1232 cc.	66	14711-PC0000 14721-PC0000	IN EX	R4424/SNT R4425/RNT	30 24	6.6 6.6	117 117	H H	45° 45°
1972/77	4	Civic 1200 Eng. EB1 1169 cc.	70	14711-611000 14721-611000	IN EX	R3801/RCR R3802/RCR	34 30	6.6 6.6	112.8 112.7	H H	45° 45°
1979	4	Ballade - Civic 1300 Eng. EJ/EN 1335 cc. Civic 1500 Eng. CVC 1488 cc.	72 74	14711-634920 14721-634920	IN EX	R3799/RCR R3800/RCR	36 32	6.6 6.6	109.5 109.5	H H	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
EIADDN6510A	G2374	IN/EX	76	9.53	15.92	G	L
12208-634-000	G3573	IN	52	6.60	12.11	G	L-X
12209-634-000	G3574	EX	63	6.60	12.11	G	L
12209-634-670	G11091	EX	57	6.60	12.11	G	L
12208-634-000	G3573	IN	52	6.60	12.11	G	L-X
12209-634-000	G3574	EX	63	6.60	12.11	G	L
12209-634-670	G11091	EX	57	6.60	12.11	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE
remarks

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FORD TRACTOR

HONDA





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	4	Jazz 1.2 Dsi Eng. A12A1 1246 cc.	73	14711-PWA000 14721-PWA000	IN EX	R6591/SNT R6592/RNT	32 28	5.5 5.5	118.3 118	E E	45° 45°
2003	4	Jazz 1.4 Dsi Eng. L13A1 1339 cc.									
2008 NEW	4	Civic VII 1.4 i 16V Jazz III 1.4 i 16V Eng. L13Z1 1339 cc.	73	14711-RB0-000 14721-RB0-000	IN EX	R6801/SNT R6802/RNT	27.95 23	5.5 5.5	118.9 117.57	S S	45° 45°
1973	4	Ballade - Civic 1300 Eng. EV (3 Valve) 1342 cc.	74	14711-PE0000 14721-PE0000	IN EX	R4522/SNT R4523/RNT	27 32	6.6 6.6	112.8 113.8	E E	45° 45°
1983	4	Ballade 1500 Civic 1500 Shuttle 1500 Eng. EW (3 Valve) 1488 cc.									
1999/02	4	Logo 1.3 i 16V Eng. D13B7 1343 cc.	75	14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	R6232/SNT R6233/BMNT	30 26	5.5 5.5	118.6 116	S S	45° 45°
1988 1992 1994 1988 1992	4	Civic Hatchback 16V Civic Sedan 16V Civic Coupè 16V Civic Shuttle 4WD 16V Civic CRX Eng. 1493 - 1595 cc.	75 81	14711-PM3000 14721-PM3000	IN EX	R4900/SNT R4901/RNT	29 24.9	5.5 5.5	115 118.7	E E	45° 45°
1988 1989 1988	4	Civic 1.6 16V Concerto 1.6 16v CR-X 1.6 16V Eng. D16A 1590 cc.	75	14711-PG6000 14721-PG6000	IN EX	R4912/SNT R4913/RNT	30 27	6.6 6.6	105.5 104.6	E E	45° 45°
1998 1995 1995/01 1997	4 4 4 4	Accord 1.6 i 16V Eng. D16B6 Civic 1.4 i 16V Eng. D14Z1/Z2/Z4/Z5 1396 cc. Civic 1.6 i 16V Eng. D16Y5/Y6 Civic 1.6 i 16V Eng. D16B2 1590 cc.	75	14711-P08000 14711-P2A000 14711-P1JE00 14721-P08000 14721-P2A000 14721-P1JE00	IN EX	R6232/SNT R6233/BMNT	30 26	5.5 5.5	118.6 116	S S	45° 45°
1999	4	HR-V 1.6 Vtec 16V Eng. D16W1/W5 1590 cc.		14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	R6232/SNT R6233/BMNT	30 26	5.5 5.5	118.6 116	S S	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001 2005	4	Stream 1.7 i Vtec 16V FR-V 1.7 i Vtec 16V Eng. D17A2 1668 cc.	75	14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN	R6232/SNT	30	5.5	118.6	S	45°
							26	5.5	116	S	45°
1978	4	Accord - Prelude 1800 Eng. EK 1750 cc.	77	14711-PC1000 14721-PC1000	IN	R4524/SNT	36	7	113.2	E	45°
							30	7	113.2	E	45°
1979	4	Accord 1600 Prelude 1600 Eng. EP 1602 cc.	77	14711-PB2000 14711-689000 14721-689660	IN	R4902/SNT	35	7	113.3	E	45°
							34	7	113.8	E	45°
1983	4	Accord 1600 Eng. EY (3 Valve) 1598 cc. Accord - Prelude 1800 Eng. ES (3 Valve) 1829 cc.	80	14711-PC6000 1472-1PC6000	IN	R4422/SNT	30	6.6	120.5	E	45°
							35	7	120.7	E	45°
1989	4	Prelude 16V Eng. B20A 1958 cc.	81	14711-PH3000 14721-PH3000	IN	R4905/SNT	33	6.6	104.5	E	45°
							28	6.6	106	E	45°
1991/01 1992/98	4	Civic 1.6 VTI 16V CR-X 1.6 VTI 16V Eng. B16A2 1590 cc.	81	14711-PR3000 14721-PR3000	IN	R6405/SNT	33	5.5	102.3	S	45°
							27.9	5.5	102.5	S	45°
2002	4	CR-V 2.0i 16V V-TEC Eng. K20A4 1998 cc.	81	14711-RNA-000 14721-P2A-000	IN	R6559/SNT	32	5.5	116.7	S	45°
							26	5.5	116	S	45°
2005 2006	4	FR-V 1.8i 16V V-TEC Eng. R18A1 Civic 1.8i 16V V-TEC Eng. R18A2 1799 cc.	81	14711-RNA-000 14721-P2A-000	IN	R6559/SNT	32	5.5	116.7	S	45°
							26	5.5	116	S	45°
2008 NEW	4	Accord VII 2.0 16V Eng. 20A3 1997 cc.	81	14711-R60-U00 14721-P2A-000	IN	R6803/SNT	33	5.5	117.85	S	45°
							25.95	5.5	115.90	S	45°
1985	6	Legend V6 24V Eng. C25A 2494 cc.	84	14711-PH3000 14721-PH7000	IN	R4905/SNT	33	6.6	104.5	E	45°
							27.5	6.6	106.5	E	45°
1995	4	CR-V 2.0 i 16V Eng. B20B 1973 cc.	84	14711-P75A00 1472-1P75A00	IN	R6098/SNT	31	6.55	105.5	E	45°
							28	6.55	106	E	45°
1993 1993	4	Accord 1.8i 16V Eng. F18A3 1850 cc. Accord 2.0 16V Eng. F20A3 1997 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN	R4907/SNT	34	5.5	112.1	E	45°
							29	5.5	123.5	E	45°

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Accord 1.8 i 16V Eng. F18B2 1850 cc.	85	14711-PDAE00 14721-PDAE00	IN EX	R6403/SNT R6404/RNT	34 29	5.5 5.5	116 114.2	S S	45° 45°
1998/01	4	Accord 2.0 i 16V Eng. F20B6 1997 cc.									
1992	4	Accord 16V Eng. F22 2155 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	R4907/SNT R4908/RNT	34 29	5.5 5.5	112.1 123.5	E E	45° 45°
1993 NEW	4	Accord 2.2 Eng. F22A8 2157 cc.	85	14711-P13000 14721-P13000	IN EX	R6666/SNT R6667/RNT	35 30	5.5 5.5	106.7 106.9	S S	45° 45°
1996/98	4	Accord 2.2 i Vtec 16V Eng. F22Z2 2156 cc.	86	14711-PDAE00 14721-PDAE00	IN EX	R6403/SNT R6404/RNT	34 29	5.5 5.5	116 114.2	S S	45° 45°
1998 1998		Accord 2.3 i 16V Shuttle 2.3 i 16V Eng. F23A7 2254 cc.									
2003	4	Accord 2.0i 16V V-TEC Eng. K20A6	86	14711-PNA-000 14721-PNA-000	IN EX	R6555/SNT R6556/RNT	35 29.9	5.5 5.5	109.1 108.6	S S	45° 45°
2005		FR-V 2.0i 16V V-TEC Eng. K20A9		14721-PRB-000							
2002/06		CR-V 2.0i V-TEC 16V Eng. K20A4 1998 cc.									
1987	6	Legend V6 24V Eng. C27A 2675 cc.	87	14711-PH3000 14721-PH7000	IN EX	R4905/SNT R6234/RNT	33 27.5	6.6 6.6	104.5 106.5	E E	45° 45°
1992/93	4	Prelude 2.3 Si 16V Eng. H23A1 2300 cc.	87	14711-PT2000 14721-PT2000	IN EX	R4914/SNT R4915/RNT	34 29	6.6 6.6	103.5 102.75	E E	45° 45°
1998 NEW	4	Prelude 2.2 V-TEC Eng. H22A5 2157 cc.	87	14711-P13000 14721-P13000	IN EX	R6666/SNT R6667/RNT	35 30	5.5 5.5	106.7 106.9	S S	45° 45°

HONDA DIESEL

2002	4	Civic 1.7 CDTI 16V Eng. 4EE2 1686 cc.	79	147111PLZ-D00 14721-PLZ-D00	IN EX	R6136/RNT R6137/RNT	27.5 26.5	6 6	98.5 98.1	S S	45° 45°
1996	4	Accord 2.0 TDI 16V Civic 2.0 TDI 16V Eng. 20T2N 1994 cc.	84.5	14711-P5TG01 14721-P5TG01	IN EX	R6119/SNT R6120/RNT	37.2 32.5	7 7	86.7 86.7	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005	4	Civic 2.2 i - CTDI CR-V 2.2i 16V -CTDI FR-V 2.2i 16V-CTDI Eng. N22A1 - N22A2 2204 cc.	87	14711-RBD-E00 14721-RBD-E00	IN EX	R6557/SNT R6558/RNT	28	5.5	100.7	S	45°
							26	5.5	100.4	S	45°
2008 NEW	4	Accord 2.2 i DITEC CRV 2.2 i DTEC Eng. N22B1 - N22B3 2199 cc.	85	14711-RL0-G00 14721-RL0-G50	IN EX	R6741/SNT R6742/RNT	27.9	5.5	98.9	S	45°
							26	5.5	98.9	S	45°

HÜRLIMANN




		ELITE 6115 H358 - 361 - 362 - 466 H478 XA655 - 606 XE305 - 306 - 361 XF481 - XN706 - 707 XT908 - 910 - 911		010.6016.0 066.1421.0	IN EX	MI5186/BMNT MI3786/BMNT	44 39.5	9 9	131 130.5	E E	30° 45°
		ELITE 6135 PRESTIGE 488 SX1360 - XE307 XF476 - 491 XN707 - 709 XT909 - 913		010.6017.0 010.6022.0	IN EX	MI5187/SARCR MI5188/BMCR	44 39.5	9 9	130.5 130.5	E E	30° 45°
		ELITE 4105 - 6135 H372 - 488T XE307 - XF491 XT909 - 910		081.1420.0/01 066.1421.0	IN EX	MI4203/SARNT MI3786/BMNT	44.2 39.5	9 9	130.8 130.5	E E	30° 45°
		H356 - 466 - 476		066.1420.0 066.1421.0	IN EX	MI3785/SNT MI3786/BMNT	43 39.5	9 9	130.80 130.5	E E	45° 45°
		H360 - 470 - 480 H490T - 496T H5110 - 5116 H6130 - 6136 - 6170		009.7266.0 009.7267.0	IN EX	MI5169/SCR MI5170/BMCR	49 42.5	10 10	159.8 159.6	A A	30° 45°
		H355 - 361		042.1420.2/01 071.1420.2/01	IN EX	MI3782/BMCR MI3784/BMCR	44 42	8 8	147.8 147.8	E E	45° 45°
		H345 - 351		052.1420.0/01 039.1420.2/01 039.1421.0/02	IN IN EX	MI3395/SNT MI3708/SNT MI3457/RNT	42 42 39.80	9 9 9	148 148 148	E E E	45° 45° 45°

HYUNDAI

1998	4	Atos 1.0 i 12V Prime 1.0 i 12V Eng. G4HC 999 cc.	66	22211-02500 22212-02500	IN EX	R6169/SNT R6170/RNT	23	5.5	100.3	S	45°
							27	5.5	100	S	45°
2008		i 10 1.1 12V Eng. G4HG 1086 cc.	67	22211-02200 22212-02200	IN EX	R6568/SNT R6569/RNT	23.50	5.5	99.57	S	45°
							27	5.5	99	S	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	4	i 10 - 1.2 16V i 20 - 1.2 16V Eng. G4LA 1248 cc.	71	22211-03200	IN	R6572/SNT	26.7	5.5	101.15	S	45°
				22211-03201 22212-03200 22212-03201	EX	R6573/RNT	24.1	5.5	101.3	S	45°
2011 NEW	3	i10 1.0 12V Eng. G3LA 998 cc.	71	22211-04000	IN	R6813/SNT	26.75	5.5	93	S	45°
				22212-04000	EX	R6814/RNT	24.10	5.5	93.40	S	45°
1994	4	Accent 1.3 i 12V Eng. G4N 1341 cc.	71.5	22211-22003	IN	R6250/SNT	27.4	6	99	S	45°
1999		Accent 1.3 i 12V Eng. G4EK 1341 cc.		22212-22011	EX	R6251/R	32	6	98.4	S	45°
1974	4	Pony Eng. G36 1238 cc.	73	MD000480	IN	R3829/S	38	8	106	H	45°
	4	Pony - Stellar Eng. 4G33 1439 cc. Stellar Eng. G32B 1594 cc.		MD000481	EX	R3830/RCR	31	8	102.5	H	45°
1994	4	Accent 1.2 i 12V Eng. G4K 1495 cc.	75.5	22211-22003	IN	R6250/SNT	27.4	6	99	S	45°
	1999	4		Accent 1.2 i 12V Eng. G4EB 1495 cc.	22212-22011	EX	R6251/R	32	6	98.4	S
2005	4	Getz 1.4 16V Accent 1.4 16V Verna 1.4 16V Eng. G4EE 1399 cc.	75.5	22211-26600	IN	R6241/SNT	29.1	6	91.9	S	45°
				22212-26600	EX	R6242/RNT	25	6	92.4	S	45°
2001/04	4	Coupè 1.6 i 16V	76.5	22211-26600	IN	R6241/SNT	29.1	6	91.9	S	45°
2000/04		Elantra 1.6 i 16V		22212-26000	EX	R6242/RNT	25	6	92.4	S	45°
2003/04		Getz 1.6 i 16V									
2001/04		Matrix 1.6 i 16V Eng. G4ED 1599 cc.									
2008	4	i 20 - 1.4	77	22211-2B000	IN	R6566/SNT	31.5	5.5	93.2	S	45°
2008		i 30 - 1.4 16V Eng. G4FA 1396 cc.		22212-2B400 22212-2B000	EX	R6567/RNT	26	5.5	92.6	S	45°
2008		i 30 - 1.6 16V Eng. G4FC 1591 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-02500	G11324	IN/EX	48	5.5	10.06	G	L-X
	GS11324	IN/EX	48	5.5	10.06	SM	L-X
22114-02500	G11324	IN/EX	48	5.5	10.06	G	L-X
	GS11324	IN/EX	48	5.5	10.06	SM	L-X
22114-22905 22115-22905	G11418	IN	42.7	6	11.10	G	
	G11419	EX	39	6	11.10	G	
MDO - 00461 MDO - 00471	G2737	IN	43.3	8	13.11	G	L-X
	G2738	EX	48	8	13.11	G	L
22114-22905 22115-22905	G11418	IN	42.7	6	11.10	G	
	G11419	EX	39	6	11.10	G	
22114-26000 22115-26000	GS11461	IN	36.5	6.01	11.06	SM	L-X
	GS11462	EX	41	6.01	11.06	SM	L-X-U
22114-26000 22115-26000	G11098	IN/EX	40	6	11.07	G	L-X
	G11099				11.12		
	GS11098	IN/EX	40	6	11.07	G	L-X
22114-26000 22115-26000	GS11461	IN	36.5	6.01	11.06	SM	L-X
	GS11462	EX	41	6.01	11.06	SM	L-X-U
22114-2B000	G11478	IN/EX	40.5	5.5	10.05	G	L-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
22231-4A001	PI 06-0019	I
	PI 06-0020	I
	PI 06-0020	I
	PI 06-0020	I



NOTE
remarks

HYUNDAI





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2010 2011 2011 2011	4	ix 35 1.6 16V i 40 1.6 16V i 30 1.6 16V Velster 1.6 16V Eng. G4FD 1591 cc.	77	22211-2B000 22211-2B400 22212-2B000	IN EX	R6566/SNT R6567/RNT	31.5 26	5.5 5.5	93.2 92.6	S S	45° 45°
2001	4	Lantra 1.6 16V Eng. G4DR 1599 cc.	77.4	22211-33000 22212-33000	IN EX	R6248/SNT R6249/RNT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
2002/04 2000/04	4	Coupè 2.0 i 16V Elantra 2.0 i 16v Eng. G4GC 1975 cc.	82	22211-23000 22212-23000	IN EX	R6407/SNT R6408/RNT	32 27.5	6 6	102.3 104.7	S S	45° 45°
2001/04	4	Matrix 1.8 i 16V Eng. G4GB 1795 cc.	82	22211-23000 22212-23000	IN EX	R6407/SNT R6408/RNT	32 27.5	6 6	102.3 104.7	S S	45° 45°
2004 2004	4	Tucson 2.0i 16V Trajet 2.0i 16V Eng. G4GC 1975 cc.	82	22211-23600 22212-23600	IN EX	R6585/SNT R6586/RNT	32 27.5	6 6	114.4 116.6	S S	45° 45°
1998/01 2000 2000 1998/01 1998/01	4	Sonata 2.0 i 16V Trajet 2.0 i 16V Santa Fe 2.0 i 16V Eng. G4JP 1997 cc. Sonata 2.4 i 16V H1 2.4 i 16V 2351 cc. Eng. G4CS 2351 cc.	85 86.5	22211-33000 22212-33000	IN EX	R6248/SNT R6249/RNT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
2008 2010 NEW	4	Sonata 2.0 16V VVTI ix 35 2.0 16V Eng. G4KD 1998 cc.	86	22211-2G000 22212-25002	IN EX	R6811/SNT R6812/RNT	35 28.96	5.5 5.5	113.30 106	S S	45° 45°
2002 2001 2002 2001 2004	V6	Coupè 2.7 i V6 24V Sonata 2.7 i V6 24V Trajet 2.7 i V6 24V Santa Fe 2.7 i V6 24V Tucson 2.7 i V6 24V Eng. G6B4 2656 cc.	86.7	22211-37201 22212-37200	IN EX	R6409/SNT R6410/RNT	32 27.5	6 6	96.2 97.3	S S	45° 45°
2004	V6	Tucson 2.7 V6 24V Eng. G6BA 2656 cc.	86.7	22211-23600 22212-23600	IN EX	R6585/SNT R6586/RNT	32 27.5	6 6	114.4 116.6	S S	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2005	4	Accent 1.5 CRDi 16V Getz 1.5 CRDi 16V Verna 1.5 CRDi 16V	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2004		Matrix 1.5 CRDi 16V Eng. D4FA 1493 cc.									
2008	3	i 10 1.1 CRDi 12V Eng. D3FA 1120 cc.	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2008 2010 2011	4	i 20 1.4 CRDi ix 20 1.4 CRDi ix 30 1.4 CRDi Eng. D4FC 1396 cc.	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2008	4	i 20 1.6 CRDi 16V i 30 1.6 CRDi 16V Eng. D4FB 1582 cc.	77.2	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2010 2011	4	ix 35 1.7 CRDi 16V i 40 1.7 CRDi 16V Eng. D4FD 1685 cc.	77.2	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
1997	4	Lantra 1.9 D Eng. XUD9AY Peugeot 1905 CC.	83	22211-29000 22212-29000	IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
2002 2002 2002	3	Accent 1.5 CRDi 12V Getz 1.5 CRDi 12V Matrix 1.5 CRDi 12V Eng. D3EA VM R315 1496 cc.	83	22211-27000/01 22212-27000/01	IN EX	R6239/SNT R6240/RNT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2001 2001 2001 2004 2007	4	Trajet 2.0 CRDi 16V Santa Fe 2.0 CRDi 16V Elantra 2.0 CRDi 16V Tucson 2.0 CRDi 16V i 30 2.0 CRDi 16V Eng. D4EA VM Eng. 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	R6239/SNT R6240/RNT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2010 NEW	4	ix 35 2.0 CRDi 16V Santa Fe II 2.0 CRDi 16V Eng. D4HA 1995 cc.	84	22211-2F000 22212-2F000 22212-2F010	IN EX	R6809/SNT R6810/RNT	29 26	6 6	108.5 108.3	I I	45° 45°
2009 2012 NEW	4	Santa Fe II 2.2 CRDi 16V Santa Fe III 2.2 CRDi 16V Eng. D4HB 2199 cc.	85.4	22211-2F000 22212-2F010	IN EX	R6809/SNT R6810/RNT	29 26	6 6	108.5 108.3	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-2A000	G11477	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	G11571	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	GS11477	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	GS11571	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	G11477	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	G11571	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	G11477	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	G11571	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	G11477	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	G11571	EX	31.5	5.5	11.03	G	C.I.-U
	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
22114-27000	G11424	IN/EX	36.6	6.00	11.05	G	C.I.
22114-27000	GS11424	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-27000	G11424	IN/EX	36.6	6.00	11.05	G	C.I.
	GS11424	IN/EX	36.6	6.00	11.05	SM	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
	PI 06-0019	I
	PI 06-0019	I
	PI 06-0019	I
24170-27001 24180-27000	RA06-936 RA06-937*	
24170-27001 24180-27000	RA06-936 RA06-937*	

NOTE
 remarks





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 VERSIONE LUNGA
 LONG VERSION

RA06-937
 VERSIONE LUNGA
 LONG VERSION

HYUNDAI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003 2008 NEW	4	H 200 2.5 CRDI 16V H1 2.5 CRDI 16V Eng. D4CB 2497 cc.	91	22211-4A061 22212-4A061	IN EX	R6466/SNT R6467/RNT	31.7 28	7 7	110.5 110.5	I I	45° 45°
1991	4	Galopper 2.5 TD Eng. D4BH 2476 cc.	91.1	22211-42850 22212-42850	IN EX	R4537/SNT R4538/RNT	40 34	8 8	136.5 136.5	EE EE	45° 45°
1993	4	Porter 2.5 D Eng. D4BA-D4BX 2476 cc.	91.1	22211-42850 22212-42850	IN EX	R4537/SNT R4538/RNT	40 34	8 8	136.5 136.5	EE EE	45° 45°
1991/98	4	Galopper 2.5 Tdi Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	R6102/BMNT R6103/BMNT	40 34	8 8	130.2 130	EE EE	45° 45°
1991 1998	4 4	H1 2.5 D - TD Eng. D4BB - D4BF H1 2.5 Tdi Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	R6102/BMNT R6103/BMNT	40 34	8 8	130.2 130	EE EE	45° 45°
1993/01	4	H100 2.5 D - TD Eng. D4BA-D4BF-D4BX 2476 cc.	91.1	22211-42520 22212-42520	IN EX	R6102/BMNT R6103/BMNT	40 34	8 8	130.2 130	EE EE	45° 45°
2001	4	Terracan 2.5 TDI Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	R6102/BMNT R6103/BMNT	40 34	8 8	130.2 130	EE EE	45° 45°
2001	4	Terracan 2.9 CRDi 16V Eng. J3TCI 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	R6171/SNT R6172/RNT	34 31.6	7 7	126.2 126	E E	45° 45°

INNOCENTI

1990	4	Koral 45 Eng. 146A.000 903 cc.	65	4265695 4266321	IN EX	R3561/SCR R3359/RCR	29 26	7 7	95.5 95.5	EE I	45° 45°
1991/96	4	Elba 1.3 Eng. A46A5.000 1301 cc.	76	4412816 4412822 4340119	IN EX	R3592/SCR R3529/RCR	36.5 29	8 8	110 110.5	EE EE	45° 45°
1994	4	Mille 1.0 ie Eng. 146C7.000 994 cc.	76	4340118 4340119	IN EX	R3528/SCR R3529/RCR	34 29	8 8	110.5 110.5	EE EE	45° 45°
1990	4	Koral 55 1.1 Eng. 146A4.000 1116 cc.	80	4239917 4315062	IN EX	R3323/SCR R3324/RCR	36 31	8 8	108.5 109	EE EE	45° 45°
1993/01	4	Elba 1.4 ie Eng. 146C5.000 1372 cc.	80.5	46531590 4315062 4239918 5973128	IN EX	R4252/SCR R3324/RCR	37.5 31	8 8	108.5 109	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-4A000 22115-4A000	G11490 G11491	IN EX	43.3 39.4	7 7	12.06 12.06	G G	L-X L-X
22114-42520 22115-42520	G3217 G3218	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
22114-42520 22115-42520	G3217 G3218	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
22114-42000 22115-42000	G11327 G11328	IN EX	71 74	8.00 8.00	13.07 13.07	G G	L-X L-X-U
22114-42000 22115-42000	G11327 G11328	IN EX	71 74	8.00 8.00	13.07 13.07	G G	L-X L-X-U
22114-42000 22115-42000	G11327 G11328	IN EX	71 74	8.00 8.00	13.07 13.07	G G	L-X L-X-U
22114-42000 22115-42000	G11327 G11328	IN EX	71 74	8.00 8.00	13.07 13.07	G G	L-X L-X-U
OK551-10-281	G11483	IN/EX	52.7	7	12.05	G	C.I.-U
4265699 4372331	G2196 G2197	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4373602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
4152447	PI 03-102	M
4152447	PI 03-102	M






 NOTE
remarks

HYUNDAI DIESEL

INNOCENTI

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1993/01	4	Mille 1.4 ie Eng. 160A1.046 1372 cc.	80.5	7609772	IN	R4252/SCR	37.5	8	108.5	EE	45°	
				4315062	EX	R3324/RCR	31	8	109	EE	45°	
				4239918								
				5973128								
1991/96	4	Elba 1.6 ie Eng. 146C6.000 1581 cc.	86.4	46531590	IN	R4252/SCR	37.5	8	108.5	EE	45°	
				4315062	EX	R3324/RCR	31	8	109	EE	45°	
				4239918								
				5973128								

INNOCENTI DIESEL

	4	Mille 1.7 D Eng. 146B2.000 1697 cc.	82.5	5990532	IN	R3953/SCR	37.5	8	117	EE	45°
				5990533	EX	R3954/RCR	33.5	8	117	EE	45°

INTERNATIONAL HARVESTER

1953/63	2	Tractor D214 - S - D215 Eng. DD66 1088 cc.	82.55	713384R2	IN	R3711/S	36	8.7	147.7	D	45°
				713385R2	EX	R3712/S	32	8.7	147.5	D	45°
	3	Tractor D320 - D322 Eng. DD99 1631 cc.									
	4	Tractor D430 - 432 Eng. DD132 2175 CC.									
	2	Tractor D217 - D219 Eng. DD74 1217 cc.	87.31								
	3	Tractor D323 - D324 D326 Eng. DD111 1825 cc.									
1965	3	Tractor D523 - 633 Eng. D179 2933 cc.	98.42	3055055R2	IN	R3513/S	43	10	146	E	45°
				3055056R2	EX	R3514/BM	41	10	146	E	45°
1965	4	Tractor SU 644 HD Eng. D239									
1972	4	Tractor 856 XL Eng. TD 239 Turbo 3910 cc.									
1965	6	Tractor 520A - 946A Eng. D358 5860 cc.									
1972	6	Tractor 125E - 520B Eng. TD 358 Turbo 5860 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
3044492R1 3044493R1	G2721 G2722	IN EX	82.5 76	8.74 8.72	14.31 14.31	G G	C.I. C.I.-U
3055022R1	G3199 G3545	IN/EX IN/EX	79 77.2	10 9.91	16.07 16.06	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M


NOTE
remarks



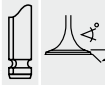
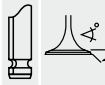
INNOCENTI

INNOCENTI D.

INTERNATIONAL HARVESTER

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
ISUZU											
1989	4	Impulse Eng. 4ZD1 2254 cc. Trooper II Eng. 4ZE1 2559 cc.	89.3	894174221 894174222 894447025	IN	R6245/SNT	44.1	8	108.6	M	45°
			92.6	894174223 894447026	EX	R6246/RNT	37	8	108.1	M	45°
ISUZU DIESEL											
1984	4	Chevrolet Spectrum Gemini D Eng. 4EC1 1488 cc. Gemini TD Eng. 4EC1 Turbo 1488 cc.	76	8943268430 8941100173 8941150592	IN EX EX	R4546/SCR R4547/RCR R4548/RARCR	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1980	4	Florian SII - Journey S Fester Rodeo Eng. C190 1951 cc.	86	5125510280 5125520340	IN EX	R4534/S R4535/RCR	40 34	8 8	115.8 115.8	EE EE	45° 45°
1969		Elf 150 - 250 TLD Eng. C240 2369 cc.									
1979	4	Luv - Truck Rodeo Bighorn Trooper 4x4 Eng. C223 1951 cc.	88								
1988/92	4	Trooper TD Eng. 4JB1T 2771 cc.	93	8-94547-875-1 8-94133-275-1	IN EX	R6235/SNT R6236/RNT	40.1 35.5	8 8	118 118	EE EE	45° 45°
1998 NEW	V6	Trooper 3.2 V6 24V Eng. 6VD1 3165 cc.	97	641049 97131961 641360 97131962	IN EX	R6345/SNT R6346/RNT	34 29	6 6	103.8 103.5	S S	45° 45°
2001	4	Trooper 30.TD Eng. KJX1 3000 cc.		8971371540 8971371551	IN EX	R6201/SNT R6202/RNT	33 33	7 7	98.2 98.1	S S	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
8-94206762-0	G2804	IN	46	7.98	12.06	G	L
8-94206763-0	G2805	EX	55	7.98	12.06	G	L
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L
5-11721-016-0	G3563	IN/EX	50	8	14.04	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I




NOTE remarks

ISUZU

ISUZU DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1973	4	Elf 250 Eng. 4BA1 2775 cc.	98								
	6	Eng. D500 4978 cc.									
	4	Elf 250 Eng. 4BC1 3268 CC.									
	6	Eng. 6BD1 5785 cc.									
1973	4	Elf 350 Eng. 4BB1 3595 cc.	102								
1979	6	Eng. 6BF1 6130 cc.	105								

IVECO

2005	4	Daily 2.3 Unijet 16V Eng. F1AE481B 2287 cc.	88	504069199	IN	R6339/SCR	30	6	120.4	I	45°
				500362856	EX	R6340/BMCR	30	6	120.35	I	45°
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 Up to eng. N. 20125 2445 cc.	93	4733348	IN	R4504/BMNT	40.9	8	121.9	EE	30°
				4733349	EX	R3597/BMNT	32.9	8	122	EE	45°
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 From eng. N. 161918 Up to eng. N. 452000 2445 cc.	93	4757358	IN	R3642/BMNT	41	8	120.9	EE	30°
				4733349	EX	R3597/BMNT	32.9	8	122	EE	45°
1978	4	Daily - Ducato - Grinta Eng. 8144.61 2445 cc.	93	4733348	IN	R4504/BMNT	40.9	8	121.9	EE	30°
				4757358	IN	R3642/BMNT	41	8	120.9	EE	30°
				4733349	EX	R3597/BMNT	32.9	8	122	EE	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
5-11721-001	G3562	IN/EX	60	9	14.04	G	L
504053804	G11388 G11389 G11390 G11391 G11587	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN/EX	49	6	10.05	B	L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN/EX	56	8.03	13.03 13.08 13.03 13.08	G	C.I. L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN/EX	56	8.03	13.03 13.08 13.03 13.08	G	C.I. L
4749395 4749397 4726483 4733258	G2713 G2834 G2269 G2270	IN/EX	56	8.03	13.03 13.08 13.03 13.08	G	C.I. L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
504074464	PI 06-008 RA06-916	I
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M


NOTE
 remarks

RA06-916
 L66X19.5R22.83

G11587
 VERSIONE BRONZO

ISUZU DIESEL

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	Daily 2.5 TD id 35/40/45/49.10 A40/45.10 Eng. 8140.21 Turbo 2445 cc.	93	7301820 7301821	IN EX	R3989/RNT R3990/RCR	41 34.5	8 8	120.7 122	EE EE	30° 45°
1989		New Daily 2.5 TD 35/45/49.10 A40/45/49.10 Eng. 8140.27R Turbo Eng. 8140.27A Turbo									
1990/94		40.10 2.5 TD 4X4 Eng. 8140.27 Turbo									
1990		Turbodaily 2.5 TD 35/49/59.12 A45.12 Eng. 8140.47 Turbo									
1990		New Daily 2.5 TD 35/49.10 Eng. 8140.47B/R Turbo Eng. 8140.47S Turbo									
1979	4	Combi-Daily-Grinta 2.5 D Eng. 8140.61 From eng. N. 452001 2445 cc.									
	4	New Daily 2.5 TD Eng. 8140.97 Turbo 2499 cc.	93	7301820 7302157	IN EX	R3989/RNT R3991/RCR	41 34.5	8 8	120.7 122	EE EE	30° 45°
1989	4	New Daily 2.5 D A40.8 Bus 2.5 D Eng. 8140.07 2499 cc. Aspirato	93	4813760 7303309	IN EX	R4684/BMNT R4685/BMNT	41 34.5	8 8	121.9 121.9	EE EE	30° 45°
1996	4	New Daily 2.5 D Eng. 8140.67F 2499 cc.	93	98468338 98418161	IN EX	R4762/BMCR R4715/BMCR	43.5 36.7	8 8	122 122	EE EE	30° 45°
1996	4	Daily 2.8 TD Intercooler Up to eng. N. 3456314 2499 cc.	93	98468338 99432837	IN EX	R4762/BMCR R4887/BMCR	43.5 36	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D Up to eng. N. 2613437 Eng. 8140.63 2798 cc.	94.4	98468338 98418161	IN EX	R4762/BMCR R4715/BMCR	43.5 36.7	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D From eng. N. 2613438 Eng. 8140.63 2798 cc.	94.4	98468338 99432837	IN EX	R4762/BMCR R4887/BMCR	43.5 36	8 8	122 122	EE EE	30° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4749395	G2713	IN	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4726483	G2269	EX	60	8.03	13.03	G	L
4733258	G2270				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
	G11568	IN/EX	56	8.03	13.03	B	C.I.
4749395	G2713	IN/EX	56	8.03	13.03	G	C.I.
4749397	G2834				13.08		
	G11568	IN/EX	56	8.03	13.03	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M
4733350	PI 03-101	M


NOTE
 remarks

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Turbo Daily 2.8 TD id 30/35/40/49.10 A40/45/49.10 Eng. 8140.23 Turbo	94.4	7301820 99432837	IN EX	R3989/RNT R4887/BMCR	41 36	8 8	120.7 122	EE EE	30° 45°
1996		Daily 2.8 TD Intercooler 35/49/59.12 A35/40/45.12 Eng. 8140.43 Turbo									
1999		Daily 2.8 TD Intercooler Eng. 8140.43B/C Eng. 8140.43K Turbo Eng. 8140.43N Turbo Eng. 8140.43R Turbo Eng. 8140.43S Turbo 2798 cc.									
2005	4	Daily 3.0 Unijet 16V Eng. F1CE0481A 2998 cc.	95.8	504072531 504081062	IN EX	R6368/SCR R6369/BMCR	32.4 32.4	6 6	120 119.95	I I	30° 30°
1958/69	4	314 - 414 - 416 645N - 650E - 650N-662 C145N - C40/50 4678 cc.	95	4550817 4550818	IN/D EX	R1484/NNT R1485/RNT	40.5 36.5	9 9	131 131	E E	45° 45°
1968/85	3/4 6	100 - 100EC/NC 109.14 - 110NC 120.13 - 314/3 Bus 314 - 414 - 416 Bus 315/316.13 50/55/60.8 - 50/55NC 612NE - 616N2 616N2/N4 - 616N3 625N1/N2 - 625N3 645N1/N2/N3 65NC/PC 650N1/N2/N3 655N/N1 662N1/N2/N3 672N/N2 80NC - 90NC A90.13 Bus OM100/110N OM40 NC Eng. 8030.01 - 8040.01 Eng. 8060.01 - 8030.02 Eng. 8040.02 - 8060.02 Eng. 8060.12 - 8040.04 Eng. 8060.04	95 100 103	4659379 1902205 4673608	IN/D EX IN/D EX	R3298/NNT R3440/RNT R4630/NNT R4101/RNT	44 37 44 37	8 8 8 8	125.5 125.5 125.5 125.5	E E E E	45° 45° 45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03	G	C.I.
	G11568*	IN/EX	56	8.03	13.03	B	C.I.
500388426 504053804	G11388 G11389 G11390 G11391 G11587	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
561288 561289	G2303 G2305	IN EX	59 69	9.03	15.03	G G	L L
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
4601299 4601300	G2295 G2296 G2297 G2852	IN/EX	49	8.03	14.03 14.08 14.13 14.23	G	L
4648421	G2298 G2299 G2300	IN	56	8.03	14.04 14.09 14.14	G	L
4684422	G2854 G2855 G2856	EX	56	8.03	14.04 14.09 14.14	G	L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	PI 03-101	M
	PI 06-0008 RA06-916	I
98471524	PI 03-106	M


NOTE
 remarks


G11568*
 VERSIONE
 BRONZO

RA06-916
 L66X19.5R22.83
G11587
 VERSIONE BRONZO

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Eurocargo 65/75 E 13/15 Eurocargo 75/80/90/100 E 17 Eng. F4AE 0481 3920 cc.	102	4895052	IN	R6500/SCR	33	7	124.6	EE	30°
				4895051	EX	R6501/BMCR	33	7	124.2	EE	45°
2000	6	Eurocargo 75/80/90/100 E18 Eurocargo 120/130/140 E18 Eurocargo 80/90/100/180 E21 Eurocargo 120/130/140 E24/28 Eurocargo 150/180/320 E24/28 Eng. F4AE 0681 5880 cc.	102	4895052	IN	R6500/SCR	33	7	124.6	EE	30°
				4895051	EX	R6501/BMCR	33	7	124.2	EE	45°
1983	6	115/135.17 Turbo 315.17 Bus Eng. 8060.24 5496 cc.	103	4802204	IN/D	R4540/NNT	44.5	8	125.6	E	30°
				4658055 4673608	EX	R4541/BMNT	37	8	125.7	E	45°
1987	6	79.14 - 115.14 Eng. 8060.05 79.17 - 115.17 Eng. 8060.25 Turbo 5862 cc.	104	99432652	IN	R4232/SNT	45.5	8	125.5	E	30°
1990	4	65E14 Eurocargo 75E14 Eurocargo Eng. 8040.45 Turbo 3908 cc.		1904656 4824416 4784888 4803805	EX	R4233/RNT					
1990	6	80E15/18 Eurocargo 100E15/18 Eurocargo Eng. 8060.25 Turbo 5861 cc.		1908408 99432717 99432718 4784889							
1991	4/6	75E14 Eurocargo Eng. 8040.45 Turbo 3908 cc.		4784890 1904655 1904654 4806717							
1991	4/6	80E21 - 100E21 Eng. 8060.45 Turbo 5861 cc.		1908409							
1987	4	40NC - 50NC - 55NC Eng. 8040.05 3908 cc. 60.11 - 79.12 Turbozeta Eng. 8040.25.200 60E10 - 65E10 - 65E12 75E12 Eng. 8040.25 B4200 3908 cc.	104	99432652	IN	R4232/SNT	45.5	8	125.5	E	30°
				1904656 4824416 4784888 4803805							
	6	75PC - 75PM - 80.14 95.14 - 109.14 Eng. 8060.05.200/201 5861 cc.		1908408 99432717 99432718 4784889 4784890 1904655 1904654 4806717	EX	R4233/RNT	37.5	8	125.5	E	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11489 G11500	IN/EX	50	7.01	13.05 13.09	G	L
	G11489 G11500	IN/EX	50	7.01	13.05 13.09	G	L
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
	G11497 G11498	IN/EX	56	8.03	14.02 14.05	G	L-U
4802126	G3396 G3397 G3398	IN/EX	56	8.03	14.02 14.05 14.15	G	L
	G11497 G11498	IN/EX	56	8.03	14.02 14.05	G	L-U

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS



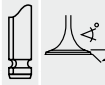
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	PI 03-106	M
98471524	PI 03-106	M


NOTE
 remarks

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				E	°
							D	d	L			
1990	6	Eurocargo 120/130E23 Eng. 8060.45S- Turbo 5861 cc.	104	98497235 99433902	IN EX	R6264/SCR R6265/BMCR	46 38.3	9 9	141.2 141.2	E E	30° 45°	
1966	4	Leoncino A15 Cerbiatto Tigrotto 50/55/65/75 OM80/90/100/110 Eng. C03 4940 cc.	110	8823545 8823544 8823549	IN/D EX	R3329/NNT R3330/SNT	43 36.5	8 8	138 138	E E	45° 45°	
1968	6	673N/NR/T - 130 R/T OM 100/120/130 Eng. CP3 7410 cc.										
1991	6	150/180E27R Eurocargo Eng. 8360.46 Turbo 490E2 - 523/590E2 Bus 370SE Cityclass 22/27 180/190E24 Eurotech Eng. 8360.46B/R/V Turbo Europolis 200E.10.20 Eng. 8360SCR22A00 Turbo 7685 cc.	112	98497241 99438924 1908427 4860107	IN EX	R4892/BMCR R4893/BMCR	47 42.5	9 9	142 142.3	E E	25° 45°	
1977	4	50/55/60/65/70/79 Eng. 8340.04 4570 cc. A70.12 Eng. 8340.05 5400 cc.	115	8824754 4821709 8825776 8830045	IN/D EX	R3438/SNT R3439/SNT	48.5 41	8 8	137.5 137.5	E E	45° 45°	
1979	6	150NC17 - 150NR/NT 159NC17 Eng. 8360.03 8100 cc. 120/140/150 Eng. 8360.04 8102 cc. 120/150/159 Eng. 8360.05 8102 cc.										
	6	Tector Eng. F4AE681A/E 24V 5880 cc.	115	4895052 4895051	IN EX	R6500/SCR R6501/BMCR	33 33	7 7	124.6 124.2	EE EE	30° 45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
98435241EZ	G11100	IN	81	9.02	15.02	G	C.I.
	G11072				15.07		
98474643EZ	G11074*	EX	70	9.02	15.02	G	C.I.
	G11075				15.07		
	G11083*	IN/EX	70	9.02	15.02	G	C.I.
4758794	G2365	IN	55	8	14.05	G	C.I.
4758795	G2366				14.10		
4758796	G2367				14.15		
4758798	G2368	EX	62	8	14.05	G	L
	G2369				14.10		
	G2370				14.15		
4861816	G11077	IN	62	9.02	16.05	G	L
	G11078				16.10		
4861818	G11079				16.25		
4861811	G11080	EX	57	9.02	16.05	G	C.I.
	G11081				16.10		
4861813	G11082				16.25		
4758794	G2365	IN	55	8	14.05	G	C.I.
4758795	G2366				14.10		
4758796	G2367				14.15		
4758798	G2368	EX	62	8	14.05	G	L
	G2369				14.10		
	G2370				14.15		
	G11489	IN/EX	50	7.01	13.05	G	L
	G11500				13.09		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	PI 03-107	M
4753580	PI 03-107	M


NOTE
remarks

C.I.
***G11074** Ø 12
C.I.
***G11083** Ø 13

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	6	Euromover 190/260 E24 Eurotech 190/260/440 E 31 Eurotech 190/260/400 E 35 Cursor 8 24V Eng. F2BE0681/0682 7790 cc.	115	99456803 500354685 504042365 500354682 99457210 500354687 504042363 504078215	IN	R6266/BMCR	40	8	174.5	E	30°
							39	8	173.3	E	45°
1986 1987	6	175.24.00 190.32 GV-TRU 220-260.32 TRU Eng. 8460.21.202	120	61320722 61316814 61318428 61320865	IN	R4772/BMCR	49.5	9	147.3	EE	30°
1991							180E 30/34 R Eurotec 190E 30/38 Eurotec 190.24 TRU Eng. 8460.41	61321255 61315973	EX	R4773/BMCR	43
1991	400E 38 440E 38 Eurotec 240E 38 Eurotec 8460.41.320 9500 cc.										
1986	6	175.24RSU - 370S24 190/240.24 Turbotech 480/580/680 Turbocity Eng. 8460.21 Eng. 8460.21B	120	61320722 61316814 61318428 61321255 61315973	IN	R4772/BMCR	49.5	9	147.3	EE	30°
1987							190/220/260.32 Turbotech 190/240.32GV Turbotech 370 SE Eoroclass 29/35 Eng. 8460.41	61321255 61315973	EX	R4773/BMCR	43
1990	Eurotech/Eurotrakker 180/190/240/260/400E30 Eng. 8460.41C Turbocity 480 Eng. 8460.41D/E 9500 cc.										

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
500391440	G11407	IN	75.5	8.02	13.03	G	C.I.
500391436	G11408 G11409 G11410	EX	75.5	8.02	13.03 13.08	G	C.I.-U
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks

IVECO

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
4647838	G2353 G2354	IN	80	10.03	17.03 17.08	G	L
4647842	G2356 G2357	EX	70	10.03	17.03 17.08	G	L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109*	M


NOTE
 remarks

 *only eng.
 Ø 122

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1975	6	130/150.20NC/NR/NT 140.20 - 150N/R20 159/170.20/NC 190 - 190.20 Eng. 8220.02 X200 370/470.20 Bus 470/570.20 670.20 Bus S-U Effeuno Eng. 8220.12	125	61584588 61583970E 61579364 61584589 61583972E 61579824	IN EX	R3665/SCR R3666/BMCR	53.5 46	9 9	141.5 141.5	E E	30° 45°
1982		165.24/R - 180.24 370/470/671.24 Bus Inbus AS 250 - I 120 U Effeuno Turbo Eng. 8220.02 Turbo Eng. 8220.22/32Turbo 9570 cc.									
1961	6	682 N1/N2/N3/N4 682T/T2/RN2 690 N1/N2/T1/T2 303 - 306 Bus 405 - 410 - 411 Bus Eng. 203 - 203H - 310H 10676 - 11548 cc.	125 130	4535358 4535359 4632840	IN EX EX	R1378/SNT R1379/SNT R1478/BMNT	56 49 49	11 11 11	166.5 166.5 166.5	E E E	45° 45° 45°
2000	6	Eurostar/Eurotech 190/260 Eurostar/Eurotech 440E40/43 Stralis 260/440 4 40/43 Cursor 10 24V Eng. F3AE0681DA/AE 10300 cc.	125	500355776 500355779	IN EX	R6268/BMCR R6269/BMCR	43 42	9 9	202.9 201.6	E E	30° 45°
1963	6	619/683 N/T 690N3/T3 693 N/N1/T/T1/NB/NP Eng. 221.000 12883 cc.	135	4580688 4632840	IN EX	R3251/SNT R1478/BMNT	58 49	11 11	166.5 166.5	E E	45° 45°
2000	6	Eurotrækker Eng. F3B3681B Cursor 13 12900 cc.	135	500355778 500355780 504080352	IN EX	R6270/SCR R6271/BMICR	47 46	10 10	199.3 198.1	E E	30° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	G3228 G3229	IN/EX	67	9	16.05 16.10	G	L
978966	G2319 G2320	IN/EX	86	11.03	19.03 19.08	G	F
500391479 500391476	G11338 G11339	IN EX	97 97	9.02 9.02	15.04 15.04	G G	C.I. C.I.-U
4630627 4647763	G2337 G2338 G2340 G2341	IN EX	86 76	11.03 11.03	18.03 18.08 18.03 18.08	G G	L L
500390993 500394994	G11340 G11341	IN EX	97 97	10.02 10.02	16.03 16.03	G G	C.I. C.I.-U

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M


NOTE
 remarks

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1972/81	6	160/170/180/240 170NC - 180N/NC/NT 190NC - 190/260.26 300 - 320 - 330.26.30 370.26 Bus 421A/AL Bus 619N1/T1/N1P/T1P 690N4/T4 691 N/T/S 697 N/T/NP Eng. 8241.02 - 8210.12 13797 cc.	137	4683025 4683026	IN EX	R3473/XBNT R3474/BMCR	59	11	170	E	45°
							49	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 Up to eng. N. 259269 Eng. 8210.22 13797 cc.	137	4849522 4673862 4673861	IN EX	R4262/BMNT* R4263/BMCR*	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 From eng. N. 258269 Up to eng. N. 298108 Eng. 8210.22 Eng. 8210.22X 13797 cc.	137	98478407 98474603 4673861	IN EX	R6325/BMCR* R4263/BMCR*	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 From eng. N. 298109 Eng. 8210.22 13797 cc. 370S30 From eng. N. 298109 Eng. 8210.22X 13797 cc.	137	98478407 98497025 98474604 98497026	IN EX	R6325/BMCR* R6326/BMCR*	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Eurotrakker 190/380 Eurotrakker 400/720E31 Eng. 8210.22V 13798 cc.	137	4849522 4673862 4673861	IN EX	R4262/BMNT* R4263/BMCR*	57.5	11	170	E	30°
							48	11	170	E	45°
1992	6	Turbostar/Turbotech 190/220/240/260.36 330.36H Eng. 8210.42 Eng. 8210.42R Up to eng. N. 258269 13798 cc.	137	4849522 4673862 4673861	IN EX	R4262/BMNT* R4263/BMCR*	57.5 48	11 11	170 170	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992	6	Turbostar/Turbotech 190/220/240/260.36 From eng. N. 258269 Up to eng. N. 298108 330.36H From eng. N. 258270 Eng. 8210.42 13798 cc.	137	98478407 98474603 4673861	IN	R6325/BMCR*	57.5	11	170	E	30°
					EX	R4263/BMCR*	48	11	170	E	45°
	6	Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 330.36H Up to eng. N. 298108 Eng. 8210.42L/TCA Eng. 8210.42K 13798 cc.	137	98478407 98474603 4673861	IN	R6325/BMCR*	57.5	11	170	E	30°
					EX	R4263/BMCR*	48	11	170	E	45°
1992	6	Turbotech/Turbostar 190/220/240/260.36 From eng. N. 298109 Eng. 8210.42 Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 From eng. N. 298109 Eng. 8210.42L/TCA 330.36 H From eng. N. 298109 Eng. 8210.42K 13798 cc.	137	98478407 98474603 98474604 98497026	IN	R6325/BMCR*	57.5	11	170	E	30°
					EX	R6326/BMCR*	48	11	170	E	45°
	6	Eurostar 190/240/260 Eurostar 400/440E7 Eng. 8210.42M 13798 cc.	137	98478407 98474603 98474604 98497026	IN	R6325/BMCR*	57.5	11	170	E	30°
					EX	R6326/BMCR*	48	11	170	E	45°
1992	6	190/440E42 Eurostar Eng. 8210.42 13798 cc.	137	4695850 98480846 98479276 99452179	IN	R4838/SCR	59	11	170	E	45°
					EX	R4839/BMCR	49	11	170	E	45°
1976	6	370 FL - BUS 370.25 Eng. 8260.02 24V 12876 cc.	145	4776446 4697720 4704215	IN	R3519/SNT	51	10	156.5	E	30°
					EX	R3520/BMCR	45	10	156.5	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4630923	G2343	IN	86	11.03	18.03	G	L
4648237	G2344 G2346 G2347	EX	76	11.03	18.03 18.08	G	L
4672515	G2371	IN/EX	67	10.03	17.03	G	L
4694449	G2372 G2877				17.08 17.13		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99432644	PI 03-109	M
99449378	PI 03-108	M


NOTE
remarks

R6325/BMCR
Retainer stem end
10.5 mm
R4263/BMNT
Retainer stem end
7.5 mm

R6325/BMCR
Retainer stem end
10.5 mm
R4263/BMNT
Retainer stem end
7.5 mm



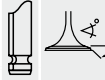
R6325/BMCR
R6326/BMCR
Retainer stem end
10.5 mm

R6325/BMCR
R6326/BMCR
Retainer stem end
10.5 mm

IVECO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1975/77	8	170 NC/NT33 190 NC33 Eng. 8280.01 32V	145	4776446 4697720 4704215	IN EX	R3519/SNT R3520/BMCR	51 45	10 10	156.5 156.5	E E	30° 45°
1976	8	170/190 NC/NT35 170/190/220/240/260/330 370.35 Eng. 8280.02 32V 17174 cc.									
1985	8	190.38 Turbostar 190.42 Turbostar 220/240.38TRU -320.45 Eng. 8280.22 32V Turbo 17174 cc.	145	4797715 4797186 1904657 4813201 4808415 1904658	IN EX	R4260/BMNT R4259/BMNT	51.5 45	10 10	156.5 156.5	E E	30° 45°
1992	V8	Turbostar 190/240/260.48 Eurostar 190/240/260/400 Eurostar 440E52 Eng. 8080.42/S 32V Turbo 17173 cc.	145	4846130 99457452 99444133 99485232 4828299	IN IN EX	R4721/BMCR R6274/BMCR R4722/BMCR	51.6 51.5 45	10 10 10	157.3 157.3 156	E E E	30° 25° 45°

JAGUAR

1961/69	6	2.4 Mk.II 2482 cc.	83	ECH1547 EAC1548	IN EX	R0956/S R0955/RNT	44.5 41	7.9 7.9	106 103.5	EE EE	45° 45°
1957/69	6	XK 150 - 150S Mk VIII 3.4 Mk.II/S 3442 cc.									
1968/73	6	XJ6 Series 1 Sovereign Series 1 2792 cc.	83								
1975	6	XJ 6 XJ 3.4 Series 2 Sovereign Series 2 3442 cc.									
1959/69	6	XK 150 - 150S MK .IX 3782 cc.	86.99								
1965/79	6	MK.X - 420 G XJ 6 - XJ 4.2 4235 cc.	92.075								

JAGUAR DIESEL

2012	4	XF 2.2 TD Eng. 224DT 2179 cc.	85		IN EX	R6595/SCR R6596/BMCR	27.2 25	6 6	95.80 95	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4672515 4694449	G2371 G2372 G2877	IN/EX	67	10.03	17.03 17.08 17.13	G	L
4672515 4694449 4694450	G2371 G2372 G2877 G2373	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
4672515 4694449 4694450	G2371 G2372 G2877 G2373	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
C26198 C26195	G2392 G2393	IN EX	46 49	7.91 7.91	12.78 12.78	G G	L L
0220.A2	G11319 G11320 GS11319	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99449378	PI 03-108	M
99449378	PI 03-108	M
99449378	PI 03-108	M



NOTE
remarks



IVECO

JAGUAR

JAGUAR DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2006	4	Compass 2.0 CRDI 16V Patriot 2.0 CRDI 16V Eng. ECD 1968 cc.	81	68001582AA 68001583AA	IN EX	R6372/S R6373/BM	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
1986	4	Cherokee 2.1 TD Eng. J8S.708/712/714 2068 cc.	86	7701462232 7701461339	IN EX	R3639/S R3640/BM	40	8	111.5	E	45°
							33.5	8	111.6	E	45°
2001	5	Grand Cherokee 2.7 CRD 16V Eng. OM 612 2686 cc.	88	05073735AA 05073738AA	IN EX	R6173/SNT R6174/RNT	30.1	7	104	I	45°
							28.4	7	104.4	I	45°
2005	V6	Cherokee 3.0 CRD V6 24V Eng. OM642.982 2987 cc.	88	05175396AA 05175397AA	IN EX	R6473/SCR R6474/RCR	28.5	6	102.3	I	45°
							25.4	6	102.3	I	45°
1995/99	4	Cherokee 2.5 TD Grand Cherokee 2.5 TD Eng. M51-M52 Eng. HR425-HS492 2499 cc.	92	04720146 04720148	IN EX	R3598/RCR R3599/RCR	40	8	121	E	35°
							34	8	121	E	45°
2003	4	Cherokee 2.8 CRD VM Engine 2776 cc.	92	05066770AA 05066769AA	IN EX	R6460/SCR R6461/BMCR	32.4	6	109	I	45°
							30.9	6	108.3	I	45°
2007 2008 NEW	4	Wrangler 2.8 CRDI 16V Cherokee 2.8 CRDI 16V Eng. ENS 2777 cc.	94	K68027469AA K68027470AA	IN EX	R6817/SCR R6818/BMCR	31.8	6	107.6	I	45°
							29.2	6	107.8	I	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
7701462486	G3251 G3252	IN/EX	49	8.01	13.06	B	C.I.
	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	G11398 G11399 GS11398	IN/EX IN/EX	34.5	6	11.56 11.60 11.56	G SM	C.I. C.I.
	G3126 G3127	IN/EX	55	8	14.07 14.12	G	L
5066773AA	G11476	IN/EX	44.5	6.01	11.03	G	C.I.
5066773AA	G11476	IN/EX	44.5	6.01	11.03	G	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	
	PI 06-0019	


NOTE
 remarks

JEEP DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
JOHN DEERE											
1968/75	3	Tractor 820 - 920 - 1020 Eng. 310/510 2490 cc.	98	T20174T CDX0881 R52251	IN	R3515/SCR	45	9.45	131	M	45°
	4	Tractor 2020 Eng. 710 3320 cc.		R79623 T20157T CDX0634A	EX	R3516/RCR	40	9.45	131	M	45°
1968	3	Tractor 830 - 890 - 930 1030 - 1035 - 1120 1830 - 2120 - 2040 Eng. 3164 DL 2690 cc.	102	R52252 R79624							
1968	4	Tractor 2030 - 2035 3030 Eng. 4219 DL 3590 cc.									
1973	6	Tractor 3030 - 3130 3135 Eng. 3239 DL 5380 cc.									
1974	3	Tractor 940 - 1040 - 1140 - 1630 Eng. 3239 DL 2938 cc.	106.5								
1974	4	Tractor 1640 - 1840 - 2040 - 2130 - 2140 Eng. 4239 DL 3918 cc.									
1974	6	Tractor 3040 - 3140 Eng. 6359 DL 5876 cc. Stessa applicazione spessore testa maggiorato 1 mm			IN EX	R3920/SCR R3921/RCR	45 40	9.45 9.45	131 131	M M	45° 45°
	3	Tractor 1020 - 1120 T Eng. 3164 D 2690 cc.	102	R89219 R51735 T20157T	IN EX	R4372/RCR R3516/RCR	46 40	9.45 9.45	131 131	M M	30° 45°
	4	Tractor 2120 T Eng. 4219 D 3590 cc.		CDX0634A R52252 R79624							

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		

PI **PUNTERIE · LIFTERS**
RA **BILANCIERI**
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks

JOHN DEERE





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
KHD											
1989	2	Eng. F2L 1011 1366 CC.	91	427 2209	IN	R6187/SCR	40	8	124.7	I	45°
	3	Eng. F3L1011 2049 CC.		417 0898 428 0404	EX	R6521/BMCR	41.6	8	124.8	I	30°
	4	Eng. F4L1011 2732 cc.		417 0899	EX	R6188/RCR	34.9	8	124.7	I	45°
1993	4	Eng. BF 4M 1012 3200 cc.	94	420 8095	IN	R6141/SCR	41.7	8	124.7	I	30°
1994	6	Eng. BF 6M 1012 4800 cc.		420 8096	EX	R6142/RCR	35.9	8	124.7	I	45°
				428 0350	IN	R6377/BMCR	41.2	8	124.7	I	45°
				428 0049	EX	R6376/BMCR	35.5	8	124.7	I	45°
				428 3376	IN	R6546/SCR	41.7	8	119.5	I	30°
				428 3377	EX	R6547/BMCR	36	8	119.5	I	45°
1963/97	1	Tactor D15 Eng. F1L812 850 cc.	95	415 3773	IN	R3351/RCR	43	8	133	E	45°
				415 3696	EX	R3352/RCR	37	8	133	E	45°
	2	Tractor D30 - D2005 Eng. F2L812 1700 cc.		213 3730	IN	R4556/RCR	40	8	133	E	45°
				337 1746	EX	R4557/RCR	35	8	133	E	45°
	3	Tractor D40 Eng. F3L812 2550 cc.									
	4	Tractor D50 Eng. F4L812 3400 cc.									
	6	Tractor D8005 Eng. F6L812 Stessa applicazione spessore testa maggiorato 1 mm			IN	R4166/RCR	43	8	133	E	45°
					EX	R4167/RCR	37	8	133	E	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓							
							D	d	L					
1967/72	2	Tractor D2506 - 3006 Eng. F2L912D 1885 cc.	100	415 3773 415 3696	IN EX	R3351/RCR R3352/RCR	43	8	133	E	45°			
		37					8	133	E	45°				
	3	Tractor D4006A - 5006A Eng. F3L912D 2826 cc.												
	4	Tractor D5506A Tractor D60086A Tractor D2003A Eng. F4L912D 3768 cc.												
	5	Tractor DX 85/90 Eng. F5L912D 4712 cc.												
	6	Tractor D2005A Tractor D9006A Eng. F6L912D 5652 cc. Stessa applicazione spessore testa maggiorato 1 mm							IN EX	R4166/RCR R4167/RCR	43 37	8 8	133 133	E E
1972/92	2	Eng. F2L912W 1884 cc.	100	415 3629 415 3696	IN EX	R3351/RCR R3352/RCR	43	8	133	E	45°			
		37					8	133	E	45°				
	3	Eng. F3L912W 2826 cc.												
	4	Eng. F4L912W 3768 cc.												
	5	Eng. F5L912W 4710 cc.												
	6	Eng. F6L912W 5652 cc. Stessa applicazione spessore testa maggiorato 1 mm							IN EX	R4166/RCR R4167/RCR	43 37	8 8	133 133	E E
1979	1	Eng. F1L511W 825 cc.	100	415 3631 415 3697	IN EX	R3351/RCR R3352/RCR	43	8	133	E	45°			
		2					Eng. F2L511W 1650 cc.				37	8	133	E
1971	6	Eng. BF6L912 Turbo 5640 cc.												
1974		Eng. F6L913 Turbo 6128 cc. Stessa applicazione spessore testa maggiorato 1 mm			IN EX	R4166/RCR R4167/RCR	43 37	8 8	133 133	E E	45° 45°			

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
223 2528	G2818 G2819 G2820 G2821	IN/EX	57.5	8	15.05	G	L
223 3020		15.10					
		15.15					
		15.25					
223 2528	G2818 G2819 G2820 G2821	IN/EX	57.5	8	15.05	G	L
223 3020		15.10					
		15.15					
		15.25					
223 2528	G2818 G2819 G2820 G2821	IN/EX	57.5	8	15.05	G	L
223 3020		15.10					
		15.15					
		15.25					

PI **PUNTERIE · LIFTERS**
RA **BILANCIERI**
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks

KHD





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓							
							D	d	L					
1993	3	Eng. F3L912 2830 cc.	100	423 0567	IN	R4708/BMCR	43	8	133	I	45°			
		Eng. F3L912W 2826 cc.		415 9138								EX	R4709/BMCR	37
	4	Eng. F4L912 3770 cc.		102	415 9136	IN	R6335/SCR	44.9	8	133	I	45°		
		Eng. F4L912 3770 cc.			415 9137								EX	R6324/BMCR
	5	Eng. F5L912 4710 cc.			423 4952	IN	R6335/SCR	44.9	8	133	I	45°		
		Eng. F5L912W 4710 cc.			423 1804								EX	R6324/BMCR
	6	Eng. F6L912 5600 cc.			102	415 9139	IN	R6031/BMCR	43	8	133	I	30°	
		Eng. F6L912W 5600 cc.												415 9137
	3	Eng. F3L913 3060 cc.				102	423 1804	EX	R6324/BMCR	37	8	133	I	45°
		Eng. F4L913 4090 cc.												
4	Eng. F4L913 4090 cc.	EX	R6223/BMCR				42	8	133	I	45°			
	Eng. F6L913 6130 cc.											IN	R6526/SCR	48
6	Eng. BF4L913C 4090 cc.	102	415 9140	IN			R6031/BMCR	43	8	133	I			
	Eng. BF6L913C 6130 cc.											415 9139	EX	R4709/BMCR
6	Eng. BF 6M 1015 11905 cc.		108	428 3380			IN	R6526/SCR	48	9	139	I	30°	
	Eng. BF 8M 1015 15847 cc.													422 0143
6	Eng. TCD 2015 V6 11906 cc.			422 6413	422 0142		EX	R6223/BMCR	42	8	133	I	45°	
	4/6													Eng. BF1013





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d												
							D	d	L										
1968/80	V6	Eng. F6L413 8480 cc.	120	240 2585	IN EX	R4491/SCR R4492/RCR	53.6	10	165	E	45°								
	8	Eng. F8L914 12667 cc.		414 6226								414 6225	241 2165	214 8907	46.6	10	165.3	E	45°
	V8	Eng. F8L413 11310 cc.																	
	V10	Eng. F10L413 14702 cc.																	
	V12	Eng. F12L413 16965 cc.																	
	1975/92	V6		Eng. F6L 413F Eng. BF6L413F - Turbo								125							
V8		Eng. F8L413F Eng. BF8L413F - Turbo 12763 cc.																	
V10		Eng. F10L413F Eng. BF10L413F-Turbo 15945 cc.																	
V12		Eng. F12L413F Eng. F12L413F-Turbo 19140 cc.																	
1989/92	V6	Eng. BF6L513RC 9572 cc.	125	240 2585	IN EX	R4491/SCR R4492/RCR	53.6	10	165	E	45°								
	V8	Eng. BF8L513 12763 cc.		414 6226								414 6225	241 2165	214 8907	46.6	10	165.3	E	45°
	V10	Eng. BF10L513 15953 cc.																	
	V12	Eng. BF12L513 19144 cc.																	
1993	V6	Eng. F6L413F 9572 cc.	125	418 5770	IN EX	R6033/SCR R6032/BMCR	53.6	10	165	A	45°								
	V8	Eng. F8L413F 12763 cc.		418 5461								424 0712	46.6	10	165.3	A	45°		
	V12	Eng. F10L413F 15945 cc.																	
1993	V6	Eng. BF6L413FW Eng. BF6L513	125	418 5463	IN	R6247/SCR	53.6	10	165.8	A	30°								
	V8	Eng. BF8L413FW Eng. BF8L513		424 0714								424 0713	418 5461	46.6	10	165.4	A	30°	
	V10	Eng. BF10L413FW Eng. BF10L513		424 0712															
	V12	Eng. BF12L413FW Eng. BF12L513																	





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	Picanto 1.0 12V Eng. G4HE 999 cc.	66	22211-02200	IN	R6568/SNT	23.50	5.5	99.57	S	45°
				22212-02200	EX	R6569/RNT	27	5.5	99	S	45°
2004	4	Picanto 1.1 12V Eng. G4HG 1086 cc.	67	22211-02200	IN	R6568/SNT	23.50	5.5	99.57	S	45°
				22212-02200	EX	R6569/RNT	27	5.5	99	S	45°
2011 NEW	3	Picato 1.0 12V Eng. G3LA 998 cc.	71	22211-04000	IN	R6813/SNT	26.75	5.5	93	S	45°
				22212-04000	EX	R6814/RNT	24.10	5.5	93.40	S	45°
2000	4	Rio 1.5 i 16V Eng. A5D 1493 cc.	75.5	OK30E-12111	IN	R6419/SNT	27.8	5.5	96.4	S	45°
				OK30E-12121	EX	R6420/RNT	24.9	5.5	95.5	S	45°
2002/04	4	Carens 1.6 i 16V Eng. G4ED 1599 cc.	76.5	22211-26600	IN	R6241/SNT	29.1	6	91.9	S	45°
				22212-26000	EX	R6242/RNT	25	6	92.4	S	45°
2004 2005	4	Cerato 1.6 16V Rio 1.6 16V Eng. G4ED 1599 cc.	76.5	22211-26600	IN	R6241/SNT	29.1	6	91.9	S	45°
				22212-26000	EX	R6242/RNT	25	6	92.4	S	45°
2006 2008	4	CEE'D 1.4 16V Venga 1.4 16V Eng. G4FA 1396 cc.	77	22211-2B000	IN	R6566/SNT	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	R6567/RNT	26	5.5	92.6	S	45°
2010 2008	4	CEE'D 1.6 16V Venga 1.616V Eng. G4FC 1591 cc.	77	22211-2B000	IN	R6566/SNT	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	R6567/RNT	26	5.5	92.6	S	45°
2011 2013	4	Sportage 1.6 16V Soul 1.6 16V CEE'D 1.6 16V PRO CEE'D 1.6 16V Karens IV 1.6 16V Eng. G4FD 1591 cc.	77	22211-2B000	IN	R6566/SNT	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	R6567/RNT	26	5.5	92.6	S	45°
1998	4	Sephia 1.6 16V Eng. B5 1498 cc.	78	K95412111	IN	R6551/SNT	33.7	6	103.4	S	45°
				K01312121	EX	R6552/RCR	28.9	6	104	S	45°
2003 NEW	4	Carens 1.6 16V Shuma 1.6 16V 1594 cc.	78	OK2NC-12111	IN	R6653/SNT	29	5.5	96	S	45°
				OK2NC-12121	EX	R6654/RNT	25.8	5.5	94.8	S	45°
2004	4	Sportage 2.0 16V Eng. G4GC 1975 cc.	82	22211-23600	IN	R6585/SNT	32	6	114.4	S	45°
				22212-23600	EX	R6586/RNT	27.5	6	116.6	S	45°

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	V6	Optima 2.5 I Magentis 2.5 I 2493 cc.	84	22211-37201 22212-37200	IN EX	R6409/SNT R6410/RNT	32 27.5	6 6	96.2 97.3	S S	45° 45°
2001 2000	4	Magentis 2.0 i 16V Optima 2.0 i 16V Eng. G4JP 1997 cc.	85	22211-33000 22212-33000	IN EX	R6248/SNT R6249/RNT	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
2010 2009 2012 NEW	4	Sportage 2.0 16V VVT Magentis 2.0 16V VVT Optima 2.0 16V Eng. G4KD 1998 cc.	86	22211-2G000 22212-25002	IN EX	R6811/SNT R6812/RNT	35 28.96	5.5 5.5	113.30 106	S S	45° 45°
1999/04	4	Clarus 2.0 i 16V Sportage 2.0 i 16V Eng. FE16V	86	K930-12111 K930-12121	IN EX	R6421/SNT R6422/RNT	38 32	7 7	103.7 102.8	E E	45° 45°
2004	V6	Sportage 2.7 i V6 24V Eng. G6BA 2656 cc.	86.7	22211-37201 22212-37200	IN EX	R6409/SNT R6410/RNT	32 27.5	6 6	96.2 97.3	S S	45° 45°

KIA DIESEL

2005	4	Picanto 1.1 CRDI 12V Eng. D3FA 1120 cc.	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2005 2005	4	Rio 1.5 CRDI 16V Cerato 1.5 CRDI 16V Eng. D4FA 1493 cc.	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2010 2012 2011	4	Venga 1.4 CRDI 16V CEE'D 1.4 CRDI 16V Rio 1.4 CRDI 16V Eng. D4FC 1396 cc.	75	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2007 2009 2010	4	CEE'D 1.6 CRDI 16V Cerato 1.6 CRDI 16V Soul 1.6 CRDI 16V Venga 1.6 CRDI 16V Eng. D4FB 1582 cc.	77.2	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°
2010	4	Sportage 1.7 CRDi 16V Eng. D4FD 1685 cc.	77.2	22211-2A100 22212-2A100	IN EX	R6570/SNT R6571/RNT	26 21	5.5 5.5	93 93.7	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2004 2004 2005	4	Carens 2.0 CRDi 16V Cerato 2.0 CRDi 16V Sportage 2.0 CRDi 16V Magnetis 2.0 CRDi 16V Eng. D4EA 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	R6239/SNT R6240/RNT	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2010 NEW	4	Sportage 2.0 CRDi 16V Sorento II 2.0 CRDi 16V Eng. D4HA 1995 cc.	85	22211-2F000 22212-2F000 22212-2F010	IN EX	R6809/SNT R6810/RNT	29 26	6 6	108.5 108.3	I I	45° 45°
2009 2010 NEW	4	Sorento II 2.2. CRDi 16V Carnival 2.2 CRDi 16V Eng. D4HB 2199 cc.	85.4	22211-2F000 22212-2F010	IN EX	R6809/SNT R6810/RNT	29 26	6 6	108.5 108.3	I I	45° 45°
1994	4	Sportage 2.0 TD Eng. RF 1998 cc.	86	RF01-12111 RF01-12121B	IN EX	R4390/SNT R4391/RNT	41 36	8 8	107 106.8	EE EE	45° 45°
1996	4	Besta 2.2 D Eng. R2 2184 cc.	86	RF01-12111 RF01-12121B	IN EX	R4390/SNT R4391/RNT	41 36	8 8	107 106.8	EE EE	45° 45°
1998	4	Sportage 2.0 TD 1998 cc.	86	12911-78E00 12915-78E00	IN EX	R6333/SNT R6334/RNT	39.4 35.1	8 8	106.5 106.8	EE EE	30° 45°
2003	4	Sorento 2.5 CRDi 16V Eng. D4CB 2497 cc.	91	22211-4A061 22212-4A061	IN EX	R6466/SNT R6467/RNT	31.7 28	7 7	110.5 110.5	I I	45° 45°
2002 2004 2005	4	Pregio 2.5 TD Pregio 2.5 TDI/TCI K2500 2.5 Tci Eng. D4BH 2476 cc.	91.1	22211-42520 22212-42520	IN EX	R6102/BMNT R6103/BMNT	40 34	8 8	130.2 130	EE EE	45° 45°
1998	4	Carnival 2.9 TDI 16V J3 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	R6171/SNT R6172/RNT	34 31.6	7 7	126.2 126	E E	45° 45°
2001	4	Carnival 2.9 CRDi 16V Eng. J3TCI 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	R6171/SNT R6172/RNT	34 31.6	7 7	126.2 126	E E	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-27000	G11424	IN/EX	36.6	6.00	11.05	G	C.I.
	GS11424	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-23000 22115-37100	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L-U
22114-23000 22115-37100	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L-U
11116-78E01 11115-78E00	G11186 G11187 G11188 G11189	IN EX	40 46.5	8 8	14.07 14.12 14.07 14.12	G G	L L-X-U
22114-4A000 22115-4A000	G11490 G11491	IN EX	43.3 39.4	7 7	12.06 12.06	G G	L-X L-X
22114-42000 22115-42000	G11327 G11328	IN EX	71 74	8.00 8.00	13.07 13.07	G G	L-X L-X-U
OK551-10-281	G11483	IN/EX	52.7	7	12.05	G	C.I.-U
OK551-10-281	G11483	IN/EX	52.7	7	12.05	G	C.I.-U

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
24170-27001 24180-27000	RA06-936 RA06-937*	
	PI 06-0019	I


NOTE
 remarks

RA06-937
 VERSIONE LUNGA
 LONG VERSION

KIA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.					
							D	d	L			
LADA												
1972	4	1200 Vaz 1011 - 2101 - 2102 1198 cc. 1500 Vaz 2103 1451 cc. 1600 - Niva 4X4 Vaz 2106 - 2107 - 2121 1568 cc. 1300 Vaz 21011- 21033 1294 cc.	76	21011007010 4183269 21011007012 4183270	IN EX	R3447/S R3448/R	37 31.5	8 8	112.5 113	E E	45° 45°	
												79
1990	4	Samara 1.1 1099 cc. Samara 1.3 1288 cc.	76	210811007010 21081007012	IN EX	R4388/SNT R4389/RNT	35 31.5	8 8	103.7 104	I I	45° 45°	
1989	4	Samara 1.5 1499 cc.	82	21081007010 21081007012	IN EX	R4387/SNT R4389/RNT	37 31.5	8 8	103.7 104	I I	45° 45°	
	4	110 1.5 16V 111 1.5 16V 112 1.5 16V 1499 cc. Niva 1.7 MPI 1690 cc.	82	2112-1007010 2112-1007012	IN EX	R6468/SNT R6469/RNT	29.2 25.5	7 7	96 97.2	I I	45° 45°	
												4
LADA DIESEL												
1993	4	Niva 4X4 1.9D Eng. D9A-XUD9 1905 cc.	83		IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°	
LAMBORGHINI TRACTORS												
		R 503 - R 603		311.1420.0 311.1421.0	IN EX	MI5112/S MI5113/XB	42 37	9 9	125.5 125.5	E E	45° 45°	
		Diesel eng. 0 115		318.1420.0 318.1421.0	IN EX	MI5110/S MI5111/R	47 41	10 10	132.5 132.5	E E	45° 45°	
		Diesel eng. 360 - 460 Diesel eng.480 0110		318.1420.0/10 318.1421.0	IN EX	MI5142/S MI5111/R	44 41	10 10	132.5 132.5	E E	45° 45°	
		C352 - C362 - C453 C533 - C553 - C583 C653 - C754 R235 - R483 - R513 R550 - R613 - R635 R684 - R754 - R784 R854 - R955 - R1056		052.1420.0/01 039.1420.2/01 052.1421.0 039.1421.0/02	IN IN EX EX	MI3395/SNT MI3708/SNT MI3967/RNT MI3457/RNT	42 42 37 39.8	9 9 9 9	148 148 148 148	E E E E	45° 45° 45° 45°	

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
		AGILE 660 - 890 C674/70 - C774/80 F PLUS 880 FORMULA 115 PREMIUM 850 - 1060 R600 - R660V - R956		010.6016.0 066.1421.0	IN EX	MI5186/BMNT MI3786/BMNT	44 39.5	9 9	131 130.5	E E	30° 45°
		AGILE 770 - 990 F PLUS 775 - 990 FORMULA 135 PREMIUM 950 - 1050 R1306		010.6017.0 010.6022.0	IN EX	MI5187/SAR MI5188/BMCR	44 39.5	9 9	130.5 130.5	E E	30° 45°
		C564 - 684 R583 - R654 - R714 R1056		071.1420.2/01	IN/EX	MI3784/BMCR	42	8	148	E	45°
		C874/90 CRONO 674 F PLUS 775 - 990 FORMULA 105 - 135 PREMIUM 950 - 1050		081.1420.0/01 066.1421.0	IN EX	MI4203/SARNT MI3786/BMNT	44.2 39.5	9 9	130.8 130.5	E E	30° 45°
		C664 - 683 R653 - 660 - 754 - 784 R1156		042.1420.2/01 071.1420.2/01	IN EX	MI3782/BMCR MI3784/BMCR	44 42	8 8	148 148	E E	45° 45°

LANCIA

1985	4	Y 10 Fire Eng. 156A2.000	70	5942727 7666228	IN	R4168/SCR	30.4	7	97.1	EE	45°
1989		Y10 Selectronic Eng. 156C 1108 cc.		5942728 7666227	EX	R4169/RCR	27.3	7	97.2	EE	45°
1996/97	4	Y 1.1 Elefantino Blu Eng. M609MA.11.C 1108 cc.	70								
1996	4	Y 1.1 ie 8V Eng. 176B2.000 1108 cc.	70	46436048 7666227	IN EX	R4686/SCR R4169/RCR	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1996		Y 1.2 ie 8V Eng. 840A3.000 - 188A4.000 1242 cc.	70.8								
2003/04	4	Ypsilon 1.2 ie Eng. 188A4.000 Up to eng. N. 2533527 1242 cc.	70	7770334 7666227	IN EX	R4686/SCR R4169/RCR	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1997	4	Y 1.2 ie 16V Eng. 176B9.000 1242 cc.	70.8	46403681 46471639	IN EX	R4876/SCR R4877/RCR	26.8 22.4	6 6	95 96.2	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000/03	4	Y 1.2 ie 16V Eng. 188A5.000 Up to eng. N. 985540 1242 cc.	70.8	46403681 46471639	IN EX	R4876/SCR R4877/RCR	26.8	6	95	I	45°
							22.4	6	96.2	I	45°
2004	4	Ypsilon 1.2 ie Eng. 188A4.000 From eng. N. 2533528 1242 cc.	70.8	55194993 55194994	IN EX	R6411/SCR R6412/BMCR	31.9	5	98.4	I	45°
							27.3	5	98.7	I	45°
2003/04	4	Ypsilon 1.2 ie 16V Eng. 188A5.000 From eng. N. 985541 1242 cc.	70.8	55185028 55185080	IN EX	R6506/SCR R6507/RCR	26.8	6	95.2	I	45°
							22.5	6	94.7	I	45°
2005	4	Ypsilon 1.4 8V Musa 1.4 8V Eng. 350A1.000 1368 cc.	72	55194219 55200422	IN EX	R6502/SCR R6503/BMCR	33.3	5	99.9	I	45°
							28.1	5	100.5	I	45°
				55198341 55198342 Natural Power Engine	IN EX	R6626/SARCR R6627/BMARNT	33.3	5	99.9	I	30°
							28.1	5	100.5	I	30°
2003 2004	4	Ypsilon 1.4 16V Musa 1.4 16V Eng. 843A1.000 Up to eng. N. 984712 1368 cc.	72	46403681 46471639	IN EX	R4876/SCR R4877/RCR	26.8	6	95	I	45°
							22.4	6	96.2	I	45°
2006	4	Ypsilon 1.4 16V Musa 1.4 16V Eng. 843A1.000 From eng. N. 984713 1368 cc.	72	55185028 55185080	IN EX	R6506/SCR R6507/RCR	26.8	6	95.2	I	45°
							22.5	6	94.7	I	45°
2008	4	Nuova Delta 1.4 T 16V Eng. 198A4000 1368 cc.	72	55185028 55206233	IN EX	R6506/SCR R6589/BMARCR	26.8	6	95.2	I	45°
							22.4	6	94.7	I	45°
2011 NEW	4	Delta 1.4 GPL Eng. 198A4.000 1368 cc.	72	55225886 55225887	IN EX	R6758/SARCR R6757/BMARNT	26.8	6	95.2	I	30°
							23	6	94.9	I	30°
1985	4	Y 10 Touring Eng. 156A.000 1049 cc.	76	4412816 4412822 4340119	IN EX	R3592/SCR R3529/RCR	36.5	8	110	EE	45°
							29	8	110.5	EE	45°
1985	4	Y 10 Turbo Eng. 156A1.000 1049 cc.	76	5997328 5985066	IN EX	R4172/SCR R4173/RCR	36.5	8	110	EE	45°
							29	8	110	EE	45°
1979	4	Delta 1300 Prisma 1300 Eng. 831AB 1301 cc.	76.1	4239917 4315062	IN EX	R3323/SCR R3324/RCR	36	8	108.5	EE	45°
							31	8	109	EE	45°
				4239918 5973128	IN EX						

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46518800	G11069 G11070 G11071	IN/EX	40	6.02	10.04 10.08 10.24	G	C.I.
55190559	G11425 G11426 G11440*	IN/EX	44	5.00	10.03 10.08	G	C.I.
		IN/EX	44	5.00	10.03	B	C.I.
73500256	G11069 G11070 G11071 GS11069	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	G11425 G11426 GS11425 G11440*	IN/EX	44	5.00	10.03 10.08	G	C.I.
		IN/EX	44	5.00	10.03	SM	C.I.
		IN/EX	44	5.00	10.03	B	C.I.
46518800	G11069 G11070 G11071	IN/EX	40	6.02	10.04 10.08 10.24	G	C.I.
73500256	G11069 G11070 G11071 GS11069 G11514*	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
		IN/EX	39.7	6.02	10.03	B	C.I.
73500256	G11069 G11070 G11071 GS11069 G11514*	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	GS11069 G11514*	IN/EX	39.7	6.02	10.03	SM	C.I.
		IN/EX	39.7	6.02	10.03	B	C.I.
4372602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4372602 4373603	G2251 G2252	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46448011 46765629	PI 06-0002	I
55200250	PI 03-110	M
55193839	PI 06-0033	I
55202354	PI 03-110	M
46448011 46765629	PI 06-0002	I
55193839	PI 06-0033	I
55193839	PI 06-0033	I
4152447	PI 03-102	M


NOTE
remarks

***G11440**
VERSIONE BRONZO

***G11440**
VERSIONE BRONZO

***G11514**
VERSIONE BRONZO





***G11514**
VERSIONE BRONZO

***G11514**
VERSIONE BRONZO

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/99	4	Delta 1.4 ie Eng. 160A1.046 Eng. 836A4.000 1372 cc.	80.5	7609772 5973128	IN EX	R4252/SCR R3324/RCR	37.5 31	8 8	108.5 109	EE EE	45° 45°
2012 NEW	2	Ypsilon 0.9 Twin Air. Eng. 312A2.000 875 cc.	80.5	55229666 55231897	IN EX	R6789/SCR R6790/BMCR	30.14 25.3	5 5	95.5 95.3	I I	45° 45°
1996/99	4	Dedra 1.6 ie 16V Eng. 182A4.000 1596 cc.	80.5	46517325 46461209	IN EX	R4780/SCR R4781/RCR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1996/00	4	Y 1.4 ie 12V Eng. 840A4.000-840A2.000 1371 cc.	82	7712114 46413334	IN EX	R4778/SCR R4779/RCR	30.3 35.5	7 7	110.5 110.5	EE EE	45° 45°
1996/99	4	Dedra 1.8 ie 16V Delta 1.8 ie 16V Eng. 182A2.000 Eng. 181A1.000 1747 cc.	82	7766564 7766565 60674496	IN EX EX	R4728/SCR R4729/RCR R4729/BMCR	33.5 28 28	7 7 7	113.1 108.6 108.6	I I I	45° 45° 45°
1999	4	Lybra 1.8 ie 16V Eng. 839A4.000 Eng. 839A7.000 1747 cc.	82	7766564 7766565 60674496	IN EX	R4728/SCR R4729/RCR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994 1998	5	Kappa 2.0 ie 20V Eng. 838A1.000 Kappa 2.0 ie 20V Eng. 175A3.000 1998 cc.	82	7735898 7735899	IN EX	R4738/SCR R4739/BMCR	30 26	7 7	113 108.5	I I	45° 45°
1996 1999	5	Kappa 2.0 ie 16V Eng. 838A6.000 Lybra 2.0 ie 16V Eng. 1282B7.000 - 185A8.000 1998 cc.	82	7766564 7766565	IN EX	R4728/SCR R4729/RCR	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.0 20V Turbo Eng. 841E.000 1998 cc.	82	7766564 7766565	IN EX	R4728/SCR R4729/RCR	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994	5	Kappa LS - LX20V Eng. 838A2.000 - 838B2.000 2446 cc.	83	7766564 7766565 60674496	IN EX	R4728/SCR R4729/RCR	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.4 ie 20V Eng. 841D.000 2446 cc	83	7766564 7766565 60674496	IN EX	R4728/SCR R4729/RCR	33.5 28	7 7	113.1 108.6	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
7756897 7757052	G3531 G11007	IN/EX	42	7.02	13.03 13.08	G	C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	G3531 G11007 G3532 G11008	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	PI 03-102	M
46465330	PI 06-0004	I
7778140 46471599	PI 06-0006 RA06-902	I
46465330	PI 06-0004	I
46465330	PI 06-0004	I
46465330	PI 06-0004	I
46787055	PI 06-0004	I
46787055	PI 06-0004	I
46787055	PI 06-0004	I
46787055	PI 06-0004	I


 NOTE
remarks

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/89	4	Delta 1.6 HF Turbo Eng. 831B7.046 Eng. 831B3.000 1585 cc.	84	7547400 5953041	IN EX	R4174/RCR R4175/RCR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1986/88 1984 1984/87	4	Delta 2.0 ie HF Turbo 4WD Eng. 831B5.000 Thema 2.0 ie Eng. 834B1.000 Eng. 834B.000 Thema 2.0 ie Turbo Eng. 834C.000 1995 cc.	84	7547400 5953041	IN EX	R4174/RCR R4175/RCR	43.5 36	8 8	105.5 106	EE EE	45° 45°
1987/91	4	Delta 2.0 ie HF Turbo 16V 4WD Eng. 831D5.000 1995 cc.	84	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
1989/94 1994/99	4	Dedra 1.8 ie Eng. 835A2.046 Eng. 835A2.000 Dedra 1.8 ie Eng. 836A5.000 1756 cc.	84	46406169 7597080	IN EX	R4174/RCR R3563/RCR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1994/99	4	Delta 1.8 ie Eng. 835C2.000 - 835C4.000 Eng. 836C4.000 - 836A5.000 Eng. 836A6.000 1756 cc.	84	46406169 7597080	IN EX	R4174/RCR R3563/RCR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1989/99	4	Dedra 2.0 ie Eng. 835A5.000 Eng. 835A5.046 1995 cc.	84	46406169 7597080	IN EX	R4174/RCR R3563/RCR	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1989/92 1988/92	4	Thema 2.0 ie 16V Eng. 834B2.246 - 834B2.000 Eng. 834F1.000 1995 cc. Thema 2.0 ie Turbo 16V Eng. 834C1.246 - 834C1.000 1995 cc.	84	7474739 7958073	IN EX	R4347/RCR R4348/RARCR	34.5 28.5	7 7	128 126	EE EE	45° 45°
1992	4	Thema 2.0 LS Turbo 16V Eng. 834F2.000 1995 cc.	84	7687459 7687469	IN EX	R6034/RCR R6035/RARCR	27.5 29.5	7 7	128 125.5	EE EE	45° 45°
1993/94	4	Delta ie HF Turbo 16V 4WD Eng. 834E5.000 Eng. 831E5.046 1995 cc.	84	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508 82399099	G2231 G2232 G2239 G2240	IN EX	42 42	8.03 8.03	14.06 14.11 14.06 14.11	G B	C.I. C.I.
4250801 4371508 82399099	G2231 G2232 G2239 G2240	IN EX	42 42	8.03 8.03	14.06 14.11 14.06 14.11	G B	C.I. C.I.
7616998 7616992 7611679 7611680	G3205 G3206 G3208 G3209	IN EX	51.3 51.3	7.02 7.02	14.05 14.10 14.05 14.10	G B	C.I. C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	G2231 G2232	IN/EX	42	8.03	14.06 14.11	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	G3205 G3206	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992 7611679 7611680	G3205 G3206 G3208 G3209	IN EX	51.3 51.3	7.02 7.02	14.05 14.10 14.05 14.10	G B	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447	PI 03-102	M
4152447	PI 03-102	M


 NOTE
remarks

LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/99	4	Dedra 2.0 ie 16V Delta 2.0 ie 16V Eng. 836A3.000 1995 cc.	84	7722907 7574742	IN EX	R4730/RCR R4348/RARCR	34.4 28.5	7 7	128 126	EE EE	45° 45°
1994/99 1995	4	Delta 2.0 ie HF Turbo 16V Eng. 83642.000 Eng. 175A4.000 Kappa 2.0 ie Turbo 16V Eng. 834A4.000 Eng. 838A4.000 1995 cc.	84	7722907 7650916	IN EX	R4730/RCR R4731/RARCR	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
2000 2002	4	Zeta 2.0 ie 16V Phedra 2.0 ie 16V Eng. RFN 1997 cc.	85	9623950380 9636001780	IN EX	R6113/S R6114/RCR	33.3 29	6 6	106.2 103.6	E E	45° 45
1994	4	Zeta 2.0 ie Turbo Eng. RGX 1998 CC	86	9605936180 9611782880	IN EX	R4608/S R4609/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1998/00	4	Zeta 2.0 ie 16V Eng. RFV 1997 cc.	86	9628943380 9629861180	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1979/82	4	Delta 1300 Prisma 1300 Eng. 831A2.000 1301 cc.	86.4	4460697 4315062	IN EX	R3323/SCR R3324/RCR	36 31	8 8	108.5 109	EE EE	45° 45°
1980/83	4	Delta 1500 Prisma 1500 Eng. 831A1.000 1498 cc.	86.4	4460697 5973129	IN EX	R3323/SCR R3594/RCR	36 33.4	8 8	108.5 109	EE EE	45° 45°
1989/93	4	Dedra 1.6 ie Eng. 835A1.000 1581 cc.	86.4	46531591 5973128	IN EX	R4252/SCR R3324/RCR	37.5 31	8 8	108.5 109	EE EE	45° 45°
1993/99	4	Dedra 1.6 ie Eng. 159B9.000 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	R4625/SCR R3324/RCR	39.5 31	8 8	108.5 109	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V Eng. 182A6.000 Eng. 182A4.000 Up to eng. N. 10784 1581 cc.	86.4	46517325 46462159	IN EX	R4780/SCR R4781/RCR	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V Eng. 182A6.000 Eng. 182A4.000 From eng. N. 10785 1581 cc.	86.4	46761369 46761370	IN EX	R6153/SCR R6154/RCR	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7616998 7616992 7611679 7611680	G3205 G3206 G3208 G3209	IN EX	51.3 51.3	7.02 7.02	14.05 14.10 14.05 14.10	G B	C.I. C.I.
7616998 7616992 7611679 7611680	G3205 G3206 G3208 G3209	IN EX	51.3 51.3	7.02 7.02	14.05 14.10 14.05 14.10	G B	C.I. C.I.
	G11315 G11316 G11317	IN EX	40 40	6 6	12.07 12.12 12.07	B G	C.I. C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	G11158 G11223 G11159	IN EX	41 41	5.98 5.99	12.07 12.12 12.07	B G	C.I. C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	G2265 G2266	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	PI 03-102	M
4152447	PI 03-102	M
	PI 06-0007	I
4152447	PI 03-102	M
4152447 60800018	PI 03-102	M
4152447	PI 03-102	M
46465330	PI 06-0004	I
46465330	PI 06-0004	I


**NOTE
remarks**
LANCIA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	Lybra 1.6i 16V Eng. 182A6.000 Eng. 182A4.000 1581 cc.	86.4	46761369 46761370	IN EX	R6153/SCR R6154/RCR	30.4	7	102.5	EE	45°
							29.8	7	102.5	EE	45°
1994	V6	Kappa 3.0 V6 24V Eng. 838.000 Eng. 838.B000 2959 cc.	93	55186770 60560644	IN EX	R4610/BM R4611/BMARCR	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°
2002	V6	Thesis 3.0 ie V6 24V Eng. 841A.000 2959 cc.	93	55186770 60560644	IN EX	R4610/BM R4611/BMARCR	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°
2003	V6	Thesis 3.2 V6 24V Eng. 841A.000 3179 cc.	93	55186770 60560644	IN EX	R4610/BM R4611/BMARCR	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°

LANCIA DIESEL

2003	4	Ypsilon 1.3 16V MJ Eng. 188A4.000	69.6	55195680	IN EX	R6304/SCR R6305/BMCR	21.9	6	109.2	I	45°
2004	4	Musa 1.3 16V MJ Eng. 188A9.000 1242 cc.		46518930 46518931 55208213							
2009	4	Ypsilon 1.3 16V MJ	69.6	55204574	IN EX	R6636/SCR R6640/BMCR	22.45	6	109.2	I	45°
2009	4	Musa 1.3 16V MJ Eng. EURO 5 1242 cc.		55223836							
2008	4	Musa 1.6 MJT 16V Nuova Delta 1.6 MJT 16V Eng. 350A2000 Eng. 350A3000 1598 cc.	79.5	55205125	IN EX	R6590/SCR R6388/BMCR	26.6	5	114.4	I	45°
				55207955							
2000	4	Lybra 1.9 JTD Eng. AR32302	82	46478834	IN EX	R4941/BMCR R4943/BMCR	35.5	8	115.2	I	45°
2004	4	Musa 1.9 MJ Eng. 188B2.000 1910 cc.		55193126 46416321 55202630 46783962							
1994	5	Kappa 2.4 TD Eng. 838A3.000 Eng. 838A7.000 2387 cc.	82	7798620	IN EX	R4740/BMCR R4741/BMCR	37.5	8	114.5	I	45°
				7783225							
2008	4	Nuova Delta 1.9 MJT Eng. 844A1000 1910 cc.	82	55206431	IN EX	R6387/SCR R6388/BMCR	28	5	114.4	I	45°
				55207955							

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331 7756897 7757052	G2196 G2197 G3531 G11007	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
60572415 60572412	G11003 G11004 G11005 G11006	IN EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
60572415 60572412	G11003 G11004 G11005 G11006	IN EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
60572415 60572412	G11003 G11004 G11005 G11006	IN EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
46816601 46816602	G11310 G11311 GS11310	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.07 10.03	G SM	L L
46816601 46816602	G11310 G11311 GS11310	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.07 10.03	G SM	L L
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
7565472 46433782 46433783	G11000 G11018 G11019 GS11000	IN/EX IN/EX	43 43	8.02 8.02	14.03 14.06 14.11 14.03	G SM	C.I. C.I.
7565472 46433782 46433783	G11000 G11018 G11019 GS11000	IN/EX IN/EX	43 43	8.02 8.02	14.03 14.06 14.11 14.03	G SM	C.I. C.I.
55210016 55210015	G11481 G11482 GS11481	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330	PI 06-0004	I
60507563 60810675	PI 06-0014	I
60507563 60810675 60664980	PI 06-0014	I
60507563 60810675 60664980	PI 06-0014	I
46475925 73501138	PI 06-0019 RA06-900	I
46475925 73501138	PI 06-0019 RA06-900	I
46475925 55186463	PI 06-0019 RA06-933	I
4152447	PI 03-102	M
4152447	PI 03-102	M
46475925 55186463	PI 06-0019 RA06-933	I






 NOTE
remarks

LANCIA

LANCIA DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	5	Kappa 2.4 JTD Eng. 838A8.000	82	46478834	IN	R4941/BMCR	35.5	8	115.2	I	45°
1999		Lybra 2.4 JTD Eng. 839A5.000 Eng. 839A6.000 Eng. AR325.01		46750859 46416321 46783962	EX	R4943/BMCR	34.47	8	115.1	I	45°
2002		Lybra 2.4 JTD Thesis 2.4 JTD Eng. 841C.000 2387 cc.									
2003	5	Thesis 2.4 JTD 20V Eng. 841M.000 Eng. 841N.000 Eng. 841G.000 Eng. 841H.000 2387 cc.	82	46802049 46787902	IN EX	R6203/SCR R6204/BMCR	28 26	6 6	114.40 114.40	I I	45° 45°
2003	5	Thesis 2.4 JTD 20V Eng. 841P.000 Up to eng. 553217 2387 cc.	82	55190248 55190249	IN EX	R6601/SCR* R6602/BMCR*	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
2003	5	Thesis 2.4 JTD 20V Eng. 841P.000 From eng. 553218 2387 cc.	82	55206431 55205183	IN EX	R6387/SCR* R6388BMCR*	28 24.5	5 5	114.4 114.4	I I	45° 45°
1982/92	4	Prisma 1.9 D Eng. 831D.000 1929 cc.	82.6	5990532 5990533	IN EX	R3953/SCR R3954/RCR	37.4 33.5	8 8	117 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD Eng. 831D1.000 Up to eng. N. 674284 1929 cc.	82.6	7547158 5990533	IN EX	R4627/RCR R3954/RCR	37.5 33.5	8 8	116.5 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD Eng. 831D1.000 From eng. N. 674285 1929 cc.	82.6	7547158 7588577	IN EX	R4627/RCR R4626/RCR	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°
2008	4	Nuova Delta 2.0 MJT Eng. 198A5000 1956 cc.	83	55206431 55207955	IN EX	R6387/SCR R6388/BMCR	28 24.5	5 5	114.4 114.4	I I	45° 45°
1996	4	Zeta 2.1 TD 12V Eng. P8C 2088 cc.	85	9600781780 9604295780	IN EX	R4623/SCR R4624/BMARCR	33.9 33.9	8 8	122.3 121.9	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	Zeta 2.0 JTD Eng. RHZ 1998 cc.	85	9624774280	IN	R6092/SCR	35.6	6	107.1	I	45°
				9624774580	EX	R6093/BMCR	33.8	6	107.1	I	45°
2001	4	Zeta 2.0 JTD 16V Eng. RHW	85	9635317980	IN	R6161/SCR	29.9	6	106.2	I	45°
2002		Phedra 2.0 JTD 16V Eng. RHW-RHM 1997 cc.		9635318480	EX	R6162/BMCR	25	6	106.1	I	45°
2002	4	Phedra 2.2 JTD Eng. 4HW 2179 cc.	85	9627184380 9634437580	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°
1984/94	4	Thema Td Eng. 8144.91 Eng. 8144.97 2445 - 2499 cc.	93	7301820	IN	R3989/RNT	41	8	120.7	EE	30°
				7302157	EX	R3991/RCR	34.5	8	122	EE	45°
2011 NEW	4	Voyager 2.8 JTD Eng. ENS 2777 cc.	94	K68027469AA	IN	R6817/SCR	31.8	6	107.6	I	45°
				K68027470AA	EX	R6818/BMCR	29.2	6	107.8	I	45°

LAND ROVER

1987	4	Land Rover Santana Suzuky engine SJ 413 1325 cc.	74	12911A82000	IN	R4549/SNT	36	7	115.5	EE	45°
				12915A82050	EX	R4550/RNT	30	7	114.5	EE	45°
2000	4	Freelander 1.8 i 16V Eng. 18K4F 1796 cc.	80	LGH10029	IN	R4816/SNT	27.7	6	89.6	S	45°
				LGH10065 LGH101360	EX	R6118/RNT	27.4	6	90	S	45°
2000	V6	Freelander 2.5 i V6 24V Eng. 25K4F 2497 cc.	80	LGH10064	IN	R6117/SNT	31.6	6	89.6	S	45°
				LGH10065 LGH101360	EX	R6118/RNT	27.4	6	90	S	45°
1984	4	Land Rover 88 - 90 Land Rover 109 - 110 2286 cc. Land Rover 90 - 110 2494 cc.	90.475	ETC4067	IN	R4487/SCR	44.5	7.9	111.4	I	30°
				ETC5866	EX	R4488/RCR	34.3	8.7	111.4	I	45°
2002	V8	Range Rover 4.4 i V38 Eng. 448S2 4398 cc.	92		IN	R4794/SCR	34.9	6	104.1	I	45°
					EX	R4795/BMARCR	30.4	6	103.6	I	45°

LAND ROVER DIESEL

1994	6	Range Rover 2.5 DSE TD Eng. D256TM 2498 cc. BMW ENG.	80	STC2156	IN	R4919/BMCR	36	6	103.7	I	45°
				STC2149	EX	R4920/BMARCR	31	6	103.5	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Freelander 2.0 Td4 16V Eng. 204D3 1951 cc.	84	LGH101450	IN/EX	R6088/BMCR	26	6	100	I	45°
2002	6	Range Rover 3.0 TD6 24V Eng. 306D1 BMW 2926 cc.	84	LGH101450	IN/EX	R6088/BMCR	26	6	100	I	45°
1998	4	Freelander 2.0 XEDI Eng. 20T2N 1998 cc.	84.5	LGH100990 LGH100980	IN	R6119/SNT	37.2	7	86.7	EE	45°
					EX	R6120/RNT	32.5	7	86.7	EE	45°
1998	5	Defender 90 2.5 TDI td5	84.5	ERR6611 ERR6612	IN	R6343/SCR	34.7	7	105.3	I	30°
1999		Defender 110 2.5 TDI td5 Defender 130 2.5 TDI td5 Eng. 10P - 15P Discovery 2.5 TDI td5 Eng. 10P - 15P Eng. 10P - 15P 2495 cc.			EX	R6344/BMARCR	31.7	7	105.3	I	45°
2006	4	Freelander 2.2 Td4 16V Eng. 4HT 2179 cc.	85		IN	R6595/SCR	27.2	6	95.80	I	45°
					EX	R6596/BMCR	25	6	95	I	45°
2011	4	Evoque 2.2TD Eng. 224DT 2179 cc.	85		IN	R6595/SCR	27.2	6	95.80	I	45°
					EX	R6596/BMCR	25	6	95	I	45°
1959/71	4	Land Rover 88-109-110 Eng. 2.3I 2286 - 2494 cc.	90.475	527240 550198	IN	R3053/S	39.5	7.9	116.5	EE	45°
					EX	R3054/XB	33.5	8.7	117	EE	45°
1983	4	Land Rover TD		112999 113000	IN	R4160/RCR	39	8	116.5	EE	30°
					EX	R4161/RCR	33	8.7	117.4	EE	45°
1983/86	4	Land Rover 90/110 Eng. 2.5 I 2494 cc.	90.475	ERC9739 ETC5739 ERC9738 ETC5740	IN	R4281/SCR	39.3	8	116.7	I	45°
					EX	R4282/RCR	33.5	8.7	117	I	45°
1990/94	4	Defender 90/110/130 2. Tdi	90.5	ERR1157 ERR1156	IN	R4939/RCR	39.5	8	116.5	I	30°
1989/94		Discovery 2.5 Tdi			EX	R4940/RARCR	36.5	8	116.5	I	45°
1990/94		Range Rover 2.5 Tdi Eng. 12L Maxion 200 TDI 2495 cc.									
1995	4	Defender 90/110/130 2. Tdi		ERR3777 ERR1156	IN	R6423/RCR	38.9	8	116.3	I	30°
1995		Discovery 2.5 Tdi			EX	R4940/RARCR	36.5	8	116.5	I	45°
1995		Range Rover 2.5 Tdi Eng. 12L Maxion 300 TDI 2495 cc.									
1996	4	Rang Rover 2.4 TD Eng. VM81A-Turbo 2393 cc.	92	AEU2296L RTC4116	IN	R3598/RCR	40	8	121	E	35°
					EX	R3599/RCR	33.9	8	121	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
	G11313 G11314	IN/EX	39	6	11.54 11.59	B	L
LG5100510	G11329	IN/EX	28.5	6.95	12.07	G	L
	G11428 G11429	IN/EX	39	6.93	12.05 12.10	G	L
0220.A2	G11319 G11320 GS11319	IN/EX IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
0220.A2	G11319 G11320 GS11319	IN/EX IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F
ETC8003	G11175 G11176	IN/EX	49	8.01	14.07 14.27	G	C.I.
ETC8003	G11175 G11176	IN/EX	49	8.01	14.07 14.27	G	C.I.
20380025A	G3126 G3127	IN/EX	55	8	14.07 14.12	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100480L STC4532	PI 06-0019 RA06-942	I
LGR100480L STC4532	PI 06-0019 RA06-942	I
ERR7233	PI 06-0019	


**NOTE
remarks**
LAND ROVER DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.			
							D	d	L	

LEXUS DIESEL

2007	4	IS 220D 16V Eng. 2ADFHV-FTV 2230 cc.	86	13711-0R010	IN	R6562/SNT	30	6	104.5	S	45°
				13715-0R010	EX	R6563/RNT	27	6	104.1	S	45°

LEYLAND DIESEL

1986/73	4/6	3.4 - 3.8 - 5.1 - 5.7 BMC Diesel Eng.	95	AMK1567	IN/D	R0950/N	40	8.7	146	EE	45°
				AMK48	EX	R0889/S	36	8.7	146	EE	45°
1972	4	Tractor 262 - 272 - 470 Eng. 4/98 NV 3770 cc.	98	86K943	IN/D	R3498/N	43	8.7	148	EE	45°
1972				86K944	EX	R3499/RCR	38	8.7	148	EE	45°
		Tractor 285 - 485 Eng. 6/98 DV/NV 5655 cc.									

LISTER

1967/76	1	Eng. SR1 - SW1	88.9	201/50871	IN	R3617/S	39.5	8.7	120	EE	45°
	2	Eng. SR2 - SW2		201/50891	EX	R3618/XB	33.5	8.7	120	EE	45°
	3	Eng. SR3									
	4	Eng. SR4									
1975	1	Eng. ST1	95.25	201/80250	IN	R4319/S	42.6	8.7	120.2	EE	45°
	2	Eng. ST2		201/80240	EX	R4320/XB	35.6	8.7	120.2	EE	45°
	3	Eng. ST3									
1967/76	2/6	Eng. HR2 - 3 - 4 - 6	107.95	351K50420	IN	R3465/SCR	48	9.5	137.5	EE	45°
		Eng. HRW2 - 3 - 4 - 6		35150432	EX	R3466/RCR	40	9.5	137.5	EE	45°
		Eng. HRWS 6									
1936/69	1/3	JP - JP3 - JP4	114.3	8-1C8A	IN	R0644/N	43	11	166.5	M	45°
				8-1C121	EX	R0645/S	37.5	11	166	M	45°

LOMBARDINI

	1	LA 400		70.9652.010	IN	MI5053/S	38	8	89	E	45°
				70.9685.010	EX	MI5054/R	32	10	89	E	45°
	1	LA 490		74.9652.011	IN	MI5055/S	42	8	89	E	45°
				74.9685.011	EX	MI5056/R	34	10	89	E	45°
	1	LA 205 - LA 250		90.9652.016	IN	MI5051/S	32	7	94	Q	45°
				90.9685.022	EX	MI5052/R	28	7	93.8	Q	45°
	1	IH 218 - IW 218		180.9652.044	IN	MI5140/S	28	7	89.3	Q	45°
				180.9685.045	EX	MI5141/R	28	7	89.3	Q	45°
		LA80 - LA82		45.2151.13	IN	MI5041/N	40	8	121.2	E	45°
				45.2152.14	EX	MI5042/S	35	8	121.2	E	45°
		LA85		51.2151.5	IN	MI5043/N	44	8	123.7	E	45°
				51.2152.10	EX	MI5044/S	37	10	124.7	E	45°
		LA65/58		55.2151.7	IN	MI5045/N	28.5	7	93.5	R	45°
				55.2152.8	EX	MI5046/R	24	7	93.4	R	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
	1 2 4	LDA 90 - 91 - 100		262.9652.05 262.9685.25	IN EX	MI5047/S MI5048/R	39.6 32.6	8 8	111 111	E E	45° 45°
	1	LDA 75 - 80		271.9652.005 271.9685.006	IN EX	MI5049/S MI5050/R	31 26.6	7 7	99.2 99	E E	45° 45°
		LDA 672		276.9652.015 276.9685.019	IN EX	MI5064/S MI5065/R	40 35.6	9 9	111.9 111.7	E E	45° 45°
		LDA 450		283.9652.017 283.9685.027	IN EX	MI5066/S MI5067/R	34.4 29.6	7 7	99.35 99	E E	45° 45°
		LDA 820		291.9652.019 291.9685.031	IN EX	MI5062/S MI5063/R	42 35.6	8 8	111.2 111	E E	45° 45°
	2	LDA 360		360.965.2036 360.9685.046	IN EX	MI5086/S MI5087/R	33.5 29.6	8 8	97.5 97.5	E E	45° 45°
	1	500 - 6LD260		500.9652.018 500.9685.028	IN EX	MI5025/S MI5026/R	29.8 25	7 7	84.2 83.8	E E	45° 45°
	1	520 I SERIE		520.9652.025 520.9685.039	IN EX	MI5080/S MI5081/R	31.8 27	7 7	84.2 83.8	E E	45° 45°
	1	520 II SERIE		520.9652.040 520.9685.051	IN EX	MI5090/S MI5091/R	34.4 29.6	7 7	83.85 83.5	E E	45° 45°
	1	6LD 401 - 435		550.9652.099 550.9685.104	IN EX	MI5180/SCR MI5181/BMCR	36.5 31.6	7 7	83.85 83.5	E E	45° 45°
	1	LDA 315		196.9652.130 196.9685.133	IN EX	MI5183/SCR MI5184/BMCR	36 32	7 7	91 91	E E	45° 45°
	2 2 2	9LD 560 - 561 9LD 625 11LD 535 - 625 - 626		435.9652.061 435.9685.067	IN EX	MI5092/S MI5093/R	39 32.5	8 8	102 102	E E	45° 45°
	1 2	710 - 720 - 904 - 914 7LD 665 - 740 8LD 665 - 740		710.9652.030 710.9685.040	IN EX	MI5082/S MI5083/R	39 32.5	8 8	102 102	E E	45° 45°
	2 3 4	5LD 825 LDA 832 - 833 - 834 5LD 930 - 824 - 825		822.9652.41 822.968.053	IN EX	MI5134/S MI5135/R	43 37.6	9 9	111.9 111.7	E E	45° 45°
	3 4	LDW 1503 LDW 2004		104.9652.104 104.9685.108	IN EX	MI5152/SCR MI5153/BMCR	40.5 35.5	7 7	104 104	I I	30° 45°
	2 3 4	LDW 502 - 602 - 903 LDW 1204		115.9652.101 115.9685.105	IN EX	MI5154/SCR MI5155/BMCR	33 29	7 7	91.2 91.2	E E	30° 45°
	2 3	9LD - 11 LD		560.9652.153 560.9685.146	IN EX	MI5191/SCR MI5192/BMCR	39 32.5	8 8	102 102	I I	45° 45°
	2 3 4	LDW 702 - 1003 LDW 1004		175.9652.157 175.9685.150	IN EX	MI5193/SCR MI5194/BMCR	34.5 30.2	7 7	91 91	E E	30° 45°
	1	15LD 225		194.9652.148 194.9685.151	IN EX	MI5195/SCR MI5196/BMCR	31.5 27.5	6 6	82 82	S S	30° 45°
	3 4	LDW 1503 LDW 2004		104.9652.147 104.9685.142	IN EX	MI5197/SCR MI5198/BMCR	40.5 35.5	7 7	102 102	I I	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	3	LDW 1503		104.9652.152	IN	MI5199/SCR	40.5	7	104	I	30°
	4	LDW 2004		104.9685.145	EX	MI5200/BMCR	35.5	7	104	I	45°
	4	LDW 2004 T		111.965.2160	IN	MI5201/BMCR	40.5	7	102	I	30°
				104.9685.142	EX	MI5198/BMCR	35.5	7	102	I	45°

LOTUS





2007	4	Elise 1.6i 16V Eng. 1ZR-FAE 1598 cc.	80.5	13711-37020 13715-37030	IN EX	R6560/SNT R6561/RNT	32 27.5	5.5 5.5	109.4 108.3	S S	45° 45°
2000	4	Elise 1.8 i 16V Eng. 18K4F 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	R4816/SNT R6118/RNT	27.7 27.4	6 6	89.6 90	S S	45° 45°
2000	4	Elise 111S 1.8 i 16V VVC Eng. 18K4K 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	R4816/SNT R6118/RNT	27.7 27.4	6 6	89.6 90	S S	45° 45°

MAN

1983	6	Eng. D0226 MC/MK/ML Eng. D0226 MT Turbo 5687 cc.	102	51041010425 51041010410	IN EX	R6256/SCR R6257/BMCR	49 42	10 10	136.6 136.3	E E	30° 45°
1986	4	Eng. D0824 GF/LFL 4580 cc.	108								
	6	Eng. D0826 GF/GFA 6871 cc.									
	6	Eng. D0826 TOH 6596 cc.									
1991	6	Eng. D0826 LOH/LF Turbo 6871 cc.									
2005 NEW	4	Eng. D0834 LFL50 -LFL51-LFL52 LOH50-LOH51 4580 cc.	108	51.041.010.515 51.041.010.516 51.041.010.537 51.041.010.498 51.041.101.506 51.041.010.538	IN	R6761/SCR	37	7	141.5	I	30°
2002/04	6	Eng. D0836 EURO 3 LF41-LF43-LF44 LFL40-LFL41-LFL44			EX	R6762/BMCR	37	7	142.5	I	45°
2005	6	Eng. D0836 EURO 4 LF41-LF43-LF44 LFL40-LFL41-LFL44 6781 CC.									
2004	6	TGA Series Eng. D2066 10520 cc.	120	51041010574 51041010546	IN EX	R6576/BMCR R6577/BMCR	40 38	9 9	160.4 160.4	I I	30° 45°
1960/71	6	Eng. D 2146 MT - Turbo 9659 cc. Eng. D 2156 MT - Turbo 10344 cc.	121	51041010305 51041010379 51041010373	IN IN EX	R4818/SCR R4599/BMCR R4563/BMCR	55.9 55.9 48.9	12 12 12	148.9 148.9 148.9	E E E	45° 30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1968/74	6	Eng. D 2356 HM 10690 cc.	123	51041010349	IN	R4582/BMCR	59.9	12	148.9	E	45°	
				51041010364	EX	R4583/BMCR	51.9	12	148.5	E	45°	
1973/80	5	Eng. D 2555 M-MF-MX 9199 cc.	125	51041010332	IN	R4315/XBCR	58	12	142.5	E	45°	
1976/80	5	Eng. D 2565 HM-M-ME		51041010447	EX	R4316/BMCR	51	12	142.5	E	45°	
	5	Eng. D 2565 MF-MH-MR 9510 cc.										
1976/80	6	Eng. D 2556 M-MF-MX 11045 cc.										
1976/80	6	Eng. D 2566 HM-M-ME										
		Eng. D 2566 MH-MR-MX 11407 cc.										
		Eng. 2566 MU 11413 cc.										
		Eng. 2566 MUH 11407 cc.										
1972/80	V8	Eng. D 2538 M-ME-MF Eng. D 2538 MFR-MR 12756 cc.										
1972/80	V10	Eng. D2530 ME-MF-MX 15950 cc.										
1980/81	5	Eng. D 2565 HM-M-ME	125	51041010405	IN	R4916/SCR	57	12	142.5	E	45°	
		Eng. D 2565 MF-MH-MR 9510 cc.		51041010447	EX	R4316/BMCR	51	12	142.5	E	45°	
		Eng. D 2555 M-MF-MX 9199 cc.		51041010479								
	6	Eng. D 2566 HM-M-ME										
		Eng. D 2566 MH-MR-MX 11407 cc.										
		Eng. 2566 MU 11413 cc.										
			Eng. 2566 MUH 11407 cc.									
	6	Eng. D 2556 M-MF-MX 11045 cc.										
		Eng. D 2538 M-ME-MF Eng. D 2538 MFR-MR 12756 cc.										
	V8	Eng. D 2530 ME-MF-MX 15950 cc.										
6	Eng. D 2866 Industrial Marine Engine 11967 cc.	128										
	Eng. D 2840 ME-MF-MH Industrial Marine Engine 18270 cc.											
V10												

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.
	G11574 G11575	IN/EX	64	12:00	18.05 18.10	G	L
51032010088	G3213 G11331	IN/EX	64	12.00	18.04 18.09	G	C.I.
	G11574 G11575	IN/EX	64	12:00	18.05 18.10	G	L

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE
remarks

MAN





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1976	5	Eng. D 2565 MT-MK T 9510 cc.	125	51041010375	IN	R4635/BMCR	58	12	142.5	E	30°
1976	6	Eng. D 2566 MK-ML-MT Eng. D 2566 Turbo 15900 cc.		51041010478 51041010447 51041010479	EX	R4316/BMCR	51	12	142.5	E	45°
1976/81	V8	Eng. D 2538 MT-Turbo 12760 cc.									
1976/81	V10	Eng. D 2530 MT-Turbo 15900 cc.									
1976/81	V12	Eng. 2542 MTE Turbo Industrial Marine Engine 20190 cc.									
1989	5	Eng. D 2865 LOH - LUH 9973 cc.	128	51041010375	IN	R4635/BMCR	58	12	142.5	E	30°
1983	6	Eng. D 2866 LF2 Turbo Eng. D 2866 KFZ Turbo Eng. D 2866 OH - UH F - Turbo Industrial Engine		51041010478 51041010447 51041010479	EX	R4316/BMCR	51	12	142.5	E	45°
1989		Eng. D 2866 LOH - LUH LF - Turbo 11967 cc.									
1994		Eng. D 2876 LF - LOH Turbo Euro 2 12810 cc.									
1987	V10	Eng. D 2840 F Turbo Eng. D 2840 LF Turbo 18720 cc.									
1990	V12	Eng. D 2842 LFX Turbo 21930 cc.									
1996	6	F 2000 Eng. E2866	128	51041010438	IN	R6628/BMCR	58	12	142.5	E	30°
1998	6	Eng. D2866 - D2866LUH		51041010439	EX	R6629/BMCR	51	12	142.5	E	30°
1994	6	Eng. D2566 UH 11967 cc.									
1999	6	Eng. D2866 11967 cc.	128	51041010547 51041010548 51041010482 51041010483	IN EX IN EX	R6331/BMCR R6332/BMCR R6492/BMCR R6493/BMCR	46 46 46 46	9 9 9 9	153.6 153.6 153.7 153.7	I I E E	30° 45° 30° 45°
2002	6	TGA Series Eng. D2876 LF12 4V 12816 cc.	128	51041010523 51041010524	IN EX	R6578/BMCR R6579/BMCR	44 41	9 9	153.6 153.6	I I	30° 45°
NEW	6	Eng. D 2876 LUH 01 LUH 02 - LUH 03 Euro 2 12816 cc.	128	51041010509 51041010501	IN EX	R6649/BMCR R6650/BMCR	58 51	12 12	142.3 142.4	A A	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/71	4	Familia 1200 Eng. BTA 55/65 1169 cc.	70	26812111	IN	R3813/S	34.5	7	108.5	E	45°
				26812121	EX	R3814/RCR	29	7	98.5	E	45°
1996/07-97	4	121 1.2 16V Eng. DHA 1242 cc.	71.9	1E05-12111	IN	R4790/SCR	26	6	98	E	45°
				1E05-12121	EX	R4791/RCR	22	6	100	E	45°
08/97	4	121 1.2 16V Eng. DHA 1242 cc.	71.9		IN	R4992/SCR	26	6	97.7	I	45°
					EX	R4993/RCR	22	6	99.7	I	45°
	4	121 1.3 16V Eng. B3 1323 cc. 323 1.3 16V Eng. TC 1272 cc.	71	B3C7-12-111A	IN	R6254/SNT	25.5	6	108.3	EE	45°
				B3D2-12.121A B3C7-12-121A	EX	R6255/RARNT	21.3	6	109.2	EE	45°
			73								
2003	4	2 1.2 16V Eng. C2 1242 cc.	72	C201-12111	IN	R6464/SNT	26	6	99.7	I	45°
				C201-12121	EX	R6465/RNT	22	6	101.8	I	45°
1971	4	Craft 1500 Eng. UA		57112111	IN	R3815/S	38	8	115	EE	30°
				57112121	EX	R3816/RCR	30	8	115	EE	45°
2004	4	3 1.4 i 16V 1349 cc.	74	ZJ01-12111A	IN	R6475/SNT	27.7	5.5	98.3	S	45°
				ZJ01-12121	EX	R6476/RNT	24	5.5	98.8	S	45°
2003	4	2 1.4 i 16V Eng. FXJA 1388 cc.	76	C6011-21111	IN	R6413/SCR	28	6	99.4	I	45°
				C4011-2121	EX	R6196/RCR	24.1	6	101.4	I	45°
2003	4	2 1.6 i 16V Eng. FYJA 1596 cc.	76	C601-12111	IN	R6195/SCR	30	6	99	I	45°
				C4011-2121	EX	R6196/RCR	24.1	6	101.4	I	45°
1969/78	4	618 1800 Courier 1800 Luce 1800 - Titan 1800 Eng. VB 1796 cc.	78	029012111C	IN	R3817/S	42	8	108.5	EE	45°
				D27Z6505A	EX	R3818/RCR	33	8	107	EE	45°
1970/77		616 1600 - 626 1600 808 1600 - Bongo 1600 Capella 1600 Proceed 1600 B/E 1600 Eng. NA 1586 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11221 G11222 GS11221 G3520 G3577	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 12.03 12.08	G SM G	L L L
	G11221 G11222 GS11221 G3520 G3577	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
B6Z0-10-280	G11211 G11212	IN	48.6	6.01	11.05 11.10	G	L-X
B6Z0-10-290	G11213 G11214	EX	48.6	6.01	11.05 11.10	G	L-X-U
	G11221 G11222 GS11221 G2730	IN/EX IN/EX IN/EX	39 39 64	6 6 8	11.05 11.10 11.05 15.05	G SM G	L L C.I.
	G11427 GS11427 G3520 G3577 G11492	IN/EX IN/EX IN/EX IN/EX	39 39 36 39	5.5 5.5 6.08 6.01	11.05 11.05 12.03 12.08 11.05	G SM G G	L L L L-X-U
	G3499 G11190 GS3499	IN/EX IN/EX IN/EX	40.5 40.5 40.5	6 6 6	11.04 11.09 11.04	G SM	L-X L-X
8173-23-090	G3216	IN/EX	50.5	8.06	14.06	G	L-U

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
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443	PI 03-111	M
	PI 06-0020	I
	PI 03-111	M
	PI 06-0003	I


NOTE
remarks

MAZDA





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1973/82		626 1800 - 929 1800 Bongo 1800 Capella 1800 Cosmo 1800 Proceed 1800 Eng. VC 1769 cc.	80	029012111C D27Z6505A	IN EX	R3817/S R3818/RCR	42	8	108.5	EE	45°
							33	8	107	EE	45°
1977/80		121 2000 - 626 2000 929 2000 - B/T 2000 Capella 2000 Cosmo 2000 Courier 2000-Luce 2000 Eng. MA 1970 cc.									
2004	4	3 1.6 i 16V Eng. B6ZE 1598 cc.	78	ZY01-12111A ZY01-12121	IN EX	R6477/SNT R6478/RNT	29.2	5.5	97.1	S	45°
							25.9	5.5	96.6	S	45°
2003	4	2 1.4 i 16V Eng. FXJA 1388 cc.	79	C6011-21111 C4011-2121	IN EX	R6413/SCR R6196/RCR	28	6	99.4	I	45°
							24.1	6	101.4	I	45°
2003	4	21.6 i 16V Eng. FYJA 1596 cc.	79	C601-12111 C4011-2121	IN EX	R6195/SCR R6196/RCR	30	6	99	I	45°
							24.1	6	101.4	I	45°
1982	4	Capella - Telstar 1600 Eng. F6 1587 cc.	80	F60112111A F60612121	IN EX	R4647/SNT R4648/RNT	41	8.1	111.8	EE	45°
							34	8.1	111.8	EE	45°
1993	4	Famila 323 1.8i 16V MX5 1.8i 16V Eng. BP/B5 1840 cc.	83	BP05-12111 BP05-12121A	IN EX	R6027/SNT R6028/RNT	32.9	6	101.7	EE	45°
							28	6	102	EE	45°
2002 2005	4	5 1.8 i 16V 6 1.8 i 16V Eng. L8 1798 cc.	83		IN EX	R6341/SNT R6342/RNT	32.5	5.5	103.4	S	45°
							28	5.5	104.6	S	45°
2011 2013 2014 NEW	4	CX-5 2.0 16V 6 2.0 16V 3 2.0 16V Eng. PEY6 - PEY7 1998 cc.	83.5	PE01-12-111 PE01-12-121	IN EX	R6823/SNT R6824/RNT	33.20	5.5	107.05	S	45°
							28	5.5	117	S	45°
2007	4	CX-7 2.3 16V T DISI Eng. MZR TURBO 16V 2261 cc.	87	L3K9-12-111 L3K9-12121C	IN EX	R6615/SNT R6616/BMARCR	35	6	103.5	S	45°
							30	6	104.7	S	45°
2002 2003 2005	4	6 2.0 16V 3 2.0 i 16V 5 2.0 i 16V Eng. LF 1998 cc.	87.5	LF01-12111 LF01-12121	IN EX	R6370/SNT R6371/RNT	35	5.5	103.4	S	45°
							30	5.5	104.6	S	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	4	6 2.3 16V MPV 2.3 16V Eng. L3 2261 cc.	87.5	LF01-12111	IN	R6370/SNT	35	5.5	103.4	S	45°
				LF01-12121	EX	R6371/RNT	30	5.5	104.6	S	45°
1959	4	Titan E2 - 2000 Titan T3 - 3000		SE0112111	IN	R4672/SNT	45	9	114.8	EE	45°
				SE0112121	EX	R4673/RNT	37.5	9	114.8	EE	30°

MAZDA DIESEL

2003	4	2 1.4 CDTi Eng. F6JA-F6JB 1398 CC.	73.7	Y4011-2111	IN	R6149/SCR	32.8	5.5	97.5	I	45°
				Y4011-2121	EX	R6150/BMCR	30.2	5.5	97.5	I	45°
2003	4	3 1.6 CDTi 16V Eng. Y6 1560 cc.	75	Y6011-2111	IN	R6397/SCR	25.6	5.5	96.4	I	45°
				Y6011-2121	EX	R6398/BMCR	23.4	5.5	96.6	I	45°
2012 2013 2014 NEW		CX5 2.2 D 6 2.2 D 3 2.2 D Eng. SHY1 2191 cc.	83.5	SH01-12-111	IN	R6821/SNT	29.7	5.5	103	S	45°
				SH01-12-121A	EX	R6822/RNT	25.45	5.5	100	S	45°
1983	4	Bongo 2000 D Capella 2000 D Spectrum 2000 D Eng. RF 1998 cc. Bongo 2200 D Eng. R 2 2184 cc.	86	RF01-12111	IN	R4390/SNT	41	8	107	EE	45°
				RF01-12121B	EX	R4391/RNT	36	8	106.8	EE	45°
1994 1997	4	323 2.0 TD 626 2.0 TD Primacy 2.0 TD Eng. RF E2000/2200 2.2 D Eng. R2 1998 cc.	86	RF01-12111	IN	R4390/SNT	41	8	107	EE	45°
				RF01-12121B	EX	R4391/RNT	36	8	106.8	EE	45°
1998	4	323 2.0 DIDT 16V 626 2.0 DIDT 16V Primacy 2.0 DIDT 16V Eng. RF2 1998 cc.	86	RF2A-12111	IN	R6374/SNT	29.7	6	115.3	S	45°
				RF2A-12121	EX	R6416/RNT	25.5	6	114.6	S	45°
2002 2005 2008	4	6 2.0 CDTi 16V 5 2.0 CDTi 16V MPV 2.0 CDTi 16V 6 2.0 CDTi 16V Eng. RF5 1998 cc.	86	RF5C-12111	IN	R6415/SNT	27.2	6	115.2	S	45°
				RF5C-12121	EX	R6416/RNT	25.5	6	114.6	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11427 GS11427	IN/EX IN/EX	39 39	5.5 5.5	11.05 11.05	G SM	L L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
011-10-280 011-10-290	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L
011-10-280 011-10-290	G3596 G3597	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L
RFY1-10291	G11430	IN/EX	45	6.05	11.04	G	L-X
RFY1-10291	G11430	IN/EX	45	6.05	11.04	G	L-X

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
Y401-12-130	PI 06-0019 RA06-914	I
Y601-12-130	PI 06-0019 RA06-934	I


NOTE
remarks

MAZDA
MAZDA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2009 2009	4	6 2.2 CD CX 7 2.2 CD Eng. MRZ 2184 cc.	86	R2AA-12-111 R2AA-12-121	IN EX	R6609/SNT R6610/RNT	27.30 25.40	6 6	91.80 91.30	S S	45° 45°
1999	4	MPV 2500 TDI Eng. WLT B2500 Eng. W6 2499 cc.	93	WL51-12111 WL51-12121A	IN EX	R6424/SNT R6425/RNT	32.7 35.6	7 7	111.9 111.8	EE EE	45° 45°
2006 NEW	4	BT-50 tdi 16V Eng. WL 2499 cc.	93	1449108 6M346507AA 1449109 6M346505AA	IN EX	R6698/SNT R6699/RNT	31 28	6 6	112 112	S S	45° 45°

MERCEDES BENZ

1997 1997 2002 2002	4	A 140 1.4 i Eng. M166.940 1397 cc. A 160 1.6 i Eng. M166.960 Vaneo 1.6 i Eng. M166.961 1598 c.c	80	1660530101 1660500327	IN EX	R6130/SNT R6131/RNT	40 34	6 7	103 102.7	E E	45° 45°
2002	4	C180 Kompressor 16V C 200 Kompressor 16V CLK 200 Kompressor 16V E 200 Kompressor 16V C 230 Kompressor 16V Eng. M271.940/941/946 Eng. M271.948 1796 cc.	82	2710530001 2710500027	IN EX	R6470/SCR R6471/BMARCR	30.5 27	7 7	105.4 109.2	EE EE	45° 45°
2007	4	C180 Kompressor 16V C 200 Kompressor 16V Eng. M271.950/952 1796 cc.	82	2710530501 2710530601 2710500627	IN EX	R6630/SCR R6631/BMARCR	30.5 27	6 6	105.4 109.3	I I	45° 45
2004 2005	4	A 150 B 150 Eng. MB266.920 1498 CC.	83	1160530201 2660530105 2660500027	IN EX	R6132/SNT R6472/RNT	43 35	6 7	103 102.7	E E	45° 45°
2004 2005	4	A 170 B 170 Eng. M266.940 1699 cc.	83	1160530201 2660530105 2660500027	IN EX	R6132/SNT R6472/RNT	43 35	6 7	103 102.7	E E	45° 45°
2004 2005	4	A 200 B 200 Eng. M266.960/980 2034 cc.	83	1160530201 2660530105 2660500027	IN EX	R6132/SNT R6472/RNT	43 35	6 7	103 102.7	E E	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
RFY1-10291	G11430	IN/EX	45	6.05	11.04	G	L-X
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
	G11058				12.62		
	G11059				12.67		
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
1110531029	G11401	IN/EX	40	7	12.57	G	C.I.
	G11402				12.62		
	G11039	EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G3544	IN/EX	43.5	6	12.56	B	C.I.
					12.61		
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.
6060531229	G11057	IN	37.5	6	12.57	G	C.I.
1110531029	G11039	EX	37.5	7	12.57	G	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1130500080	PI 06-0034	I
1660500080		
6420500080	PI 06-0030	I
27105000333	RA06-947	
27105000533		
6420500080	PI 06-0030	I
27105000333	RA06-947	
27105000533		
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		
1130500080	PI 06-0034	I
1660500080		

NOTE
 remarks

MA ZDA DIESEL





MERCEDES - BENZ

PI 06-0030
 From Eng. 31216220

PI 06-0030
 From Eng. 31216220





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	A 190 1.9 i Eng. M166.990 1898 cc.	84	1160530201 1160500427	IN EX	R6132/SNT R6133/RNT	43 36	6 7	103 102.8	E E	45° 45°
2002		Vaneo 1.9 i Eng. M166.991 1898 cc.									
2002		A210 2.1 i Eng. M166.995 2084 cc.									
1995	4	C 180 1.8 i 16V Eng. 111.920 E18 From eng. N. 10-021-891 From eng. N. 12-008-004 1799 cc.	85.3	1110531201 1110501327	IN EX	R4759/SNT R4761/RARNT	33 29	7 7	101.5 103.5	EE EE	45° 45°
1976/80	6	280 - 280 S - 280 E 280 SE - SEL - SL Eng. M110 2746 cc.	86	1100500726 1100500027	IN EX	R3605/SCR R3606/RCR	45 37	9 11	115 118	EE EE	45° 45°
1980	6	280 S 280 E - CE - TE - SE 280 GE 4X4	86	1100500726 1170500127 1170500027	IN EX	R3605/SCR R4471/BMARCR	45 39.1	9 9	115 118.2	EE EE	45° 45°
1983		Eng. M110 2746 cc.									
1968/80	4	200 Eng. M115 1988 cc.	87	1150530201 1150530101 1150500027	IN EX	R4187/R R4188/RCR	44 37	9 11	128 113.2	EE EE	45° 45°
1967/74		220 Eng. M115 2197 cc.									
1981	V8	380 SE - SEL - SEC Eng. M116 3839 cc.	88	1160500426 1160500027	IN EX	R4475/RNT R4476/BMARCR	39.1 37.1	9 9	117 118.2	EE EE	45° 45°
2007	V6	C230 Eng. M272.921 2496 cc.	88	2720530801 2720530201 2720500927 2720500227	IN EX	R6632/SCR R6333/BMARCR	37 28	6 6	109.4 107.5	I I	45° 45°
2007	V6	C280 - R280 - E 280 Eng. M272.943/945/947 2996 cc.	88	2720530801 2720530201 2720500927 2720500227	IN EX	R6632/SCR R6333/BMARCR	37 28	6 6	109.4 107.5	I I	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985 1987	6	300 E 300 SE - SEL 300 E - CE - TE 300 E - TE 4 Matic	88.5	1030532001 1030501727	IN EX	R4473/SNT R4474/RARCR	43 39	8 9	110.3 110.9	EE EE	45° 45°
1989		300 SL 300 GE 4X4 Eng. M103 2962 cc.									
1989/92	6	300 E 24V 300 SL 24V Eng. M104.980/81 2960 cc.			1040531001 1040501427	IN EX	R6258/SCR R6259/BMCR	35 31	8 9	101.5 103.5	EE EE
1982	4	190 Eng. M102 1997 cc.	89	1020530601 1020500427	IN EX	R4183/SCR R4184/BMCR	40 36	8 9	114.9 115.8	EE EE	45° 45°
1990 1984	4	190 E 1.8 1797 cc. 190 - 190 E 200 - 200 T 200 E 200 GE 4X4 Eng. M 102 1997 cc.			1020530901 1030531601 1030531801 1020500327 1020500027	IN EX	R4185/SCR R4186/BMARCR	43 39	8 9	114.9 115.8	EE EE
1991 1992	V12	600 SE - SEL 600 SEC Eng. M 120 5987 cc.	89	1040531201 1040531401 1040501027 1040501727	IN EX	R4751/SNT R4752/BMARCR	35 31	7 8	101.5 103.5	EE EE	45° 45°
1991	6	300 SE - SEL 3.2 24V Eng. M 104 3199 cc.		89.9							
1992	V12	CL 600 6.0 V12 48V S 600 6.0 i V12 48V Eng. M120.982 5987 cc.	89	1110530201 1110500527	IN EX	R6428/SCR R6429/BMARCR	35 31	7 7	101.5 103.5	I I	45° 45°
1992/96 1994/96	4	200 E-CE 2.0 i 16V Eng. M111.940 C 200 2.0 i 16V CLK 200 2.0 i 16V Eng. M111.941 E 200 2.0 i 16V Eng. M111.940 1998 cc.		89.9	1110530201 1110500527	IN EX	R6428/SCR R6429/BMARCR	35 31	7 7	101.5 103.5	I I

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	200 E-CE 2.0 i 16V Eng. M111.940	89.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1997		C 200 2.0 i 16V									
1996		CLK 200 2.0 i 16V Eng. M111.941/945									
1996		C200 2.0 i 16V Komp.									
1995		CLK 200 2.0 i 16V Komp. Eng. M111.944									
1996		E 200 2.0 i 16V Eng. M111.940/942									
1997		SLK 200 2.0 i 16V Eng. M111.946									
1997		SLK 200 2.0 i 16V Komp. Eng. M111.943									
1999		E 200 2.0 i 16V Komp. Eng. M111.947 1998 cc.									
1992/96	4	220 E-CE 2.2 i 16V E220 2.2 i 16V Eng. M111.960 2199 cc.	89.9	1110530201 1110500527	IN EX	R6428/SCR R6429/BMARCR	35 31	7 7	101.5 103.5	I I	45° 45°
1993/96	4	C220 2.2 i 16V Eng. M111.961 2198 cc.									
1996	4	220 E-CE 2.2 i 16V	89.9	1110531101	IN	R4758/SNT	35	7	101.5	EE	45°
1996		E220 2.2 i 16V		1110501227 1110501427	EX	R4760/RARNT	31	7	103.5	EE	45°
1996		C220 2.2 i 16V Eng. M111.961 2199 cc.									
1992/96	6	280 E 2.8 i 24V Eng. M104.942	89.9	1110530201 1110500527	IN EX	R6428/SCR R6429/BMARCR	35 31	7 7	101.5 103.5	I I	45° 45°
1993/96		300 E-SE 2.8 i 24V Eng. M104.944									
1993/96	V6	C280 2.8 i V6 24V Eng. M104.941									
1993/96	6	E 280 2.8 i 24V Eng. M104.942									
1993/97		S280 2.8 i 24V Eng. M104.944									
1993/97		SL 280 2.8 i 24V Eng. M104.943 2799 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040				12.62		
	G11041				12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0035	I


**NOTE
remarks**
***G11518**
VERSIONE BRONZO

***G11518**
VERSIONE BRONZO





***G11518**
VERSIONE BRONZO

***G11518**
VERSIONE BRONZO

MERCEDES - BENZ

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	6	280 E 2.8 i 24V Eng. M104.942 300 E-SE 2.8 i 24V Eng. M104.944 E 280 2.8 i 24V Eng. M104.942/945 SL 280 2.8 i 24V Eng. M104.943 S 280 2.8 i 24V Eng. M104.944 C 280 2.8 i V6 24V Eng. M104.941 2799 cc.	89.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1992/96	6	320 E-CE 3.2 i 24V Eng. M104.992 E 320 3.2 i 24V Eng. M104.992 S 320 3.2 i 24V Eng. M104.994 SL 320 3.2 i 24V Eng. M104.991 G 320 3.2 i 24V Eng. M104.996 3199 cc.	89.9	1110530201 1110500527	IN EX	R6428/SCR R6429/BMARCR	35 31	7 7	101.5 103.5	I I	45° 45°
1996	6	320 E-CE 3.2 i 24V Eng. M104.992 E 320 3.2 i 24V Eng. M104.992/995 SL 320 3.2 i 24V Eng. M104.991 S 320 3.2 i 24V Eng. M104.994 G320 3.2 i 24V Eng. M104.995 G 320 3.2 i 24V Eng. M104.996 3199 cc.	89.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040	IN/EX			12.62		
	G11041	IN/EX			12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040	IN/EX			12.62		
	G11041	IN/EX			12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.
1110531029	G11039	IN/EX	37.5	7	12.57	G	C.I.
	G11040	IN/EX			12.62		
	G11041	IN/EX			12.67		
	GS11039	IN/EX	37.5	7	12.57	SM	C.I.
	G11518*	IN/EX	37.5	7	12.57	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0035	I


**NOTE
remarks**
***G11518**
VERSIONE BRONZO





***G11518**
VERSIONE BRONZO

***G11518**
VERSIONE BRONZO

MERCEDES - BENZ





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1997	V6	C 240 2.4 i V6 18V Eng. M112.912	89.9	1130530101	IN	R6260/SNT	36	7	119.4	EE	45°	
1997	V6	E 240 2.4 i V6 18V Eng. M112.913 2398 cc.		1130500227	EX	R6261/RARNT	41	7	122.3	EE	45°	
1995	V6	S 280 2.8 i V6 18V Eng. M112.922										
1995	V6	SL 280 2.8 i V6 18V Eng. M112.923/925 2799 cc.										
1997	V6	E 280 2.8 i V6 18V Eng. M112.921/926										
1997	V6	C 280 2.8 i V6 24V Eng. M112.920/924 2799 cc.										
1997	V8	CLK 430 4.3 i V8 24V Eng. M113.943										
1998	V8	C430 4.3 i V8 24V Eng. M113.944/945										
1997	V8	E 430 4.3 i V8 18V Eng. M113.940/946										
1997	V8	S 430 4.3 i V8 18V Eng. M113.941										
1997	V8	ML 430 4.3 i V8 18V Eng. M113.942 4266 cc.										
2003	V6	Viano 3.2 V6 18V		89.9	1130530101	IN	R6260/SNT	36	7	119.4	EE	45°
2003	V6	Vito 3.2 V6 18V Eng. M112.951 3199 cc.			1130500227	EX	R6261/RARNT	41	7	122.3	EE	45°
1995	4	C230 2.3 i 16V Komp. Eng. M111.975	90.9	1110531101	IN	R4758/SNT	35	7	101.5	EE	45°	
		CLK 230 2.3 i 16V Komp. Eng. M111.973/975		1110501227	EX	R4760/RARNT	31	7	103.5	EE	45°	
1995	4	Sprinter 2.3 i 16V Eng. M111.979										
1996		C230 2.3 i 16V Eng. M111.974										
1996		E 230 2.3 i 16V Eng. M111.970										
1997		SLK 230 2.3 i Komp. Eng. M111.973										
1998		ML 230 2.3 i 16V Eng. M111.977 2295 cc.										

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991	V8	400 SE - SEL Eng. M119 4196 cc.	92								
1982/83	4	208 - 210 - 308 - 310 410 L 408 - 409 - 410 LK 408 - 409 - 410 O 309 - B410 - 510	95.5	1020530801 1020531501 1020531701 1020500327	IN	R4472/SNT	46	8	114.9	EE	45°
1980/83	4	230 E - CE - TE									
1982/84	4	230 GE 4X4 Eng. M102 2299 cc.			EX	R4186/BMARCR	39	9	115.8	EE	45°
1986	4	190 E 2.3 208 - 210 - 308 - 310									
1984	4	230 E - CE - TE									
1984	4	230 GE 4X4 Eng. M 102 2299 cc.									
1984/88	4	190 E 2.3 16V Eng. M102 2299 cc.	95.5	1020531001 1020531401 1020500627	IN	R4306/SCR	38	7	111.7	EE	45°
1989	4	190 E 2.5 16V Eng. M102 2498 cc.	97.3	1020500827 1020501027	EX	R4307/BMARCR	33	8	111.5	EE	45°
1990	4	190 E 2.5 16V Eng. M102 2498 cc.									
1985	V8	500 SL - SE - SEL Eng. M 117 4973 cc.	96.5	1170500126 1170500127	IN	R4470/RCR	46.2	9	117	EE	45°
1985		560 SE - SEC Eng. M 117 5547 cc.			EX	R4471/BMARCR	39.1	9	118.2	EE	45°

MERCEDES BENZ DIESEL

1998	4	A160 CDI 16V Eng. OM 668.941	80	6680530301 6680500227	IN	R6134/SCR	29.6	6	105.2	I	45°
1998		A170 CDI 16V Eng. OM 668.940/942 1689 cc.			EX	R6135/RCR	24.6	7	105	I	45°
1998	4	Vaneo 1.7 CDI 16V Eng. OM 668.914 1689 cc.	80	6680530301 6680500227	IN	R6134/SCR	29.6	6	105.2	I	45°
					EX	R6135/RCR	24.6	7	105	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2004	4	A 160 CDI 16V A 180 CDI 16V A 200 CDI 16V	83	6420530401 6420500527	IN EX	R6473/SCR R6474/RCR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°
2005 2005		B180 CDI 16V B200 CDI 16V Eng. OM640.940/941/942 1991 cc.									
2010	4	C180 CDI C200 CDI C250 CDI B180 CDI B200 CDI B220 CDI E220 CDI GLK200 CDI GLK220 CDI Eng. OM651 1796 - 2143 cc.	83	6510530101 6510500127	IN EX	R6755/SCR R6756/BMCR	28.40 24.7	6 6	108.9 109.2	I I	45° 45°
NEW											
2006	V6	C320 3.0 CDI 24V R320 3.0 CDI 24V R280 3.0 CDI 24V ML320 3.0 CDI 24V GL 320 3.0 CDI 24V Eng. OM642.910/960/961 Eng. OM642.940/822 2987 cc.	83	6420530401 6420500527	IN EX	R6473/SCR R6474/RCR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°
2005	V6	E280 3.0 CDI 24V Eng. 642.920/921 2987 cc.	83	6420530401 6420500527	IN EX	R6473/SCR R6474/RCR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°
2005	V6	S300 3.0 CDI 24V Eng. OM642.930 2987 cc.	83	6420530401 6420500527	IN EX	R6473/SCR R6474/RCR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°
2007 2006	V6	Vito 3.0 CDI 24V Viano 3.0 CDI 24V Eng. OM 642 2987 cc.	83	6420530401 6420500527	IN EX	R6473/SCR R6474/RCR	28.5 25.4	6 6	102.3 102.3	I I	45° 45°
1967/79	4	200 D - 220 D Eng. OM 615 1988 cc.	87	6150530101 6150530001 6150530705 6150530405	IN EX	R3433/SCR R3434/BMCR	38.8 33.2	10 10	131.5 131	C C	30° 30°
1979	4	200 D Eng. OM 615 1988 cc.	87	6150530501 6150530705 6150530405	IN EX	R4190/SCR R3434/BMCR	38.8 33.2	10 10	131.5 131	C C	30° 30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11398 G11399 GS11398	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
	G11398 G11399 GS11398	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
	G11398 G11399 GS11398	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
	G11398 G11399 GS11398	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
	G11398 G11399 GS11398	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
6160530329	G2133 G2134 G2135	IN	61	10	14.03 14.08 14.13	G	L
6210530330	G2136 G2137 G2138	EX	49	10	14.03 14.08 14.13	G	L
6160530329	G2133 G2136	IN EX	61 49	10 10	14.03 14.03	G G	L L




**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6680500080 6680500180 6420500080	PI 06-0019	I
6680500080 6680500180 6420500080	PI 06-0019	I
6680500080 6680500180 6420500080	PI 06-0019	I
6680500080 6680500180 6420500080	PI 06-0019	I
6680500080 6680500180 6420500080	PI 06-0019	I


**NOTE
remarks**
MERCEDES - BENZ DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	5	C250 2.5 D 20V Eng. 605.910 2497 cc.	87	6060531101 6060530705 6060501127	IN EX EX	R4918/SNT R4929/RCR R4930/BMCR	29	6	105.4	EE	45°
							26	6	105.7	EE	45°
							26	7	105.7	EE	45°
1987	5	E250 2.5 D 20V Eng. 605.911/912 2497 cc.	87	6060531101 6060530705	IN EX	R4918/SNT R4929/RCR	29	6	105.4	EE	45°
							26	6	105.7	EE	45°
1997/99	5	E250 2.5 TD 20V Eng. 605.962 2497 cc.	87	6060531101 6060501127	IN EX	R4918/SNT R4930/BMCR	29	6	105.4	EE	45°
							26	7	105.7	EE	45°
1993	6	E300 3.0 D 24V Eng. OM 606.910 2996 cc.	87	6060530701 6060530305	IN EX	R4931/SCR R4932/RCR	29	6	105.4	I	45°
							26	6	105.7	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983/93	4	190 2.0 D Eng. OM601.911	87	6010531701	IN	R4193/SCR	38	8	106.4	EE	45°
1984		200 2.0 D		6010530401							
1993		E200 2.0 D Eng. OM601.912		6010531201	EX	R4194/BMCR	35	9	106.4	EE	45°
		1996 cc.		6010501227							
1993	4	C 200 2.0 D 16V Eng. OM601.913		6010502127							
		1997 cc.		6010502327							
1985/93	5	190 2.5 D Eng. OM602.911									
1985/93		250 2.5 Eng. OM602.912									
1988/93		190 2.5 TD Eng. OM602.961A									
1988/95		250 2.5 TD									
1993		E250 2.5 TD 10V Eng. OM602.962A									
1987		250 GD 2.5 D Eng. OM602.930-931									
		Eng. OM 602.938-939									
		2497 cc.									
1984/93	6	300 3.0 D G 300 GD 3.0 D Eng. OM603.912-913									
1989		G300 GD 3.0 D Eng. OM603.931									
1986/93		300 3.0 TD									
1993/96		E300 3.0 TD 250 GD 3.0 TD Eng. OM603.960-963									
		2996 cc.									
1996	4	V 230 2.3 TD Eng. OM601.970	87	6010531701	IN	R4193/SCR	38	8	106.4	EE	45°
		Eng. OM601D23LA		6010502327	EX	R4194/BMCR	35	9	106.4	EE	45°
		2298 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6010500624	G3091 G3370 G3371	IN	39.5	8	14.07 14.12 14.17	G	C.I.-U
6010500924	G3092 G3373 G3374	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6010500624	G3091 G3370 G3371	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	G3092 G3373 G3374	EX	37.3	9	14.07 14.12 14.17	G	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
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6010500525 6015000825	PI 06-0036	I


NOTE
 remarks

MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998 1997	4	C 200 2.2 CDI 16V C 220 2.2 CDI 16V Eng. OM611.960-962 2148 cc.	88	6110530101 6110530401 6110530105 6110500127	IN EX	R6173/SNT R6174/RNT	30.1 28.4	7 7	104 104.4	I I	45° 45°
1999	4	V 200 2.2 CDI 16V Vito 2.2 CDI 16V Eng. OM611.980 Eng. OM 611LA									
2000	4	Sprinter 2.2 CDI 16V Eng. OM611.980-981-987 Eng. OM 611DE22LA 2151 cc.									
1999	5	E 270 2.7 CDI 20V Eng. OM612.961	88	6110530101 6110530401 6110530105 6110500127	IN EX	R6173/SNT R6174/RNT	30.1 28.4	7 7	104 104.4	I I	45° 45°
2001	5	ML 270 2.7 CDI 20V Eng. OM612.963									
2001	5	G 270 2.7 CDI 20V Eng. OM612.965-966									
2000	5	C 270 2.7 CDI 20V									
2002	5	CLK 270 2.7 CDI 20V Eng. OM 612.962-967 2686 cc.									
2001	4	C 200 2.2 CDI 16V Eng. OM 646.962	88	6280530001 6280530005	IN EX	R6426/SNT R6427/RNT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2002	4	E 200 2.2 CDI 16V Eng. OM 646.951									
2002	4	E 220 2.2 CDI 16V Eng. OM 646.961									
2003	4	C 220 2.2 CDI 16V									
2005	4	CLK 2.2 CDI 16V Eng. OM 646.963 2148 cc.									
2003	4	Viano 2.2 CDI 16V Eng. OM646.982	88	6280530001 6460530001 6280530005	IN EX	R6426/SNT R6427/RNT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2003	4	Vito 2.2 CDI 16V Eng. OM 646.982/983 2148 cc.									
2002	5	E 270 2.7 CDI 20V Eng. OM 647.961 2685 cc.	88	6280530001 6280530005	IN EX	R6426/SNT R6427/RNT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2002	6	S 320 3.2 CDI 24V	88	6280530001	IN	R6426/SNT	28.7	7	104.1	E	45°
2002	6	E 320 3.2 CDI 24V		6280530005	EX	R6427/RNT	26.2	7	104.5	E	45°
2004	6	E 280 3.2 CDI 24V Eng. OM 648.961 3222 cc.									
2001	V8	ML 400 4.0 CDI V8 24V Eng. OM 628.963 3996 cc.	88	6280530001 6280530005	IN EX	R6426/SNT R6427/RNT	28.7 26.2	7 7	104.1 104.5	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	GS11054	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	GS11054	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	G11054 G11055 G11056	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	GS11054	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	G11054 G11055 GS11054	IN/EX	37.6	7	12.57 12.61 12.57	G	C.I.
		IN/EX	37.6	7	12.57	SM	C.I.
6110530329	G11054 G11055 G11056 GS11054	IN/EX	37.6	7	12.57 12.61 12.76 12.57	G	C.I.
		IN/EX	37.6	7	12.57	SM	C.I.
6110530329	G11054 G11055 GS11054	IN/EX	37.6	7	12.57 12.61 12.57	G	C.I.
		IN/EX	37.6	7	12.57	SM	C.I.





**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I
6110500025 6110500225	PI 06-0021	I


**NOTE
remarks**
MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	4	C220 2.2 D 16V Eng. OM 604.910 2155 cc.	89	6060530701 6060530305	IN EX	R4931/SCR R4932/RCR	29 26	6 6	105.4 105.7	I I	45° 45°
1995	4	E220 2.2 D 16V Eng. OM 604.912 2155 cc.	89	6060531101 6060530705	IN EX	R4918/SNT R4929/RCR	29 26	6 6	105.4 105.7	EE EE	45° 45°
1996/99	4	E290 2.9 TDI 10V Eng. OM602.982 2874 cc.	89	6010531701 6010532327	IN EX	R4193/SCR R4194/BMCR	38	8	106.4	EE	45°
1991	6	350 GD 3.0 D Eng. OM603972A 3449 cc.					35	9	106.4	EE	45°
1995	4	Sprinter 2.3 D Eng. OM601.943 2298 cc.	89	6010531701 6010530401 6010531201	IN EX	R4193/SCR R4194/BMCR	38	8	106.4	EE	45°
1996	4	Vito 2.3 D Eng. OM601.942 Vito 2.3 TD Eng. OM601.970 Eng. OM601D23LA 2298 cc.					35	9	106.4	EE	45°
1995	5	Sprinter 2.9 TDI Eng. OM602.980 Eng. OM602DE29LA	89	6010531701 6010502327	IN EX	R4193/SCR R4194/BMCR	38	8	106.4	EE	45°
1996	5	Sprinter 2.9 TDI Eng. OM602.984-985 Eng. OM602LA 2874 cc.					35	9	106.4	EE	45°
1988	4	208 - 308 - 408 - 508 2.3D Eng. OM601.900-940-941 2299 cc.	89	6010531701 6010502327	IN EX	R4193/SCR R4194/BMCR	38	8	106.4	EE	45°
1988	5	210-310-410 2.9D Eng. OM602.900-940-991 2874 cc.					35	9	106.4	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	G3578 G3579 G3580	IN/EX	37.5	6	12.57 12.62 12.77	G	C.I.
6060531229	G3578 G3579 G3580	IN/EX	37.5	6	12.57 12.62 12.77	G	C.I.
6010500624	G3091 G3370 G3371	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	G3092 G3373 G3374	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6010500624	G3091 G3370 G3371	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	G3092 G3373 G3374	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6010500624	G3091 G3370 G3371	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	G3092 G3373 G3374	EX	37.3	9	14.07 14.12 14.17	G	C.I.



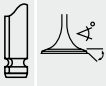
**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6010500525 6015000825	PI 06-0036	I
6010500525 6015000825 6010500080 6010500325 6010500380 6010500425 6010500725	PI 06-0036	I


**NOTE
remarks**
MERCEDES - BENZ DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1973	4	L - LK - LKO 406 DG	90.9	6160530301	IN	R3919/SCR	39.8	10	131.5	C	30°	
		L - LK - LKO 407 D		6160530201	IN	R3633/SCR	39.8	10	131.5	C	30°	
		O 309 D		6160500127	EX	R3634/BMCR	34.2	10	131	C	30°	
		240 D - TD		6160500527								
		407 D - 507 D - 510 D		6160500027								
		207 D - 307 D										
		Eng. OM 616										
		2399 cc.										
		240 GD 4X4										
		MB 100 D										
		Eng. OM 616.963										
		2998 cc.										
1974	5	240 D 3.0										
		300 D - TD										
		300 GD 4X4										
		Eng. OM 617										
		2998 cc.										
1978	5	300 TD	90.9	6170530001	IN	R4191/SCR	39.8	10	131.5	C	30°	
		Eng. OM 617A Turbo		6170500027	EX	R4192/BMCR	34.2	10	131	C	30°	
		2998 cc.										

MERCEDES BENZ INDUSTRIAL DIESEL

1964/71	4	Eng. OM 314	97	3520530101	IN	R3724/SCR	44	9	140.5	M	45°
		3782 cc.		3210530705	EX	R0719/SCR	36	9	140.5	M	45°
				3520531505	EX	R3725/RCR	36	10	140.5	M	45°
	6	Eng. OM 352									
		Eng. OM 352A Turbo									
		Eng. OM 353A Turbo									
		5673 cc.									
1982	6	Eng. OM 362 LA Turbo	97	3660500226	IN	R4917/SCR	43	9	140.5	M	30°
		5675 cc.		3660500027	EX	R3725/RCR	36	10	140.5	M	45°
1984	4	Eng. OM 364	97.5								
		3972 cc.									
1984	4	611 D - 711 D - 811 D	97.5	3660500326	IN	R4898/SCR	42	9	140.5	M	30°
		Eng. OM 364 A Turbo		3660500227	EX	R3725/RCR	36	10	140.5	M	45°
		3972 cc.									
1984	6	Eng. OM 366	97.5	3660500226	IN	R4917/SCR	43	9	140.5	M	30°
		Eng. 366A Turbo		3660500027	EX	R3725/RCR	36	10	140.5	M	45°
		Up to Eng. n. 013600									
		Eng. OM 366 LA Turbo									
		Up to Eng. n. 013600									
		5958 cc.									
1985	6	Eng. OM 366A Turbo	97.5	3660500326	IN	R4898/SCR	42	9	140.5	M	30°
		From Eng. n. 013601		3660500227	EX	R3725/RCR	36	10	140.5	M	45°
		Eng. OM 366 LA Turbo									
		From Eng. n. 013601									
		5958 cc.									





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1998	4	Atego Eng. OM 904 LA12V Eng. OM 907 12V 4247 cc.	102	9060500226	IN	R6534/BMCR	34	8	125.9	M	20°
	6	Eng. OM 906 18V 6374 cc.		9060500326	IN	R6262/BMCR	34	8	128.7	M	20°
				9060500327	EX	R6263/BMCR	37.9	8	152.5	M	45°
2000	4	Atego Eng. OM 924.910.911.912 Eng. OM 924.914 4800 cc.	106	9060500226	IN	R6534/BMCR	34	8	125.9	M	20°
				9060500326	IN	R6262/BMCR	34	8	128.7	M	20°
2000	6	Axor Eng. OM 926.910.911.912 Eng. OM 926.914.915 7201 cc.		9060500327	EX	R6263/BMCR	37.9	8	152.5	M	45°
1965	6	Eng. OM 327 7980 cc.	115	3270530701	IN	R4088/SCR	54	10	150	M	45°
1968	6	Eng. OM 360 Eng. OM 360H 8720 cc.		3270530705	EX	R4089/RCR	43	10	150	M	45°
				3600500127							
1978	6	Eng. OM 360A Turbo 8720 cc.	115	3600500126	IN	R4604/BMCR	54	10	150	M	30°
				3600500226	EX	R4605/BMCR	43	10	150	M	45°
				3600500227							

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1972	V6	Eng. OM 401 Up to Eng. n. 265214 9570 cc.	125	4230500026 4230500427	IN EX	R4580/SARCR* R4581/BMCR*	59	12	142.5	M	30°
	V6	Eng. OM 401 A Turbo 9570 cc.					51	12	142.5	M	45°
	V8	Eng. OM 402 Up to Eng. n. 265214 12670 cc.									
	V10	Eng. OM 403 Up to Eng. n. 265214 15960 cc.									
	V12	Eng. OM 404 Up to Eng. n. 265214 20910 cc.									
	V12	Eng. OM 404A Turbo Up to Eng. 006644 20910 cc.									
	1976	6					Eng. OM 407 Up to Eng. n. 029460 11413 cc.				
6		Eng. OM 407H Up to Eng. n. 029460 11413 cc.									
1980	6	Eng. OM 407A - LA -HA Eng. OM 407 Turbo Eng. OM 407AH Turbo Up to Eng. n. 029460 11413 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.

PI **PUNTERIE · LIFTERS**
RA **BILANCIERI**
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE
remarks

*R4580/SARCR
*R4581/BMCR
Retainer stem
end 7.7 mm

MERCEDES - BENZ INDUSTRIAL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1972	V6	Eng. OM 401 From eng. n. 265215 9570 cc.	125	4420500326 4220500027	IN EX	R4351/BMCR* R4352/BMCR*	58.9	12	142.5	M	30°
	V8	Eng. OM 402 From eng. n. 265215 12670 cc.					51	12	142.5	M	45°
	V10	Eng. OM 403 From eng. n. 265215 15960 cc.									
	V12	Eng. OM 404 From eng. n. 006645 20910 cc. Eng. OM 404A Turbo From eng. n. 006645 20910 cc.									
1980	6	Eng. OM 407 From eng. n. 029461 11413 cc. Eng. OM 407 H From 029461 11413 cc.									
		Eng. OM 407A-LA-HA From eng. n. 029461 Eng. OM 407 Turbo From eng. n. 029461 11413 cc.									
		Eng. OM 407AH Turbo From eng. 029461 11413 cc.									
1991	V6	Eng. OM 401A - LA Turbo 9567 cc.	125	4420500526 4420500326 4420500427	IN EX	R4351/BMCR* R4568/BMCR*	58.9	12	142.5	M	30°
	V8	Eng. OM 402A LA Turbo 12756 cc.					51	12	142.5	M	45°
1980	6	Eng. OM 407 AH Turbo From Eng. n. 029461 11413 cc.									
1967/78	6	Eng. OM 355 Eng. OM 355 H	128	3460530001 3460530101	IN EX	R3702/RCR R3703/RCR	42	9	129.8	M	45°
1978	6	Eng. OM 355A Turbo 11581 cc.					37	9	165.2	M	45°
1978	6	Eng. OM 355A Turbo 11581 cc.	128	3550530001 3550530005 3550500027	IN EX	R4094/RCR R4095/RCR	42	9	130.6	M	30°
							37	9	165.9	M	30°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
3460530929 3550530330	G2146 G2147	IN EX	67.5 86.5	9 9	15.04 15.04	G G	L L
3460530929 3550530330	G2146 G2147	IN EX	67.5 86.5	9 9	15.04 15.04	G G	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks
<p>*R4351/BMCR *R4352/BMCR Retainer stem end 2.75 mm</p>
<p>*R4351/BMCR *R4568/BMCR Retainer stem end 2.75 mm</p>

MERCEDES - BENZ INDUSTRIAL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	V6	Eng. OM 421 Up to Eng. n. 139487 10965 cc.	128	4230500026 4230500427	IN EX	R4580/SARCR* R4581/BMCR*	59	12	142.5	M	30°
	V8	Eng. OM 422 Up to Eng. n. 139487 14618 cc.					51	12	142.5	M	45°
1981	V10	Eng. OM 423 Up to Eng. n. 139487 18270 cc.									
1981	V12	Eng. OM 424 Up to Eng. n. 002307 21930 cc.									
1985	6	Eng. OM 427 - 427 H Up to Eng. n. 001399 11961 cc.									
1979	V6	Eng. OM 421 From Eng. n. 139488 10965 cc.	128	4420500326 4220500027	IN EX	R4351/BMCR* R4352/BMCR*	58.9	12	142.5	M	30°
	V8	Eng. OM 422 From Eng. n. 139488 14618 cc.					51	12	142.5	M	45°
1981	V10	Eng. OM 423 From Eng. n. 1139488 18270 cc.									
1981	V12	Eng. OM 424 From Eng. n. 002308 21930 cc.									
1985	6	Eng. OM 427 - 427 H From Eng. 001400 11960 cc.									
1987	V6	Eng. OM 441 11309 cc.									
	V8	Eng. OM 442 14600 cc.									
1985	6	Eng. OM 447 - 447H 11970 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I






NOTE
 remarks

***R4580/SARCR**
***R4581/BMCR**
 Retainer stem
 end 7.7 mm

***R4351/BMCR**
***R4352/BMCR**
 Retainer stem
 end 2.75 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	V6	Eng. OM 421A/LA Turbo Up to Eng. n. 139487 10965 cc.	128	4230500026 4230500327	IN EX	R4580/SARCR* R4569/BMCR*	59	12	142.5	M	30°
	V8	Eng. OM 422A Turbo Eng. OM 422 LA Turbo Up to Eng. n. 139487 14618 cc.					51	12	142.5	M	45°
	V10	Eng. OM 423A/LA Turbo Up to Eng. n. 139487 18270 cc.					17	8	84	S	45°
	V12	Eng. OM 424A/LA Turbo Up to Eng. n. 002307 21930 cc.					17	8	90.3	S	45°
1979	V6	Eng. OM 421A/LA Turbo From Eng. n. 139488 10965 cc.	128	4420500326 4220500127 4220500227	IN EX	R4351/BMCR* R4568/BMCR*	58.9	12	142.5	M	30°
	V8	Eng. OM 422A/LA Turbo From Eng. n. 139488 14618 cc.					51	12	142.5	M	45°
	V10	Eng. OM 423A/LA Turbo From Eng. n. 139488 18270 cc.					17	8	84	S	45°
	V12	Eng. OM 424A/LA Turbo From Eng. 002308 21930 cc.					17	8	90.3	S	45°
1985	6	Eng. OM 427A/LA Turbo 11967 cc.									
1987	V6	Eng. OM 441A/LA Turbo 11309 cc.									
	V6	Eng. OM 441A/LA Turbo 10958 cc. Eng. OM 447A/LA Turbo 11961 cc.									
	V8	Eng. OM 442 A Turbo Eng. OM 442A/LA Turbo 14610 cc.									
	V8	Eng. OM 442 Eng. OM 442A Turbo 14600 cc.									
1985	V12	Eng. OM A/LA Turbo 21930 cc.									
	6	Eng. OM 447A/LA Turbo 11970 cc.									
1987	V6	Eng. OM 441 11303 cc.	130	4420500326 4220500127	IN EX	R4351/BMCR* R4568/BMCR*	58.9 51	12 12	142.5 142.5	M M	30° 45°
1985	V8	Eng. OM 442 15100 cc.		4220500227							

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	G3080 G11038	IN/EX	67	12	18.05 18.10	G	C.I.

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RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


NOTE
 remarks

***R4580/SARCR**
***R4569/BMCR**
 Retainer stem
 end 7.7 mm





***R4351/BMCR**
***R4568/BMCR**
 Retainer stem
 end 2.75 mm

***R4351/BMCR**
***R4568/BMCR**
 Retainer stem
 end 2.75 mm

MERCEDES - BENZ INDUSTRIAL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	V6	ACTROS Eng. OM501LAV6 24V Eng. OM541.920-927 11946 cc.	130	5410500226	IN	R6190/BMCR	45.5	9	145	M	30°
		5410500227		EX	R6191/BMCR	41	9	145	M	45°	
	V8 Eng. OM502LAV8 32V Eng. OM 542LA32V 15928	MODULATING VALVE		5410160791		R6481/R	17	8	86.8	S	45°
				5410160591							
				5410160691							
MG											
2000	4	MG-F 120 1.8 i 16V Eng. 18K4F	80	LGH10029	IN	R4816/SNT	27.7	6	89.6	S	45°
		MG-F 160 1.8 i 16V VVC Eng. 18K4K		LGH10065	EX	R6118/RNT	27.4	6	90	S	45°
2002		MG-TF 120/135 1.8 i 16V Eng. 18K4F		LGH101360							
2001		MG-ZR 160 1.8 i 16V MG-ZS 160 1.8 i 16V Eng. 18K4F 1796 cc.									
2002	4	MG-TF 160 1.8 VVC MG-ZR 160 1.8 VVC Eng. 18K4K 1796 cc.	80	LGH10064	IN	R6117/SNT	31.6	6	89.6	S	45°
				LGH10065	EX	R6118/RNT	27.4	6	90	S	45°
			LGH101360								
2001	V6	MG- ZS 180 2.5 V6 24V MG-ZT 180/190 2.5 V6 24V Eng. 25K4F 2497 cc.	80	LGH10064	IN	R6117/SNT	31.6	6	89.6	S	45°
				LGH10065	EX	R6118/RNT	27.4	6	90	S	45°
			LGH101360								
MG DIESEL											
2002	4	MG-ZT 2.0 CDTI 16V MG-ZT-T 2.0 CDTI 16V Eng. 204D2 1951 cc.	84	LGH101450	IN/EX	R6088/BMCR	26	6	100	I	45°
2004	4	MG-ZR 115 2.0 TDI 16V MG-ZS 115 2.0 TDI 16V Eng. 20T2N 1994 cc.	84.5	LGH100990	IN	R6119/SNT	37.2	7	86.7	EE	45°
				LGH100980	EX	R6120/RNT	32.5	7	86.7	EE	45°
MINI											
2002	4	Mini 1.4 i 16V Eng. W10B14A 1398 cc.	77	11341485585	IN	R6252/SCR	30.3	6	109.5	I	45°
				11347513023							
				11347829943	EX	R6253/BMCR	23.3	6	118.3	I	45°
			11347513024								
2000	4	Mini One 1.6 i 16V Mini Cooper 1.6 i 16V Eng. R50 - R52 1598 cc.	77	11341485585	IN	R6252/SCR	30.3	6	109.5	I	45°
				11347513023							
				11347829943	EX	R6253/BMCR	23.3	6	118.3	I	45°
			11347513024								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2009 NEW	4	Mini Clubman One 1.4 i 16V Mini One 1.4 i 16V Eng. N12B14A 1397 cc.	77	11347533884	IN	R6712/S	29.95	5	97.10	I	45°
				11347533885	EX	R6725/R	25.10	5	110.75	I	45°
2007 NEW	4	Cooper S Eng. N14B16A Eng. N14B16C 1598 cc.	77	11347587470	IN	R6663/S	28.8	5	105.7	I	45°
				11347534508	EX	R6664/R	26	5	110.1	I	45°
2010 NEW	4	Cooper 1.6 16V Eng. N18B16A Eng. N18B16B Eng. N18B16C 1598 cc.	77	11347585901		IN	R6711/S	29.70	5	95.10	I
				11347547187	EX	R6664/R	26	5	110.1	I	45°
				11347533884	IN	R6712/S	29.95	5	97.10	I	45°
				11347533885	EX	R6725/R	25.10	5	110.75	I	45°
2009 NEW	4	Cooper 1.6 i 16V Eng. N16B16A Eng. N12B16A 1598 cc.	77	11347533884	IN	R6712/S	29.95	5	97.10	I	45°
				11347533885	EX	R6725/R	25.10	5	110.75	I	45°

MINI DIESEL

2003	4	Mini One 1.4D Eng. 1ND-1NDTV 1364 cc.	73	11347791054	IN	R6320/SNT	30.8	6	100	S	45°
				11347791055	EX	R6321/RNT	28	6	99.8	S	45°
2006	4	Mini Cooper D Eng. R55/56 1560 cc.	75	11.347.805.968	IN	R6397/SCR	25.6	5.5	96.4	I	45°
				11.347.805.969	EX	R6398/BMCR	23.4	5.5	96.6	I	45°
2007 NEW	4	Mini One 1.6D 16V Mini Cooper 1.6D 16V Mini Clubman 1.6D 16V Eng. 9HZ(DV6TED4) 1560 cc.	75		IN	R6728/SCR	25.6	5.5	96.06	I	45°
					EX	R6729/R	23.5	5.5	96.25	I	45°
2011 NEW	4	Mini One 1.6D 16V Mini Cooper 1.6D 16V Eng. N47C16A 1598 cc.	78	11347812618	IN	R6771/SCR	24.80	5	94	I	45°
				11347812616	EX	R6772/R	21.20	5	94	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
11122-30020	G11368	IN/EX	40.6	6	11.04	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414 GS11413	IN/EX IN/EX	34 34	5.5 5.5	9.54 9.59 9.54	G SM	L L
	G11528 G11529	IN/EX	36	5	10.05 10.10	B	L

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RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0046* PI 06-0047* RA06-950	I I
	PI 06-0046* PI 06-0047* RA06-950	I I
	PI 06-0046* PI 06-0047* RA06-950	I I
	PI 06-0046* PI 06-0047* RA06-950	I I
11337805973	PI 06-0019 RA06-934	I
	PI 06-0019 RA06-934	I
11332249817 11337812893 11337797710	PI 06-0019 RA06-949	I


**NOTE
remarks**

PI 06-0046*
12X29.90
PI 06-0047*
12X39.30

PI 06-0046*
12X29.90
PI 06-0047*
12X39.30



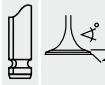
PI 06-0046*
12X29.90
PI 06-0047*
12X39.30

PI 06-0046*
12X29.90
PI 06-0047*
12X39.30

MINI
MINI DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				45°
							D	d	L		
1998	4	Spece Star 1.3 16V Eng. 4G13 1299 cc.	71	MD342090	IN	R6486/SNT	27	5.5	111.6	S	45°
				MD342091	EX	R6487/RNT	23.4	5.5	114.8	S	45°
1975/78	4	Lancer 1200 Eng. G36 1238 cc.	73	MD000480	IN	R3829/S	38	8	106	H	45°
1977/78	4	Celeste 1400 Delica 1400 Galant 1400 Lancer 1400 Fork 1400 Eng. 4G33 1439 cc.		MD000481	EX	R3830/RCR	31	8	102.5	H	45°
2004	3	Colt 1.1 i 12V Eng. 3A91 1124 cc.	75	MR984260	IN	R6484/SNT	30.4	5	89.5	S	45°
				MR984261	EX	R6485/RNT	25.4	5	90.9	S	45°
2004	4	Colt 1.3 i 16V Eng. 4A90 1332 cc.		MR984260	IN	R6484/SNT	30.4	5	89.5	S	45°
2004	4	Colt 1.5 i 16V Eng. 4A91 1499 cc.		MR984261	EX	R6485/RNT	25.4	5	90.9	S	45°
2004	4	Space Star 1.6 i 16V 1584 cc.	76	MD339752	IN	R6482/SNT	29	5.5	111.7	S	45°
				MD339754	EX	R6483/RNT	25.4	5.5	114.7	S	45°
1985/88	4	Colt - Mirage - Lancer Eng. G32B 1598 cc.	76.9	MD075925	IN	R4786/S	38	8	103.5	EE	45°
				MD075928	EX	R4787/RNT	31	8	100	EE	45°
1999	4	Space Star 1.8 Pajero Pinin 2.0 16V Eng. 4G94 1999 cc.	81	MD162780	IN	R6272/SNT	33	6	104.3	EE	45°
				MD162800	EX	R6273/RNT	28.2	6	103.8	EE	45°
1989	4	Colt - Mirage Eng. 4G61 1595 cc	82.3	MD127840	IN	R4921/SNT	34	6.6	109.7	EE	45°
1990	4	Galant Eng. 4G63		85	MD127841	EX	R4922/RNT	30.5	6.6	109.7	EE

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	4	Space Wagon 2.0 16V	85	MD301193	IN	R6104/SNT	33	6	112.5	EE	45°
		Space Gear 2.0 16V		MD159502	EX	R6105/RARNT	29	6	114.2	EE	45°
		Galant 2.0 16V		MD197097							
		Eng. 4G63 16V 1997 cc.		MD199193							
	4	Space Gear 2.4	86.5	MD306183							
		Eng. G64K 16V 2350 cc.									
		L 300	86.5								
		Pajero									
		Space Runner									
		Eng. 4G64 2351 cc.									

MITSUBISHI DIESEL

2004	4	Colt 1.5 DI-D 1493 cc.	75	MN 960088	IN	R6473/SCR	28.5	6	102.3	I	45°
				MN 960089	EX	R6474/RCR	25.4	6	102.3	I	45°
1996	4	Carisma 1.9 TD Eng. F8QT 1870 cc.	80	7701466716	IN	R4717/BM	36.2	8	111.7	E	30°
				7701466717	EX	R4718/BM	31.6	8	111.7	E	45°
2000	4	Carisma 1.9 DI-D Eng. F9Q1-F9Q2 1870 cc.	80	7700110387	IN	R4973/S	35.3	7	110.9	E	45°
				7700110389	EX	R4974/R	32.6	7	110.7	E	45°
2000	4	Space Star 1.9 TDI Eng. F9Q 1870 cc.	80	MW30620685	IN	R4973/S	35.3	7	110.9	E	45°
				MW30620686	EX	R4974/R	32.6	7	110.7	E	45°
1984/88	4	Colt - Galant Lancer Space Wagon Eng. 4D65 - 4D65T 1795 cc.	80.60	MD075287	IN	R6008/BMNT	36	8	119.2	EE	45°
				MD080778	EX	R6009/BMNT	32	8	119.2	EE	45°
2007	4	Grandis 2.0 DI-D Outlander 2.0 DI-D Eng. BSY 1968 cc.	81	MN 980080	IN	R6372/S	29.1	6	87.8	I	45°
				MN 980081	EX	R6373/BM	25.4	6	87.5	I	45°
1992/93	4	Lancer - Galant Spacewagon Eng. 4D68 - 4D68T 1998 cc.	82.7	MD173602	IN	R6100/SNT	36	8	114.1	EE	45°
				MD180356	EX	R6101/RNT	32	8	113.6	EE	45°
1980	4	Delica 2300 Galant 2300 Pajero 4x4 Eng. 4D55 2346 cc.	91.1	MD050552	IN	R4405/SNT	40	8	136.5	M	45°
				MD050543	EX	R4406/RNT	34	8	136.5	M	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MD300702	G11342	IN/EX	45.5	6	11.07	G	L-X
	G11261	IN	45.5	6	11.07	G	L-X
	G11262	EX	50.5	6	11.12	G	L-X
	G11263				11.07		
G11264		11.12					
	G11398	IN/EX	34.5	6	11.56	G	C.I.
	G11399				11.60		
	GS11398	IN/EX	34.5	6	11.56	SM	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
	G3245				13.11		
	G13600	IN/EX	38.3	7	12.06	B	C.I.
	G11164				12.11		
	G13600	IN/EX	38.3	7	12.06	B	C.I.
	G11164				12.11		
MDO - 76354	G11117	IN	56	8	13.11	G	L-X
MDO - 76358	G11118	EX	58	8	13.11	G	L-X-U
	G11255	IN/EX	42	5.99	10.06	B	C.I.
	G11256				10.11		
MDO - 50523	G3217	IN	71	8	13.11	G	L-X
MDO - 50527	G3218	EX	74	8	13.11	G	L-X-U

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ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0018	I
	PI 06-0019	I
MN980073	PI 06-0042	I
MN980072	PI 06-0045	I
MN980077	PI 06-0044	I
MN980076	PI 06-0043	I


NOTE
 remarks

MITSUBISHI

MITSUBISHI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1983	4	L300 2.3D Eng. 4D55	91.1	MD083661	IN	R4537/SNT	40	8	136.5	EE	45°
1982		L300 2.3 TD Eng. 4D55T 2347 cc.		MD083662	EX	R4538/RNT	34	8	136.5	EE	45°
1986		L300 2.5 Eng. 4D56									
1988/91		L200 2.5 TD Eng. 4D56T 2477 cc.									
1988/91		L300 2.5 TD Eng. 4D56T 2477 cc.									
1983	4	Pajero 2.3 D Eng. 4D55	91.1	MD083661	IN	R4537/SNT	40	8	136.5	EE	45°
1982		2347 cc.		MD083662	EX	R4538/RNT	34	8	136.5	EE	45°
1982	4	Pajero 2.3 TD Eng. 4D55T 2347 cc.	91.1	MD083661	IN	R4537/SNT	40	8	136.5	EE	45°
				MD083662	EX	R4538/RNT	34	8	136.5	EE	45°
1988/91	4	Space Gear Eng. 4D56T 2477 cc.	91.1	MD083661	IN	R4537/SNT	40	8	136.5	EE	45°
				MD083662	EX	R4538/RNT	34	8	136.5	EE	45°
1986	4	Pajero 2.5 D Eng. 4D56 2477 cc.	91.1	MD083661	IN	R4537/SNT	40	8	136.5	EE	45°
1988/91		Pajero 2.5 TD Eng. 4D56T 2477 cc.		MD083662	EX	R4538/RNT	34	8	136.5	EE	45°
1991	4	L200 2.5 TD L300 2.5 TD Eng. 4D56T	91.1	MD198404	IN	R6102/BMNT	40	8	130.2	EE	45°
1996		L200 2.5 TDI Eng. 4D56TI 2477 cc.		MD373236 MD198406 MD373237	EX	R6103/BMNT	34	8	130	EE	45°
1991	4	Pajero 2.5 TD Eng. 4D56T	91.1	MD198404	IN	R6102/BMNT	40	8	130.2	EE	45°
1989		Pajero 2.5 TDI Eng. 4D56TI 2477 cc.		MD373236 MD198406 MD373237	EX	R6103/BMNT	34	8	130	EE	45°
7/2001 NEW	4	Pajero 2.5 TD Eng. 4D56T 2477 cc.	91.1	22211-42860	IN	R6795/SNT	40	8	132	S	45°
				22212-42860	EX	R6796/RNT	34	8	132	S	45°
2005 NEW	4	L 200 2.5 Di-D Eng. 4D56 2477 cc.	91.1	MN176597	IN	R6700/RNT	31.5	6	107.6	S	45°
				MN176598	EX	R6701/RCR	27.60	6	108	S	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	Pajero 2.8 D Eng. 4M40	95	ME200050	IN	R4982/RNT	41	8	108.7	EE	45°
1994		Pajero 2.8 TD Intercooler Eng. 4M40T 2835 cc.		ME200051	EX	R4983/RNT	35	8	108.5	EE	45°
1996	4	Canter 2.8 D Eng. 4M40	95	ME200050	IN	R4982/RNT	41	8	108.7	EE	45°
1999		Canter 2.8 TD Intercooler Eng. 4M40T 2835 cc.		ME200051	EX	R4983/RNT	35	8	108.5	EE	45°

M.W.M.

1952/63	1	Eng. KD 12E 880 cc.	95	632134600014 632134600024	IN	R1036/SCR	41	10	129	H	45°						
	2	Eng. KD 12Z 1700 cc.			EX	R1037/SCR						37	10	129	H	45°	
	3	Eng. KD 12D 2550 cc.															
	4	Eng. KD 12V 3400 cc.															
		Spessore testa maggiorato 1 mm			IN	R4211/SCR	41	10	129	H	45°						
		Spessore testa maggiorato 2 mm			EX	R4212/SCR	37	10	129	H	45°						
					IN	R4302/SCR	41	10	129	H	45°						
					EX	R4339/SCR	37	10	129	H	45°						
1965	2	Eng. D 208Z - D308Z 1490 cc.	95	630804600014 620704603014	IN	R4300/SCR	38	9	117	I	45°						
1967		Eng. D 225 - D 325 1700 cc.			EX	R4341/SCR						35	9	117	I	45°	
1965	3	Eng. D 208D - D308D 2235 cc.															
1967	3	Eng. D 225 - D 325 2550 cc.															
1965	4	Eng. D 208V - D308V 3080 cc.															
1967	4	Eng. D 225 - D 325 3400 cc.															
1965	6	Eng. D 208S - D308S 4470 cc.															
1967	6	Eng. D 225 - D 325 5100 cc.															
		Spessore testa maggiorato 1 mm			IN	R4349/SCR	38	9	117	I	45°						
					EX	R4350/SCR	35	9	117	I	45°						

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.											
							D	d	L									
1954/65	1	Eng. AKD 12/112E 910 cc.	98	632134600014	IN	R1036/SCR	41	10	129	H	45°							
					EX	R1037/SCR	37	10	129	H	45°							
	2	Eng. AKD 12/112Z 1810 cc.		632134600024														
													3	Eng. 322 Z 1802 cc.				
	4	Eng. AKD 12/112D 2720 cc.																
												Eng. 322 D 2703 cc.						
		Eng. AKD 12/112V 3620 cc.																
												Spessore testa maggiorato 1 mm						
	Spessore testa maggiorato 2 mm																	
												IN	R4211/SCR	41	10	129	H	45°
			EX	R4212/SCR	37	10	129	H	45°									
			IN	R4302/SCR	41	10	129	H	45°									
			EX	R4339/SCR	37	10	129	H	45°									
1970/77	2/6	Eng. D 327 1880/5650 cc.	100	622604600054 630804600024	IN	R4305/SCR	41	9	117	I	45°							
	4/6	Eng. D 227 3770/5654 cc.			EX	R4310/RCR	38	9	117	I	45°							
1969/77	2	Eng. D 226 Z 2080 cc.	105															
												3	Eng. D 226 D 3120 cc.					
	4	Eng. D 226 V 4160 cc.																
												6	Eng. D 226 S 6240 cc.					
1971/77	4	Eng. TD226/4 Turbo 4160 cc.	105	622804603014 622604603024	IN	R4725/SCR	42	9	117	I	30°							
	6	Eng. TD226/6Turbo 6240 cc.			EX	R4310/RCR	38	9	117	I	45°							
1982	V6	Eng. TBD 234 Turbo	128	623404600064 623404600054	IN	R4768/BMCR	58	10	163	E	30°							
	V8	10800 - 21600 cc.			EX	R4769/BMCR	53	10	163	E	45°							
		Eng. D402		698604600014	IN	R4328/SCR	31	9	90	I	45°							
				698604600024	EX	R4329/SCR	29	9	90	I	45°							
		Eng. LKS		698704600014	IN	R4330/SCR	36	9	111	I	45°							
				698704600024	EX	R4331/SCR	31	9	111	I	45°							

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
630503320034	G3527	IN/EX	58	9	15.05	G	F
	G11382	IN/EX	62.8	9	15.03	G	L
630503320034	G3527	IN/EX	58	9	15.05	G	F

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks

M.W.M.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
NISSAN											
1986/91	4	March Micra Eng. M10 997 cc. March Micra Eng. M12 1235 cc.	68 71	13201-01B00 13201-10B00 13202-01B00 13202-10B00	IN EX	R4440/SCR R4441/RCR	35.1 30.1	7 7	109.7 109.7	M M	45° 45°
2003	4	Kubistar 1.2 Eng. D7F726 1149 cc.	69	13201-00QAG 13202-00QAH	IN EX	R4933/S R4934/R	32.8 29.9	6 6	106.8 106.8	E E	30° 45°
2003	4	Kubistar 1.2 i 16V Eng. D4F712 1149 cc.	69	13201-00QAJ 13202-00QAK	IN EX	R6177/S R6178/BM	26 22	5.5 5.5	110.7 112.5	I I	45° 45°
1992/03 1992/00	4	Micra 1.0 i 16V Eng. CG10DE 998 cc Micra 1.3 16V Eng. CG13DE 1275 c.	71	13201-99B10 13202-99B10	IN EX	R4651/RNT R4652/RNT	27.5 22.5	5.5 5.5	96 96	E E	45° 45°
2003 2003	4	Micra 1.0 i 16V Micra 1.2 i 16V Eng. CR10DE 998 cc.	71	13201-1F700 13202-1F700	IN EX	R6430/SNT R6431/RNT	27.4 22.5	5.5 5.5	97.8 97.9	S S	45° 45°
2000/03	4	Micra 1.4 i 16V Eng. CGA3DE 1348 cc.	72	13201-99B10 13202-99B10	IN EX	R4651/RNT R4652/RNT	27.5 22.5	5.5 5.5	96 96	E E	45° 45°
2003	4	Micra 1.4 i 16V Eng. CR14DE 1386 cc.	72	13201-1F700 13202-F700	IN EX	R6430/SNT R6431/RNT	27.4 22.5	5.5 5.5	97.8 97.9	S S	45° 45°
2011 NEW	3	Pixo 1.0 Eng. K10B 996 cc.	73	13201-4A00A 13202-4A00D	IN EX	R6611/SNT R6612/RNT	27.47 22.88	5.5 5.5	87.46 87.06	S S	45° 45°
1966 1970	4 4	Cherry - Sunny 1000 Eng. A10 988 cc. Cherry 1200 Pulsar 1200 Sunny 1200 Eng. A12 1171 cc.	73	13201-H2300 13201-18000 13201-H1000 13202-18000 13202-H1000 13202-H7400	IN EX	R3835/S R3836/RCR	35 29	8 8	103.6 103.8	M M	45° 45°
2005 2006	4	Micra 1.4 16V Note 1.4 16V Eng. CR14DE 1386 cc.	73	13201-BC000 13202-BC000	IN EX	R6538/SNT R6539/RNT	27.50 22.50	5.50 5.50	97.9 97.9	S S	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993/94	4	Sunny 1.4HB Sunny 1.6HB Primera 1.6SD Eng. GA14 - GA16 1392 - 1597 cc.	73.6 76	13201-57Y00 13202-57Y00	IN EX	R4653/RCR R4654/RCR	30	5.5	92.2	E	45°
							24	5.5	92.6	E	45°
1990/95 1995	4 4	Sunny 1.4 i 16V Almera 1.4 i 16V Eng. GA14DE 1392 cc.	73.6	13201-4M500 13202-2F000	IN EX	R6275/SNT R6276/RNT	29	5.5	92.2	E	45°
							24	5.5	92.6	E	45°
2000	4	Almera 1.5 16V Eng. QG15DE 1497 cc.	73.6	13201-BM500 13202-57Y60	IN EX	R6279/SNT R4654/RCR	29.1	5.5	92.3	E	45°
							24	5.5	92.6	E	45°
2002	4	Almera 1.5 16V Eng. QG15DE 1497 cc.	73.6	13201-BM505 13202-BM500	IN EX	R6530/SNT R6531/RNT	30	5.50	94.30	S	45°
							25	5.50	94.70	S	45°
1981 1981	4 4	Pulsar 1300 Sunny 1300 Eng. E13 1270 cc. Pulsar 1500 Sunny 1500 Prairie 1500 Eng. E15 1487 cc.	76	13201-01M00 13202-01M00	IN EX	R4403/SNT R4404/RNT	37	7	118.7	M	45°
							30	7	118.1	M	45°
1980/83	4	Cherry 1500 Datsun 1500 Pulsar 1500 Sunny 1500 Eng. A15 1487 cc.	76	13201-H9500 13202-H9500	IN EX	R4428/SCR R4429/RCR	35	8	99.8	M	45°
							30	8	99.8	M	45°
1991 1992 1993 1995 1996	4 4 4 4 4	Sunny 1.6 i 16V 100 NX 1.6 i 16V Primera 1.6 i 16V Almera 1.6 i 16V Serena 1.6 i 16V Eng. GA16DE 1597 cc.	76	13201-2F000 13202-2F000	IN EX	R4653/RCR R4654/RCR	30	5.5	92.2	E	45°
							24	5.5	92.6	E	45°
1995	4	Vanette 1.6 i 16V Eng. GA16DE 1597 cc.	76	13201-2F000 13202-2F000	IN EX	R4653/RCR R4654/RCR	30	5.5	92.2	E	45°
							24	5.5	92.6	E	45°
2010	3	Micra 1.2i 16V Eng. HR12DE 1198 cc.	78	13201-ED00A 13201-ED00C 13201-ED000 13202-ED00C 13202-ED000 13202-ED00A	IN EX	R6540/SNT R6541/RNT	31.10	5	101.77	S	45°
							25.40	5	102.5	S	45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1970	4	Cabstar 1500 Caravan 1500 Fork 1500 Homer 1500 Eng. J15 1483 cc.	78	13201-01W01 13202-01W03	IN EX	R4890/S R4891/RNT	38 32	8.7 8.7	109.5 109.5	M M	45° 45°
1972		Caravan 1600 Homer 1600 Eng. J16 1567 cc.									
2002 2005 2006 2006 2011 NEW	4	Micra 1.6 16V Tiida 1.6 16V Note 1.6 16V Qashqai 1.6 16V Juke 1.6 16V Eng. HR16DE 1598 cc.	78	13201-ED00A 13201-ED00C 13201-ED000 13201-1KT04 13202-ED00C 13202-ED000 13202-ED00A	IN EX	R6540/SNT R6773/SNT R6541/RNT	31.10 31.70 25.40	5 5 5	101.77 101.77 102.5	S S S	45° 45° 45°
2002 08/2003	4	Platina 1.6 16V Kubistar 1.6 16V Eng. K4M 1598 cc.	79.5		IN EX	R6029/S R6030/R	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°
2000/04 2001	4	Almera/Tino 1.8 i 16V Primera 1.8 i 16V Eng. QG18DE 1769 cc.	80	13201-2F000 13202-9F600	IN EX	R4653/RCR R6277/RNT	30 25	5.5 5.5	92.2 92.6	E E	45° 45°
2004	4	Almera 1.8 i 16V Tino 1.8 i 16V Eng. QG18DE 1769 cc.	80	13201-AU300 13202-AU300	IN EX	R6593/SNT R6594/RNT	30 25	5.5 5.5	94.30 94.70	E E	45° 45°
2002	4	Primastar 2.0 16V Eng. F4R 720 1998 cc.	82.7	13201-00QAE 13202-00QAE	IN EX EX	R6138/S R6192/BM R6139/R	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1983	4	Silvia 1800 Bluebird 1800 Eng. CA18T 1809 cc.	83	13201-17F01 13202-22F00	IN EX	R4744/SNT R4745/RNT	41 35	7 7	105.7 106.8	M M	45° 45°
1989/91	4	Bleubird 1800i Sunny GTI Eng. CA18DE 16V 1809 cc.	83	13201-51E10 13202-44F00	IN EX	R6006/SNT R6007/RARNT	34.1 28	6 6	89 89.4	S S	45° 45°
2006 2008 2007	4	Qashqai 2.0 i16V X-Trail 2.0 i 16V Sentra 2.0 i 16V Eng. MR20DE 1997 cc.	84	13201-EN20A 13202-EN200	IN EX	R6603/SNT R6604/RNT	33.9 27.7	5.5 5.5	106.3 105.2	S S	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	4	Cherry 2000 Gazzelle 2000 Homy 2000 Laurel 2000 Sunny 2000 Eng. Z20 1952 cc	85	13201-N8501 13202-N8500	IN EX	R4588/SNT R4589/RNT	42	8	124.4	E	45°
							38	8	125.4	E	45°
1960	6	Cabstar Bus Patrol 4x4 Eng. P40 3956 cc.	85.7	13201-58000 13202-C8000 13202-58002	IN EX	R4590/SCR R4591/RCR	43	8.7	131.5	M	45°
							36.2	8.7	131.5	M	45°
1990	4	Primera 2.0 i 16V Sunny 2.0 i 16V Eng. SR20DI-SR20DE 1998 cc.	86	13201-70J00 13202-70J10	IN EX	R4655/SCR R4656/RCR	34	6	101.5	E	45°
							30	6	102.5	E	45°
1996 1995/96	4	Almera 2.0 i 16V Primera 2.0 i 16V Eng. SR20DE 1998 cc.	86	13201-89J00 13202-89J00	IN EX	R6106/SNT R6107/RNT	34	6	101.5	E	45°
							30	6	102.4	E	45°
1996/98	4	Almera 2.0 GTI 16V Eng. SR20DEP11 1998 cc.	86	13201-2J201 13202-2J201	IN EX	R6108/SNT R6109/RNT	34	6	98.4	E	45°
							30	6	99.3	E	45°
2001	4	Primera 2.0 i 16V X-Trail 2.0 i 16V Eng. QR20DE 1998 cc.	89	13201-2F200 13202-2F210	IN EX	R6281/SNT R6278/RARNT	34.1	6	98.4	E	45°
							30	6	99.3	E	45°
1966 1966	4 6	Cabstar 2000 Cedric 2000 Civilian 2000 Clipper 2000 Echo 2000 Gloria 2000 Eng. H20 1982 cc. Fork President 3000 Eng. H30 2974 cc.	87.2	13201-F1800 13202-P5100	IN EX	R3845/S R3848/RCR	42	8.7	110.2	M	45°
							32	8.7	110.8	M	45°
1986	4	Terrano 4X4 Urvan 720 Pathfinder Eng. Z24 2400 cc.	89	13201-N8501 13202-N8500	IN EX	R4588/SNT R4589/RNT	42	8	124.4	E	45°
							38	8	125.4	E	45°

VALVOLE ENGINE VALVES





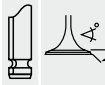
ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2002 2001 2006	4	Primera 2.0 i 16V X-Trail 2.0 i 16V Teana 2.0 i 16V Eng. QR20DE 1998 cc.	89	13201-2F200 13202-2F210	IN EX	R6281/SNT R6278/RARNT	34.1 30	6 6	98.4 99.3	E E	45° 45°
	4	Datsun Truck Cabstar 1500 Caravan Homer 1500		13201-73000 13201-B5100 13202-B3000 13202-B16700	IN EX	R3843/S R3844/RCR	38 32	8.7 8.7	109 109	D D	45° 45°

NISSAN DIESEL

2003 2002 2006 2006 2007	4	Micra 1.5 Dci Tekna Almera 1.5 Dci Note 1.5 Dci Qashqai 1.5 Dci Tiida 1.5 Dci Eng. K9K 1461 cc.	76	13201-BN700 13201-00QAN 13201-00QAK 13201-1980R 13202-BN700 13202-00QAP	IN EX	R6185/S R6186/BM	33.5 29	6 6	100.95 100.75	I I	45° 45°
2003	4	Kubistar 1.5 Dci Eng. K9K.A7/B7 1461 cc.	76	13201-BN700 13202-BN700	IN EX	R6185/S R6186/BM	33.5 29	6 6	100.95 100.75	I I	45° 45°
1997	4	Micra 1.5D Eng. TUD5 1527 cc.	77	13201-6F900 13202-6F900	IN EX	R4821/S R4822/RCR	37 31.5	7 7	108.4 108.2	E E	45° 45°
2011 NEW	4	Qashqai +2 1.6 Dci Eng. R9M 1598 cc.	79.5	13201-0370R 13202-4894R	IN EX	R6797/S R6798/BM	23.45 23.41	6 6	104.20 104.07	I I	45° 45°
1983	4	Sunny 1700 Pulsar 1700 Langley 1700 Eng. CD17 1680 cc.	80	13201-16A00 13202-16A00	IN EX	R4485/SNT R4486/RNT	36 31	7 7	100.9 100.9	M M	45° 45°
2002 2002 2003	4	Primastar 1.9 Dci Interstar 1.9 Dci Primera 1.9 Dci Eng. F9Q 1870 cc.	80	13201-AW300 13202-AW300	IN EX	R4973/S R4974/R	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
1963	4	Cedric 2200 Clipper 2200 Homy 2200 Junior 2200 Eng. SD22 3246 cc.	83	13201-Y5200 13202-Y5200	IN EX	R3853/S R3854/RCR	38 32	8 8	117 117	E E	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	4	Atlas Homy 2300 720 Truck E23/F22 Eng. SD23 2289 cc.	83	13201-L2000 13202-L2000	IN EX	R4401/SNT R4402/RNT	40	8	117	E	45°
							34	8	117	E	45°
2007	4	Qashqai 2.0 DCI X-Trail 2.0 DCI Primastar 2.0 DCI Eng. M9R-M1D 1995 cc.	84	13201-00Q0A 13202-00Q0A	IN EX	R6574/S R6575/BM	27.7	6	103.9	I	45°
							26	6	103.8	I	45°
1994/99 1998/01 1998/01 1995	4	Serena 2.3 D Cabstar E 75.28 2.3 E Trade 2.3 D Vanette 2.3 D Eng. LD 23 2283 cc.	84.5	13201 - 9C600 13202 - 9C601	IN EX	R6066/RCR R6067/RCR	41.5	8	118	M	45°
							33	8	117.6	M	45°
1996	4	Almera 2.0 TD Primera 2.0 TD Eng. CD20T 1974 cc.	84.5	13201-60J04 13202-60J02	IN EX	R6175/SNT R6176/RNT	39	7	99.7	M	45°
							32	7	99.6	M	45°
1988/89	6	Patrol td Eng. RD28 T -Turbo 2826 cc.	85	13201-22J00/01 13201-22301 13202-V7202 13202-V7203	IN EX	R6510/RARNT R6511/RARNT	39	7	102.8	M	45°
							32	7	102.6	M	45°
1986/97 1997/00	6 6	Patrol Td Eng. RD28T Patrol 2.8 TD Intercooler Eng. RD28TI 2826 cc.	85	13201-22J11 13202-40L00	IN EX	R4746/RARNT R4747/RARNT	39	7	101.8	M	45°
							32	7	101.6	M	45°
2001	4	X-Trail 2.2 Dci 16V Eng. YD22DDT/DDTI/ETI 2184 cc.	86	13201-AD210 13202-AD200	IN EX	R6284/SNT R6285/RNT	28	6	106.70	S	45°
							26	6	106.30	S	45°
2000	4	Almera/Tini 2.2 Dci 16V Primera 2.2 Dci Eng. YD22DDT/DDTI/ETI 2184 cc.	86	13201-AD210 13202-AD200	IN EX	R6284/SNT R6285/RNT	28	6	106.70	S	45°
							26	6	106.30	S	45°
2002	4	Interstar 2.2 Dci 16V Eng. G9T.700/710/720 2188 cc.	87	13201-00QAD 13202-00QAD	IN EX	R6237/S R6238/BM	30.7	6	123.1	I	45°
							29.5	6	122.9	I	45°
1983	4	Atlas F22 - H40 Eng. SD25 2488 cc.	89	13201-L2000 13202-L2000	IN EX	R4401/SNT R4402/RNT	40	8	117	E	45°
							34	8	117	E	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11523	IN/EX	42.4	6	11.06	B	C.I
13212-9C641	G11433 G11434	IN/EX	59	8	12.04 12.25	G	L-U
13212-D0110/111	G11136 G11137 G11138 G11139	IN	45	7	11.03 11.08 11.23	G	L-X
		EX	48	7	11.03	G	L-X
	G3430 G3431 G3432 G3433	IN	45	7	11.03 11.23	G	L-X
		EX	45	7	11.03	G	L-X-0
	G3430 G3431 G3432 G3433	IN	45	7	11.03 11.23	G	L-X
		EX	45	7	11.03	G	L-X-0
	G11350 G11351 G11348 G11349	IN	59.8	6	10.04 10.09	G	L-X
		EX	44.2	6	10.04 10.09	G	L-X
	G11350 G11351 G11348 G11349	IN	59.8	6	10.04 10.09	G	L-X
		EX	44.2	6	10.04 10.09	G	L-X
	G11356	IN/EX	50	6	11.05	B	C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
13234-00Q0A 13257-00Q0A	PI 06-0019 RA06-940	I
13231-40L05	PI 06-0027	I
13231-40L05 13231-V7215	PI 06-0027 PI 06-0028	I I
	PI 06-0038 RA06-930	I


NOTE
 remarks

NISSAN DIESEL

 *PI 06-0027
 Eng. with EGR valve

 *PI 06-0027
 Eng. with EGR valve

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2003	4	Interstar 2.5 Dci 16V Primastar 2.5 Dci 16V Eng. G9U.A7 2463 cc.	89	13201-00QAD 13202-00QAD	IN EX	R6237/S R6238/BM	30.7 29.5	6 6	123.1 122.9	I I	45° 45°
2006	4	Pathfinder 2.5 Dci Eng. YD25DDTi 2488 cc.	89	13201-BN300 13201-AD210 13201-EB300 13202-BN300 13202-AD200 13202-EB300	IN EX	R6284/SNT R6285/RNT	28 26	6 6	106.70 106.30	S S	45° 45°
2011 NEW	4	Murano 2.5 Dci Eng. YD25 2488 cc.	89	13201-1AT0A 13202-1AT0A	IN EX	R6739/RNT R6740/RNT	28.5 25.86	6 6	106 105.5	S S	45° 45°
1988/91	4	Urvan Cabstar Eng. TD25 2493 cc.	92.9	13201-44G00 13202-44G00	IN EX	R4811/RCR R4812/RCR	41.5 37	8 8	117 117	M M	45° 45°
1987/98 1993	4	Pick-up 2.7 D 4WD Terrano II 2.7 D Eng. TD27	96	13201-G2403 13201-43G01 13201-69T60	IN	R4923/SNT	43.5	8	117	M	45°
1989/96 1993/02 1988	4	Terrano I 2.7 TD Terrano II 2.7 TD Pathfinder 2.7 TD Eng. TD27T 2663 cc.	96	13202-G2403 13202-31N01 13202-51N00 13202-7F400 13202-69T00 13202-43G01	EX	R4924/RNT	38	8	117	M	45°
1994/98 1996/98	4	Trade 3.0 D Eng. BD30 Trade 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403 13202-G2403	IN EX	R4923/SNT R4924/RNT	43.5 38	8 8	117 117	M M	45° 45°
1997	6	Patrol 4.2 TD Intercooler Eng. TD42T 4169 cc.	96	13201-G2403 13202-G2403	IN EX	R4923/SNT R4924/RNT	43.5 38	8 8	117 117	M M	45° 45°
2000	4	Alteon 110.35/56 3.0 TDI Alteon 120.35/56 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403 13202-G2403	IN EX	R4923/SNT R4924/RNT	43.5 38	8 8	117 117	M M	45° 45°
1998 1998 1998	4	Cabstar E 90.32 2.7 TD Eng. TD27T Cabstar E 110.35/45 3.0 TDI Cabstar E 120.35/45 3.0 TDI Eng. BD30TI 2953 cc.	96	13201-G2403 13202-G2403	IN EX	R4923/SNT R4924/RNT	43.5 38	8 8	117 117	M M	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2002	4	Patrol 3.0DTI 16V Eng. ZD30DDTI Terrano 3.0 DTI 16V Eng. ZD30TI 2953 cc.	96	13201-2W201 13202-2W200	IN EX	R6282/SCR R6283/RCR	32	7	113.4	E	45°
							30	7	113.4	E	45°
2000	4	Alteon 140.75 4.0 TD Eng. B4.40TI 2283 cc.	100	13201-9X700 13202-9X700	IN EX	R4766/SCR R4767/RCR	44.9	9.5	123.1	I	30°
	38.9	9.5					123.4	I	45°		
	6	Alteon 166.75 6.0 td Eng. B6.60 ti 5985 cc									
1993	4	T135 4.0 D 3989 cc.	100	13201-9X700 13202-9X700	IN EX	R4766/SCR R4767/RCR	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1993	4	L35.095 4.0 D	100	13201-9X700 13202-9X700	IN	R4766/SCR R4767/RCR	44.9	9.5	123.1	I	30°
1990		L50/60/70.09 4.0 D			EX		38.9	9.5	123.4	I	45°
1993		L70/75.14 4.0 TD									
1990		L80.09 4.0 D									
2004		Alteon 70.14 - 75.14 Eng. B4.40/A/TI 3989 cc.									
1990/93	6	L80/110.14 6.0 D 5985 cc									
1993	6	M90/110.150 6.0 TD	100	13201-9X700 13202-9X700	IN	R4766/SCR R4767/RCR	44.9	9.5	123.1	I	30°
1990/93		M110/125.14 6.0 D			EX		38.9	9.5	123.4	I	45°
1993		M130/140.1560 6.0 TD									
1993		M160.200 6.0 TD									
2004		Alteon 166 6.0 td Eng. B6.60/A/TI 5985 cc.									

NISSAN M. IBERICA (EBRO)

1985	4	Vanette Eng. LD20	85	13201Y9701 13202Y9701	IN	R4287/SCR R4288/RCR	39	8	117	D	45°
					EX		32	8	117.5	D	45°
1989	4	Vanette Eng. LD20 II		13201D9702 13202D9702	IN	R4356/SCR R4357/RCR	39.5	8	118	M	45°
					EX		32.2	8	118	M	45°
1985	4	Patrol Trade L 35 Eng. A428 - A428A 2820 cc.	94	71300017 71300018	IN	R4285/RCR R4286/RCR	43	8	115	EE	30°
					EX		37	8	114.5	EE	45°
	4	Nissan Trade			IN EX	R4542/BMARCR R4543/BMCR	42.5 37	8 8	114.5 114.5	I I	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1988/92	4	Corsa 1.0 S Eng. 10S 993 cc.	72	642675 642837	IN EX	R4657/S R4658/R	32 27	7 7	98.9 99.4	E E	45° 45°
1974/79 1982/88	4	Kadett 1.0 Corsa 1.0 Eng. 10S Eng. 993 cc.	72	642188 642814	IN EX	R3233/N R3234/R	32 27	7 7	99.5 101.5	M M	45° 45°
1993 1994	4	Corsa 1.2 Combo 1.2 i Eng. 12NZ-C12NZ-X12SZ 1195 cc.	72	641002 90323519 641302 90323524	IN EX	R4464/SCR R4465/R	33 29	7 7	104.6 104.5	E E	45° 45°
1997 2000	3 3	Corsa 1.0 i 12V Agila 1.0 i 12V Eng. X10XE-Z10XE 973 cc.	72.5	641051 641045 9158477 641052	IN	R4878/SCR	28	5	93.8	I	45°
1997 2001 2004	4 4 4	Corsa 1.2 i 16V Astra 1.2 i 16V Agila 1.2 i 16V Corsa 1.2 i 16V Eng. X12XE-Z12XE Eng. Z12XEP 1199 cc.		90529527 641364 641354 641365 90529529	EX	R4879/R	25	5	93.8	I	45°
2010 2012 2013	4	Meriva 1.4 Turbo 16V Astra J 1.4 Turbo 16V Cascada 1.4 16V Eng. A14NEL-A14NET 1364 cc.	72.5	641094 641095	IN EX	R4878/SCR R4879/R	28 25	5 5	93.8 93.8	I I	45° 45°
2007 2007	3 4	Agila 1.0 12V Eng. K10B 996 cc. Agila 1.2 16V Eng. K12B 1242 cc.	73	4708925 9319374 4708933 93193762	IN EX	R6611/SNT R6612/RNT	27.47 22.88	5.5 5.5	87.46 87.06	S S	45° 45°
2010 NEW	4	Agila 1.2 16V Eng. K12B WT 1242 cc.	73	12911-69L00-000 12915-69L00-000 12915-69LG0-000	IN EX	R6722/SNT R6723/RNT	27.50 22.90	5 5	87.50 87.10	S S	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
9158569	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
	GS13598	IN/EX	39	5	10.05	SM	C.I.
9158569	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
	GS13598	IN/EX	39	5	10.05	SM	C.I.
4709231	G11508 GS11508	IN/EX IN/EX	34 34	5.50 5.50	10.57 10.57	G SM	C.I.-X C.I.-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640059 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
90529534 640025 640068	PI 06-0008 RA06-910	I
90529534 640025 640068	PI 06-0008 RA06-910	I

 NOTE
remarks





RA06-910
R DIA 18 MM

RA06-910
R DIA 18 MM

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003 2004 2004	4	Meriva 1.4 i 16V Astra 1.4 i 16V Tigra 1.4 i 16V Eng. Z14XEP-Z14XEL 1364 cc.	73.4	641051 641045 9158477 641052 90529527 641364 641354 641365 90529529	IN EX	R4878/SCR R4879/RCR	28 25	5 5	93.8 93.8	I I	45° 45°
2011 2012	4	Astra 1.4 16V Adam 1.4 16V Eng. A14XER 1398 cc.	73.40	90529527 90529529	IN EX	R4878/SCR R4879/RCR	28 25	5 5	93.8 93.8	I I	45° 45°
1982/88 1979/88 1982/93 1986/89	4	Kadett 1.2 Eng. 12NV/S/ST 1196 cc. Ascona 1.3 Corsa 1.3 Eng. 13S/SB-C13N Combo 1.3 Eng. 13N/S 1297 cc.	75	642763 642890	IN EX	R3692/SCR R3695/RCR	33 29	7 7	104.5 104.5	E E	45° 45°
1991/98 1989/93 1990/96 1990/91 1990/91 1988/92 1989/91 1990	4	Astra 1.4 Corsa 1.4 Corsa 1.4 i Kadett 1.4 Kadett 1.4 i Vectra 1.4 Combo 1.4 Combo 1.4 i Eng. C14NZ-14NV 1389 cc.	77.6	641002 641302	IN EX	R4464/SCR R4465/RCR	33 29	7 7	104.6 104.5	E E	45° 45°
1992/98 1994	4	Astra 1.4 Corsa 1.4 i Combo 1.4 i Eng. C14SE 1389 cc.	77.6	641015 641317	IN EX	R4636/SCR R4637/RCR	38 31	7 7	104.6 104.6	E E	45° 45°
1993 1996 1994 2003 2003	4 4 4	Corsa 1.4 i 16V Astra 1.4 i 16V Tigra 1.4 i 16V Eng. X14XE-Z14XE 1389 cc. Meriva 1.4 i 16V Nuova Astra 1.4 i 16V Eng. Z14XE 1364 cc.	77.6	641034 641340	IN EX	R4726/SCR R4727/RCR	31 27.5	6 6	103.1 102.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9158569	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
	GS13598	IN/EX	39	5	10.05	SM	C.I.
	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
	GS13598	IN/EX	39	5	10.05	SM	C.I.
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G3511 G11150 G11151 GS3511	IN	45	6	10.05 10.10 10.15	G	C.I.
	G3530 G11153 G11154	EX	35	6	10.05 10.10 10.15	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640013 640025 640068	PI 06-0008 RA06-910	I
	PI 06-0008 RA06-910	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640003	PI 06-0010	I






NOTE
remarks

RA06-910
R DIA 18 MM

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993 1994	4	Corsa 1.6 i 16V Tigra 1.6 i 16V Eng. C16XE-X16XE	77.6	641034 641340	IN EX	R4726/SCR R4727/RCR	31 27.5	6 6	103.1 102.2	I I	45° 45°
1995 1999		Vectra 1.6 i 16V Zafira 1.6 i 16V Eng. X16XEL-Z16XE									
1998 2003	4	Astra 1.6 i 16V Meriva 1.6 i 16V Eng. Z16XE									
2003		Astra 1.6 i 16V Eng. X16XE 1598 cc.									
1982/91 1982/92	4	Corsa 1.2 Eng. 12NV Corsa 1.2 Eng. 12S-12ST 1196 cc.	77.8	642763 642890	IN EX	R3692/SCR R3695/RCR	33 29	7 7	104.5 104.5	E E	45° 45°
1973	4	Ascona L Kadett C - L	79	642188 642814	IN EX	R3233/N R3234/R	32 27	7 7	99.5 101.5	M M	45° 45°
1979	4	Kadett D - L 1196 cc.	79	642188 642898	IN EX	R3233/N R4057/R	32 29	7 7	99.5 101.1	M M	45° 45°
1980/84 1982 1985	4	Kadett 1.2D Corsa 1.2 Kadett 1.2E Eng. 12N - 12S 1196 cc.	79	642675 642924	IN EX	R4657/S R4659/RCR	32 29	7 7	98.9 99.4	E E	45° 45°
1991/98 1988 1985/93 1988/95	4	Astra 1.6 Corsa 1.6 Kadett 1.6 Vectra 1.6 i Eng. 16SV-C16LZ/NZ/SE Eng. 16NZ	79	642679 642854 642911	IN EX	R4383/SCR R4384/RCR	38 31	7 7	101 101	E E	45° 45°
1995		Vectra 1.6 i Eng. X16SZR 1598 cc.									
2003/04	4	Astra 1.6 i 16V Eng. Z16YNG 1598 cc.	79	641034 641340	IN EX	R4726/SCR R4727/RCR	31 27.5	6 6	103.1 102.2	I I	45° 45°
2004 2005 2006	4	Astra 1.6 i 16V Zafira 1.6 i 16V Vectra 1.6 i 16V Eng. Z16XEP - XE1 - XER 1598 cc.	79	642011 641379 641401	IN EX	R6366/SCR R6367/BMCR	31.2 27.5	5 5	117.2 116.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3511 G11150 G11151 GS3511	IN	45	6	10.05 10.10 10.15	G	C.I.
	G3530 G11153 G11154	EX	35	6	10.05 10.10 10.15	G	C.I.
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G3511 G11150 G11151	IN	45	6	10.05 10.10 10.15	G	C.I.
71739771	G13598 G11156	IN/EX	39	5	10.05 10.10	G	C.I.
642014	GS13598	IN/EX	39	5	10.05	SM	C.I.
	G11479 G11480	IN/EX	37	5	10.03 10.06	G	C.I.
	GS11479	IN/EX	37	5	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	PI 06-0010	I
640051	PI 06-0009	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640003	PI 06-0010	I







NOTE
remarks

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007 2008 2008 2012 2012	4	Corsa 1.6 16V Turbo Insigna 1.6 16V Zaffira 1.6 16V Astra 1.6 16V Mokka 1.6 16V Eng. Z16LER- A16XER 1598 cc.	79	641076 641391 641392	IN EX	R6504/SCR R6525/BMCR	31 27.5	5 5	114 113.2	I I	45° 45°
2008 2001	4	Insigna 1.6 Turbo 16V Astra GTC Eng. Z16LET-A16LET 1598 cc.	79	642078 55557862 641379 641401 55558728	IN EX	R6366/SCR R6367/BMCR	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2009	4	Insigna 1.6 i 16V Eng. Z16XER-Z16XEP Eng. A16XER-A16LET GPL ENGINE 1598 cc.	79	55572519 641100 55572518 642029	IN EX	R6634/SARNT R6635/BMARNT	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2009 NEW	4	Zafira 1.6 i 16V Eng. Z16XNT-A16XNT 1598 cc.	79	641460 55567302 641459 55567301	IN EX	R6720/SNT R6721/BMARNT	31.2 27	5 5	99.90 99.25	I I	45° 30°
1981 1985	4	Ascona L Kadett L Kadett 1.6 S Eng. 16S 1598 cc. O/S Stem dia mm. 0.075	80	642635 642789 642636 642790	IN EX IN EX	R4236/SCR R4239/RCR R4237/SCR R4240/RCR	35 32 35 32	8 8 8.075 8.075	106.1 106.1 106.1 106.1	E E E E	45° 45° 45° 45°
2000 1996 2003 2004	4	Astra 1.8 i 16V Corsa 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V ENG. Z18XE - XEL 1796 cc. Astra 1.8 16V Vectra 1.8 i 16V Zafira 1.8 i 16V Eng. X18XE1 Meriva 1.8i 16V Nuova Astra 1.8i 16V Signum 1.8 i 16V Tigra 1.8 i 16V Eng. X18XE1-Z18XE 1796 cc.	80.5	641048 641357	IN EX	R6051/SCR R6052/BMARCR	31.2 27.5	5 5	101.3 100.7	I I	45° 45°
2005 2008	4	Zafira B 1.8 i 16V Insigna 1.8 i 16V Eng. Z18 XEP/XER 1796 cc.	80.5	641076 641391 641392	IN EX	R6504/SCR R6525/BMCR	31 27.5	5 5	114 113.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
642014	G11479	IN/EX	37	5	10.05	G	C.I.
	G11480				10.06		
	GS11479	IN/EX	37	5	10.03	SM	C.I.
642014	G11479	IN/EX	37	5	10.05	G	C.I.
	G11480				10.06		
	GS11479	IN/EX	37	5	10.03	SM	C.I.
642014	GS11479	IN/EX	37	5	10.03	SM	C.I.
	G11479	IN/EX	37	5	10.03	G	C.I..
	G11480				10.06		
	GS11479	IN/EX	37	5	10.03	SM	C.I..
	G3232	IN/EX	43	8	12.04	G	L
9158569	G13598	IN/EX	39	5	10.05	G	C.I.
	G11156				10.10		
	GS13598	IN/EX	39	5	10.05	SM	C.I.
642014	G11479	IN/EX	37	5	10.05	G	C.I.
	G11480				10.06		
	GS11479	IN/EX	37	5	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640003 640020	PI 06-0010	I







NOTE
remarks

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1994/98 1996 1999	4	Astra 1.8 i 16V Eng. C18XE-C18XEL Astra 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V Eng. X18XE 1799 cc.	81.6	641022 641325	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
1993 2000	V6 V6	Calibra 2.5 i V6 24V Vectra 2.5 i V6 24V Omega 2.5 i V6 24V Eng. C25XE-X25XE 2498 cc. Omega 2.6 i V6 24V Vectra 2.6 i V6 24V Eng. Y26SE 2597 cc.	81.6	641022 641325	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
2001	4	Vivaro 2.0 i 16V Eng. F4R.L7 F4R.820 1998 cc.	82.7	93160645 93160646	IN EX EX	R6138/S R6192/BM R6139/R	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1982 1985	4	Ascona 1.8 E Kadett GSi 1.8i Kadett 1.8 E Eng. 18E 1796 cc.	84.8	642647 642793	IN EX	R4377/SCR R4380/RCR	41 35	7.98 7.96	106 106	E E	45° 45°
1982	4	Ascona 1.8 N Rekord 1.8 N Ascona 1.8 S Rekord 1.8 S 1795 cc. O/S Stem dia mm. 0.075	84.8	642643 642805 642644 642806	IN EX IN EX	R4430/SCR R4433/RCR R4431/SCR R4434/RCR	38 34 38 34	8 8 8.075 8.075	106.1 106.1 106.1 106.1	E E E E	45° 45° 45° 45°
1986/94 1988/95 1991	4	Omega 1.8 Vectra 1.8 i Eng. E18NVR Eng. 18NV/SEH/SV Astra 1.8 i Eng. C18NZ 1796 cc.	84.8	642667 642829 641306	IN EX	R4592/SCR R4593/RCR	41.8 36.5	7 7	103.8 103.6	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3511 G11150 G11151	IN	45	6	10.05 10.10 10.15	G	C.I.
	GS3511 G3530 G11153 G11154	IN EX	45 35	6	10.05 10.05 10.10 10.15	SM G	C.I. C.I.
	G3543* G11152	IN/EX	45	6	10.05 10.10	B	C.I.
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11238 G11239 G11240	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
	G3232	IN/EX	43	8	12.04	G	L
	G3232	IN/EX	43	8	12.04	G	L
	G2800 G2801 GS2800	IN/EX IN/EX	45.8 45.8	7	11.04 11.09 11.04	G SM	L L
	G11312*	IN/EX	45.8	7	11.04	B	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	PI 06-0010	I
640003	PI 06-0010	I
4409128 91160200	PI 06-0013 RA06-917	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I



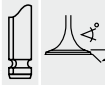
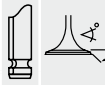

NOTE
remarks

***G3543**
BRONZE VERSION

OPEL
***G11312**
BRONZE VERSION

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1982/87		Manta S Eng. 18SEH 1796 cc.	86	642667 642829 641306	IN EX	R4592/SCR R4593/RCR	41.8 36.5	7 7	103.8 103.6	E E	45° 45°
1986/93 1987/94 1988/95		Kadett 2.0 GSi Omega 2.0i Vectra 2.0 Eng. 20SE-C20NE/SE Eng. 20NE/SE/SEH									
1992		Astra 2.0 i Eng. X20NE - C20NE									
1992/98		Frontera 2.0i Eng. C20NE-X20SE									
1990/97		Calibra 2.0i Eng. C20NE									
1986	4	Ascona 2.0 i Eng. 20SEH-C20NE/NEF 1998 cc.									
1991 1990/94	4	Astra 2.0 i 16V Calibra 2.0 i 16V 4X4 Eng. C20XE	86	642758 642858	IN EX	R4572/SCR R4573/BMARCR	33 29	7 7	104.9 105	I I	45° 45°
1990		Calibra 2.0 i Turbo 16V Eng. C20LET									
1988 1989/95		Kadett 2.0 i 16V Vectra 2.0 i 16V 4X4 Eng. 20XE-C20ET/XE 1998 cc.									
1995 1993 1995	4	Astra 2.0 i 16V Omega 2.0 i 16V Vectra 2.0 i 16V Eng. X20XEV	86	641022 641325	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
2002 2001 2003		Astra 2.0 i Turbo 16V Zafira 2.0 i Turbo 16V Speedster 2.0 i Turbo 16V Eng. Z20LET									
2004		Astra 2.0 i Turbo 16V Eng. Z20LEL - Z20LER									
2005		Zafira 2.0 i Turbo 16V Eng. Z20LEL - Z20LER									
2005	4	Astra 2.0 i Turbo 16V Eng. Z20LEH 1998 cc.									
1993	V6	Omega 3.0 i V6 24V Eng. X30XE 2961 cc.									
2003	4	Vectra 1.8 16V Turbo Signum 1.8 16V Turbo Eng. Z20NET 1998 cc.	86	641066 641380	IN EX	R6308/SCR R6309/BMCR	35.2 30	6 6	102.2 101	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2800 G2801	IN/EX	45.8	7	11.04 11.09	G	L
	GS2800	IN/EX	45.8	7	11.04	SM	L
	G11312*	IN/EX	45.8	7	11.04	B	L
	G3594 G11155	IN/EX	41	7	13.03 13.08	G	C.I.
	G3511 G11150 G11151	IN	45	6	10.05 10.10 10.15	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11153 G3530 G11153 G11154	EX	35	6	10.10 10.05 10.10 10.15	G	C.I.
	G3543* G11152	IN/EX	45	6	10.05 10.10	B	C.I.
9006082	G11379 G11380	IN/EX	36	6	10.04 10.09	G	L
	GS11379	IN/EX	36	6	10.04	SM	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 TRUST PAD	PI 06-0009 RA06-911 RA06-928	I
640003	PI 06-0010	I
640003	PI 06-0010	I



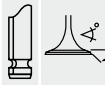


**NOTE
remarks**

	*G3543 BRONZE VERSION

OPEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	4	Insigna 2.0 16V Turbo Eng. A20NHT 1998 cc.	86	55565261 641464 641465 55565262	IN EX	R6613/SCR R6614/BMCR	27.70 24.33	5 5	114.40 114.40	I I	45° 45°
1996 1995	4	Sintra 2.2 i 16V Eng. X22XE Frontera 2.2 i 16V Eng. X22SE-X22XE-Y22SE 2198 cc.	86	641022 641325	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
2006	4	Antara 2.4 i 16V Eng. Z24XED 2405 cc.	87.5	641022 641325	IN EX	R4649/SCR R4650/BMCR	32 29	6 6	102.1 92.2	I I	45° 45°
2000 2003 2001	4	Zafira 2.2 16V Vectra 2.2 16V Speedster 2.2 16V Astra 2.2 i 16V Eng. Z22SE 2198 cc.	86	641056 641063 641373 641380 641376	IN EX	R6308/SCR R6309/BMCR	35.2 30	6 6	102.2 101	I I	45° 45°
1990	6	Omega 3.0i 24V Senator 3.0 24V Eng. C30SE	95								

OPEL DIESEL

2003 2005	4	Agila 1.3 16V CDTI Corsa 1.3 16V CDTI Meriva 1.3 16V CDTI Astra 1.3 16V CDTI Tigra 1.3 16V CDTI Eng. Z13CDTI 1248 cc.	69.6	641072 641071	IN EX	R6304/SCR R6305/BMCR	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2009 2010	4	Astra 1.3 CDTI Meriva 1.3 CDTI Eng. A13DTE Euro 5 1248 cc.	69.6		IN EX	R6636/SCR R6640/BMCR	22.45 22.5	6 6	109.2 109.2	I I	45° 45°
1987/00 1987/00 1988/91	4	Corsa 1.5 D Corsa 1.5 TD Kadett 1.5 D Eng. 15D-X15DT-4EC1 1488 cc.	76	641007 641300 641322	IN EX EX	R4546/SCR R4547/RCR R4548/RARCR	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1991/98 1988/91 1990/96 1993/00 1993	4	Astra 1.7 TD Kadett 1.7 TD Vectra 1.7 TD Eng. 17DT-X17DT-TC4EE1 1686 cc. Corsa 1.7 D Combo 1.7 D Eng. X17D-4EE1 1686 cc.	79	641007 641300 641322	IN EX EX	R4546/SCR R4547/RCR R4548/RARCR	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
641463 5520422	G11509	IN/EX	46.80	5	10.00	G	L
	GS11509	IN/EX	46.80	5	10.00	SM	L
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G3511 G11150	IN	45	6	10.05 10.10	G	C.I.
	GS3511	IN	45	6	10.05	SM	C.I.
	G11379 G11380	IN/EX	36	6	10.04 10.09	G	L
9006082	GS11379	IN/EX	36	6	10.04	SM	L
	G11157	IN/EX	41.1	7	11.23	G	C.I.
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L
	GS11310	IN/EX	43	6.02	10.03	SM	L
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L
642005	G3230 G3231	IN/EX	42	7	11.56 11.61	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	PI 06-0010	I
640003	PI 06-0010	I
640003	PI 06-0010	I
5640587	PI 06-0019 RA06-900	I
	PI 06-0019 RA06-900	



NOTE
remarks

OPEL

OPEL DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Astra 1.7 DTI 16V Corsa 1.7 DTI 16V	79	641025 97185860	IN	R6136/RNT	27.5	6	98.5	S	45°
2003		Meriva 1.7 DTI 16V		641369	EX	R6137/RNT	26.5	6	98.1	S	45°
2001		Combo 1.7 DTI 16V		97185352							
2000		Combo Van 1.7 DTI 16V Eng. Y17DT/DTL Eng. Z17DTL 1686 cc.		641387 97358650							
2006	4	Meriva 1.7 CDTI	79	641085	IN	R6645/SNT	27.40	6	102.6	S	45°
2006		Corsa 1.7 CDTI		641086	EX	R6646/RNT	25.45	6	102.4	S	45°
2007		Astra 1.7 CDTI NEW Eng. A 17 DTR Eng. Z 17 DTR 1686 cc.									
1982	4	Ascona 1.6 D	80	642651	IN	R3698/SCR	36	8	123	E	45°
		Kadett 1.6 D		642818	EX	R3699/RCR	32	8	123	E	45°
1984/99		Combo 1.6 D Eng. 16D-16DA 1598 cc.		641353							
1993	6	Omega 2.5 TD	80	641041	IN	R4919/BMCR	36	6	103.7	I	45°
		Eng. M51D25 BMW		641346	EX	R4920/BMARCR	31	6	103.5	I	45°
1996/98		Frontera 2.5 TD Eng. 25TD 2497 cc.									
2000	4	Movano 1.9 DTI	80	4415921	IN	R4973/S	35.3	7	110.9	E	45°
2001		Vivaro 1.9 DTI Eng. F9Q.M7/W7/770/774 1870 cc.		4415922	EX	R4974/R	32.6	7	110.7	E	45°
2004	4	Astra 1.9 CDTI 16V	82	641074	IN	R6203/SCR	28	6	114.40	I	45°
		Signum 1.9 CDTI 16V		641386	EX	R6204/BMCR	26	6	114.40	I	45°
		Vectra 1.9 CDTI 16V Zafira 1.9 CDTI 16V Eng. Z19DT-Z19DTH 1910 cc.									
1991	4	Astra 1.7 D	82.5	642651	IN	R3698/SCR	36	8	123	E	45°
1989/91		Kadett 1.7 D		642818	EX	R3699/RCR	32	8	123	E	45°
1988		Vectra 1.7 D		641353							
1988/92		Combo 1.7 D Eng. 17D-17DR									
1998		Astra 1.7 D									
1990		Vectra 1.7 D Eng. X17DTL 1700 cc.									
2007	4	Antara 2.0 CDTI	83	96951454	IN	R6548/SCR	28.5	6	95.7	I	45°
		Eng. Z20DM - Z20DMT 1991 cc.		96951455	EX	R6549/RCR	24.4	6	95.7	I	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11251 G11265	IN/EX	42.3	6	11.06 11.11	G	C.I.
	G11251 G11265	IN/EX	42.3	6	11.06 11.11	G	C.I.
	G2947 G2948	IN/EX	50	8	12.05 12.10	G	L
	G13599 G11021 G11022	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.
	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7	12.07	B	C.I.
55186786	G11302 G11303	IN/EX	47	6.02	11.03 11.06	G	C.I.
	GS11302	IN/EX	47	6.02	11.03	SN	C.I.
	G2947 G2948	IN/EX	50	8	12.05 12.10	G	L
	G3511 G11150 GS3511	IN/EX IN/EX	45 45	6 6	10.05 10.10 10.05	G SM	C.I. C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 THRUST PAD	PI 06-0009 RA06-911 RA06-928	I
	PI 06-0029	I
55200333	PI 06-0019 RA06-901 RA06-903	I
640051 640588 96351051 90323514 THRUST PAD	PI 06-0009 RA06-911 RA06-928	I


NOTE
 remarks

OPEL DIESEL
RA06-901
 57X17R17X10
RA06-903
 55X17R17X10

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	4	Insigna 2.0 CDTI Eng. A20DTC-A20DTJ Eng. A20DTH-A20DTR 1956 cc.	83	4805321	IN	R6548/SCR	28.5	6	95.7	I	45°
				96440147 4817388 96951455	EX	R6549/RCR	24.4	6	95.7	I	45°
1999	4	Astra 2.0 DTI 16V	84	642168	IN	R4884/BMCR	29	6	97.1	I	45°
1998/00		Omega 2.0 DTI 16V		642165	EX	R4885/BMARCR					
1997		Vectra 2.0 DTI 16V		90502316							
1999		Zafira 2.0 DTI 16V		642211							
		Eng. Y20DTH-X20DTH		642208							
1999		Astra 2.0 DTI 16V		90502326							
1996		Vectra 2.0 DTI 16V									
1999		Zafira 2.0 DTI 16V									
		Eng. X20DTL-Y20DTL									
2002		Astra 2.2 DTI 16V									
2000	Omega 2.2 DTI 16V										
2003	Signum 2.2 DTI 16V										
2002	Zafira 2.2 DTI 16V										
2000	Vectra 2.2 DTI 16V										
	Eng. Y22DTR/DTH										
	2171 cc.										
1997	4	Sintra 2.2 TDI 16V									
1995	4	Frontera 2.2 TDI 16V									
		Eng. X22DTH									
		2172 cc.									
2006	4	Vivaro 2.0 DCI Eng. M9R 1995 cc.	84	4431242	IN	R6574/S	27.7	6	103.9	I	45°
				4431241	EX	R6575/BM	26	6	103.8	I	45°
2011 NEW	4	Movano 2.3 CDTi 16V Eng. M9T 2299 cc.	85	4420439	IN	R6784/SNT	27.7	6	103.9	I	45°
				93168105 13201-2274R 7701476595 4431241 93161681	EX	R6575/BM					
2010 NEW	4	Antara 2.2 CDTI Eng. A22DM-A22DMH 2231 cc.	86	4802219	IN	R6787/SCR	28.8	5.5	101.9	I	45°
				4802220	EX	R6788/BMCR	26.45	5.5	101.9	I	45°
1982	4	Ascona 2.0D Manta 2.0D Rekord 2.0D Eng. 20D 1998 cc.	86.5	642759	IN	R4144/SCR	42	8	127	E	45°
				642882	EX	R4147/RCR	34.5	8	127	E	45°
2000	4	Movano 2.2 TD Eng. G9T.700/710/720 2187 c.	87	4506083	IN	R6237/S	30.7	6	123.1	I	45°
				4506084	EX	R6238/R	29.5	6	122.9	I	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3511 G11150 GS3511	IN/EX IN/EX	45 45	6 6	10.05 10.10 10.05	G SM	C.I. C.I.
	G3511 G11150 G11151 GS3511	IN/EX IN/EX	45 45	6 6	10.05 10.10 10.15 10.05	G SM	C.I. C.I.
	G11523	IN/EX	42.4	6	11.06	B	C.I
	G11523	IN/EX	42.4	6	11.06	B	C.I
	G11356	IN/EX	50	6	11.05	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640039 640259 93177316	PI 06-0019 RA06-933	I
640003	PI 06-0010	I
4431246 93161686 4431247 93161687	PI 06-0019 RA06-940	I
7701062312 7701062311	PI 06-0019 RA06-940	I
	PI 06-0038 RA06-930	I


NOTE
 remarks

OPEL DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	V6	Signum 3.0 24V CDTI Vectra 3.0 24V CDTI Eng. Y30DT 2958 cc.	87.5	641067 641384	IN EX	R6318/RNT R6319/RARNT	27.5 26.5	6 6	98.5 98.10	S S	45° 45°
2005 NEW	V6	Vectra DTI V6 24V Signum DTI V6 24V Eng. Z30DT 2958 cc.	87.5	641084 97353102 6410397 97353104	IN EX	R6785/SNT R6786/RARCR	30 28	6 6	98.4 97.9	S S	45° 45°
2001 2003	4	Movano 2.5 DTI 16V Eng. G9U.A7 Vivaro 2.5 DTI 16V Eng. G9U.B7 2463 cc.	89	4506083 4506084	IN EX	R6237/S R6238/R	30.7 29.5	6 6	123.1 122.9	I I	45° 45°
1982 1986	4	Rekord 2.3D Omega 2.3D Eng. 23D - 23YD 2260 cc.	92	642759 642882	IN EX	R4144/SCR R4147/RCR	42 34.5	8 8	127 127	E E	45° 45°
1995	4	Frontera 2.5 TD Eng. VM41B 2499 cc.	92		IN EX	R3598/RCR R3599/RCR	40 34	8 8	121 121	E E	35° 45°
1998	4	Movano 2.8 TDI Eng. S9W.A7/B7/702 2798 cc.	94.4	7301820 99432837	IN EX	R3989/RNT R4887/BMCR	41 36	8 8	120.7 122	EE EE	30° 45°
2003	4	Movano 3.0 CDTI 16V Eng. ZD3.A2 2953 cc.	96	4415247 4415246	IN EX	R6282/SCR R6283/RCR	32 30	7 7	113.4 113.4	E E	45° 45°
1997	V6	Frontera 3.2 i V6 24V Eng. 6VD1 3165 cc.	97	641049 97131961 641360 97131962	IN EX	R6345/SNT R6346/RNT	34 29	6 6	103.8 103.5	S S	45° 45°
PERKINS											
1958/73 1961	4	Eng. 4.99 1622 cc. Eng. 4.108 1759 cc. Eng. 4.107 1753 cc.	76.2 79.37	910064 31431661 910061 31431861	IN EX	R1247/N R1248/S	36 30	7.9 7.9	117 117	EE EE	45° 45°
1987/92	4	Eng. Prima 65 Eng. Prima 80T - Turbo 1994 cc.	84.4	BDU1399 BDU1400	IN EX	R4926/SNT R4927/RNT	37.2 33.6	7.42 7.40	93.8 93.8	EE EE	45° 45°
	3	Eng. 3.152S 2500 cc.	91.48	31431681 31431011 3142A081 31431761	IN EX	R4245/N R4246/R	39 33.5	7.9 7.9	114.5 114.5	EE EE	35° 35°
	3	Eng. 3.152 T 2500 cc.	91.48	31431981 31431031	IN EX	R4990/SCR R4991/RCR	39 33.5	7.9 7.9	114.5 114.4	EE EE	35° 35°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓									
							D	d	L							
1953/69	3	Eng.P3 - 3.144 2360 cc.	88.9	31431261 910002 31431951	IN EX	R0455/N R0456/S	39	7.9	114.5	EE	45°					
	4	Eng.P4 - 4.192 3147 cc.					33.5	7.9	114.5	EE	45°					
	6	Eng.P6 - 6.288 4720 cc.														
1953/70	3	Eng. 3.152 2491 cc	91.49													
1959	4	Eng. 4.203 3330 cc.														
	6	Eng. 6.305 5000 cc. Stessa applicazione spessore testa mag.1 mm.												IN EX	R4139/N R4120/S	39 33.5
1970	3	Eng. D3.152 2491 cc.	91.49	31431281 31431591 31431271	IN EX	R3049/N R3050/S	39	7.9	114.5	EE	45°					
1959	4	Eng. D4.203 3330 cc. Stessa applicazione spessore testa mag.1 mm.							IN EX	R3747/N R3748/S	39 33.5	7.9 7.9	114.5 114.5	EE EE	45° 45°	
	1976	4					Eng. 4.165 2710 cc.	92	31431491 3142H001 3142A031	IN EX	R3717/S R3718/RCR	40.5 35.5	7.9 7.9	114.5 114.5	EE EE	45° 45°
1960	4	Eng. 4.236 Ebro L80 3867 cc.	98476	31431641 31431109	IN EX	R3047/NCR R3048/RCR	44.5	9.48	123	EE	45°					
1969		Eng. 4.212 3475 cc.														
1960	6	Eng. 6.354 5800 cc.														
1960	6	Eng.T6.354 - Turbo Eng. T6.354.1 - Turbo Eng. T6.354.2 - Turbo	101054													
1969	4	Eng. 4.248 4065 cc.														
1974	6	Eng. 6.372 6097 cc. O/S Stem dia mm. 0.075 O/S Stem dia mm. 0.32 Stessa applicazione spessore testa mag.1 mm.											31431401 31431411 31431402 31431412	IN EX IN EX IN EX	R3885/NCR R3887/RCR R3886/NCR R3888/RCR R4093/NCR R4121/RCR	44.5 36.5 44.5 36.5 44.5 36.5

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
420002-3316A031	G2533 G2534 G2535	IN/EX	66	7.95	12.74 12.79 12.84	G	F
33261741	G2539 G2540 G2957	IN	54	8	12.74 12.79 12.84	G	L
33261723	G2531 G2532 G2952	IN/EX	62	8	12.74 12.79 12.84	G	L
33261741	G2539 G2540 G2957	IN/EX	54	8	12.74 12.79 12.84	G	L
33261732	G2537 G2953	IN	58	9.53	15.92 15.97	G	C.I.
33261752-3343J021	G2538 G2955	EX	61	9.53	15.92 15.97	G	C.I.
33261754	G3233	EX	61	9.53	15.92	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE
remarks**

PERKINS



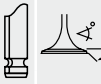
VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1960 1969 1970	6	Eng. T6.354.3 - Turbo Eng. 6.354.4 Eng. T6.354.4 - Turbo 5800 cc.	98476	31431641 3142A051	IN EX	R3047/NCR R4925/RCR	44.5 37.4	9.48 9.50	123 123.3	EE EE	45° 45°
1974		Eng. 6.372.4 6097 cc.	101054								
1984	6	Eng. T4.236 - Turbo 3660 cc.	98476	3142H002 3142A052	IN EX	R4247/NCR R4248/RCR	44 36.5	9.5 9.5	123 123.5	EE EE	30° 45°
1984	6	Eng. 6.354.4 Eng. 6.354 - Turbo 5800 cc.	98476	31431315 3142A052	IN EX	R3659/SCR R4248/RCR	44.5 36.5	9.48 9.5	123 123.5	EE EE	45° 45°
		Eng. T-6.60 Series 1004	100	3142D041 3142D031	IN EX	R6306/RCR R6307/RCR	43 41	9 9	123 123	EE EE	45° 45°
		Series 1004 - 4.421		3142H041 3142D061	IN EX	R6455/RCR R6456/RCR	45 42	9 9	124.1 124.1	EE EE	45° 45°
1986	4/6	Eng. Phaser T4.40 - T6.60 Turbo 5985 cc.	100	3142L071 3142A051	IN EX	R4928/RCR R4925/RCR	45 37.4	9.5 9.5	123 123.3	EE EE	45° 45°
	4/6	Serie 1000 Eng. 4.40 - 6.60	100	3142L051 3142A051	IN EX	R4988/SCR R4925/RCR	45 37.4	9.5 9.5	122.9 123.3	EE EE	45° 45°
	4/6	Serie 1000 Eng. T4.40 - T6.60	100	3142L072 3142A051	IN EX	R4989/RCR R4925/RCR	45 37.4	9.5 9.5	123.2 123.3	EE EE	30° 45°
1974	6	Eng. 6.372 Turbo 6097 cc.	101.05	31431315 31431311 31431961	IN EX	R3659/SCR R3660/RCR	44.5 37.5	9.48 9.45	123 123.5	EE EE	45° 45°
1966 1974 1975	V8	Eng. V8.510 Up to eng. 510U18340 Up to eng. 510UD7083 8360 cc Eng. V8.540 Eng. V8.510 From eng. 510U18341 From eng. 510UD7084 8830 cc.	107.95	31431822 31431385	IN EX	R3719/RCR R3720/RCR	45.5 39	9.5 9.5	139.5 139.5	EE EE	45° 45°
	3	Eng. 3.27 S 900		3142H007 3142H042 3142A091	IN EX	R6357/RCR R6358/RCR	41.8 38	7 7	116 115.5	I I	35° 45°
	3	S 700		3142H011 3142A101	IN EX	R6359/SCR R6360/RCR	44 37.2	7 7	106.5 106.3	I I	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004		Series 700 Forklift		1457503	IN	R6457/SCR	42	7	106.4	I	45°
				1457499	EX	R6458/RCR	34	7	106.3	I	45°
				4803849							

PETTER

1953/76	1	PAZ 1 348 cc.	76.2	254958	IN/D	R3619/S	37	7.9	109	EE	45°
				253926	EX	R3620/XB	30.5	7.9	109	EE	45°
1952/66	1	AV - AVA 553 cc.	80	250506	IN/EX	R0648/S	34	7.9	113.5	EE	45°
	2	AV - AVA 1106 cc.		269393							

PEUGEOT

1986	4	205 GL - XE Junior	70	0948.57	IN	R4228/S	34.7	7	112.8	E	30°
1991	4	106 XR Eng. C1A TU9 954 cc.		0949.58	EX	R4229/RCR	27.7	7	112.6	E	45°
2006	3	107 1.0 i 12V 998 cc.	71	0948.E2	IN	R6439/SNT	27.5	5	88.5	SS	45°
				0949.C8	EX	R6440/RNT	23.6	5	89.1	SS	45°
1972	4	104 GL - GR - SL	72	0948.38	IN	R3627/S	37	8	113.5	E	30°
1983		104 GLS		0949.33	EX	R3628/R	29	8	113.5	E	45°
1983		205 GL - GR		0949.42							
1981		Samba 1.1 Eng. XW7 1124 cc.									
1986	4	205 GR - GL Eng. H1A TU1	72	0948.58	IN	R4230/S	36.7	7	112.8	E	30°
1990		309 GE Eng. TU1		0949.59	EX	R4231/RCR	29.2	7	112.6	E	45°
1991		106 XR Eng. TU1K									
1996		106i 1.1 306i 1.1 Partner 1.1i									
1996		Ranch 1.1 i Eng. TU1M-HDZ-HFX 1124 cc.									
1998	4	206 1.1i Eng. TU1JP	72	0948.91	IN	R6110/S	36.7	7	112.7	E	45°
2001		1124 cc. 307 1.4 i 1360 cc.		0949.59	EX	R4231/RCR	29.2	7	112.6	E	45°
1985	4	205 - 309 GL Eng. E1A 1118 cc.	74	0948.51	IN	R4289/SCR	34	8	107	E	45°
				0949.53 138851	EX	R4290/RCR	29	8	107.5	E	45°
2012 NEW	3	208 1.2 12V VTI Eng. HMZ 1199 cc.	75	9676359080	IN	R6805/S	29.10	5	92.55	SS	45°
				9676359180	EX	R6806/RNT	26.09	5	91.80	SS	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11392 G11393	IN/EX	45.5	7	12.05 12.10	G	L
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0221.28	G11364	IN/EX	34.5	5	9.74	G	L-X
0220.51	G2976 G2977	IN/EX	47.5	7.99	13.07 13.12	G	C.I.
0220.59 0220.60	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE remarks

PETTER PERKINS

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1969/75	4	204 C - GL - L Eng. XK 4 1130 cc.	75	0948.30 0949.23 0949.28	IN EX	R3388/N R3389/R	37 29.5	8 8	126.5 125.5	E E	30° 45°
1979 1980 1983	4	104 SR Eng. XZ 5 104 S - ZS Eng. XY 6B 104 ZS Eng. XYR 205 GT Eng. XY 8 205 GR - SR Eng. XY 7 1361 cc.	75	0948.38 0949.33 0949.42	IN EX	R3627/S R3628/R	37 29	8 8	113.5 113.5	E E	30° 45°
1986 1987 1991 1994 1996 1998 1996 1993 2008	4	205 CJ - GR - SR - XR Eng. K1A TU3 205 CT - GT - XS - XT Eng. K2A TU3 405 GL Eng. K1A TU3 106 XT Eng. TU32K 1360 cc. 106 1.4i Partner 1.4i 206 1.4i Eng. TU3JP 1360 cc. Ranch 1.4 i Eng. TU32-KFX 306 1.4 i Eng. TU1M - TU3MC 1361 cc. Bipper Tepee 1.4 i Eng. KFV (TU3JP) 1361 cc.	75	0948.58 0949.59	IN EX	R4230/S R4231/RCR	36.7 29.2	7 7	112.8 112.6	E E	30° 45°
1991 1993	4	106 XiS Eng. TU3F 1361 cc. 106 Rallye Eng. TU3F-J2K 1294 cc.	75	0948.73 0948.65 0949.70	IN EX	R4881/S R4882/RCR	39 31	7 7	111.7 111.5	I I	30° 45°
1982	4	Samba Rallye Eng. XZ5 1219 cc. Samba GLS Eng. XY8 1361 cc.	75	0948.38 0949.33 0949.42	IN EX	R3627/S R3628/R	37 29	8 8	113.5 113.5	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	1007 1.4 8V Eng. TU3JP 1360 cc.	75	0948.91 0949.59	IN EX	R6110/S R4231/RCR	36.7 29.2	7 7	112.7 112.6	E E	45° 45°
2002 2005 2002/2006	4	307 1.4 i 16V 207 1.4 i 16V 1007 1.4 i 16V Eng. ET3J4-KFU 1360 cc.	75	0948.C8 0949.C4	IN EX	R6441/S R6442/BMCR	28.2 24.35	5.5 5.5	100.7 101.1	I I	45° 45°
1985	4	205 309 GL - GR Eng. G1A - G1B 1294 cc.	76.7	0948.52 0949.53 138851	IN EX	R4291/SCR R4290/RCR	36 29	8 8	107 107.5	E E	45° 45°
2007 NEW	4	207 1.4 i 16V 308 1.4 i 16V Eng. 8 FP EP3 1397 cc.	77	0948.F9 0949.F6	IN EX	R6712/S R6725/R	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2007 NEW 2010	4	207 1.6 i 16V 308 1.6 i 16V 3008 1.6 i 16V 508 1.6 i 16V Eng. 5FW EP6 Eng. 5FS EP6C 1598 cc.	77	0948.F9 0949.F6	IN EX	R6712/S R6725/R	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2010 NEW	4	RCZ 1.6 16V Eng. EP6CDTX Eng. EP6CDT 1598 cc.	77	0948.G4 0949.E2	IN EX	R6711/S R6664/RCR	29.70 26	5 5	95.10 110.1	I I	45° 45°
1975 1977	4	204 304 GL - LE Eng. XK 5 1127 cc. 304 S - SLS - SL 304 GL - GLE 305 GL - GR Eng. XL5 1290 cc. 305 S - SR Eng. XR5 1472 cc.	78	0948.39 0949.44 0949.43	IN EX EX	R3931/S R3932/RCR R4214/RCR	39.5 32.5 33.5	8 8 8	116 113 114.2	E E E	30° 45° 45°
1993	4	106 XSI 306 XT Eng. TU5JP Eng. TU5J2 1578 cc.	78.5	0948.73 0948.65 0949.70	IN EX	R4881/S R4882/RCR	39 31	7 7	112 111.5	I I	30° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
	G11495 G11496	IN/EX	38	5.5	10.57 10.60	B	L
	G11524 G11525 G11526	IN EX	41 44.5	5.01	9.05 9.09 9.05	B B	L L
	G11524 G11525 G11526	IN EX	41 44.5	5.01	9.05 9.09 9.05	B B	L L
	G11524 G11525 G11526	IN EX	41 44.5	5.01	9.05 9.09 9.05	B B	L L
0220.40	G2554 G2555	IN/EX	51	8.02	14.05 14.10	G	C.I.
0220.84	G3454 G3455 G3456	IN/EX	48.5	7.01	13.06 13.11 13.16	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.53	PI 06-0019	I
	PI 06-0046* PI 06-0047* RA06-950	I I
	PI 06-0046* PI 06-0047* RA06-950	I I
0903.J6	PI 06-0046* PI 06-0047* RA06-950	I I


**NOTE
remarks**

	PI 06-0046* 12X29.90 PI 06-0047* 12X39.30
	PI 06-0046* 12X29.90 PI 06-0047* 12X39.30
	PI 06-0046* 12X29.90 PI 06-0047* 12X39.30 RA06-950 No Eng. CDTX

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	106 i 16V Eng. TU5J4-NFX 1587 cc.	78.5	0948.83 0949.89	IN EX	R4975/SCR R4976/RCR	28.8 24.5	6 6	104.4 104.4	S S	45° 45°
1998	4	106 1.6 i Eng. TU5JP/2-NFZ-NFY From spec. 07875	78.5	0948.93 0949.70	IN EX	R6089/S R4882/RCR	39.4 31	7 7	111.7 111.5	I I	45° 45°
1998		206 1.6									
1998		306 1.6 XT Eng. TU5JP-NFZ-NFT 1587 cc.									
2000	4	206 1.6 16V 307 1.6 16V	78.5	0948.A9 0948.E0	IN	R6147/S	31.2	6	103.8	S	45°
2005		1007 1.6 16V 207 1.6 16V		0949.A8 0949.C5	EX	R6148/RCR	24.5	6	104.4	S	45°
2001		Ranch 1.6 16V Eng. NFU-TU5JP4 1587 cc.									
2007	4	207 1.6 16V 308 1.6 16V	78.5	0948.E8 0949.E2	IN EX	R6663/S R6664/RCR	28.8 26	5 5	105.7 110.1	I I	45° 45°
2009		3008 1.6 16V 5008 1.6 16V Eng. EP6DTS 1598 cc..									
1964/75	4	404 J7 Eng. KF 2	80	0948.24 0948.34 0948.21	IN EX	R3196/N R3197/XBCR	41.5 35.5	8 8	119 112	E E	30° 45°
2000	4	607 1.8i 16V 406 1.8i 16V	82.7	0948.A4 0949.A4	IN EX	R6157/S R6158/BMCR	29.8 27.2	6 6	106 104	S S	45° 45°
2001		407 1.8 i 16V									
2003		1749 cc. Eng. EW7J4-6FZ-6FY 1749 cc.									
1984	4	205 GTI 305 GT	83	0948.47 0949.52	IN EX	R3985/SCR R3986/RCR	40 33	8 8	109.5 108.7	E E	45° 45°
1987		309 GR - GT - SR 405 Eng. XU5 1580 cc.		0949.48	EX	R4311/RCR	32	8	108.7	E	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
0220.59	G3159 G3160	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	G11259 G11260	IN/EX	40	6	11.07 11.12	B	C.I.
	G11524 G11525 G11526 G11527	IN EX	41 44.5	5.01	9.05 9.09 9.05 9.09	B B	L L
0220.25	G2560 G2561 G2972	IN/EX	55	8.02	14.05 14.10 14.15	G	C.I.
02130.12	G11315 G11316	IN	40	6	12.07 12.12	B	C.I.
02130.13	G11317 G11318	EX	40	6	12.07 12.12	G	C.I.
0220.64	G3239 G3240 G3241 G3242	IN EX	38.7 45	8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0024	I
0942.50	PI 06-0037	I
	RA06-950	
	PI 06-0024	I


NOTE
remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓						
							D	d	L				
1986	4	205 GTI - CTI	83	0948.56	IN	R4292/XB	41.5	8	108.5	E	45°		
1992		205		0949.57	EX	R4293/RCR	34.5	8	108.5	E	45°		
1987		309 GTI											
1987		405 GE - GL - GR - SR											
		Eng. XU5											
		1580 cc.											
1992		405 GE - GL - GR - SR											
		Eng. XU7JP											
		1762 cc.											
1986		205 GTI 1.9											
1987	305 GT												
1986	309 GTI												
1987	405 GE - GL - GR - SR												
	Eng. XU9												
	1905 cc.												
1985		205	83	0948.54	IN	R4226/S	39.5	8	105.2	E	45°		
		305		0949.54	EX	R4227/RCR	33	8	105.2	E	45°		
1984		305 GTX											
1985		309 GTI											
1987		405 GLI - GR - SR											
		405 GE - DL - GR - SR											
		Eng. XU9											
		1905 cc.											
1987		4		405 GRI - SRI	83	0948.62	IN	R4532/S	41.6	8	105.2	E	45°
				Eng. XU9-J2									
	1905 cc.												
				0948.71									
				0949.63	EX	R4533/RARCR	34.5	8	104.8	E	45°		
				0949.78									
1989/90	4	309 1.9 GTI 16V	83	0948.61	IN	R4456/SCR	34.5	7	106.5	I	45°		
1987/91		405 1.9 MI 16V		0949.62	EX	R4457/RCR	29.6	7	105.8	I	45°		
		Eng. XU9-J4-D6C											
		1905 cc.											
1994	4	306 1.8 i	83	0948.56	IN	R4292/XB	41.5	8	108.5	E	45°		
1995		806 1.8 i		0949.57	EX	R4293/RCR	34.5	8	108.5	E	45°		
1997		406 1.8 I											
1997		Ranch 1.8 i											
		Eng. XU7JP/JB-LFX											
		1762 cc.											
03/97-06/97	4	306 1.8 16V	83	0948.75	IN	R6329*/SCR	34.5	7	106.4	I	45°		
1995-06/97		406 1.8 i 16V		0949.81	EX	R6330*/RCR	29.6	7	105.7	I	45°		
		Eng. LFY-XU7JP4											
		Unti spec. 07359											
		1761 cc.											
1997	4	406 1.8	83	0948.71	IN	R4360/S	41.6	8	105.2	E	45°		
		Partner 1.8		0949.78	EX	R4361/RARCR	34.5	8	104.8	E	45°		
		Eng. XU7JB											
		1762 cc.											

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.64	G3239 G3240 G3241 G3242	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.64	G3239 G3240 G3241 G3242	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.64	G3239 G3240 G3241 G3242	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.73	G3536 G3537 G3538 G3539	IN	40	7.01	12.06	B	C.I.
0221.19		EX	40	7.01	12.11 12.06 12.11	B	C.I.
0220.64	G3239 G3241	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07	B	C.I.
0221.19	G3538 G3539	IN/EX	40	7.01	12.06 12.11	B	C.I.
0220.64	G3239 G3241	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	PI 06-0007	I
9629316580 9633365880	PI 06-0007	I






NOTE
 remarks

PEUGEOT

***R6329-R6330**
 Retainer stem
 end 2.2 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995	4	406 1.8 Eng. XU7JP4 CEE 95 1761 cc.	83	0948.82 0949.92	IN EX	R6060/S R6111/RCR	34 29.6	6 6	106.4 105.8	E E	45° 45°
1962/69	4	404 A Eng. KF 1 404 GTi Eng. KF 2	84	0948.33 0948.55 0948.29	IN	R3390/N	42.5	8	119	E	30°
1971		J7 Eng. XC		0949.27 0949.55 0949.69	EX	R3391/R	35.5	8	112	E	45°
1980		J9 Eng. XC									
1979		505 Eng. XC5									
1968		1618 cc. 504 TI Eng. KF									
1971		504 L - GL 505 L Eng. XM7 J5 - J7 Eng. XM7 1796 cc.									
1999	4	206 2.0 i 16V	85	0948.99	IN	R6113/S	33.3	6	106.2	E	45°
2000		307 2.0 i 16V		0949.99	EX	R6114/RCR	29	6	103.6	E	45
1999		406 2.0 i 16V									
2005		407 2.0 i 16V									
2000		806 2.0 i 16V									
1999		Expert 2.0 i 16V 807 2.0 i 16V Eng. EW10J4-RFN-RFR Eng. RFK-RFJ 1998 cc.									
2001	4	406 2.0 HPI 16V Eng. RLZ-EW10D 1998 cc.	85	0948.A7 0949.A7	IN EX	R6159/S R6160/BMCR	32.4 29.2	6 6	105 102.6	S S	45° 45°
1993	4	306 XT 405 GRI - GTX - SRI 605 SL - SR - SRI 806 SR - ST Eng. XU10J2 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	R4458/S R4459/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0221.25	G11158	IN	41	5.98	12.07	B	C.I.
	G11223				12.12		
0221.26	G11159	EX	41	5.99	12.07	G	C.I.
	G11225				12.12		
0220.25	G2560	IN/EX	55	8.02	14.05	G	C.I.
	G2561				14.10		
	G2972				14.15		
	G11352	IN/EX	41	6	12.07	B	C.I.
	G11353				12.12		
02130.12	G11315	IN	40	6	12.07	B	C.I.
	G11316				12.12		
02130.13	G11317	EX	40	6	12.07	G	C.I.
	G11318				12.12		
	G3340	IN	43.5	8.01	13.07	B	C.I.
	G3341				13.12		
	G3344	EX	51	8.01	13.07	B	C.I.
	G3345				13.12		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580	PI 06-0007	I
9633365880		
0942.48	PI 06-0024	I
0942.46		





NOTE
remarks

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1992/95 1995 1992/95	4	306 2.0 i 16V 405 2.0 MI 16V 406 2.0 i 16V Eng. XU10J4/Z-RFT-RFY 405 2.0 i Turbo 16V Eng. XU10J4TE-RGZ 1998 cc.	86	0948.61 0949.62	IN EX	R4456/SCR R4457/RCR	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
03/97-06/97 1995-06/97 1994-06/97	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V Eng. RFV-XU10J4R Until spec. 07359 1998 cc.	86	0948.75 0949.81	IN EX	R6329/SCR* R6330/RCR*	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
07/97	4	306 1.8 i 16V 406 1.8 i 16V Eng. LFY-XU7JPA From spec.07360 1761 cc.	86	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
07/97 1998/00	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V 806 2.0 i 16V Eng. XU10J4R-RFV From spec.07360 1998 cc.	86	0948.92 0949.92	IN EX	R6112/S R6111/RCR	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1994 1989 1994	4	306 2.0 i Eng. XU10J2C-RFX 605 2.0 i Eng. XU10J2C/Z-RFZ 806 2.0 i Eng. XU10J2C-RFU 1997 cc.	86	0948.66 0949.66 0949.72	IN EX	R4608/S R4609/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994 1991 1994	4	406 2.0 i Turbo 605 2.0 i Turbo 806 2.0 io Turbo Eng. XU10J2T/TE-RGX 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	R4608/S R4609/RCR	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
2004	4	Boxer 2.0 i Eng. XU10J2U-RFW 1998 cc.	86	0948.56 0949.57	IN EX	R4292/XB R4293/RCR	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
1997	4	306 2.0 i 16V Eng. XU10J4RS-rfs 1998 cc.	86	0948.82 0949.87	IN EX	R6060/S R6061/BMARCR	34 30.7	6 6	106.4 105.3	S S	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.73	G3536 G3537	IN	40	7.01	12.06 12.11	B	C.I.
0221.19	G3538 G3539	EX	40	7.01	12.06 12.11	B	C.I.
0221.19	G3538 G3539	IN/EX	40	7.01	12.06 12.11	B	C.I.
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	G3340 G3341 G3344 G3345	IN EX	43.5 51	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
0220.64	G3239 G3241	IN EX	38.7 45	8.01	13.06 13.07	B B	C.I. C.I.
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	PI 06-0007	I
9629316580 9633365880	PI 06-0007	I
9629316580 9633365880	PI 06-0007	I
9629316580 9633365880	PI 06-0007	I


NOTE
remarks

***R6329/SCR**
***R6330/RCR**
Retainer stem
end 2.2 mm

PEUGEOT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000 2004 2000 2002	4 4	406 2.2 i 16V 407 2.2 i 16V 607 2.2 i 16V 807 2.2 i 16V Eng. 3FZ EW12J4 2230 cc.	86	0948.A1 0949.A2	IN EX	R6347/S R6348/RCR	35 31.1	6 6	106 102.8	S S	45° 45°
1996/1996	4	Expert 1.6 i Eng. 220A2.000 1581 cc.	86.4	7609772 5973129	IN EX	R4252/SCR R3594/RCR	37.5 33.5	8 8	108.5 109	EE EE	45° 45°
1972 1979	4	504 TI - 504 GL 505 GR - SR 505 - 604 Eng. XN1 - XN2 - XN6 1971 cc.	88	0948.33 0948.55 0948.29 0949.27 0949.55 0949.69	IN EX	R3390/N R3391/R	42.5 35.5	8 8	119 112	E E	30° 45°

PEUGEOT DIESEL

2010	4	Bipper 1.3 HDI Eng. 199A9.000 1248 cc.	69.6	0948.H0 0949.G3	IN EX IN EX	R6304/SCR R6305/BMCR R6636/SCR R6640/BMCR	21.9 21.9 22.45 22.5	6 6 6 6	109.2 109.2 109.2 109.2	I I I I	45° 45° 45° 45°
2001 2005 2005 2001 2005 2008	4	307 1.4 HDI 1007 1.4 HDI 107 1.4 HDI 206 1.4 HDI 207 1.4 HDI Bipper Tepee 1.4 HDI Eng. -8HX-8HZ-8HR Eng. (DV4C-DV4TD) 1398 cc.	73.7	0948.C2 0949.B1	IN EX	R6149/SCR R6150/BMCR	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°
2011 NEW	4	1007 1.4 HDI Eng. DV4TD From OPR 10339 1398 cc.	73.7	0948.F5 0949.F0	IN EX	R6694/SCR R6695/BMCR	32.8 30.2	5.5 5.5	97.05 97.05	I I	45° 45°
1992/96	4	106 1.4 D Eng. K9A-K9Y-TUD3/Y 1361 cc.	75	0948.69 0949.71	IN EX	R4412/S R4413/RCR	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
2004 2004 2004 2005 2005	4	206 1.6 HDI 16V 307 1.6 HDI 16V 407 1.6 HDI 16V 207 1.6 HDI 16V Ranch 1.6 HDI 16V Eng. 9HY-9HZ (DV6TED4) Eng. 9HX (DV6ATED4) 1560 cc.	75	0948.C7 0949.C3	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11352 G11353	IN/EX	41	6	12.07 12.12	B	C.I.
4250803 4372160	G2235 G2236	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
0220.38	G2980	IN/EX	51	8	13.05	G	C.I.
	G11310 G11311	IN/EX	43	6.02	10.03 10.07	G	L-X
	GS11310	IN/EX	43	6.02	10.03	SM	L-X
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G3332 G3336	IN EX	40.2 43	7 7	13.07 13.07	B B	C.I. C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L



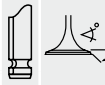

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0024	I
4152447 60800018	PI 03-102	M
46475925 73501138	PI 06-0019 RA06-900	I
9638075480 0903.65 9636848280	PI 06-0019 RA06-914	I
0942.53 0903.65	PI 06-0019 RA06-914	I
96027105	PI 03-105	M
0903.67 0903.J1	PI 06-0019 RA06-934	I


**NOTE
remarks**
PEUGEOT
PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2010 2009 2010 2009 NEW	4	5008 1.6 HDI 207 1.6 HDI 508 1.6 HDI 308 1.6 HDI Eng. 9HP(DV6DTEd) 1560 cc.	75	0948.F7 0949.F5	IN EX	R6726/SCR R6727/RCR	30.15 27.5	5.5 5.5	95.60 95.50	I I	45° 45°
2010 NEW	4	207 1.6 HDI 16V 308 1.6 HDI 16V 3008 1.6 HDI 16V 5008 1.6 HDI 16V Eng. 9HZ(DV6TED4) 1560 cc.	75	0948.G1 0949.F7	IN EX	R6728/SCR R6729/RCR	25.6 23.5	5.5 5.5	96.06 96.25	I I	45° 45°
1968/73 1973/76	4	204 D Eng. XLD 1255 cc. 204 D - 304LD/GLD Eng. XL4D 1357 cc.	75 78	0948.28 0949.26 0949.35	IN EX	R3386/N R3387/RCR	35 29.5	8 8	121 121	E E	30° 45°
1994 1994	4	106 1.5 XAD 106 1.5 D Eng. TUD5-VJY-VJZ 1527 cc.	77	0948.74 0949.80	IN EX	R4821/S R4822/RCR	37 31.5	7 7	108.4 108.1	E E	45° 45°
1983/86	4	205 GLD - GRD - SRD 305 GLD - SRD 309 GLD - SRD Eng. XUD7 - 161A 1769 cc.	80	0948.46 0949.60 0949.73	IN EX EX	R3987/S R3988/RCR R4810/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1986	4	205 GLD - GRD - SRD 305 GLD - SRD 309 GLD - SRD Eng. XUD7 - 161A 1769 cc.	80	0948.59 0949.60 0949.73	IN EX EX	R4243/SCR R3988/RCR R4810/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988/92	4	405 GRD - GTD - SRD Eng. XUD7 TE-Turbo 1769 cc. 205 GRD - SRD - GTD 309 GRD - SRD Eng. XUD7 T-Turbo 1769 cc.	80	0948.63 0949.74	IN EX	R4883/RCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1998 1998	4	206 1.9D Ranch 1.9 D Eng. DW8-WJY-WJZ 1868 cc.	82.2	0948.94 0949.73	IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1980	4	Solara D Horizon EXD - LD Eng. XUD9 1905 cc.	83	0948.46 0949.60 0949.73	IN EX EX	R3987/S R3988/RCR R4810/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	GS11413	IN/EX	34	5.5	9.54	SM	L
	G2556 G2557	IN/EX	56.5	8.02	14.06 14.11	G	L
	G3555 G3557	IN	40.2	7	13.07 13.12	B	C.I.
	G3556 G3558	EX	43	7	13.07 13.12	B	C.I.
0220.55	G3234 G3235	IN/EX	50	8.02	14.06 14.11	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
0220.75	G3163 G3164 G3165 G3528 G11025	IN/EX IN/EX	52 48	8.02 8.02	14.05 14.10 14.15 14.05 14.10	B B	L C.I.
0220.55	G3234 G3235	IN/EX	50	8.02	14.06 14.11	B	L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019 RA06-914	
	PI 06-0019 RA06-934	I
0942.28	PI 03-105	M


NOTE
 remarks

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983/86	4	305 GLD - SRD 309 GLD - GRD - SRD 309 XAD - XLD - XRD Eng. XUD9 - 162 1905 cc.	83	0948.46 0949.60	IN EX	R3987/S R3988/RCR	38.5 33	8 8	112.4 112	E E	30° 45°
1986	4	205 D 309 GLD - GRD - SRD 309 XAD - XLD - XRD Eng. XUD9 - 162 1905 cc.	83	0948.59 0949.60 0949.73	IN EX EX	R4243/SCR R3988/RCR R4810/RCR	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988 1991		405 GLD - GRD 309 SRD - GRD J5 Eng. XUD9A									
1993/95		306 SRD - GRD Eng. XUD7 - XUD9 1905 cc.									
1993 1992 1995 1994	4	306 GTD 405 GTD - SRDT 406 SL - ST 1.9 TD 806 GTD - SRDT - STDT Eng. XUD9TE - Turbo 1905 cc.	83	0948.63 0949.74	IN EX	R4883/RCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1995	4	406 1.9 TD-ST Turbo D Eng. XUD9TF - OHC 1905 cc.	83	0948.63 0949.74	IN EX	R4883/RCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1995 1989	4	406 ST 2.1 TD 12V 605 SRDT - SVDT Eng. XUD11A TE - TD 2088 cc.	85	0948.68 0949.68	IN EX	R4623/SCR R4624/BMARCR	33.9 33.9	8 8	122.3 121.9	I I	45° 45°
1989/95		605 2.1 D 12V Eng. XUD11A-P9A 2138 cc.	86								
1996 1996 1996/99	4	406 2.1 TD 12V 605 2.1 TD 12V 806 2.1 TD 12V Eng. XUD11BTE TD-P8C-PHZ 2088 cc.	85	0948.68 0949.68	IN EX	R4623/SCR R4624/BMARCR	33.9 33.9	8 8	122.3 121.9	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.55	G3234 G3235	IN/EX	50	8.02	14.06 14.11	B	L
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G11272* G11273	IN/EX	48	8.02	14.05 14.10	G	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
2200.81	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
2200.81	G3513 G11026	IN/EX	54.5	8.01	13.06 13.12	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0903.65 TRUST PAD	PI 06-0017 RA06-912 RA06-928	I
0942.25 0903.65 TRUST PAD	PI 06-0017 RA06-912 RA06-928	I






NOTE
 remarks

***G11272**
 CAST IRON
 VERSION

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	206 2.0 HDI	85	0948.95	IN	R6092/SCR	35.6	6	107.1	I	45°
1999		306 2.0 HDI		0949.96	EX	R6093/BMCR	33.8	6	107.1	I	45°
1999		406 2.0 HDI									
2000		307 2.0 HDI									
2000		806 2.0 HDI									
2000		Expert 2.0 HDI									
2000		Ranch 2.0 HDI									
		Eng. DW10TD-RHY-RHZ Eng. DW10ATED-RHY-RHZ Eng. DW10BTED-RHX 1998 cc.									
2000	4	806 2.0 HDI 16V	85	0948.C0	IN	R6161/SCR	29.9	6	106.2	I	45°
2001		Ranch 2.0 HDI 16V		0949.A9	EX	R6162/BMCR	25	6	106.1	I	45°
		Eng. RHS-RHW Expert 2.0 HDI									
2001		307 2.0 HDI									
		Eng. RHS 807 2.0 HDI 16V									
2002		406 2.0 HDI 16V									
2001		Eng. DW10ATED4-RHS Eng. RHS-RHW-RHX-RHY Eng. RHZ Eng. DW10BTED4 1997 cc.									
2003	4	307 2.0 HDI 16V	85	0948.A3	IN	R6163/SCR	29.8	6	105	I	45°
2004		407 2.0 HDI 16V		0949.A3	EX	R6164/BMCR	25	6	105	I	45°
2005		607 2.0 HDI 16V									
		Eng. DW10BTED4-RHR 1997 cc.									
2010	4	308 2.0 HDI 16V	85	0948.F6	IN	R6724/SCR	27.25	6	104.5	I	45°
NEW		3008 2.0 HDI 16V		0949.A3	EX	R6164/BMCR	25	6	105	I	45°
		5008 2.0 HDI 16V RCZ 2.0 HDI 16V Eng. RHH (DW10CTED4) 1997 cc.									
2001	4	406 2.2 HDI 16	85	0948.A3	IN	R6163/SCR	29.8	6	105	I	45°
2001		607 2.2 HDI 16V		0949.A3	EX	R6164/BMCR	25	6	105	I	45°
2002		807 2.2 HDI 16V									
		Eng. DW12TED4-4HX 2179 cc.									
2006	4	607 2.2 HDI 16V	85	0948.E5	IN	R6595/SCR	27.2	6	95.80	I	45°
2007		4007 2.2 HDI 16V		0949.E1	EX	R6596/BMCR	25	6	95	I	45°
		Eng. 4HT (DW12BTED4) 2179 cc.									
2006	4	Boxer 2.2 Hdi 100	86	0948.E6	IN	R6508/SCR	29.8	7	122.3	I	45°
		Eng. 4HV (P22DTE) 2198 cc.		0949.E3	EX	R6509/RCR	25.8	7	122.1	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396	IN/EX	42.5	6	12.06	G	C.I.
	G11397				12.11		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A1	G11396	IN/EX	42.5	6	12.06	G	C.I.
	G11397				12.11		
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
0220.A2	G11319	IN/EX	41.5	6	10.06	G	L
	G11320				10.11		
	GS11319	IN/EX	41.5	6	10.06	SM	L
	G11569	IN/EX	51.5	6.96	12.06	G	L
	G11570				12.10		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9638075480	PI 06-0019	I
0903.64	RA06-913	
0903.58		
0903.59		
0942.49	PI 06-0039	I
0903.69	RA06-915	
0903.60		
	PI 06-0019	I
	RA06-913	
0942.49	PI 06-0039	I
0903.69	RA06-915	
0903.60		
0942.49	PI 06-0039	I
0903.69	RA06-915	
0903.60		
0942.49	PI 06-0039	I
0903.69	RA06-915	
0903.60		


NOTE
remarks

RA06-913
L46 DIA R 17MM

RA06-915
L58.4
RA06-913
L46 DIA R 17MM
PI 06-0019
ONLY ENG. RHS-RHX
ENG. RHY-RHZ
PI 06-0039
ONLY ENG. RHW

RA06-915
L58.4

RA06-915
L58.4

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968	4	J7 - J9 Eng. XDP4.90 Indenor 2112 cc.	88	0948.27 0949.25	IN EX	R3442/N R3443/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1971		404D - 504D Eng. XD4.88 Indenor 1948 cc.		Spessore testa maggiorato	IN EX	R3749/N R3750/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1970		504D Eng. XD4.90 Indenor 2112 cc.	90	1 mm							
1994	4	605 2.5 TD 12V Eng. DK5ATE-THY	92	0948.72 0949.79	IN EX	R4944/SCR R4945/RCR	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
1994		Boxer 2.5 TD12V Eng. T9A-DJ5-THX-DJ5T 2446 cc									
2001	4	Boxer 2.5 TDI 8V Eng. DJ5TED-THX 2446 cc.	92	0948.84 0949.90	IN EX	R6151/SCR R6152/RCR	41 37.8	7 7	115.7 115.5	I I	45° 45°
1975	4	504 GL 505 GRD - SRD Eng. XD2	94	0948.37 0949.25	IN EX	R3658/S R3443/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	30° 45°
1983		J7 - J9 Eng. XD2P94 2304 cc.									
1980	4	505 SRD 604 D - GRD - SRD Eng. XD2S Turbo 2304 cc.	94	0948.27 0949.25	IN EX	R3442/N R3443/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1984	4	505 SRD - 604 GTD Eng. XD3T - Turbo 2498 cc.	94	0948.49 0949.50	IN EX	R4018/S R4019/BMCR	42.5 35.5	8.5 8.5	116 116	E E	45° 45°
1980	4	Tagora TD Eng. XD2S - Turbo 2304 cc.	94	0948.27 0949.25	IN EX	R3442/N R3443/RCR	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
2000	4	Boxer 2.8 HDI Eng. 8140.43S 2800 cc.	94.4	0948.A2 0949.A0	IN EX	R3989/RNT R4887/BMCR	41 36	8 8	120.7 122	EE EE	30° 45°
2006	4	Boxer 3.0 HDI 16V Eng. F1CE0481 2999 cc.	94.4	504072531 504081062	IN EX	R6368/SCR R6369/BMCR	32.4 32.4	6 6	120 119.95	I I	30° 30°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.16	G2558 G2559	IN/EX	55.4	8.50	14.06	G	L
		14.11					
0220.16	G2986* G2987	IN/EX	55.4	8.50	14.06	B	L
		14.11					
0220.93	G3566 G11036	IN/EX	54	7.01	13.05 13.10	B	C.I.
0220.93	G3566 G11036	IN/EX	54	7.01	13.05 13.10	B	C.I.
0220.16	G2558 G2559	IN/EX	55.4	8.50	14.06	G	L
		14.11					
0220.16	G2986 G2987	IN/EX	55.4	8.50	14.06	B	L
		14.11					
0220.16	G2558 G2559	IN/EX	55.4	8.50	14.06 14.11	G	L
0220.16	G2558 G2559	IN/EX	55.4	8.50	14.06 14.11	G	L
0220.16	G2558 G2559	IN/EX	55.4	8.50	14.06 14.11	G	L
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
500388426 504053804	G11388 G11389 G11390 G11391	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0017	I
	PI 06-0016	I
4733350	PI 03-101	M
	PI 06-0008 RA06-916	I






NOTE
remarks

***G2986**
BRONZE
VERSION

PEUGEOT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		

PORSCHE

2002 NEW	V8	Cayenne 4.5 Eng. M48.00 4511 cc.	83	94810531101	IN	R6706/SARCR	37.08	6	109.15	I	45°
				94810531200	EX	R6707/BMARCR	32.45	6	109.45	I	45°
2004 NEW	V8	Cayenne 4.5 Eng. M48.50S Turbo 4511 cc.	83	94810531101	IN	R6706/SARCR	37.08	6	109.15	I	45°
				94810531253	EX	R6708/BMARCR	32.45	6	109.53	I	45°
2007 NEW	V8	Cayenne 4.8 Eng. M48.01 4806 cc.	83	94810532102	IN	R6736/SCR	38.20	6	107.7	I	45°
				94810532202	EX	R6738/BMARCR	33	6	108.10	I	45°
2007 NEW	V8	Cayenne 4.8 Eng. M48.51 Turbo 4806 cc.	83	94810532102	IN	R6736/SCR	38.20	6	107.7	I	45°
				94810532252	EX	R6737/BMARCR	33	6	108.20	I	45°
2010 NEW	V8	Cayenne 4.8 Eng. M48.02 4806 cc.	83	94810532102	IN	R6736/SCR	38.20	6	107.7	I	45°
				94810532202	EX	R6738/BMARCR	33	6	108.10	I	45°
2010 NEW	V8	Cayenne 4.8 Eng. M48.52 Turbo 4806 cc.	83	94810532102	IN	R6736/SCR	38.20	6	107.7	I	45°
				94810532252	EX	R6737/BMARCR	33	6	108.20	I	45°
2002 NEW	V6	Cayenne 3.2i V6 24V Eng. M02.2Y 3189 cc.	84	022 109 601H	IN	R6702/SARCR	33.2	6	136.3	I	45°
				022 109 601G	EX	R6703/SARCR	33.2	6	102.4	I	45°
				022 109 611P	EX	R6704/BMARCR	30.2	6	136.1	I	45°

RENAULT

1962	4	R4 L Dauphine - Gordini Eng. 670 - 780	54.5	5555752	IN	R1499/N	27	7	73	M	45°
				7700555263	EX	R1498/R	25	7	73.5	K	45°
1972	4	R5 - R6 850 cc.		6075981	IN	R3392/N	28	7	73	M	45°
				7700555263	EX	R1498/R	25	7	73.5	K	45°
				7701458195							
1972	4	R4 L - TL Eng. BA1 782 cc.	55.8	7700648970	IN	R1497/N	28	7	73	M	45°
				7700565824	IN	R3602/S	28	7	73	E	45°
1972	4	R4 L - TL R5 L - R6 L Eng. B1B 845 cc.	58	7700555263	EX	R1498/R	25	7	73.5	K	45°
1972	4	R4 F - FS - FSA - TL Eng. 813 852 cc. R5 GTL - GTS - TL Eng. C1C 956 cc.	61.4	7700509771	IN	R3393/N	33.5	7	89.5	M	45°
				7701458180	IN	R3589/S	33.5	7	89.5	E	45°
			65	7700505115	EX	R3394/R	30	7	89	K	45°
				7701458190							





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984	4	R5 TC Supercinq Eng. C1C A.700 956 cc.	65	7701458180 7700638247 7701460690	IN EX	R3589/S R3649/R	33.5 29	7 7	89.5 89	E K	45° 45°
1975		R6 GTL - TL R7 GTL	70								
1976		R4 GTL - GTP - TL - F4 R5 GTL - GPL									
1981		R9 C - GTC - TCE									
1983		R11 GTC - TCE Eng. C1E 1108 cc.									
1998	4	Clio 1.1 Eng. C1E.700 1149 cc.	69	7701458180 7701461802	IN EX	R3589/S R3966/R	33.5 29	7 7	89.5 89	E K	45° 45°
1997	4	Clio 1.2 i	69	7701469266	IN	R4933/S	32.8	6	106.8	E	30°
1997		Kangoo 1.2 i		7701469269	EX	R4934/R	29.9	6	106.8	E	45°
1997		Twingo 1.1 i									
1998		Kangoo Express 1.2 i Eng. 7F.700/701/702/706 720/726/730 Eng. D7F.A7/D7/G7/J7 1149 cc.									
2004	4	Clio 1.2 i 16V	69	7701472986	IN	R6177/S	26	5.5	110.7	I	45°
2001		Kangoo 1.2 i 16V		7701473004	EX	R6178/BM	22	5.5	112.5	I	45°
2001		Twingo 1.2 i 16V		8200343412							
2001		Modus 1.2 i 16V									
2001		Kangoo Express 1.2 i 16V Eng. D4F-D4F.D7 Eng. D4F.712/714/416 1149 cc.									
2007 NEW	4	Clio III 1.2 TCE 16V Modus 1.2 TCE 16V Modus II 1.2 GT/TCE 16V Twingo II 1.2 GT/TCE 16V Eng. D4F/784/786 Eng. D4F/780/782 1149 cc.	69	7701472986 7701477875	IN EX	R6177/S R6791/BMCR	26 22.10	5.5 5.5	110.7 112.6	I I	45° 45°
1984	4	R5 GL - GTL	70	7701458180	IN	R3589/S	33.5	7	89.5	E	45°
1985		Express		7701460690	EX	R3966/R	29	7	89	K	45°
1989		R5 TL - SL - Five Eng. C1E - G750 1108 cc.		7701461802							
1990	4	Clio 1.1 Eng. C1E 1108 cc.	70	7701458180 7701461802	IN EX	R3589/S R3966/R	33.5 29	7 7	89.5 89	E K	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1987 1988	4	R5 GTL - TL - TR R9 GTC - GTL - C - TC R11 GTC - TC R19 GTR - TR - TRE Eng. C1G - B530 1237 cc.	71.5	7701462137 7701460690 7701461802	IN EX	R3965/S R3966/R	34 29	7 7	91.5 89	E K	45° 45°
1969 1974	4	R12 TS R10 - R12 - R15 1289 cc.	73	7701458180 7700505115 7701458190 7701460690 7701461802	IN EX EX	R3589/S R3394/R R3966/R	33.5 30 29	7 7 7	89.5 89 89	E K K	45° 45° 45°
1976/79 1979	4	R14 GTL - L - TL - TS Eng. R1210 - R1211 1218 cc. R14 GTL - TL - GTS -TS Eng. X5J - X6J 1361 cc.	75	7701459824 7701459825	IN EX	R3627/S R3628/R	37 29	8 8	113.5 113.5	E E	30° 45°
2012 2013 NEW	3	Clio IV 0.9 Tce Captur 0.9 Tce Eng. H4B 898 cc.	75	132013562R 132025379R	IN EX	R6799/SNT R6800/RCR	26.55 23.50	5.5 5.5	100.90 101.7	I I	45° 45°
1989	4	R5 TL R19 Chamade TR Eng. C3J-E760-C710 1389 cc.	75.8	7701462385 7701461214	IN EX	R4223/SCR R4566/BMCR	34 28.8	7 7	90.5 89.3	K K	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7109390 7109410	G2571 G2572 G2573	IN/EX	41.5	7	11.13 11.18 11.23	G	L
7109390 7109410	G2571 G2572 G2573	IN/EX	41.5	7	11.13 11.18 11.23	G	L
7109390 7109410	G2571 G2572 G2573	IN/EX	41.5	7	11.13 11.18 11.23	G	L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



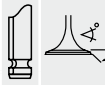



NOTE
remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1987/96	4	R19 1.2 Eng. E7F	75.8	7700273371	IN	R4574/S	37.5	7	107.8	E	30°
1990		Clio 1.2 i Eng. E7F.700/704/706 /708/720/726/730/750 Eng. E7J.601/710/711/716 /718/719 1171 cc.		7701465088 7701465090 7700865832	EX	R4575/RCR	33.6	7	107.8	E	45°
1989		R19 1.4 i Eng. E6J-E7J									
1990		Clio 1.4 i Eng. E6J.712/713/718 Eng. E5F.710/716 Eng. E7J									
1990		Express 1.4 Eng. C3J.B700									
1996		Megane 1.4 i Eng. E7J.764									
1997		Kangoo 1.4 i									
1998		Clio 1.4 i									
1998		Kangoo Express 1.4 i Eng. E7J Eng. K7J.A7/B7 Eng. K7J.700/701 1390 cc.									
1981	4	R5 GTL - TS - TX Eng. C2J	76	7701462137	IN	R3965/S	34	7	91.5	E	45°
		R9 GTL Eng. C1J-715		7700638247	EX	R3649/R	29	7	89	K	45°
		R9 GTC - GTE - GTL - R9 TL - TSE		7701460690							
1983		R11 GTL - TL Eng. C2J-717-718 1397 cc.									

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape	
			L	d	D			
	G3466	IN	42	7.01	12.05	B	C.I.	
	G3467				12.10			
	G3470	EX	49	7.01	12.05	B	C.I.	
	G3471				12.10			
		G3454	IN/EX	48	7.01	13.06	B	C.I.
		G3455				13.11		
	G3456	13.16						
7109390	G2571	IN/EX	41.5	7	11.13	G	L	
	G2572				11.18			
7109410	G2573				11.23			

PI **PUNTERIE · LIFTERS**
RA **BILANCIERI**
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I







NOTE
remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d					
							D	d	L			
1984	4	R5 GTL 1.4	76	7701462137	IN	R3965/S	34	7	91.5	E	45°	
1985		R5 GTS - TS - TSE		7701460690	EX	R3966/R	29	7	89	K	45°	
1989		R5 GTS Eng. C1J - C2J			7701461802							
1987		R9 TL - GTL										
		R11 GTL - TL - TSE										
1984		R18 TL										
1988		R19 GTR - TR										
		R19 Chamade TR - GTR Eng. C1J - C2J										
		1397 cc.										
1982		Fuego - Trafic										
1984	Express GTL Eng. 847											
	1397 cc.											
1986	4	R5 GTL - GTS - SL - TL	76	7701462385	IN	R4223/SCR	34	7	90.5	K	45°	
		R9 - R9 GTL - TSE		7701461214	EX	R4566/BMCR	28.8	7	89.3	K	45°	
		R11 - R11 TL										
1988		R19 GTR - TR Express GTL Eng. C2J - C3J										
	1397 cc.											
1985	4	R5 Supercinq - Turbo	76	7701462385	IN	R4223/SCR	34	7	90.5	K	45°	
		R9 - R11 Turbo Eng. C1J-782-760			7701463181	EX	R3649/R	29	7	89	K	45°
	1397 cc.											
1978	4	R18 GTL - TL	76	7701460699	IN	R3648/S	34	7	91.5	E	30°	
1980/82		Fuego Eng. 847			7700638247	EX	R3649/R	29	7	89	K	45°
		1397 cc.				7701460690						
1976/79	4	R17 TS	79	7701458792	IN	R3556/S	39	8	111	E	45°	
1980		R18 GTL - GTS - TS		7701458793	EX	R3557/R	34.5	8	111	E	45°	
1976		R20 GTL - L - TL										
1980		Fuego Eng. R1318 - R1328										
		1647 cc.										
1978	4	R18 GTL - GTS - TS	79	7700629763	IN	R3590/S	36	8	105	E	45°	
		Eng. A6M			7701460624							
1980		Master R - Trafic PA/TA Eng. A1M			7700639199	EX	R3591/R	31.5	8	103.5	I	45°
		1647 cc.										
1983	Fuego GTL Eng. A2M			7701460625								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Megane Scenic 1.6 i Eng. K7M.702/703/720 1598 cc.	79.5	7701465088 7701465090 7701468149	IN EX	R4574/S R4575/R	37.5 33.6	7 7	107.8 107.8	E E	30° 45°
1999	4	Clio 1.4 i 16V Eng. K4J.A7/B7/C7	79.5	7701471378 7701471379 7701473354	IN EX	R6029/S R6030/R	32.7	5.5	109.3	E	45°
2005	Clio 1.4 i 16C Eng. KL4J.GA	28					5.5	107.7	E	45°	
1996	Megane 1.4 i 16V Eng. K4J.C7/D7 Eng. K4J.714/730/750										
2004	Megane 1.4 i 16V										
2004	Modus 1.4 i 16V Eng. K4J.G7 1390 cc.										
1998	4	Clio 1.6 i 16V	79.5	7701471378 7701471379 7701473354	IN EX	R6029/S R6030/R	32.7	5.5	109.3	E	45°
2001	Kangoo 1.6 i 16V	28					5.5	107.7	E	45°	
1996	Megane 1.6 i 16V										
2001	Kangoo Express 1.6 i 16V Eng. K4M.A7/B7/G7 Eng. K4M.700										
2005	Clio 1.6 i 16V Eng. K4M.8										
1997	Laguna 1.6 i 16V Eng. K4M.D7										
2005	Laguna 1.6 i 16V Eng. K4M.57										
2002	Megane 1.6 i 16V Eng. K4M.T7/W7										
2004	Modus 1.6 i 16V Eng. K4M.7 1598 cc.										
1987	4	R5 Supercinq GT Eng. C2J - 780 1721 cc.					81	7701462137 7701460690 7701461802	IN EX	R3965/S R3966/R	34 29
1987	4	R5 GTE - Turbo Eng. C1J-784 1721 cc.	81	7701462385 7701463181	IN EX	R4223/SCR R3649/R	34 29	7 7	90.5 89	K K	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3466 G3467 G3470 G3471	IN EX	42 49	7.01 7.01	12.05 12.10 12.05 12.10	B B	C.I. C.I.
7700109151	G11238 G11239 G11240 G11471	IN/EX IN/EX	40.5 40.5	5.5 5.5	11.07 11.12 11.17 11.07	B B	L C.I.
7700109151	G11238 G11239 G11240 G11471	IN/EX IN/EX	40.5 40.5	5.5 5.5	11.07 11.12 11.17 11.07	B B	L C.I.
7109390	G2571 G2572	IN/EX	41.5	7	11.13 11.18	G	L
7109390	G2571 G2572	IN/EX	41.5	7	11.13 11.18	G	L

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555 7700107556	PI 06-0013 RA06-917	I
7700107555 7700107556	PI 06-0013 RA06-917	I


NOTE
 remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985 1984 1984 1988 1986 1987 1990 1990 1989	4	R5 1.7 R9 1.7 R11 1.7 R19 1.7 i R21 1.7 i Trafic 1.7 i Clio RT/BAC R19 Chamade GTX-TXE R21 Nevada TL - TS Eng. F1/N/F2N/F3N/F2R 1721 cc.	81	7701463081 7700713788 7701463082 7700713790	IN EX	R4221/S R4222/RCR	38.1 32.5	8 8	111.5 111.3	E E	30° 45°
1988 1990 1990	4	R19 16V Eng. F7-B R19 16V Clio 16V Eng. F7P 1764 cc.	82	7701465172 7701465173 7700747324	IN EX EX	R4600/S R4757/BMARCR R4601/BMARCR	30.7 28.6 28.6	7 7 7	107.5 108.3 109.1	E E E	45° 45° 45°
1996	4	Megane 2.0 i 16V Spider 2.0 i 16V Eng. F7R 710/712 1998 cc.	82.7	7700865550 7701468861 7700865551 7701468862	IN EX	R6290/S R6291/BM	33 28.4	7 7	107.2 108.8	E E	45° 45°
1998	4	Laguna 1.8 i 16V Megane 1.8 i 16V Eng. F4P/770/774/720/722 Eng. F4P/760/771/772/755 1783 cc.	82.7	7701471279 7701474287 7701473101 7701471280	IN EX EX	R6138/S R6139/R R6192/BM	33.4 29 29	5.5 5.5 5.5	110 109 108.9	S S S	45° 45° 45°
1998 1995/01 2001 2002 2004	4	Espace 2.0 i 16V Eng. F4R.A7/B7/T7/U7 Laguna 2.0 i 16V Eng. F4R.F7 Laguna 2.0 i 16V Eng. F4R.67/77/J7/K7 Megane 2.0 i 16V Eng. F4R Trafic 2.0 i 16V Eng. F4R.L7 1998 cc.	82.7	7701471287 7701473101	IN EX	R6138/S R6139/R	33.4 29	5.5 5.5	110 109	S S	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701452333	G2997	IN	40	8	13.15	G	L
	G2998				13.20		
7109425	G3001	EX	49	8	13.15	G	L
	G3002				13.20		
7700743529	G3590	IN/EX	39.2	7.01	12.07	B	C.I.
	G3591				12.11		
7700743529	G3590	IN/EX	39.2	7.01	12.07	B	C.I.
	G3591				12.11		
7700109151	G11238	IN/EX	40.5	5.5	11.07	B	L
	G11239				11.12		
	G11240				11.17		
	G11471	IN/EX	40.5	5.5	11.07	B	C.I.
7700109151	G11238	IN/EX	40.5	5.5	11.07	B	L
	G11239				11.12		
	G11240				11.17		
	G11471	IN/EX	40.5	5.5	11.07	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I
7700107556	RA06-917	
7700107555	PI 06-0013	I
7700107556	RA06-917	


NOTE
 remarks

RENAULT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2000	4	Avantime 2.0 i Turbo 16V Eng. F4R.N7	82.7	7701474287	IN	R6138/S	33.4	5.5	110	S	45°
2000		Clio 2.0 i Turbo 16V Eng. F4R.57/D5		7701471279	EX	R6139/R	29	5.5	109	S	45°
2002		Espace 2.0 i Turbo 16V Eng. F4R.V7/W7		7701471280	EX	R6192/BM	29	5.5	108.9	S	45°
2003		Laguna 2.0 i Turbo 16V									
2003		Megane 2.0 i Turbo 16V Eng. F4.R									
2002		Vel Satis 2.0 i turbo 16V Eng. F4R.Q7/R7 1998 cc.									
1993	4	R19 1.8 i	82.7	7701466606	IN	R4723/S	40.2	8	107	E	45°
1994/96		Laguna 1.8 i Eng. F3P 1783/1793 cc.		7701466607	EX	R4724/RCR	32.6	8	107	E	45°
1993/96	4	Laguna 2.0 i Eng. F3R.722/723									
1995/96		Espace 2.0 i									
1995/96		Megane 2.0 i Eng. F3R 1998 cc.									
1997	4	Laguna 1.8 i Eng. F3P 1783/1793 cc.	82.7	7701468960	IN	R4874/S	40.1	8	115.6	E	45°
1997		Laguna 2.0 i Eng. F3R.722/723 Megane 2.0 i Espace 2.0 i Eng. F3R.		7700112413 7701471170 7701468961	EX	R4875/RCR	32.5	8	115.4	E	45°
2001	4	Megane 2.0 16V Laguna 2.0 16V Eng. F5R740 1998 cc.	82.7	7701471780	IN	R6063/S	31.5	5.5	113.5	S	45°
				7701471781	EX	R6064/BMAR	27.3	5.5	114	S	45°
1998	4	Laguna 2.0 RXT 16V Eng. N7QD7 Safrane 2.0 RXE 16V Eng. N7QH7 1948 cc.	83	7438610007	IN	R4937/SCR	31	7	104	I	45°
				7438610008	EX	R4938/RCR	27	7	103.2	I	45°
2007	4	Laguna 2.0 i 16V	84		IN	R6603/SNT	33.9	5.5	106.3	S	45°
2008		Megane 2.0 i 16V Eng. M4R 1997 cc.			EX	R6604/RNT	27.7	5.5	105.2	S	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700109151	G11238	IN/EX	40.5	5.5	11.07	B	L
	G11239				11.12		
G11240		11.17					
	G11471	IN/EX	40.5	5.5	11.07	B	C.I.
	G11161	IN/EX	37.7	8	13.07	B	C.I.
	G11162				13.12		
	G11163				13.27		
	G11161	IN/EX	37.7	8	13.07	B	C.I.
	G11162				13.12		
	G11163				13.27		
7700114862	G11344	IN/EX	45	5.5	11.06	B	L
	G11345				11.11		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	PI 06-0013	I
7700107556	RA06-917	
7700100939	PI 03-104	M
7700100282		
7700860677		
7700100939	PI 03-104	M
7700100282		
7700860677		
7700107555	PI 06-0013	I
7700107556	RA06-917	
7431275353	PI 06-0007	I



NOTE
remarks

RENAULT





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981 1977 1986 1986 1983/91	4	R18 GTX - TX R20 LS - TS R21 GTS - RX R21 GTX - TXE - TI R25 GTS - TS Eng. R1343 - 1272 - R1277 - 1279 Eng. J6R - J7R 1995 cc. 1983 Espace 2000 GTS - TSE 1980 Fuego GTL - GTX - TX Eng. J6R 1983 Master R/Q - Trafic Eng. J5R 1991 cc.	88	7701460147 7701460148	IN EX	R3559/S R3560/R	44 38.5	8 8	112 111.5	E E	30° 45°
1986 1983/91 1983	4	R21 GTX - TXE 4X4 R25 GTX Espace GTS - GTX - XE Eng. J7L-L754 2165 cc.	88	7701460147 7701460143	IN EX	R3559/S R4638/RCR	44 38.6	8 8	112 111.4	E E	30° 45°
1987	4	R21 Turbo Eng. J7R 1995 cc.	88	7701460147 7700733512	IN EX	R3559/S R4638/RCR	44 38.6	8 8	112 111.4	E E	30° 45°
1963	4	SG 2E Super Goélette Eng. 671 2141 cc.	88	5555172 5555705	IN EX	R3000/N R3001/R	39.5 35.5	9 9	116.5 116	D A	45° 45°
1991 1992	4	Quadra Espace GTX - TXE 2000 Safrane RN Eng. J7R - J7T 1995 - 2165 cc.	88	4401465325 7701460148	IN EX	R4639/SCR R3560/R	44 38.5	8 8	112 111.5	E E	30° 45°
1991/92	4	Safrane RN/RT 12V R21 Tx1 12V Eng. J7R-734/J7R-735 Eng. J7R-754 Eng. J7T-760/J7T-761 1995 cc. 2165 cc.	88	7701465495 7701465496 7701465497	IN IN EX	R6078/S R6079/S R6080/RCR	36.4 30.4 40.4	7 7 7	111.8 111.9 112	E E E	45° 45° 45°
1992	4	Safrane 2.2 i Eng. J7T 2165 cc.	88	7701460147 7701460148	IN EX	R3559/S R3560/R	44 38.5	8 8	112 111.5	E E	30° 45°

VALVOLE ENGINE VALVES






ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1986	V6	R25 2.8 Espace 2.8 Eng. Z7W 2849 cc.	91								
	V6	Safrane 3.0 Laguna 3.0 Espace 3.0 Eng. Z7X 2975 cc.									

RENAULT DIESEL

2001	4	Clio II 1.5 Dci	76	7701473184	IN	R6185/S	33.5	6	100.95	I	45°
2004		Modus 1.5 DCI		7701473184							
2003		Megane 1.5 DCI		7701473183	EX	R6186/BM	29	6	100.75	I	45°
		Twingo 1.5 DCI		7701476572							
2004		Scenic 1.5 DCI									
2001		Kangoo 1.5 DCI Kangoo Express 1.5 DCI Eng. K9K.A7/B7/V7 1461 cc.									
2011 NEW	4	Megane III 1.6 Dci Grand Scenic III 1.6DCi Eng. R9M404 1598 cc.	79.5	132010370R 132024894R	IN EX	R6797/S R6798/BM	23.50 23.40	6 6	104.20 104.07	I I	45° 45°
1985	4	R5 GTD - SD - TD	78	7701462813	IN	R4164/S	36.3	8	111.7	E	30°
1982		R9 GTD - TDE - TD		7701462814	EX	R4165/R	31.6	8	111.3	E	45°
1983		R11 GTD - TD Eng. F8M 1595 cc.									
1990	4	Clio RL - RN	80	7701465107	IN	R4698/BM	36.2	8	111.7	E	30°
1990		R19 Chamade TD - GTD		7701462814	EX	R4165/R	31.6	8	111.3	E	45°
1989		R21 Nevada Eng. F8Q - C730 - A706 D710 1870 cc.									
1993	4	Clio RL - RN	80	7701468035	IN	R4716/S	35	8	111.6	E	45°
		R19 Chamade		7701462814	EX	R4165/R	31.6	8	111.5	E	45°
		Eng. F8Q - A706 - A744 740 - 742 - 764									
1998	4	Clio - Megane - Kangoo Eng. F8Q 620 - 630 1870 cc.									
1992/95	4	R19 1.9 TD Eng. F8Q.740/744 Up to eng. N. 930900 1870 cc.	80	7701466716 7701466717	IN EX	R4717/S R4718/R	36.2 31.6	8 8	111.7 111.7	E E	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/95	4	R19 1.9 TD Eng. F8Q.740/744 From eng. N. 930901 1870 cc.	80	7701468035 7701466717	IN EX	R4716/S R4718/R	35 31.6	8 8	111.6 111.7	E E	45° 45°
2000	4	Clio 1.9 DTI Kangoo 1.9 DTI Kangoo Express 1.9 DTI Eng. F9Q.780/782	80	7700110387 7701471702 7700110389 7701471703	IN EX	R4973/S R4974/R	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
1999/02		Espace 1.9 DTI Eng. F9Q.720/722									
2002		Espace 1.9 DCI Eng. F9Q.820/826									
2001		Kangoo 1.9 DCI Kangoo Express 1.9 DCI Eng. F9Q.790									
1997		Laguna 1.9 DTI Eng. F9Q.710/716/717/718									
2001		Laguna 1.9 DCI Eng. F9Q.750/751/752/ Eng. F9Q.754/756									
1997		Megane 1.9 DTI Eng. F9Q.730/731/734/736									
2000		Megane 1.9 DTI Eng. F9Q.740/744									
2000		Megane 1.9 DCI Eng. F9Q.732/733									
2002		Megane 1.9 DCI Eng. F9Q.800 1870 cc.									
2000	4	Master 1.9 DTI Eng. F9Q.770	80	7700110387 7701471702	IN	R4973/S	35.3	7	110.9	E	45°
2001		Master 1.9 DCI Eng. F9Q.772/774		7700110389 7701471703	EX	R4974/R	32.6	7	110.7	E	45°
2001		Trafic 1.9 DCI Eng. F9Q.760/762 1870 cc.									
1996/98	4	Clio 1.9 D Eng. F8Q.672/676/696	80	7701469369 7701462814	IN EX	R4979/BM R4165/R	35 31.6	8 8	110 111.5	E E	45° 45°
1989/98		Clio 1.9 D Clio Van 1.9 D Eng. F8Q.714/730/732 From eng. N. 930901 Up to eng. N. 990415 1870 cc.									
1996	4	Megane 1.9 TD Eng. F8Q.786 Up to eng. N. 971204 1870 cc.	80	7701469369 7701469193 7701469371	IN EX	R4979/BM R4720/BM	35 31.5	8 8	110 110.5	E E	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
7700859086	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7.01	12.07	B	C.I.
7700859086	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7.01	12.07	B	C.I.
7700107699	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
7700107699	G11161 G11162	IN/EX	37.7	8	13.07 13.12	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	PI 03-103	M


NOTE
 remarks

RENAULT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989/98	4	Clio 1.9 D	80	7701471704	IN	R6062/BM	35	8	110.1	E	45°
1989/98		Express 1.9 D		7701468190	IN	R4719/S	35	8	110.5	E	45°
		Eng. F8Q.714/730/732		7701471705	EX	R4942/BM	31.5	8	110	E	45°
		From eng. N. 990416		7701469373							
1998		Clio 1.9 D									
	Kangoo 1.9 D										
1996	Megane 1.9 D										
	Eng. F8Q.622/624										
	Eng. F8Q.630/632/662										
	From eng. N. 971204										
1994/98	Express 1.9 D										
	Eng. F8Q.640/646/648/										
	680/682/684										
	From eng. N. 970901										
	1870 cc.										
1996/98	4	Clio 1.9 D	80	7701471704	IN	R6062/BM	35	8	110.1	E	45°
		Eng. F8Q.678		7701468190	IN	R4719/S	35	8	110.5	E	45°
		Up to eng. N. 950928		7701469193	EX	R4720/BM	31.5	8	110.5	E	45°
1996		Megane 1.9 D		7701469371							
	Up to eng. N. 950828										
1996	Megane 1.9 TD										
	From eng. N. 971205										
	1870 cc.										
1980	4	R18 GTD - TD	86	7701461338	IN	R3639/S	40	8	111.5	E	45°
1979		R20 GTD - TD		7701461339	EX	R3640/BM	33.5	8	111.5	E	45°
1986		R21 GTD - TD - TDX									
1984/91		R25 GTD - TD - TDX									
1981		Master - Trafic									
1989		R21 Nevada									
		Eng. J8S - 852 - A704									
	2068 cc.										
2003	4	Scenic 2.0 DCI	84	7701476596	IN	R6574/S	27.7	6	103.9	I	45°
2003		Megane 2.0 DCI		7701476595	EX	R6575/BM	26	6	103.8	I	45°
2002		Laguna 2.0 DCI									
2002		Vel Satis 2.0 DCI									
2008		Koleos 2.0 DCI									
	Eng. M9R 700 - 740 - 760										
	Eng. M9R 780-832										
	1995 cc.										
2010	4	Master 2.3 CDTi 16V	85	4420439	IN	R6784/SNT	27.7	6	103.9	I	45°
NEW		Eng. M9T		93168105							
		2299 cc.		13201-2274R							
				7701476595	EX	R6575/BM	26	6	103.8	I	45°
		4431241									
		93161681									
1991	4	Safrane 2.1 TD	86	7701461338	IN	R3639/S	40	8	111.5	E	45°
		Eng. J8S.760		7701461339	EX	R3640/BM	33.5	8	111.5	E	45°
		2068 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700107699	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
7700107699	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	G3244	IN/EX	39	8.01	13.06	B	C.I.
7701462486	G3251 G3252	IN/EX	49	8.01	13.06 13.10	B	C.I.
	G11523	IN/EX	42.4	6	11.06	B	C.I.
	G11523	IN/EX	42.4	6	11.06	B	C.I.
7701462486	G3251 G3252	IN/EX	49	8.01	13.06 13.10	B	C.I.

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RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	RA06-929	
7701062312 7701062311	PI 06-0019 RA06-940	I
7701062312 7701062311	PI 06-0019 RA06-940	I
7946006610	RA06-929	


NOTE
 remarks

RENAULT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Espace 2.2 TD 12V Eng. G8T.714/716/718	87	7701468169	IN	R4712/S	32	7	117.5	I	45°
1994/98		Laguna 2.2 TD 12V Eng. G8T.706/752/790/ Eng. G8T.792/794		7701468170	EX	R4713/BMCR	31	7	117.5	I	45°
1996		Laguna 2.2 TD 12V Eng. G8T.760									
1997		Safrane 2.2 TD 12V Eng. G8T.740 2188 cc.									
2002	4	Avantime 2.2 DCI 16V Eng. G9T.L7	87	7701472669	IN	R6237/S	30.7	6	123.1	I	45°
2000		Espace 2.2 DCI 16V Eng. G9.TA7/J7/K7		7701472670	EX	R6238/BM	29.5	6	122.9	I	45°
2001		Laguna 2.2 DCI 16V Eng. G9T.7									
2004		Laguna 2.2 DCI 16V Eng. G9T.7/A6									
2002		Vel Satis 2.2 DCI 16C Eng. G9T.7/A6D7/E7									
2000		Master 2.2 DCI 16V Eng. G9T.C7/F7 2187 cc.									
2002	6	Espace 3.0 DCI 24V	87	7701472669	IN	R6237/S	30.7	6	123.1	I	45°
2002		Vel Satis 3.0 DCI 24V Eng. P9X.A7 2958 cc.		7701472670	EX	R6238/BM	29.5	6	122.9	I	45°
2003	4	Trafic 2.5 DTI 16V Eng. G9U.B7	89	7701472669	IN	R6237/S	30.7	6	123.1	I	45°
2001		Master 2.5 DTI 16V Eng. G9U.A7 2463 cc.		7701472670	EX	R6238/BM	29.5	6	122.9	I	45°
1981	4	Master R/Q Eng. 8140 2445 cc. Up to Eng. n. 162067 2445 cc.	93	7701462677	IN	R4504/BMNT	40.9	8	121.9	EE	30°
				7701462679	EX	R3597/BMNT	32.9	8	122	EE	45°
1981	4	Master R/Q Eng. 8140 From Eng. n. 162068 Up to Eng. n. 152000 Trafic Eng. SU8 Up to Eng. n. 452000 2445 cc.	93	7701462678	IN	R3642/BMNT	41	8	120.9	EE	30°
				7701462679	EX	R3597/BMNT	32.9	8	122	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11354 G11355	IN EX	42 49	7 7	12.04 12.04	B B	C.I. C.I.
8200562080	G11356	IN/EX	50	6	11.05	B	C.I.
8200562080	G11356	IN/EX	50	6	11.05	B	C.I.
8200562080	G11356	IN/EX	50	6	11.05	B	C.I.
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700858606 77008586805	PI 06-0023 RA06-918	I
	PI 06-0038 RA06-930	I
	PI 06-0038 RA06-930	I
	PI 03-101	M
	PI 03-101	M



NOTE
remarks

RENAULT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981	4	Master R/Q Eng. 8140 Trafic Eng. SU8 From Eng. n. 452001 2445 cc.	93	7701463603 7701462679	IN EX	R3989/RNT R3597/BMNT	41	8	120.7	EE	30°
							32.9	8	122	EE	45°
1992/93	4	Safrane 2.5 TD Eng. 8144.97 Up to Eng. n. 1619921 2499 cc.	93	7701463603 7701203675	IN EX	R3989/RNT R3990/RCR	41	8	120.7	EE	30°
							34.5	8	122	EE	45°
1993	4	Safrane 2.5 TD Eng. 8144.97-S9U From Eng. n. 1619922 2499 cc.	93	7701467250 7701467249	IN EX	R4714/BMCR R4715/BMCR	40.8	8	120.7	EE	30°
							36.7	8	122	EE	45°
1996 1999	4	Master 2.8 TD Eng. S9W.700 Mascott 2.8 TD Intercooler Eng. 8140.43B-C-S-N 2798 cc.	94.4	7301820 99432837	IN EX	R3989/RNT R4887/BMCR	41	8	120.7	EE	30°
							36	8	122	EE	45°
2004 2003	4	Mascott 3.0 DCI 16V Master 3.0 DCI 16V Eng. ZD3.A600/A604 2953 cc.	96	7701475382 7701475381	IN EX	R6282/SCR R6283/RCR	32	7	113.4	E	45°
							30	7	113.4	E	45°

R.V.I.

1986	4	B 90 Eng. 8140.21 2445 cc.	93	7301820 4826033	IN EX	R3989/RNT R3990/RCR	41	8	120.7	EE	30°
							34.5	8	122	EE	45°
	4	Mascott 110.50/60 Mascott 130.55/65 Eng. 8140.43 2798 cc.	94.4	7701030863 5001836573	IN EX	R4762/BMCR R4887/BMCR	43.5	8	122	EE	45°
							36	8	122	EE	45°
1968 1972	4	Super Galion Suprer Goèlette Eng. 712 3317 cc. SG 5/5C Eng. 720 3593 cc.	98 102	5000044579 5000044429 5000044581	IN EX	R4064/RCR R4065/RCR	46	10	140.2	E	45°
							39	10	140.3	E	45°
1981	6	Eng. 798 Turbo Eng. MIDR 602.12 Turbo 5496 cc.	102	5000676255 5000676254	IN EX	R4373/BMCR R4374/BMCR	45.8	10	140.2	E	30°
							38.9	10	140.2	E	45°
1989	6	Eng. MIDR 602.26 Turbo 6180 cc.	102	5000667762 5000676258	IN EX	R4710/BMCR R4711/BMCR	46.6	10	140.2	E	30°
							40.6	10	140.2	E	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834 G2269 G2270	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
	G11346 G11347	IN/EX	45	7	11.04 11.09	G	L-X-U
4749395 4749397	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
	G2713 G2834	IN/EX	56	8.03	13.03 13.08	G	C.I.
5000684383 5000684384	G11359 G11360	IN EX	78 67	10.02 10.02	16.02 16.02	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 03-101	M
	PI 03-101	M
	PI 03-101	M
	PI 03-101	M
4733350	PI 03-101	M
	PI 03-101	M





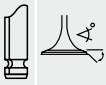
NOTE
remarks

RENAULT DIESEL

R.V.I.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				E	°
							D	d	L			
1999	4	Midlum 135 Eng. MIDR 04.02.26.A4 4118 cc.	102	5000676035	IN	R6292/BMCR	46.6	10	140.1	E	30°	
		5010450589		EX								R6293/BMCR
		5000667939										
	Midlum 150 Eng. MIDR 04.02.26.B4 4118 cc.	5010450590										
	6	Premium 250 Eng. MIDR 06.02.26.Y41 6177 cc.										
		Premium 210 Eng. MIDR 06.02.26.W4 6177 cc.										
1957/77	4	Eng. M 420 6328 cc.	120	322894	IN	R3789/S	54.5	12	189.5	E	45°	
1962/76	5	Eng. M 520 7917 cc.		151631								EX
	6	Eng.M. 620 9500 cc. Spessore testa maggiorato 1 mm.		5000143582	IN	R4133/S	54.5	12	189.5	E	45°	
				322827								
				151633	EX	R4041/BMCR	50.5	12	189.5	E	45°	
		5000139451										
		322895										
		151632										
		5000143583										
		322828										
		151634										
		5000139452										
1975	6	Eng. MID 620.30 8820 cc. Spessore testa maggiorato 1 mm.	120	153694	IN	R3793/SCR	54	9	163	E	45°	
				153692	EX	R3794/BMCR	48	9	163	E	45°	
				5000663469	IN	R4042/SCR	54	9	163	E	45°	
				771090	EX	R4043/BMCR	48	9	163	E	45°	
		771092										
		5000663470										
1977	6	Eng. MIDS 620.30 Turbo 8820 cc.	120	771523	IN	R3979/BMCR	54	9	163	E	30°	
				5000663467								
1983	6	Eng. MIDR 620.45 Turbo 9839 cc. Spessore testa maggiorato 1 mm.	120	5000681141	EX	R3794/BMCR	48	9	163	E	45°	
				5010295349								
				5000670121	IN	R4235/BMCR	54	9	163	E	30°	
				5000670206								
				5000663527	EX	R4043/BMCR	48	9	163	E	45°	
				5000658409								
5000663530												
771092												
5000663470												
5000663528												

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
5000684383 5000684384	G11359 G11360	IN EX	78 67	10.02 10.02	16.02 16.02	G G	C.I. C.I.
5010248411	G11242	IN/EX	105	12.03	20.04	G	L
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.
157983	G3325 G3326	IN/EX	78	9.04	17.03 17.08	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



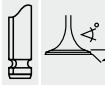


NOTE
remarks

R.V.I.

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	6	Premium 300 Eng. MIDR 06.20.45.D41 Premium 260 Eng. MIDR 06.20.45.C4 9839 cc.	120	5000681141 5000670206	IN EX	R3979/BMCR R3794/BMCR	54 48	9 9	163 163	E E	30° 45°
1996	6	Premium 385 Eng. MIDR 06.23.56.A41 11121 cc. Premium 400 Eng. MIDR 06.23.56.B41 11121 cc.	123								
1974	6	Eng. D 2356 HM 6DK 10350 cc.	123	5000046569 5000046570	IN EX	R4582/BMCR R4583/BMCR	56.9 51.9	12 12	148.9 148.5	E E	45° 45°
1970/72	8	Eng. 125.30 V825 - V835 - Spessore testa maggiorato 1 mm.	125	158601 323571 323644 5000659734 158602 5000659735	IN EX IN EX	R3980/BMCR R3981/RCR R4140/BMCR R4141/RCR	45 39 45 39	9 9 9 9	153 153 153 153	E E E E	45° 45° 45° 45°
1964/73	6	Eng. MID 634.40 12024 cc.	135	323107 5000659016 5000146780 323109 5000659407 5000659741	IN EX	R3978/BMCR R3788/BMCR	60 54	12 12	189 189	E E	45° 45°
1980/87 1983/87 1980/87	6	Eng. MDR 635.40 Turbo Eng. MIDR 635.40 Turbo Eng. MIDS 635.40 Turbo 12024 cc.	135	5000659584 5000659739 5000659284 5000659741 5000659407	IN EX	R3787/BMCR R3788/BMCR	60 54	12 12	189 189	E E	30° 45°
1978	V8	Eng. MIVR 835.30 Turbo 14886 cc.	135	5000659737 5000659626 323644 5000659734 5000659732	IN EX	R3982/RCR R3981/RCR	48 39	9 9	153 153	E E	30° 45°
	8	Magnum Mack Engine AE 500 - 520	136.5	50000824990 50000824991	IN EX	R6199/BMARCR R6200/BMCR	45 42	9.4 9.4	173.9 173	M M	20° 30°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1967	4	Mini			IN EX	R3774/S R3780/R	28 27	7.1 7.1	87 87	EE EE	45° 45°
1983	4	Austin Metro 1300 Maestro 1300 M.G. Metro 1300 Montego 1300 1275 cc.	70.612	TAM1059 TAM1061	IN EX	R4420/S R4421/RCR	35.7 29.3	7.1 7.1	90.7 90.7	I I	45° 45°
1984	4	213 S - SE Eng. Honda EV 3 Valve 1342 cc.	74	DBP9319 DPB9320	IN EX	R4522/SNT R4523/RNT	27 32	6.6 6.6	112.8 113.8	E E	45° 45°
1990/98 1998/00	4	111 1.1 i 211 1.1 i Eng. 11K 1113 cc.	75	WAM4002 WAM4003	IN EX	R4840/SNT R4841/RARNT	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1995 1993	4	114 1.4 i 214 1.4 i Eng. 14K2 1396 cc.	75	WAM4002 WAM4003	IN EX	R4840/SNT R4841/RARNT	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1999 1999 1989 1990 1990	4	75 1.4 i 16V 45 1.4 i 16V 214 1.4 i 16V Eng. 14K4F/M-14K16 114 1.4 i 16V 414 1.4 i 16V Eng. 14K4C/D/F 1396 cc.	75	LGH10029 LGH100820	IN EX	R4816/SNT R4817/RARNT	27.7 24	6 6	89.6 90	S S	45° 45°
1990	4	216 GSi - GTI 16V 416 GSi - GTI 16V Eng. D16A7 1590 cc.	75	FDU1485 FDU1487	IN EX	R4844/SNT R4845/RNT	29 25	5.5 5.5	115 118.8	E E	45° 45°
2003 2004	4	Streetwise 1.4 i 16V Cityrover 1.4 i 16V Eng. 14K4M - 14K4FM	75	LGH10029 LGH100820	IN EX	R4816/SNT R4817/RARNT	27.7 24	6 6	89.6 90	S S	45° 45°
2000 1995/99 1995/99 1995 1995	4	25 1.6 i 16V 45 1.6 i 16V 216 1.6 i 16V 416 1.6 i 16V Eng. 16K4-K16 216 1.6 i 16V 416 1.6 i 16V From eng. N. 100001 1588 cc.	80	LGH101310 LGH101330	IN EX	R6115/SNT R6116/RNT	30 26	5.5 5.5	118.6 116	E E	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
12G1111	G2772 G2773 G2774	IN/EX	43	7.13	11.95 12.00 12.05	G	L
DBP 9272 DBP 9273	G3261 G3262	IN EX	50 56	6.57 6.57	12.09 12.09	G G	L-X L-X
WAM 4227	G11170 G11171	IN/EX	32	7.01	12.05 12.10	G	L
WAM 4227	G11170 G11171	IN/EX	32	7.01	12.05 12.10	G	L
WAM 1452	G3483	IN/EX	30	5.99	9.85	G	L
FDU 1256 FDU 1260	G3571 G11092 G3572 G11093	IN EX	47.5 54	5.50 5.50	11.06 11.11 11.06 11.11	G G	L L
WAM 1452	G3483	IN/EX	30	5.99	9.85	G	L
FDU 1256 FDU 1260	G3571 G11092 G3572 G11093	IN EX	47.5 54	5.50 5.50	11.06 11.11 11.06 11.11	G G	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I
LGR100100	PI 06-0005	I

 NOTE
remarks

ROVER


VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	218 1.8 i 16V 418 1.8 i 16V 25 1.8 i 16V Eng. 18K4K 1796 cc.	80	LGH10064 LGH10065 LGH101360	IN EX	R6117/SNT R6118/RNT	31.6 27.4	6 6	89.6 90	S S	45° 45°
2000 1999	4	25 1.8 i 16V 45 1.8 i 16V 75 1.8 i 16V Eng. 18K4F 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	R4816/SNT R6118/RNT	27.7 27.4	6 6	89.6 90	S S	45° 45°
1999 1999	V6 V6	45 2.0 i V6 24V 75 2.0 i V6 24V Eng. 20K4F 1997 cc. 75 2.5 V6 825 2.5 i V6 24V Eng. 25K4F 2497 Cc.	80	LGH10064 LGH10065	IN EX	R6117/SNT R6118/RNT	31.6 27.4	6 6	89.6 90	S S	45° 45°
1978/82 1978/84 1982 1978/82 1979/80 1980/82 1984	4	Princess 1700 Sherpa 200 - 230 - 250 Ambassador 1700 1695 cc. Princess 2000 1993 cc. Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350 Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350 Maestro 2000 Montego 2000 1993 cc.	84442	UAM7713 CAM1235 CAM7488 CAM1236 UAM2063	IN EX	R4416/S R4417/RCR	40 34.1	7.4 7.4	97.3 97.3	EE EE	45° 45°
1985	4	M.G. Montego - Turbo 1993 cc.	84.442	UAM7713 UAM2372	IN EX	R4416/S R4418/RCR	40 34.1	7.4 7.4	97.3 98.1	EE I	45° 45°
1996 1992/99	4	420 2.0 i 16V VVC Eng. 20T4H 820 2.0 i 16V Turbo Eng. T16.4 1996 cc.	84.5	LGH10020 LGH101060 LGH10049 LGH101140 LGH101000	IN EX	R4846/SCR R4847/RARCR	31.8 29.3	7 7.1	110.8 110.8	EE EE	45° 45°
1993	4	620 2.0 i 16V Eng. F20ZI/Z2 1997 cc.	85								

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1992/94	4	115 Metro 1.5 D Eng. TUD5 1527 cc.	75		IN EX	R4412/S R4413/RCR	35.5	7	108.4	E	45°
							30.6	7	108.2	E	45°
1994/98	4	115 Metro 1.5 D Eng. TUD5 1527cc.	77		IN EX	R4821/S R4822/RCR	37	7	108.4	E	45°
							31.5	7	108.1	E	45°
1991	4	Rover 218 - 418 SLD Eng. XUDT TE Turbo 1769 cc.	80	LGH10051 LGH10052	IN EX	R4883/RCR R3988/RCR	38	8	112.4	E	45°
							33	8	112	E	45°
1991	4	Rover 218-418 Eng. XUD9 A 1905 cc.	83	LGH10053 LGH10054	IN EX	R4243/SCR R3988/RCR	38	8	112.4	E	45°
							33	8	112	E	45°
1986/92	4	Maestro Clubman DLX Maestro Van 800 D Eng. Prima 65 Montego 2.0 DL/DSL 800 TD Eng. Prima 80T- Turbo 1994 cc.	84.4	BDU1399 BDU1400	IN EX	R4926/SNT R4927/RNT	37.2	7.42	93.8	EE	45°
							33.6	7.40	93.8	EE	45°
2000	4	25 2.0 TDI 16V 45 2.0 TDI 16V	84.5	LGH100990 LGH100980	IN EX	R6119/SNT R6120/RNT	37.2	7	86.7	EE	45°
							32.5	7	86.7	EE	45°
1996		220 2.0 TDI 16V									
		420 2.0 TDI 16V									
		620 2.0 TDI 16V									
2004	4	Stretwise 2.0 TDI Eng. 20T2N 1994 cc.									
1999	4	75 2.0 CDTI 16V Eng. M47R-204D2/D4 1951 cc.	84.5	LGH101450	IN/EX	R6088/BMCR	26	6	100	I	45°
1983/84	4	Sherpa 285 - 310 - 350 Eng. 2.5I 2520 cc.	90.745	527240 550198	IN EX	R3053/S R3054/XB	39.5	7.9	116.5	EE	45°
							33.5	8.7	117	EE	45°
1984	4	Sherpa 285 - 310 - 350 Eng. 2.5I 2520 cc.	90475	ERC9739 ERC9738	IN EX	R4281/SCR R4282/RCR	39.3	8	116.7	I	45°
							33.5	8.7	117	I	45°
1990	4	825D - SD - SDL Eng. VM84A-Turbo 2498 cc.	92	AEU2296L LGH10041	IN EX	R3598/RCR R3599/RCR	40	8	121	E	35°
							33.9	8	121	E	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3332	IN	40.2	7	13.07	B	C.I.
	G3336	EX	43	7	13.07	B	C.I.
	G3555	IN	40.2	7	13.07	B	C.I.
	G3557	EX	43	7	13.12	B	C.I.
	G3556				13.07		
	G3558				13.12		
	G3528	IN/EX	48	8.02	14.05	B	C.I.
	G11025				14.10		
	G3528	IN/EX	48	8.02	14.05	B	C.I.
	G11025				14.10		
CAM 5821	G3138	IN/EX	39	7.46	12.06	G	L
	G3322				12.11		
LG5100510	G11329	IN/EX	28.5	6.95	12.07	G	L
	G11313	IN/EX	39	6	11.54	B	L
	G11314				11.59		
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F
605482-568688	G2585	IN	46.5	7.94	13.55	G	F
605483-568689	G2586	EX	57	8.72	14.35	G	F
60507152	G11177	IN/EX	55	8	14.05	G	L
	G11178				14.09		

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 03-105	M
	PI 03-105	M
LGR100480L	PI 06-0019	I
LXC000010	RA06-942	
LXC100090		
STC4532		


NOTE
 remarks

ROVER DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.			
							D	d	L	

RUGGERINI

	1	Motore RD 80		960/022	IN/D	MI5106/NCR	30.5	9	105	E	45°
				960/023	EX	MI5107/R	30.5	9	105	E	45°
	1	Motore RD 85		960/16	IN/D	MI5116/NCR	35	9	105	E	45°
				960/15	EX	MI5117/R	35	9	105	E	45°
	1	Motore PD 90		960/19	IN/D	MI5118/NCR	37	9	105	E	45°
				960/15	EX	MI5117/R	35	9	105	E	45°
	1	Motore CRD 95		960/13	IN/D	MI5119/NCR	37.8	9	119	E	45°
				960/18	EX	MI5120/R	37.8	9	119	E	45°
	1	Motore RD 100		960/17	IN/D	MI5121/NCR	41	9	119	E	45°
				960/18	EX	MI5120/R	37.8	9	119	E	45°
	3	MD 300 - MD 350		960/58	IN	MI5156/S	37.5	7	84.5	E	45°
				960/59	EX	MI5157/RNT	33	7	84.5	E	45°
	1/2	MD 75 - 85 - 95 MD 150		960/53	IN	MI5158/S	35	7	84.5	E	45°
				960/54	EX	MI5159/RNT	31	7	84.5	E	45°
	1	RF 91 - 120 - 140		960/56	IN	MI5160/S	39	7	95	E	45°
				960/55	EX	MI5161/RNT	36	7	95	E	45°
	1/2	RF 80 - 90 RD 180		960/49	IN	MI5162/S	33	7	95	E	45°
				960/50	EX	MI5163/RNT	30	7	95	E	45°
	2	RD 220 - 240 - 270		960/57	IN/EX	MI5164/RNT	37	7	105	E	45°

SAAB

2004	4	9-3 1.8 i 16V Eng. Z18XE 1796 cc.	80.5		IN	R6051/SCR	31.2	5	101.3	I	45°
					EX	R6052/BMARCR	27.5	5	100.7	I	45°
1993	V6	900 2.5 i V6 24V Eng. B258 2498 cc.	81.6	4500849 4500864	IN	R4649/SCR	32	6	102.1	I	45°
					EX	R4650/BMCR	29	6	92.2	I	45°
09/02	4	9.3 Sport Sedan 2.0 T Eng. B207R 1998 cc.	86	12786696 12791961	IN	R6310/SCR	35.1	6	102.2	I	45°
					EX	R6311/BMCR	30.1	6	101	I	45°
1998 1994	V6	9-5 3.0 i V6 24V 9000 3.0 i V6 24V Eng. B308i 2961 CC.	86	4500849 4500864	IN	R4649/SCR	32	6	102.1	I	45°
					EX	R4650/BMCR	29	6	92.2	I	45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G2591	IN	45	9.04	15.03	G	L
	G2592				15.08		
	G2593	EX	45	9.06	15.03	G	L
	G2594				15.08		
	G2591	IN	45	9.04	15.03	G	L
	G2592				15.08		
	G2593	EX	45	9.06	15.03	G	L
	G2594				15.08		
	G2591	IN	45	9.04	15.03	G	L
	G2593	EX	45	9.06	15.03	G	L
	G2587	IN	55	9.04	15.03	G	L
	G2588				15.08		
	G2589	EX	55	9.06	15.03	G	L
	G2590				15.08		
	G11357	IN/EX	39	7	13.05	G	C.I.
	G11357	IN/EX	39	7	13.05	G	C.I.
	G11358	IN/EX	45	7	13.05	G	L
9158569	G13598	IN/EX	39	5	10.05	G	C.I.
	G11156				10.10		
	GS13598	IN/EX	39	5	10.05	SM	C.I.
	G3511	INEX	45	6	10.05	G	C.I.
	G11150				10.10		
	G11151				10.15		
	G11379	IN/EX	36	6	10.04	G	L
	G11380				10.09		
	GS11379	IN/EX	36	6	10.04	SM	L
	G3511	INEX	45	6	10.05	G	C.I.
	G11150				10.10		
	G11151				10.15		
	GS3511	INEX	45	6	10.05	SM	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	PI 06-0010	I
640003	PI 06-0010	I
640003	PI 06-0010	I



NOTE
remarks

RUGGERINI

SAAB

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984/88	4	900 16 Turbo 9000 Turbo 9000 i 900 16i S - XS - SE Turbo Eng. B202 Si 1985 cc.	90	7562002	IN	R4910/SCR	32	7	108.3	I	45°
				7500085	EX	R4911/RARCR	29	7	108.3	I	45°
1992	4	9000 2.0 i Turbo 16V Eng. B204	90	9165580	IN	R6286/SCR	33	7	107.8	I	45°
1993		9000 2.0 i 16V		9165598	EX	R4911/RARCR	29	7	108.3	I	45°
1998		900 2.0 i 16V		7500085							
1993 1998		9-3 2.0 i Eng. B204i-B206i 900 2.0 i Turbo 16V 9-3 2.0 i Turbo 16V Eng. B204L 1985 cc.									
1989	4	9000 2.3 i 16V	90	9165580	IN	R6286/SCR	33	7	107.8	I	45°
1993		900 2.3 i 16V		9165598	EX	R4911/RARCR	29	7	108.3	I	45°
1998		9-3 2.3 i 16V Eng. B234i 2290 cc.		7500085							
1998	4	9-5 Eng. B205E 1985 cc.	90	9185851	IN	R6288/SCR	33	5	107.5	I	45°
1998		9-5 2.3 Eng. B235R - B253L 2290 cc.		9399965	EX	R6289/RARNT	29	5	108	I	45°
SAAB DIESEL											
2003	4	9-3 1.9 TiD Eng. Z19DT 1910 cc. (120CV)	82	641083	IN	R4941/BMCR	35.5	8	115.2	I	45°
				641089	EX	R4943/BMCR	34.47	8	115.1	I	45°
2004	4	9-3 1.9 TiD 16V Eng. Z19DT/DTH 1910 cc.	82		IN	R6203/SCR	28	6	114.4	I	45°
					EX	R6204/BMCR	26	6	114.4	I	45°
2006	4	9-5 1.9 TiD 16V Eng. Z19DHT 1910 cc.	82	82	IN	R6203/SCR	28	6	114.4	I	45°
					EX	R6204/BMCR	26	6	114.4	I	45°
1998	4	9-3 2.2 TDI 16V Eng. D223L (X22TDH) 2172 cc.	84	4772380	IN	R4884/BMCR	29	6	97.1	I	45°
				4772414	EX	R4885/BMARCR	26	6	97	I	45°
2001	V6	9-5 3.0TiD V6 24V Eng. Y30DT 2958 cc.	87.5		IN	R6318/RNT	27.5	6	98.5	S	45°
					EX	R6319/RARNT	26.5	6	98.10	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7560154	G3486 G3487	IN/EX	49.5	7	12.05 12.10	G	C.I.
9185612	G11274	IN/EX	43	7	12.05	G	C.I.
7560154	G3486 G3487	IN/EX	49.5	7	12.05 12.10	G	C.I.
9185612	G11274	IN/EX	43	7	12.05	G	C.I.
7560154	G3486 G3487	IN/EX	49.5	7	12.05 12.10	G	C.I.
9399957	G11209	IN/EX	42.8	5	12.05	G	C.I.
7565472	G11000	IN/EX	43	8.02	14.03	G	C.I.
46433782	G11018				14.06		
46433783	G11019				14.11		
	GS11000	IN/EX	43	8.02	14.03	SM	C.I.
55186786	G11302	IN/EX	47	6.02	11.03	G	C.I.
	G11303				11.06		
	GS11302	IN/EX	47	6.02	11.03	SM	C.I.
55186786	G11302	IN/EX	47	6.02	11.03	G	C.I.
	G11303				11.06		
	GS11302	IN/EX	47	6.02	11.03	SM	C.I.
	G3511	IN/EX	45	6	10.05	G	C.I.
	G11150				10.10		
	G11151				10.15		
642060	G11503	IN/EX	42	6	11.05	G	L-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9169566 9186073 9189566	PI 06-0021	I
9169566 9186073 9189566	PI 06-0021	I
9169566 9186073 9189566	PI 06-0021	I
9169566 9186073 9189566	PI 06-0021	I
4152447	PI 03-102	M
46475925 46764765 55200333	PI 06-0019 RA06-903 RA06-901	I
46475925 46764765 55200333	PI 06-0019 RA06-903 RA06-901	I
	PI 06-0010*	I


 NOTE
remarks

SAAB

SAAB DIESEL





RA06-903
55X17R17X10
RA06-901
57X17R17X10

RA06-903
55X17R17X10
RA06-901
57X17R17X10

***PI 06-0010**
until year 2003

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		

SAME TRACTORS

		952V - 954V		29219	IN	MI3094/S	37	9	125	E	45°
				29220	EX	MI3095/XB	37	9	125	E	45°
		ARITE DA1152 1153		29136	IN	MI3347/S	44	10	123	E	45°
				29137	EX	MI3348/XB	44	10	123	E	45°
		MINITAURO		029.1420.0	IN	MI3271/S	39.5	9	133	E	45°
				029.1421.0	EX	MI3272/XB	37	9	133	E	45°
		SAMETTO - ITALIA		00292190.31	IN	MI3285/SNT	39.5	9	125	E	45°
		ATLANTA 45 - BUFALO		0029219011	IN	MI3487/SNT	37.5	9	125	E	45°
		CENTAURO		002414210	EX	MI3286/XBNT	37.5	9	125	E	45°
		ARIETE		01614200	IN	MI3287/SNT	48	10	135	E	45°
				01614210	EX	MI3288/BMNT	44	10	135	E	45°
		DRAGO 100		071.1420.2/01	IN	MI3784/BMCR	42	8	148	E	45°
		MINITAURO 60		071.1421.2	EX	MI4029/BMCR	37	8	148	E	45°
		SATURNO 80									
		LASER 90		062.1420.2/10	IN	MI3783/BMCR	44.4	8	148	E	30°
		LEOPARD 90		071.1420.2/01	EX	MI3784/BMCR	42	8	148	E	45°
		TRIDENT 130		062.1420.0/12	IN	MI3968/BMCR	44	8	148	E	45°
				071.1420.2/01	EX	MI3784/BMCR	42	8	148	E	45°
		CENTURION 75		042.1420.2/01	IN	MI3782/BMCR	44	8	148	E	45°
		DRAGO 120		071.1420.2/01	EX	MI3784/BMCR	42	8	148	E	45°
		LASER 90 - 100 - 110									
		PHANTER 95									
		SOLAR 60									
		CENTAURO 70		071.1420.2/01	IN/EX	MI3784/BMCR	42	8	148	E	45°
		CONDOR 55									
		CORSARO 70									
		LASER 100									
		TIGER 105									
		R1056									
		GALAXI 170		074.1420.2	IN	MI4204/BMCR	42.5	9	148	E	30°
		LASER 150		074.1421.2	EX	MI4205/BMCR	37	9	148	E	45°
		TIGER 105		052.1420.0/01	IN	MI3395/SNT	42	9	148	E	45°
				039.1420.2/01	IN	MI3708/SNT	42	9	148	E	45°
				047.1421.0/10	EX	MI5182/RCR	40	9	148	E	45°
		AURORA 45		052.1420.0/01	IN	MI3395/SNT	42	9	148	E	45°
		BUFALO 120 - 130		039.1420.2/01	IN	MI3708/SNT	42	9	148	E	45°
		CENTAURO 70 - 75		039.1421.0/02	EX	MI3457/RNT	39.8	148	E	45°	
		CONDOR 55 - 70									
		DRAGO 100									
		FALCON 50									
		LEOPARD - PANTHER									
		SATURNO									
		HERCULES 160		052.1420.0/01	IN	MI3395/SNT	42	9	148	E	45°
				052.1421.0	EX	MI3967/RNT	37	9	148	E	45°
		EXPLORER 55		066.1420.0	IN	MI3785/SNT	43	9	131	E	45°
				066.1421.0	EX	MI3786/BMNT	39.5	9	130.5	E	45°

VALVOLE ENGINE VALVES






ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
		ANTARES 100 - 130 ARGON 70 EXPLORER 90 FRUTTETO 85 SILVER 80		VERSIONE ASPIRATO 078.1420.0 066.1421.0 VERSIONE TURBO 081.1420.0/01 066.1421.0	IN EX IN EX	MI4206/SNT MI3786/BMNT MI4203/SARNT MI3786/BMNT	44 39.5 44.2 39.5	9 9 9 9	130 130.5 130 130.5	E E E E	30° 45° 30° 45°
		ANTARES 110 ARGON 50 ASTER 60 EXPLORER 60 - 70 - 80 FRUTTETO 60		010.6016.0 066.1421.0	IN EX	MI5186/BMNT MI3786/BMNT	44 39.5	9 9	131 130.5	E E	30° 45°
		ANTARES 130 ARGON 70 EXPLORER 90 GOLDEN 65		010.6017.0 010.6022.0	IN EX	MI5187/SARCR MI5188/BMCR	44 39.5	9 9	130.5 130.5	E E	30° 45°
		TITAN 145 - 160 - 190 RUBIN 160		007.1146.0/11 007.1147.0/12	IN EX	MI5171/SARCR MI5172/BMCR	44 39.5	9 9	130 130	E E	30° 45°

SCANIA

1950/73	4	Eng. D420 5650 cc.	115	215715 168843	IN EX	R4866/SCR R6057/RCR	50 42	11 11	169 169	S S	30° 30°
1950		Eng. D440 6230 cc.		243648	EX	R4867/RCR	42	11	169	S	45°
1950	6	Eng. D610 - D620 8470 cc.									
1954/61		Eng. D630 9350 cc.									
1967		Eng. D8 7790 cc.									
1950/60	8	Eng. D810 11300 cc.									
1985	6	Eng. DS9 Eng. DSC9 8471 cc.	115	1319081 391608 1360833 366256 278102	IN EX	R6364/RCR R6365/RCR	51 44	11 11	162.5 162.5	S S	20° 45°
1958/68	6	Eng. D10 10260 cc. Eng. DN11 Up to Eng. N. 5220093 11015 cc.	127	272803 1361189 232018 1360834 243477	IN EX EX	R3743/SCR R3744/RCR R3742/RCR	54 45 44	11 11 11	162.5 162.5 162.5	S S S	30° 45° 30°
	6	Eng. DN11 From Eng. N. 5220094 11015 cc.	127	352211 232018 1360834	IN EX	R6047/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	20° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1958/68	6	Eng. DS10 Turbo 10260 cc.	127	272804	IN	R3741/SCR	54	11	162.5	S	30°
1968		Eng. DS11 Turbo Up to Eng. N. 5220093 11015 cc.		1361190 232018 1360834	EX	R3744/RCR	45	11	162.5	S	45°
1969	6	Eng. DS11 Turbo From Eng. n. 5220094 11015 cc.	127	294674 1360836 232018 1360834	IN EX	R4371/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	20° 45°
1968/81	6	Eng. DS11 Turbo 11015 cc.	127	270247 1361192 232018 1360834	IN EX	R4106/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	30° 45°
1981	6	Eng. DS11 Turbo 11015 cc.	127	324675 1361191 232018 1360834	IN EX	R4130/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	20° 45°
1968/81	V8	Eng. DS14 Turbo With valve Rotator 14181 cc.	127	270247 1361192 232018 1360834	IN EX	R4106/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	30° 45°
1981	V8	Eng. DS14 Turbo With valve Rotator 14181 cc.	127	324675 1361191 232018 1360834	IN EX	R4130/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	20° 45°
1968/81	V8	Eng. DN14 Eng. DS14 Turbo Up to Eng. N. 5504735 14181 cc.	127	272804 1361190 243477	IN EX	R3741/SCR R3742/RCR	54 44	11 11	162.5 162.5	S S	30° 30°
1981	V8	Eng. DN14 Eng. DS14 Turbo From Eng. n. 5504736 14181 cc.	127	294674 1360836 243477	IN EX	R4371/RCR R3742/RCR	54 44	11 11	162.5 162.5	S S	20° 30°
1995	8	Eng. DSC 14.13.530 Euro 2 14181 cc.	127	294674 232018 352347 1100997 1360834 1397521	IN EX	R4371/RCR R3744/RCR	54 45	11 11	162.5 162.5	S S	20° 45°
1996	6	Eng. DSC 11.89 Turbo Eng. DSC/DSI 12 Turbo 11700 cc.	127	1333230 1477022 1328537 1445830	IN EX	R6434/BMCR R6435/BMARCR	44 41	10 10	171.5 171.5	S S	20° 45°
2007 NEW	6	Eng. DC12 F6 420 HP 11700 cc.	127	1886946 1778492 1781847	IN EX	R6696/BMCR R6697/BMARCR	44 41	10 10	171.5 171.5	A A	20° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001	6	Eng. DT12 24V Turbo 11700 cc.	127	1333230	IN	R6434/BMCR	44	10	171.5	S	20°
				1477022	EX	R6435/BMARCR	41	10	171.5	S	45°
2000	V8	Eng. DC163 2V Turbo 15600 cc.	127	1333230	IN	R6434/BMCR	44	10	171.5	S	20°
				1477022	EX	R6435/BMARCR	41	10	171.5	S	45°

SEAT

1984	4	Marbella LS-GLS Eng. 100 GL6.000 843 cc.	65	4265695	IN	R3561/SCR	29	7	95.5	EE	45°						
				4266321	EX	R3359/SCR	26	7	95.5	I	45°						
				4377979	EX	R3551/SCR	26	7	95.5	EE	45°						
1982	4	Marbella LS-GLS-GLX	67.1	030 109 601AG	IN	R4964/S	31	7	94.8	I	45°						
1984		Fura L-GL			EX							R4965/R	26	7	94.4	I	45°
1986		Ibiza Junior			EX							R6179/SCR	34	7	101.4	I	45°
Eng. Fiat GL3 903 cc.		R6180/SCR															
1997	4	Arosa 1.0 i	67.1	030 109 601AK	IN	R6351/S	31	6	99	I	45°						
1996		Cordoba 1.0 i			EX	R6352/R						26	6	98.9	I	45°	
1997		Ibiza 1.0 i			EX	R6718/S						35.5	6	98.65	I	45°	
Eng. AER-ALL 999 cc.	R6719/RCR	30	6	98.35			I	45°									
2010	4	Altea 1.2 TSI	71	03F 109 601A	IN	R6778/S	29.5	5	110.3	I	45°						
NEW		Leon 1.2 TSI			EX	R6779/RCR						26.9	5	110.3	I	45°	
2011	3	Mii 1.0 Eng. CHYA-CHYB 999 cc.	74.5	04E 109 601	IN	R6778/S	29.5	5	110.3	I	45°						
				04E 109 611L	EX	R6779/RCR	26.9	5	110.3	I	45°						
1984	4	Ibiza 1.2 L-GL-GLX	75	SE0210-12301A	IN	R4150/SCR	32	7	103	I	45°						
1984		Ronda 1.2 L-GL-GLX		39403030	EX	R4151/SCR						28	7	103	I	45°	
1985		Malaga 1.2 L-GL-GLX		SE0210-12302A													39403040
1993/07/94	4	Ibiza 1.0 i Until chassis n.80-NW-500000 Eng. AAU 1043 cc.	75	030 109 601E	IN	R4646/SCR	32	8	99.3	I	45°						
				030 109 611A	EX	R4367/R	28.9	8	99.1	I	45°						

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
08/94	4	Ibiza 1.0 i From chassis n.80-PW-500001 Eng. AAU 1043 cc.	75	030 109 601M 030 109 611D	IN EX	R4886/S R4803/R	32	7	99.2		45°
							29	7	99.2		45°
1989/94	4	Ibiza 1.3 i Until chassis n.80-NW-500000 Eng. 2G-AAV-3F 1272 cc.	75	030 109 601D/F 030 109 611A	IN EX	R4645/SCR R4367/R	36	8	99.3		45°
							28.9	8	99.1		45°
1989/94	4	Ibiza 1.3 i From chassis n.80-NW-50001 Eng. 2G-AAV-3F 1272 cc.	75	030 109 601L 030 109 611D	IN EX	R4802/S R4803/R	36	7	99.3		45°
							29	7	99.2		45°
1993/07/94	4	Ibiza 1.4 i Eng. ABD 1390 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	R4645/SCR R4646/SCR R4367/R	36	8	99.3		45°
							32	8	99.3		45°
							28.9	8	99.1		45°
2003 2003	3	Cordoba 1.2 i 12V Ibiza 1.2 i 12V Eng. AZQ-BME 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5	6	100.9		45°
							26	6	100.57		45°
2008	3	Ibiza 1.2 i 12V Eng. BZG 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5	6	100.9		45°
							26	6	100.57		45°
08/94/99	4	Ibiza 1.4 i Eng. ABD 1391 cc.	76.5	030 109 601L 030 109 601J 030 109 611D	IN IN EX	R4802/S R4873/S R4803/R	36	7	99.3		45°
							34	7	99		45°
							29	7	99.2		45°
1997 1994 1993 1995	4	Arosa 1.4 i Cordoba 1.4 i Ibiza 1.4 i Inca 1.4 i Eng. AEX-AKV 1390 cc.	76.5	030 109 601AH 032 109 611G	IN EX	R4952/S R4805/R	35.6	7	94.8		45°
							29	7	95		45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
030 103 419A	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
030 103 419A	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F

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RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
030 109 423 036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
030109423 036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
034109309N	PI 06-0001	I
	PI 06-0001	I


**NOTE
remarks**
SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1996 1999	4	Cordoba 1.4 i 16V Toledo 1.4 i 16V Eng. AHW-AUB	76.5	036 109 601S 036 109 611K	IN EX	R6013/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°	
1999 1999 1999 2000		Cordoba 1.4 i 16V Ibiza 1.4 i 16V Leon 1.4 i 16V Inca 1.4 16V Eng. APE-AQQ-AUA										
2003 2002		Cordoba 1.4 i 16V Ibiza 1.4 i 16V Eng. BBY-BBZ-BKY										
1999		Arosa 1.4 i 16V Eng. AFK-AUB-AQQ 1390 cc.										
1996 1996	4	Ibiza 1.4 i 16V Cordoba 1.4 i 16V Eng. AFH 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	R4966/S R4967/R	29.5 26	6 6	98 97.2	I I	45° 45°	
1997 1999 1998 1995	4	Arosa 1.4 i Ibiza 1.4 i Cordoba 1.4 i Inca 1.4 i Eng. AUD-AKK 1390 cc.			030 109 601AL 030 109 611T	IN EX	R6197/S R6198/BM	33.5 28	6 6	99.2 99.2	I I	45° 45°
2006 2006 2006	4	Altea 1.4 FSI 16V Cordoba 1.4 FSI 16V Ibiza 1.4 i 16V Eng. BXW 1390 cc.	76.8	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°	
1993/99 1995/98	4	Corboda 1.6 i Ibiza 1.6 i Inca 1.6 I 1598 cc. Eng. ABU-AEE 1598 cc.			032 109 601G 030 109 601AH 032 109 611G	IN IN EX	R4804/S R4952/S R4805/R	34.6 35.6 29	7 7 7	94.8 94.8 95	I I I	45° 45° 45°
1993/99 1993/99 1991/93 1995/98	4	Cordoba 1.6 i Ibiza 1.6 i Toledo 1.6 i Inca 1.6 i Eng. 1F-ABN 1598 cc.	76.5	035 109 601K 053 109 611	IN EX	R4641/SCR R4642/BMARCR	38 33.2	8 8	91.9 91.2	I I	45° 45°	
1996	4	Toledo 1.6 i Eng. AEE 1598 cc.			030 109 601AH 032 109 611G	IN EX	R4952/S R4805/R	35.6 29	7 7	94.8 95	I I	45° 45°
1999	4	Cordoba 1.6 i Ibiza 1.6 i Eng. ALM 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	R4952/S R4805/R	35.6 29	7 7	94.8 95	I I	45° 45°	

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F

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RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008 RA06-938	I
059109521C 059109521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	PI 06-0008 RA06-939	I
030 109 423	PI 06-0008 RA06-938	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I


NOTE
 remarks

SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Leon 1.6 i 16V Toledo 1.6 i 16V Eng. AUS-AZD	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
2006		Cordoba 1.6 i 16V Eng. BTS 1598 cc.									
1993	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i Eng. ABS 1781 cc.	81	035 109 601K 048 109 611A	IN EX	R4641/SCR R4642/BMARCR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1993/96											
1994	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i Eng. ADZ Up to eng. N. 001108 1780 cc.	81	035 109 601K 048 109 611A	IN EX	R4641/SCR R4642/BMARCR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1993/96 1993/96											
1993	4	Cordoba 1.8 i 16V Ibiza 1.8 i 16V Eng. ADL 1780 cc.	81	051 109 601B 051 109 611B	IN EX	R4808/S R4809/R	32 27	7 7	95.5 98	I I	45° 45°
1993/96											
1996	4	Cordoba 1.6 i Ibiza 1.6 i Toledo 1. I Leon 1.6 i Eng. AFT-AEH-AKL-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1996 1996 1996 1999											
1999	4	Leon 1.8 i 20V Toledo 1.8 i 20V Ang. AGN-APG 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1999											
1998	4	Alhambra 1.8 i Turbo 20V Eng. AJH	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2000		Ibiza 1.8 i Turbo 20V Eng. AQX									
1999		Leon 1.8 i 20V									
1999		Toledo 1.8 i 20V									
2003		Eng. AJQ-APP-ARY-AUQ Leon 1.8 i 20V Eng. BAM 1781 cc.									
2004	4	Altea 1.6 i Toledo 1.6 i Eng. BGU-BSE-BSF 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4 33	6 6	94 94	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
051 103 419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.

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RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008 RA06-938 RA06-948	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I


NOTE
 remarks





RA06-948
 Only Eng.BTS

SEAT
***R4853/BMARCR**
 Retainer stem end
 3.40 mm

***R6189/BMARCR**
 Retainer stem end
 5.00 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	4	Altea 1.8 TFSI Leon 1.8 TFSI Toledo 1.8 TFSI Alhambra 1.8 TFSI Eng. CDAA 1798 cc.	82.5	06D 109 601M 06D 109 611L	IN EX	R6580/SCR R6207/BMCR	34	6	104	I	45°
							28	6	102	I	45°
1991	4	Toledo GL-GLX-GT 2.0 Eng. ZE-AAM 1984 cc.	82.5	048 109 611A 053 109 611	IN EX	R4643/SCR R4642/BMARCR	39.5	8	91.9	I	45°
							33.2	8	91.2	I	45°
1993/94 1993/94	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Eng. 2E Up to eng. N. 565664 1984 cc.	82.5	048 109 611A 048 109 611A	IN EX	R4643/SCR R4642/BMARCR	39.5	8	91.9	I	45°
							33.2	8	91.2	I	45°
1994 1994/96 1994/96	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Eng. 2E From eng. N. 565665 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	R4806/S R4807/R	39.5	7	91.9	I	45°
							32.9	7	91.2	I	45°
1984 1994/96 1994/96 1996	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Alhambra 2.0i Eng. AGG-ADY 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	R4806/S R4807/R	39.5	7	91.9	I	45°
							32.9	7	91.2	I	45°
1996 1996 1993 1996/00	4	Ibiza 2.0 i 16V Cordoba 2.0 i 16V Toledo 2.0 i 16V Alhambra 2.0 i 16V Eng. ABF 1984	82.5	051 109 601B 051 109 611B	IN EX	R4808/S R4809/R	32	7	95.5	I	45°
							27	7	98	I	45°
2004 2004 2005	4	Altea 2.0 FSI 16V Toledo 2.0 FSI 16V Leon 2.0 FSI 16V Eng. BLX-BLR 1984	82.5	06D 109 601K 06D 109 611L	IN EX	R6206/S R6207/BMCR	34	6	104	I	45°
							28	6	102	I	45°
2006 2005	4	Altea 2.0 TSFI 16V Leon 2.0TSFI 16V Eng. BWA 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	R6206/S R6207/BMCR	34	6	104	I	45°
							28	6	102	I	45°
1984	4	Ibiza 1.5 GLX Ronda 1.5 GLX - SX Malaga 1.5 GLX Eng. System Porsche 1461 cc.	83	SE0210-12301B 39402830 SE0210-12302B 39402840	IN EX	R4152/SCR R4153/RCR	34	7	103	I	45°
							30	7	103	I	45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
027 103 419	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 10 3415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
058 10 3415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I
SE021012306A SE021012306B	G3267 G3268 G3587	IN/EX	41.5	7	13.52 13.57 13.72	G	C.I.

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RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	PI 06-0019 RA06-945	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0019 RA06-944	I
022 109 423A	PI 06-0019 RA06-944	I
	PI 06-0001	I


NOTE
 remarks

SEAT

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1990/94	4	Terra 1.3 D Eng. MN 1272 cc.	75	030 109 601 030 109 611A	IN EX	R4366/S R4367/R	34	8	99.1		45°
							28.9	8	99.1		45°
1990/95	4	Terra 1.4 D Until chassis n.80-NW-500000 Eng. 1W 1398 cc.	75	030 109 601 030 109 611A	IN EX	R4366/S R4367/R	34	8	99.1		45°
							28.9	8	99.1		45°
1990/95	4	Terra 1.4 D From chassis n.80-NW-500001 Eng. 1W 1398 cc.	75	030 109 601J 030 109 611D	IN EX	R4873/S R4803/R	34	7	99		45°
							29	7	99.2		45°
2010 NEW	3	Ibiza 1.2 TDI Eng. CFWA 1199 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
							24.45	6	99.10		45°
2000 2002 2002	3	Arosa 1.4 TDI Ibiza 1.4 TDI Cordoba 1.4 TDI Eng. AMF 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2009 2010 NEW	4	Altea 1.6 TDI Ibiza 1.6 TDI Leon 1.6 TDI Eng. CAYC-CAYB-CLNA 1598 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
							24.45	6	99.10		45°
1997	4	Arosa 1.7 SDI Eng. AHG-AKU 1716 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.3	 	45° 45°
1993/5-96 1991/5-96 1995/5-96	4	Corboda 1.9 D Ibiza 1.9 D Toledo 1.9 D Inca 1.9 D Until eng. N. 580 000 Eng. 1Y 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	R4483/SCR R4640/RCR	36	8	95		45°
							31.2	8	95.5		45°
6/96 06/96-99	4	Cordoba 1.9 D Ibiza 1.9 D Inca 1.9 D Toledo 1.9 D From eng. N. 580 001 Eng. 1Y 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	R6036/S R6037/RCR	36	7	95.5		45°
							31	7	95.5		45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
030 103 419A	G3535 G11197	IN/EX	36.5	7	11.06 11.16	B	C.I.
	G11194 G11195	IN/EX	36.5	6.98	11.07 11.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

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RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
034109309N	PI 06-0001	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
038109309A 038109309B	PI 06-0032	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G	PI 06-0040 RA06-946	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I

 NOTE
 remarks

SEAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995/2-96	4	Toledo 1.9 TDI Until eng. N. 770 000 Eng. 1Z 1896 cc.	79.5	028 109 601H 028 109 611F	IN EX	R4776/BMCR R4777/BMCR	36 31.4	8 8	96.9 96.9	I I	45° 45°
3/96	4	Toledo 1.9 TDI From eng. N. 770 001 Eng. 1Z 1896 cc.	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	R6087/S R4888/BM R4889/BM	35.9 35.9 31.5	7 7 7	96.8 96.8 96.85	I I I	45° 45° 45°
06/96-96	4	Ibiza 1.9 TD Eng. AAZ 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	R6036/S R6037/RCR	36 31	7 7	95.5 95.5	I I	45° 45°
1993/5-96 1991/5-96	4	Ibiza 1.9 TD Toledo 1.9 TD Until eng. N. 678 000 Eng. AAZ 1896 cc.	79.5	069 109 601H 074 109 611	IN EX	R4899/BMARCR R4640/RCR	36 31.2	8 8	95 95.5	I I	45° 45°
06/96-99	4	Toledo 1.9 TD From eng. N. 678 001 Eng. AAZ 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	R6036/S R6037/RCR	36 31	7 7	95.5 95.5	I I	45° 45°
1996	4	Cordoba 1.9 D Eng. AEF 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	R6036/S R6037/RCR	36 31	7 7	95.5 95.5	I I	45° 45°
1996/99 1995/99 1995	4	Cordoba 1.9 SDI Ibiza 1.9 SDI Toledo 1.9 SDI Inca 1.9 SDI From eng. N. 002 001 Eng. AEY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.3	I I	45° 45°
1999 1999 1999	4	Codoba 1.9 SDI Leon 1.9 SDI Toledo 1.9 SDI Eng. AQM-AGP-AEY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.3	I I	45° 45°
2002 2002	4	Coroba 1.9 SDI Ibiza 1.9 SDI Eng. ASY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.3	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I







NOTE
remarks

SEAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Alhambra 1.9 TDI Eng. 1Z	79.5	028 109 601D 028 109 601K	IN IN	R6087/S R4888/BM	35.9 35.9	7 7	96.8 96.8	 	45° 45°
1996 1996		Corboda 1.9 TDI Ibiza 1.9 TDI Inca 1.9 TDI Eng. 1Z-AGR-AHU-ALH		028 1096 11G	EX	R4889/BM	31.5	7	96.85		45°
1999 1999		Leon 1.9 TDI Toledo 1.9 TDI Eng. AGR-AHU-ALH									
1896 cc. (90CV)											
1996/00	4	Alhambra 1.9 TDI Eng. AFN-AVG	79.5	028 109 601D 028 109 601K	IN IN	R6087/S R4888/BM	35.9 35.9	7 7	96.8 96.8	 	45° 45°
1996 1996 1999 1996		Ibiza 1.9 TDI Cordoba 1.9 TDI Leon 1.9 TD Toledo 1.9 TDI Eng. AFN-AHF-ASV		028 1096 11G	EX	R4889/BM	31.5	7	96.85		45°
1896 cc (110 CV)											
2000	4	Alhambra 1.9 TDI Eng. AUJ	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
1896 cc. (115 CV)											
2002 2002	4	Cordoba 1.9 TDI Ibiza 1.9 TDI Eng. ATD	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
1896 cc. (101 CV)											
2002 2002 2002 2003 2003	4	Alhambra 1.9 TDI Cordoba 1.9 TDI Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI Eng. ASZ	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
1896 cc. (130 CV)											
2001 2001 2000	4	Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI Eng. ARL	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
1896 cc. (150 CV)											
2005	4	Leoan 1.9 TDI Eng. AXR-BKC-BLS-BXE Eng. BXF-BLB	79.5	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.9 31.5	7 7	89.4 89	 	45° 45°
1896 cc											
2005 2006	4	Leon 2.0 TDI Toledo 2.0 TDI Eng. BMM	81	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.9 31.5	7 7	89.4 89	 	45° 45°
1968 cc.											

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
	PI 06-0032	I
038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I


NOTE
 remarks

SEAT DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004 2004 2005	4	Altea 2.0 TDI -PD 16V Toledo 2.0 TDI-PD 16V Leon 2.0 TDI-PD 16V Eng. AZV-BKD-BMN 1968 cc. (140 CV)	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1 25.4	6 6	87.8 87.5	I I	45° 45°
2008	4	Altea 2.0 TDI FR Leon 2.0 TDI FR Eng. CBAA-CBAB Eng. CBBA-CBBB 1968 cc.	81	03L 109 601 03L 109 611	IN EX	R6564/S R6565/BM	28.1 26	6 6	99.3 99.1	I I	45° 45°
2009	4	Exeo 2.0 TDI Eng. CAGC-CJCC-CAGA Eng. CJCA-CAHA-CGLB 1968 cc.	81	03L 109 601 03L 109 611	IN EX	R6564/S R6565/BM	28.1 26	6 6	99.3 99.1	I I	45° 45°
1984 1985	4	Ibiza 1.7D Malga 1.7D Eng. Fiat 138A5.000 1714 cc.	83	4368843 4368845 5996615	IN EX	R3609/SCR R3610/RCR	38.5 33.5	8 8	126 126	EE EE	45° 45°
SKODA											
1984	4	105 S Eng. 742.10 1046 cc.	68	113020240 113020260	IN EX	R3721/S R3722/R	31.2 27.2	8 8	99.8 99.8	I I	45° 45°
2010 NEW	4	Roomster 1.2 TSI Fabia 1.2 TSI Octavia 1.2 TSI Yeti 1.2 TSI Eng. CBZA-CBZB 1197 cc.	71	03F 109 601A 03F 109 611B 03F 109 611C	IN EX	R6718/S R6719/RCR	35.5 30	6 6	98.65 98.35	I I	45° 45°
1984	4	120L Eng. 742.12 1174 cc.	72	113020241 113020260	IN EX	R3723/S R3722/R	32.2 27.2	8 8	99.6 99.8	I I	45° 45°
1999	4	Fabia 1.0 i Eng. AER 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	R4964/S R4965/R	31 26	7 7	94.8 94.4	I I	45° 45°
2000	4	Fabia 1.0 i Eng. AQV - ARV - ATY 997 cc.	72	047 109 601F 047 109 611B	IN EX	R6181/SCR R6182/RCR	34 27	7 7	103.8 103.7	I I	45° 45°
2011 NEW	3	Citigo 1.0 Eng. CHYA-CHYB 999 cc.	74.5	04E 109 601 04E 109 611L	IN EX	R6778/S R6779/RCR	29.5 26.9	5 5	110.3 110.3	I I	45° 45°
2000	4	Fabia 1.4 Eng. AME - AQW - ATZ AZE -AZF 1397 cc.	75.5	047 109 601D 047 109 611D	IN EX	R6179/SCR R6180/RCR	34 30	7 7	101.4 101.4	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
SE700012306A SE700012306B	G2828 G2279	IN/EX	59.5	8.03	15.03 15.08	G	C.I.
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	I I I I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	PI 06-0040 RA06-946	I I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	PI 06-0040 RA06-946	I I
	PI 03-102	M
030 109 423	PI 06-0008	I
	PI 06-0019	I





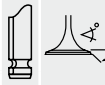
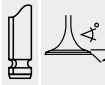
NOTE
remarks

SEAT DIESEL

SKODA

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001	3	Fabia 1.2 i Eng. AWY 1198 cc.	76.5	032 109 601L 030 109 611T	IN EX	R6452/S R6198/BM	34.5 28	6 6	99.1 99.2	I I	45° 45°
2003 2006 2007	3	Fabia 1.2 i 12V Roomster 1.2 12V Praktik 1.2 i 12V Eng. AZQ-BME-BZG 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1999	4	Fabia 1.4 i 16V Eng. AFH 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	R4966/S R4967/R	29.5 26	6 6	98 97.2	I I	45° 45°
1999 2006 2007	4	Fabia 1.4 i 16V Roomster 1.4 i 16V Praktik 1.4 i 16V Eng. AUA-AUB-BBY Eng. BBZ-BKY-BUD Eng. BXW 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1996	4	Felicia 1.6 i Octavia 1.6 i Eng. AEE 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	R4952/S R4805/R	35.6 29	7 7	94.8 95	I I	45° 45°
2004 2006	4	Octavia 1.6 FSI 16V Roomster 1.6 i 16V Eng. BLF-BTS 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1997	4	Octavia 1.6 i Eng. AFT-AEH-AKL 1595 cc.	81	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	Octavia 1.6 i Eng. AVU-BFQ-BGU Eng. BSE-BSF 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4 33	6 6	94 94	I I	45° 45°
1996	4	Octavia 1.8 i 20V Eng. AGN 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853*/BMARCR	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997	4	Octavia 1.8 i 20V Turbo Eng. AGU 1781 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997	4	Octavia 1.8 i 20V Turbo Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
032 103 419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
030 109 411 030 109 411B 030 109 417B 030 109 417D	PI 06-0008 RA06-939	I
036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
036 109 411C 036 109 411D 036 109 411	PI 06-0008 RA06-938	I
	PI 06-0001	I
036 109 41E	PI 06-0008 RA06-948	I
050109309A 050109309C 050109309H	PI 06-0001	
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I


NOTE
 remarks





SKODA
***R4853/BMARCR**
 Retainer stem end
 3.40 mm

***R6189/BMARCR**
 Retainer stem end
 5.00 mm

***R4853/BMARCR**
 Retainer stem end
 3.40 mm

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002	4	Superb 1.8 i 20V Turbo Eng. AWT 1781 cc.	81	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9	6	105.9		45°
							29.8	6	103.9		45°
1999	4	Octavia 2.0 i	81	078 109 601B	IN	R4806/S	39.5	7	91.9		45°
2000		Fabia 2.0 i Eng. AQY 1984 cc.		048 109 611B	EX	R4807/R	32.9	7	91.2		45°
2008	4	Superb 1.8 TFSI Yeti 1.8 TFSI Octavia 1.8 TFSI Eng. CDAA 1798 cc.	82.5	06D 109 601M 06D 109 611L	IN EX	R6580/SCR R6207/BMCR	34	6	104		45°
							28	6	102		45°
2004	4	Octavia 2.0 FSI 16V Eng. BLX-BLY-BLR 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	R6206/S R6207/BMCR	34	6	104		45°
							28	6	102		45°
2006	4	Octavia 2.0 RS 16V Eng. BWA 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	R6206/S R6207/BMCR	34	6	104		45°
							28	6	102		45°
2002	V6	Superb 2.8 i V6 30V Eng. AMX	82.5	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9	6	105.9		45°
							29.8	6	103.9		45°

SKODA DIESEL

2001	V6	Superb TDI V6 24V Eng. AYM 2496 cc.	78.3	059 109 601B 059 109 601C 059 109 611B	IN EX	R6085/SCR R6086/BMARCR	27	6	100.5		45°
							24	6	100.5		45°
2003	V6	Superb TDI V6 24V Eng. BDG 2496 cc.	78.3	059 109 601F 059 109 611G	IN EX	R6453/SCR R6454/BMARCR	27.2	6	100.6		45°
							24.1	6	100.7		45°
2010 NEW	3	Roomster 1.2 TDI Eng. CFWA 1199 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
							24.45	6	99.10		45°
2006 2007	4	Roomster 1.4 TDI Praktik 1.4 TDI Eng. BNM-BNV-BMS 1422 cc.	79.5	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.9	7	89.4		45°
							31.5	7	89		45°
2009 NEW 2010	4	Octavia 1.6 TDI Eng. CAYC Fabia 1.6 TDI Yeti 1.6 TDI Eng. CAYB 1598 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55	6	99.25		45°
							24.45	6	99.10		45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

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RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
050109309J 050109309M	PI 06-0001	
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	PI 06-0019 RA06-945	I
06E 109 417A	PI 06-0019 RA06-944	I
	PI 06-0019 RA06-944	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
038 103 309A 038 109 309B	PI 06-0032	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I


NOTE
remarks

***R6189/BMARCR**
Retainer stem end
5.00 mm

***R4853/BMARCR**
Retainer stem end
3.40 mm





R6085/SCR
R6086/BMARCR
Retainer stem end
2.5 mm

R6453/SCR
R6454/BMARCR
Retainer stem end
8.3 mm

SKODA
SKODA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995/5-96	4	Felicia 1.9 D Until eng. N. 007 000 Eng. AEF 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	R4483/SCR R4640/RCR	36	8	95		45°
							31.2	8	95.5		45°
6-96	4	Felicia 1.9 D From eng. N. 007 001 Eng. AEF 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	R6036/S R6037/RCR	36	7	95.5		45°
							31	7	95.5		45°
1996	4	Octavia 1.9 TDI Eng. AGR-ALH-AHF-ASV 1896 cc.	79.5	028 109 601D 028 1096 11G	IN EX	R6087/S R4889/BM	35.9	7	96.8		45°
							31.5	7	96.85		45°
1997 1997	4	Octavia 1.9 SDI From eng. N. 002 001 Eng. AEY Octavia 1.9 SDI Eng. AQM-AGP 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36	7	96.5		45°
							31.5	7	96.5		45°
1999	4	Fabia 1.9 SDI Eng. AEY-ASY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36	7	96.5		45°
							31.5	7	96.3		45°
1999	4	Fabia 1.9 TDI Eng. AHF 1896 cc.	79.5	028 109 601D 028 1096 11G	IN EX	R6087/S R4889/BM	35.9	7	96.8		45°
							31.5	7	96.85		45°
2000 2000	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ATD 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2002	4	Superb 1.9 TDI Eng. AVB-AVF-AWX 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2003 2003	4	Fabia 1.9 TDI Octavia 1.9 TDI Eng. ASZ 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9		45°
							31.5	7	90		45°
2008 2006	4	Superb 1.9 TDI-PD Roomster 1.9 TDI-PD Eng. BLS-BXE-BSW 1896 cc.	79.5	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.9	7	89.4		45°
							31.5	7	89		45°
2004	4	Octavia 2.0 TDI-PD 16V Eng. BKD 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8		45°
							25.4	6	87.5		45°
2008	4	Octavia 2.0 TDI 2.0 16V RS Eng. CBAA-CBAB Eng. CBBA-CBBB 1968 cc.	81	03L 109 601 03L 109 611	IN EX	R6564/S R6565/BM	29.1	6	99.3		45°
							26	6	99.1		45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11445	IN/EX	36	5.98	10.06	B	C.I.

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ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
050 109 309A 050 109 309C 050 109 309H 050 109 309J 050 109 309M	PI 06-0001	I
	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0001	I
034 109 309N	PI 06-0001	I
038 103 309A 038 109 309B	PI 06-0032	I
038 103 309A 038 109 309B	PI 06-0032	I
038 103 309A 038 109 309B	PI 06-0032	I
038 109 309B	PI 06-0032	I
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	I I I I
059 109 521G 059 109 417G	PI 06-0040 RA06-946	I I


NOTE
 remarks

SKODA DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2009 NEW	4	Yeti 2.0 TDI Eng. CLCA-CFHA-CFHF 1968 cc.	81	03L109601A	IN	R6690/S	26.55	6	99.25	I	45°
				03L109611A	EX	R6691/R	24.45	6	99.10	I	45°
2009	4	Superb 2.0 TDI Eng. BMP 1968 cc.	81	038 109 601E	IN	R6208/S	35.95	7	89.4	I	45°
				038 109 611E	EX	R6209/BM	31.5	7	89	I	45°
2001	V6	Superb V6 30V Eng. AMK-BBG 2771 cc.	82.5	059 109 601G	IN	R6514/S	28.8	6	99.5	I	45°
				059 109 611K	EX	R6515/BMAR	26.8	6	99.4	I	45°

SLANZI

		DVA 1750		5869652071	IN/D	MI5096/S	38.5	8	113.8	E	45°
				44.22.38	EX	MI5097/RNT	32.9	8	113.8	E	45°
		DVA 3600		9889652068	IN	MI5138/S	44	9	123	D	45°
				44.21.68	EX	MI5139/RNT	38	9	123	D	45°
				9889685076							
				44.20.68							

SMART

1998	3	Smart Eng. M160 599 cc.	63.5	1600530001	IN	R6038/SNT	30	6	89.2	E	45°
				1600500027	EX	R6039/RNT	25	6	89.5	E	45°
2002	3	Crossblade 600 Eng. M160 599 cc.	63.5	1600530001	IN	R6038/SNT	30	6	89.2	E	45°
				1600500027	EX	R6039/RNT	25	6	89.5	E	45°
2003 2004 2003	3	Smart City Fortwo Roadster Eng. M160.910 698 cc.	66.5	1600530001	IN	R6038/SNT	30	6	89.2	E	45°
				1600500027	EX	R6039/RNT	25	6	89.5	E	45°
2008 NEW	3	Fortwo 1.0 Turbo Fortwo 1.0 Brabus Eng. M132.930 999 cc.	72	132 053 0001	IN	R6743/SNT	28	5	85.45	S	45°
				132 053 0005	EX	R6744/RNT	25	5	86.88	S	45°
2004	3	Fourfour 1.1 12V Eng. M134E11 1124 cc.	75	1350530001	IN	R6494/SNT	30.4	5	89.6	S	45°
	4	Fourfour 1.3 16V Eng. M135E13 1332 cc.		1350530005	EX	R6495/RNT	25.4	5	90.9	S	45°
	4	Fourfour 1.5 16V Eng. M135E15 1499 cc.									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 109 419B	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I.-F
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	G	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	SM	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	G	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	SM	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	G	C.I.
	G11288 G11299 GS11288	IN/EX	35	6	12.56 12.61	SM	C.I.
	G11504	IN/EX	34.5	5	10.56	G	C.I.
	G11504	IN/EX	34.5	5	10.56	G	C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
	PI 06-0032	I
	PI 06-0030 RA06-907	I
	PI 06-0030 RA06-907	I
	PI 06-0030 RA06-907	I


NOTE
 remarks





SKODA DIESEL

SLANZI

SMART





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
SMART DIESEL											
1999	3	Smart 800 Cdi Eng. OM 660 799 cc.	65.5	6600530101 6600530005	IN EX	R6355/SCR R6356/RCR	27.5 25.4	6 6	91.3 91.2	I I	45° 45°
2004	3	Fourfour 1.5 CDI Eng. OM639 1493 cc.	83	05175396AA 05175397AA	IN EX	R6496/SCR R6497/RCR	28.6 25.4	6 6	102.2 102.2	I I	45° 45°
SSANGYONG											
1996 1997	4	Musso 2.0 i 16V Korando 2.0 i 16V Eng. E20 1998 cc.	89.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1996 2002	V6 V6 V6	Musso 3.2 i 24V Korando 3.2 i 24V Rexton 3.2 i 24V Eng. E32 3199 cc.	89.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1997	4	Musso 2.3 i 16V Korando 2.3 i 16V Eng. E23 2295 cc.	90.9	1110531101 1110501227 1110501427	IN EX	R4758/SNT R4760/RARNT	35 31	7 7	101.5 103.5	EE EE	45° 45°
SSANGYONG DIESEL											
1995	4	Korando 2.3 D Musso 2.3 D Eng. OM601 - OM 661 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	R4193/SCR R4194/BMCR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1995 1995	4	Korando 2.3 TD Musso 2.3 TD Eng. OM 661 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	R4193/SCR R4194/BMCR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1996 1995	4	Korando 2.9 D Musso 2.9 D Eng. OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	R4193/SCR R4194/BMCR	38 35	8 9	106.4 106.4	EE EE	45° 45°
1998 1998 2001	4	Korando 2.9 TDI Musso 2.9 TDI Musso Sport 2.9 TDI Eng. OM 602-OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	R4193/SCR R4194/BMCR	38 35	8 9	106.4 106.4	EE EE	45° 45°
2002	4	Rexton 2.9 TDI 10V Eng. OM 662 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	R4193/SCR R4194/BMCR	38 35	8 9	106.4 106.4	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
STEYR											
1967/79	6	Eng. WD 614 Turbo 8143 cc.	120	61460050007 61560050006	IN EX	R4678/BMCR R4679/BMCR	50.9	12	158.4	EE	35°
							48.9	12	158.4	EE	45°
1986/87	6 8	Eng. WD615.68 Turbo 9726 cc. Eng. WD815.66 Turbo 11970 cc.	126	61560050022 61560050027	IN EX	R4680/BMCR R4681/BMCR	50.9	11	159.4	EE	35°
							48.9	11	158.4	EE	45°
SUBARU											
2011 NEW	4	Trezia 1.3 16V Eng. 1NR-FE 1329 cc.	72.5	13711-47010 13715-47010	IN EX	R6769/SNT R6770/RNT	28.9	5.5	103.4	S	45°
							24.3	5.5	104.6	S	45°
1995	4	Justy 1.3 i 16V Eng. G13BA 1298 cc.	74	12911-82000 12915-82000	IN EX	R4549/SNT R4550/RNT	36	7	115.5	EE	45°
							30	7	114.5	EE	45°
2001	4	Justy 1.3 i 16V Eng. G13BB 1298 cc.	74	12911-71C00 12915-71C50	IN EX	R6121/SNT R6122/RNT	29.2	5.5	92.2	EE	45°
							25	5.5	79.8	EE	45°
2004	4	Justy G3X 1.3 i 16V Eng. M13A 1328 cc.		12911-54G00 12915-54G00 12915-54G50	IN EX	R6212/SNT R6213/RNT	30	5.5	101	EE	45°
							25	5.5	99	EE	45°
8/99	4	Impreza 1.6 16V Eng. EJ16 1597 cc.	87.9	13201-AA420 13202-AA430	IN EX	R6076/SNT R6077/RNT	32.5	5.9	120.6	E	45°
							28.5	5.9	121.7	E	45°
1998 2004	4	Forester 2.0 i 16V Legacy 2.0 i 16V Eng. EJ20J 1994 cc.	92	13201-AA351 13201-AA352 13202-AA361	IN EX	R6443/SNT R6444/RNT	34	5.9	120.6	S	45°
							30	5.9	121.7	S	45°
9/99 1999	4	Impreza 2.0 i 16V Legacy 2.0 i 16V Eng. EJ20 1994 cc.	92	13201-AA430 13202-AA440	IN EX	R6068/RNT R6069/BMARNT	34	5.9	120.6	E	45°
							31.9	5.9	104.7	E	45°
1996	4	Impreza Turbo 16V Eng. EJ20G 1994 cc.	92								
SUBARU DIESEL											
2003	4	Justy 1.3 TDI 16V Eng. Z13DT 1248 cc.	69.6	Eng. Euro 5	IN EX	R6304/SCR R6305/BMCR	21.9	6	109.2	I	45°
							21.9	6	109.2	I	45°
							22.45	6	109.2	I	45°
							22.50	6	109.2	I	45°
	4	Trezia 1.4 D Eng. 1ND-TV 1364 cc.	73		IN EX	R6320/SNT R6321/RNT	30.8	6	100	S	45°
							28	6	99.8	S	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11115-82000-001	G3277 G3278	IN/EX	48	7	12.07 12.12	G	L-X
11115-60B11	G11280 G11281	IN/EX	32	5.5	11.07 11.12	G	C.I.
	G11470 GS11470	IN/EX IN/EX	40 40	5.5 5.5	10.57 10.57	G SM	C.I.-X C.I.-X
13212-AA040	G11363	IN/EX	52.5	6	11.08	G	L-X
13212-AA040	G11363	IN/EX	52.5	6	11.08	G	L-X
13212-AA040	G11363	IN/EX	52.5	6	11.08	G	L-X
1321-2AA130	G11276 G11277	IN	39.5	6	11.08 11.13	G	L-X-U
13213-AA120	G11278 G11279	EX	47.5	6	11.08 11.13	G	L-X-U
46816601 46816602	G11310 G11311 GS11310	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.07 10.03	G SM	L-X L-X
	G11368	IN/EX	40.6	6	11.04	G	L

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 73501138	PI 06-0019 RA06-900	I
	PI 06-0020	I
	PI 06-0020	I
	PI 06-0020	I
	PI 06-0020	I


 NOTE
remarks

STEYR

SUBARU

SUBARU D.





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1983	3	Jimmy SJ30 4X4 Eng. LJ50 539 cc.	61	12911-84000	IN	R4162/SNT	31.5	7	110	EE	45°
				12915-84000	EX	R4163/RNT	27.6	7	109.5	EE	45°
1978	3	Alto - Carry - Cervo Fronte - SS40/41 ST40/41 Eng. F5A 543 cc.	62	12911-84000	IN	R4162/SNT	31.5	7	110	EE	45°
				12915-84000	EX	R4163/RNT	27.6	7	109.5	EE	45°
1978		Jimmy LJ 80/SJ 20 Eng. F8A 797 cc.	62	12911-84000	IN	R4162/SNT	31.5	7	110	EE	45°
				12915-84000	EX	R4163/RNT	27.6	7	109.5	EE	45°
1983 1985 1988	4	Jimmy SJ 40 1.0 Super Carry 1.0 Samurai 1.0 Eng. F10A 970 cc.	65.5	12911-82000	IN	R4549/SNT	36	7	115.5	EE	45°
				12915-82000	EX	R4550/RNT	30	7	114.5	EE	45°
1998	4	Wagon R 1.0 16V Eng. K10A 996 cc.	68	12911-73G00	IN	R6216/SNT	24.6	5.5	80.2	EE	45°
				12911-73G01 12915-73G00 12915-73G20	EX	R6217/RNT	21.5	5.5	81.3	EE	45°
2004	4	Alto 1.1 Eng. RF410 1061 cc.		12911-M84400	IN	R6445/SNT	26.6	5.5	90.5	SS	45°
				12911-M84420 12915-M84400 12915-M84440	EX	R6446/RNT	23.5	5.5	78.20	SS	45°
1998	4	Wagon R 1.2 Eng. K12A 1171 cc.	71	12911-73G00	IN	R6216/SNT	24.6	5.5	80.2	EE	45°
				12911-73G01 12915-73G00 12915-73G20	EX	R6217/RNT	21.5	5.5	81.3	EE	45°
2008 2007	3 4	Splash 1.0 12V Alto 1.0 12V Eng. K10B 996 cc. Splash 1.2 16V Swift 1.2 16V Eng. K12B 1242 cc.	73	4708925	IN	R6611/SNT	27.47	5.5	87.46	S	45°
				12911-M68K00-000 9319374 12911-51K00 4708933 12915-M68K00-000 93193762	EX	R6612/RNT	22.88	5.5	87.06	S	45°
2010 2010 NEW	4	Swift IV 1.2 16V Splash 1.2 16V Eng. K12B VVT 1242 cc.	73	12911-69L00-000	IN	R6722/SNT	27.50	5	87.50	S	45°
				12915-69L00-000 12915-69L60-000	EX	R6723/RNT	22.90	5	87.10	S	45°
1983	3	Swift 1.0 Eng. G10A/B 993 cc.	74	12911-82000	IN	R4549/SNT	36	7	115.5	EE	45°
				12915-82000	EX	R4550/RNT	30	7	114.5	EE	45°




VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984 1984 1988	4	Jimmy SJ 413 1.3 Swift 1.3 Samurai 1.3 Eng. G13A 1325 cc.	74	12911-82000 12915-82000	IN EX	R4549/SNT R4550/RNT	36 30	7 7	115.5 114.5	EE EE	45° 45°
1987 1995 1999 1998 2000	4	Swift 1.3 i 16V Baleno 1.3 i 16V Eng. G13B/BB Carry 1.3 i 16V Jimmy 1.3 i 16V Wagon R + 1.3 i 16V Eng. G13BB 1299 cc.	74	12911-71C00 12915-71C50	IN EX	R6121/SNT R6122/RNT	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
1989	4	Vitara Eng. G16A OHC 1590 cc.	75	12911-60A10 12915-60A50	IN EX	R4551/SNT R4552/RNT	36.5 32.5	7 7	116 114.5	EE EE	45° 45°
1989	4	Swift GTi 16V Eng. G13B 1298cc.	75	12911-86500 12915-86500	IN EX	R4742/SNT R4743/RNT	29 24.1	5.5 5.5	105.3 104.5	EE EE	45° 45°
1995 1990	4	Baleno 1.6 i 16V Viata 1.6 i 16V Gran Vitara 1.6 i 16V Eng. G16B 1590 cc.	75	12911-71C00 12915-71C50	IN EX	R6121/SNT R6122/RNT	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
2000/04 2001 2005 2003/04 2001/04	4	Ignis 1.3 i 16V Liana 1.3 i 16V Swift 1.3 i 16V Wagon R+ 1.3 i 16V Jimmy 1.3 i 16V Eng. M13A 1328 cc.	78	12911-69G00 12915-69G50	IN EX	R6210/SNT R6211/RNT	30 25	6 6	100.8 99	EE EE	45° 45°
2004 2004 2004	4	Wagon R+ 1.3 i 16V Jimmi 1.3 i 16V Ignis 1.3 i 16V Eng. M13A 1328 cc.	78	12911-54G00 12915-54G00 12915-54G50	IN EX	R6212/SNT R6213/RNT	30 25	5.5 5.5	101 99	EE EE	45° 45°
2002/04	4	Liana 1.6 i 16V Eng. M16A 1586 cc.	78	12911-69G00 12915-69G50	IN EX	R6210/SNT R6211/RNT	30 25	6 6	100.8 99	EE EE	45° 45°
2004 2006 2005	4	Liana 1.6 i 16V SX4 1.6 VVTi 16V Vitara 1.6 i 16V Eng. M16A 1586 cc.	78	12911-54G00 12915-54G00 12915-54G50	IN EX	R6212/SNT R6213/RNT	30 25	5.5 5.5	101 99	EE EE	45° 45°
1994	4	Baleno 1.8 16V Eng. G18 1840 cc.	84	12911-86FA0 12911-86F50 12915-86F50	IN EX	R6214/SNT R6215/RNT	33 28	6 6	86.3 85.9	EE EE	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2003	4	Wagon R+ 1.3 DDiS 16V	69.6	12911-85E00	IN	R6304/SCR	21.9	6	109.2	I	45°
		Ignis 1.3 DDiS 16V		12915-85E00	EX	R6305/BMCR	21.9	6	109.2	I	45°
2008		Splash 1.3 DDiS 16V		12911-68L10-000	IN	R6636/SCR	22.45	6	109.2	I	45°
2005		Swift 1.3 DDiS 16V		12915-68L10-000	EX	R6640/BMCR	22.5	6	109.2	I	45°
		EnG. D13A Eng. Z13DT 16V 1248 cc.									
2003	4	Jimny 1.5DDiS	76	7701473184	IN	R6185/S	33.5	6	100.95	I	45°
		Eng. K9K 8V 1461 cc.		7701473183	EX	R6186/BM	29	6	100.75	I	45°
2004	4	Liana 1.4 DDiS 16V	73.7	12911-73J00	IN	R6395/SCR	24.3	5.5	96.4	I	45°
		Eng. RB414D - 8HY 1398 cc.		12915-73J00	EX	R6396/BMCR	22.4	5.5	96.5	I	45°
2006	4	SX4 1.9 DDiS 4WD	82		IN	R4941/BMCR	35.5	8	115.2	I	45°
		Eng. D16AA 1910 cc.			EX	R4943/BMCR	34.47	8	115.1	I	45°
1995/98	4	Vitara 1.9 D	83	12911-86CA0	IN	R4883/RCR	38.5	8	112.4	E	45°
		Eng. XUD9A 1905 cc.		12911-66G00							
				12832-66G00							
				12915-86CA0	EX	R3988/RCR	33	8	112	E	45°
1998	4	Baleno 1.9 TD	83	12911-86CA0	IN	R4883/RCR	38.5	8	112.4	E	45°
		Vitara 1.9 TD		12911-66G00							
		Samurai 1.9 TD		12832-66G00							
		Eng. XUD9TE 1905 cc.		12915-86CA0	EX	R3988/RCR	33	8	112	E	45°
2001	4	Vitara 2.0 TDI	85		IN	R6092/SCR	35.6	6	107.1	I	45°
		Eng. RHZ 1998 cc.			EX	R6093/BMCR	33.8	6	107.1	I	45°
2002	4	Gran Vitara 2.0 Hdi	85		IN	R6161/SCR	29.9	6	106.2	I	45°
		Eng. RHW 1997 cc.			EX	R6162/BMCR	25	6	106.1	I	45°
1998	4	Gran Vitara 2.0 TD	86	12911-78E00	IN	R6333/SNT	39.4	8	106.8		30°
		1998 cc.		12915-78E00	EX	R6334/RNT	35.1	8	106.7		45°
1994	4	Vitara 2.0 TD	86		IN	R4390/SNT	41	8	107	EE	45°
		Eng. RF 1998 cc.			EX	R4391/RNT	36	8	106.8	EE	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11310 G11311 GS11310	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.03	G SM	L-X L-X
	G11308 G11309	IN/EX	40.5	6	11.07 11.12	B	C.I.
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
7565472 46433782 46433783	G11000 G11018 G11019	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
	G11319 G11320 GS11319 G11396 G11397	IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
	G11319 G11320 GS11319 G11396 G11397	IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
11116-78E01 11115-78E00	G11186 G11187 G11188 G11189	IN EX	40 46.5	8 8	14.07 14.12 14.07 14.12	G G	L L-U
	G3596 G3597	IN EX	40..5 37.7	8.03 8.03	14.03 14.03	G G	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019 RA06-900	I
12841-73J01-000	PI 06-0019 RA06-934	I
4152447	PI 03-102	M
	PI 06-0019 RA06-913	I
	PI 06-0039 RA06-915	I


NOTE
remarks

NOTE remarks
RA06-913 L46 DIA R 17MM
RA06-915 L58.4

SUZUKI DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
TATA DIESEL											
2002	4	Indica 1.4 Eng. 475IDI 1405 cc.	75	279005125104 279005125105	IN EX	R6498/SNT R6499/RNT	36 30.5	7 7	109 109	E E	45° 45°
1997 1999	4	Sumo TD Safari TD Telcoline TD Eng. 483DL 1948 cc.	83	0948.59 0949.60	IN EX	R4243/SCR R3988/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
TOYOTA											
1998	4	Yaris 1.0 Eng. 1SZFE 998 cc.	69	13711-23030 13711-97401 13711-0J010 13715-23030 13715-97401 13715-0J010	IN EX	R6072/SNT R6073/RNT	26 22.6	5 5	88.2 89.1	E E	45° 45°
1984	4	Starlet Eng. 1EL3 999 cc.	70.5	13712-10010 13711-10020 13715-10030	IN IN EX	R4660/SNT R4664/SNT R4661/RNT	20.9 30 31	6 6 6	98.6 92.4 92.3	E E E	45° 45° 45°
1985/91	4	Starlet - Corolla 12V Eng. 2EI-2E 1296 cc.	73								
2006	3	Aygo 1.0 i vvt 12V Yaris 1.0 VTI 12V IQ 1.0 Eng. 1KFRE 998 cc.	71	13711-40040 13715-40040	IN EX	R6439/SNT R6440/RNT	27.5 23.6	5 5	88.5 89.1	S S	45° 45°
2002	4	Yaris 1.3 16V Eng. 2SZ-FE 1298 cc.	72	13711-23030 13711-97401 13711-0J010 13715-23030 13715-97401 13715-0J010	IN EX	R6072/SNT R6073/RNT	26 22.6	5 5	88.2 89.1	E E	45° 45°
2008 NEW	4	Auris 1.3 16V IQ 1.3 16V Corolla VII 1.3 16V Urban Cruiser 1.3 16V Verso S 1.3 VVTi 16V Yaris II 1.3 VVT 16V Yaris III 1.3 VVT 16V Eng. 1NR-FE 1329 cc.	72.5	13711-47010 13715-47010	IN EX	R6769/SNT R6770/RNT	28.9 24.3	5.5 5.5	103.4 104.6	S S	45° 45°





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Yaris 1.3 i 16V Eng. 2NZ-FE 1299 cc.	73	13711-21010 13715-21010	IN EX	R6074/SNT R6075/RNT	30.5 25.5	5 5	89.2 87.9	E E	45° 45°
1999 2001	4	Yaris Verso 1.5 i 16V Yaris 1.5 16V Eng. 1NZ-FE	75								
2000		Prius 1.5 i 16V Eng. 1NZ-FXE 1497 cc.									
1969/72	4	Publica - Starlet 1000 Eng. 2K 993 cc. Corolla - Publica Starlet 1200 1166 cc.	72 75	13711-24010 13715-24010	IN EX	R3871/S R3872/RCR	36 29	8 8	100 100	K K	45° 45°
1974/77	4	Corolla 1200 HiLux LiteAce Publica 1200 Sprinter 1200 Starlet 1200 Eng. 3K 1166 cc.	75	13711-24011 13715-24012	IN EX	R3873/S R3874/RCR	36 29	8 8	100 100	M M	45° 45°
1978	4	Corolla 1300 LiteAce Sprinter 1300 Starlet 1300 Eng. 4K 1290 cc.									
2000 2007	4 4	Corolla 1.4 Vti 16V Auris 1.4 16V VVT-i Eng. 4ZZ-FE 1389 cc.	79	13711-0D020 13711-22040 13715-22040 13715-0D020	IN EX	R6070/SNT R6071/RNT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000	4	Avensis 1.6 i 16V Corolla 1.6 i 16V Eng. 3ZZ-FE 1598 cc.	79	13711-0D020 13711-22040 13715-22040 13715-0D020	IN EX	R6070/SNT R6071/RNT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000		Celica 1.8 i 16V VVT Eng. 2ZZ-GE 1794 cc.	79	13711-0D020 13711-22040 13715-22040 13715-0D020	IN EX	R6070/SNT R6071/RNT	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000 1999 2002 2000 2001 NEW	4	Avensis 1.8 vvti 16V Celica 1.8 i VVT 16V Corolla 1.8 i VVT 16V MR2 1.8 i VVT 16V Rav4 1.8 i VVT 16V Eng. 1ZZ-FE 1794 cc.	79	13711-22030 13715-22030	IN EX	R6599/SNT R6600/RNT	32 27.5	5.5 5.5	88.70 88.70	S S	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1970/79	4	Carina 1400 Corolla 1400 Celica 1400 Sprinter 1400 Eng. T 1407 cc.	80	13711-25011 13715-25011	IN EX	R4530/SCR R4531/RCR	41 36	8 8	109 109	M M	45° 45°
1970/76	4	Corona 1600 HiAce - HiLux ToyoAce - TownAce Eng. 12R 1587 cc.	80.5	13711-31030 13715-31030	IN EX	R3875/S R3876/RCR	40 34	8 8	109 109	K K	45° 45°
1977	4	Corona 1600 HiAce - HiLux MarkII - ToyoAce TownAce Eng. 12R 1587 cc.	80.5	13711-31050 13715-31070	IN EX	R3877/S R3878/RCR	40 34	8 8	109 109	EE EE	45° 45°
1983	4	Carina 1500 Eng. 5K 1486 cc.	80.5	13711-24011 13715-24012	IN EX	R3873/S R3874/RCR	36 29	8 8	100 100	M M	45° 45°
2006 2009	4 4	Auris 1.6 i 16V Eng. 1ZRFE 1598 cc. Yaris 1.8 i 16V Avensis 1.8 i 16V Auris 1.8 i 16V Eng. 2ZRFE 1797 cc.	80.5	13711-37020 13715-37030	IN EX	R6560/SNT R6561/RNT	32 27.5	5.5 5.5	109.4 108.3	S S	45° 45°
1987 1989 1990	4	Corolla Sedan Celica Corolla Wagon Eng. 4AF 1587 cc.	81	13711-15050 13715-15030	IN EX	R4748/SNT R4749/RNT	29.9 24.5	6 6	91.5 92	EE EE	45° 45°
1997/00 1997 1997/00	4	Avensis 1.6 i 16V Carina 1.6 i 16V Corolla 1.6 i 16V Eng. 4A-FE 1587 cc.	81	13711-02050 13715-16060	IN EX	R6125/SNT R6124/RNT	31 24.5	6 6	87.5 87.9	EE EE	45° 45
1997/00 1997 1997/00 1997/00	4	Avensis 1.8 i 16V Carina 1.8 i 16V Celica 1.8 i 16V Corolla 1.8 i 16V Eng. 7A-FE 1762 cc.	81	13711-02050 13711-15090 13715-16060	IN EX	R6125/SNT R6124/RNT	31 24.5	6 6	87.5 87.9	EE EE	45° 45

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1980	4	Corona 2000 Eng. 21 RU 1972 cc.	84	13711-35010 13711-35030	IN	R6020/SNT	45	8	113.3	M	45°
1980	4	Coaster Eng. 22 R 2366 cc.	92	13715-35020 13715-35030	EX	R6021/RNT	37	8	112.4	M	45°
1983	4	TownAce Eng. 1Y 1626 cc. LiteAce - MasterAce Eng. 2Y 1812 cc. HiAce - HiLux MasterAce - TownAce Eng. 3Y 1998 cc.	86	13711-71010 13715-71010	IN EX	R6025/SNT R6026/RNT	40.1 36	8 8	108.3 108.6	EE EE	45° 45°
1984/89	4	Van - Wagon Eng. 4YEC USA 1998 cc.									
1997	4	Avensis 2.0 i 16V	86	13711-74101	IN	R6126/SNT	32	6	97.5	EE	45°
1996		Rav4 2.0 i 16V		13715-74100	EX	R6127/RNT	27	6	98.5	EE	45°
1998		Carina 2.0 i 16V									
1998		Picnic 2.0 i 16V Eng. 3S-FE 1998 cc.									
1997/00	4	Avensis 2.0 i 16V Eng. 3S-FE Japanese production 1998 cc.	86	13711-15090 13715-16060	IN EX	R6123/SNT R6124/RNT	31 24.5	6 6	87.5 87.9	EE EE	45° 45
2000	4	Rav4 2.0 16V Avensis Verso 2.0 16V Eng. 1AZFE 1998 cc.	86	13711-28010 13715-28010	IN EX	R6294/SNT R6295/RNT	33.9 29.5	5.5 5.5	101.7 101.1	EE EE	45° 45°
1996 NEW	V6	Camry 3.0 V6 Eng. 1MZ-FE 2995 cc.	87.5	13711-20020 13715-20020	IN EX	R6641/SNT R6642/RNT	34 27.3	5.5 5.5	95.2 95.3	S S	45° 45°

TOYOTA DIESEL

2004	4	Corolla 1.4 D4-D Eng. 1ND-TV 1364 cc.	71	13711-33030 13715-33040	IN EX	R6320/SNT R6321/RNT	30.8 28	6 6	100 99.8	S S	45° 45°
2006	4	Auris 1.4 D-4D Eng. 1ND-TV 1364 cc.	71	13711-33030 13715-33040	IN EX	R6320/SNT R6321/RNT	30.8 28	6 6	100 99.8	S S	45° 45°
2001	4	Yaris 1.4D-4D	73	13711-33030	IN	R6320/SNT	30.8	6	100	S	45°
2007	4	Auris 1.4D-4D Eng. 1ND-TV 1364 cc.		13715-33040	EX	R6321/RNT	28	6	99.8	S	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	Aygo 1.4 D Eng. 2WZ-TV DV4TD 1398 cc.	73.7	SU001-00551 SU001-00552	IN EX	R6149/SCR R6150/BMCR	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°
1999 1999 2001 2001	4	Avensis 2.0 D4-D 16V Corolla 2.0 D4-D 16V Previa 2.0 D4-D 16V Rav 4 2.0 D4-D 16V Eng. 1CD-FTV 1995 cc.	82.2	13711-27010 13715-27010	IN EX	R6183/RNT R6184/RNT	28 24	6 6	102.5 102	S S	45° 45°
1999	4	Corolla 1.9 D Eng. 1WZ 1868 cc.	82.2		IN EX	R4243/SCR R4810/RCR	38.5 33	8 8	112.4 112	E E	45° 45°
1981/85	4	Camry1800 D Corolla 1800 D Corona 1800 D TownAce 1800 D Vista 1800 D Eng. 1C 1974 cc.	83	13711-64010 13715-64010	IN EX	R4444/SNT R4445/RNT	38.5 32.5	8 8	106.5 106.5	EE EE	45° 45°
1983/85	4	TownAce 2000 D Eng. 2C 1974 cc.	86								
2006 2006	4	Auris 2.0 16V D-4D Eng. 1ADFTV 1998 cc. Avensis 2.2 16V D-4D Auris 2.2 16V D-4D Rav4 2.2 16V D-4D Corolla Verso 2.2 16V D-4D Eng. 2ADFTV 2230 cc.	86	13711-0R010 13715-0R010	IN EX	R6562/SNT R6563/RNT	30 27	6 6	104.5 104.1	S S	45° 45°
1977/89	4	Hi-Ace 2.2 D Eng. L 2173 cc.	90	13711-54020 13711-17010 13714-54040 13715-17010	IN EX	R6314/SNT R6414/RNT	42.4 36.1	8 8	103.3 103.3	S S	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
11122-27010	G11369	IN/EX	40.6	6	11.04	G	L-X
0220.75	G3163 G3164 G3165	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	G3528 G11025	IN/EX	48	8.02	14.05 14.10	B	C.I.
11126-24020	G2746 G3050	IN/EX	50	8	13.06 13.11	G	L-X-U
11122-30020	G11368	IN/EX	40.6	6	11.04	G	L-X
11122-68010	G11249 G11250	IN/EX	40	8.01	13.04 13.09	G	L-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
SU001-00557	PI 06-0019 RA06-914	I



NOTE
remarks

TOYOTA DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1978	4	Chaser 2200 D Cresta 2200 D Crown 2200 D HiAce D - HiLux D ToyoAce D Eng. L 2188 cc.	90	13711-54010 13715-54010	IN EX	R4399/SNT R4400/RNT	42.6 35	8.5 8.5	123 122.8	I I	45° 45°
1983	4	Chaser 2400 D Crown 2400 D Mark II 2400 D Eng. 2L 2446 cc.	92								
1990	4	4 Runner 2.4 TD Eng. 2LT Hi-Lux 2.4 D/TD Land Cruiser 2.4 D/TD	92	13711-54010 13715-54010	IN EX	R4399/SNT R4400/RNT	42.6 35	8.5 8.5	123 122.8	I I	45° 45°
1985/95		Hi-Ace 2.4 Eng. 2L-2LT Head wirh 3 supports camshaft 2446 cc.									
1990	4	4 Runner 2.4 TD Hi-Lux 2.4 D/TD Land Cruiser 2.4 D/TD Eng. 2L-2LT Head wirh 5 supports camshaft 2446 cc.	92	13711-54020 13714-54040	IN EX	R6314/SNT R6414/RNT	42.4 36.1	8 8	103.3 103.3	S S	45° 45°
	4	Hi-Lux 2.5D-4D Eng. 2KD-FTV 2494 cc.	92	13711-30040 13715-30040	IN EX	R6622/SNT R6623/RNT	30.5 26.5	6 6	105.6 105.8	S S	45° 45°
1998	6	Land Cruiser 4.2 TDI 24V Eng. 1HD-FTE 4164 cc.	94								
1972/80	4	Coaster - Dyna Route Eng. B 2977 cc.	95	13711-56010 13715-56010	IN EX	R4665/SNT R4666/RNT	45 37.5	9 9	128 127.9	M M	45° 45°
1980	4	Coaster Dyna D Landcruiser D ToyoAce D Eng. B 3168 cc.	95	13711-56030 13715-56030	IN EX	R4667/SNT R4668/RNT	45 37.5	9 9	128 127.7	E E	45° 45°
1977	4	Coaster Landcruiser D Eng. 2B 3168 cc.	98								





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988	4	Dyna 150 2.8 TD Eng. 3L 2778 cc.	96	13711-54020 13714-54040	IN EX	R6314/SNT R6414/RNT	42.4 36.1	8 8	103.3 103.3	S S	45° 45°
1993/96	4	4 Runner 3.0 TD Land Cruiser 3.0 TD Eng. 1KZ-T	96	13711-54020 13715-67020	IN EX	R6314/SNT R6315/RNT	42.4 37	8 8	103.3 103.5	S S	45° 45°
1996/01		Land Cruiser 3.0 TD Eng. 1KZ-TE 2982 cc.									
2000	4	Land Cruiser 90 16V Land Cruiser 120 16V Hi-Lux 3.0D Eng. 1KD-FTV 2982 cc.	96	13711-30030 13715-30030	IN EX	R6316/SNT R6317/RNT	32.2 27.7	6 6	105.4 105.4	S S	45° 45°
VOLKSWAGEN											
1996/99	4	Polo 1.0 i Lupo 1.0 i Eng. AER - ALL 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	R4964/S R4965/R	31 26	7 7	94.8 94.4	I I	45° 45°
1998 1999/02 NEW	4	Lupo 1.0 i Polo 1.0 i Eng. ALD - AUC - ANV 999 cc.	67.1	030 109 601AK 030 109 611S	IN EX	R6351/S R6352/R	31 26	6 6	99 98.9	I I	45° 45°
1975/79 1977/79	4	Polo GL - L Derby GL - L 895 cc.	69.5	052 109 601 052 109 611	IN EX	R3477/S R3478/R	31.5 28	8 8	104 104	EE EE	45° 45°
1974/79 1975/79 1975/84 1977/79		Golf GL - L - Formel E Polo GLS - LS - S Scirocco GL - L Derby GLS - LS - S 1093 cc.									
1994	4	Derby C - CL - GL Golf GL - CL Formel E Polo GL - CL Formel E Scirocco C - GL - CL 1093 cc.	69.5	036 109 601B 036 109 601C 052 109 611A	IN IN EX	R3763/S R3726/S R3727/R	34 31.5 28	8 8 8	104 104 104	I I I	45° 45° 45°
2010 NEW	4	Caddy 1.2 TSI Golf VI 1.2 TSI Golf Plus 1.2 TSI	71	03F 109 601A 03F 109 611B 03F 109 611C	IN EX	R6718/S R6719/RCR	35.5 30	6 6	98.65 98.35	I I	45° 45°
2009 2010		Polo 1.2 TSI Touran 1.2 TSI Beetle 1.2 TSI Jetta 1.2 TSI Eng. CBZA-CBZB 1197 cc.									

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
09/98-05/00	4	Lupo 1.0 i Eng. AHT 997 cc.	72	047 109 601B 047 109 611B	IN EX	R6349/SCR R6350/RCR	31.5	7	103.6	I	45°
							27	7	103.7	I	45°
2011 NEW	3	UP 1.0 Eng. CHYA-CHYB 999 cc.	74.5	04E 109 601 04E 109 611L	IN EX	R6778/S R6779/RCR	29.5	5	110.3	I	45°
							26.9	5	110.3	I	45°
10.90/91 10.90/92 1985/94	4	Golf 1050 Polo 1.0 Polo 1.0 i Eng. HZ-AAK-ACM 1043 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	R4645/SCR R4646/SCR R4367/R	36	8	99.3	I	45°
							32	8	99.3	I	45°
							28.9	8	99.1	I	45°
1989/07-94	4	Polo 1.0 i Eng. AAU Until chassi n.80-NW-500000 1043 cc.	75	030 109 601E 030 109 611A	IN EX	R4646/SCR R4367/R	32 28.9	8 8	99.3 99.1	I I	45° 45°
08-94	4	Polo 1.0 i Eng. AAU From chassi n.80-NW-50001 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	R4886/S R4803/R	32	7	99.2	I	45°
							29	7	99.2	I	45°
1994/96	4	Polo 1.0 i Eng. AEV 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	R4886/S R4803/R	32 29	7 7	99.2 99.2	I I	45° 45°
1981	4	Derby C - CL - GL Polo C - CL - GL 1050 cc.	75	036 109 601A 036 109 611	IN EX	R3976/S R3977/R	34	8	110.5	I	45°
							28	8	110.5	I	45°
1977/79 1978/79	4	Derby LS - GLS Polo LS - GLS 1272 cc.	75	052 109 601 052 109 611	IN EX	R3477/S R3478/R	31.5	8	104	EE	45°
							28	8	104	EE	45°
1981	4	Derby LS - GLS Golf L - LS - GL - GLS Jetta L - LS - GL - GLS Passat L - GL Polo LS - GLS Scirocco L - GL - GT 1272 cc.	75	036 109 601B 052 109 611A	IN EX	R3763/S R3727/R	34	8	104	I	45°
							28	8	104	I	45°
1983	4	Derby C - CL - GL Golf C - CL-GL Formel E Polo C - CL - GL Polo GT Coupé 1272 cc.	75	036 109 601A 036 109 611	IN EX	R3976/S R3977/R	34	8	110.5	I	45°
							28	8	110.5	I	45°
1983	4	Jetta C - CL - GL Passat C - L 1297 cc.	75	049 109 601F 049 109 611F	IN EX	R3728/S R3729/R	34	8	98.7	I	45°
							31	8	98.5	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
032 10 3419A	G11181	IN/EX	33	6.98	11.07	B	C.I.-F
	G11182				11.12		
	G11183				11.27		
032 103 418A	G11198	IN/EX	33	7	11.07	B	C.I.
	G11199				11.12		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
	G3535	IN/EX	36.5	7	11.06	B	C.I.
	G11197				11.16		
	G3535	IN/EX	36.5	7	11.06	B	C.I.
	G11197				11.16		
049 10 419	G3061	IN/EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
049 103 419	G3061	IN/EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	
	PI 06-0001	I
	PI 06-0001	I


**NOTE
remarks**
VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985	4	Golf CL - GL Jetta CL -GL Polo C 1043 cc. Golf CL - GL Jetta CL -GL	75	030 109 601C 030 109 611A	IN EX	R4368/S R4367/R	36 28.9	8 8	98.9 99	I I	45° 45°
1985/87		Polo C - CL - GL - GT 1272 cc.									
1973/78	4	Pssat L - N - GL 1272 cc.	75	056 109 601A 056 109 601C	IN	R3536/S	34	8	98.7	EE	45°
1974/75		Scirocco Golf S - LS - GL	76.5	056 109 611A	EX	R3537/R	31	8	98.5	EE	45°
1973/75		Passat GL - LS - S - TS Scirocco GL - LS - TS 1471 cc.									
1989/94	4	Polo 1.3 i Eng. 2G-3F-NZ-AAV Until chassi n.80-NW-500000 1272 cc.	75	030 109 601D/F 030 109 611A	IN EX	R4645/SCR R4367/R	36 28.9	8 8	99.3 99.1	I I	45° 45°
1989/94	4	Polo 1.3 i Eng. 2G-3F-NZ-AAV From chassi n.80-NW-50001 1272 cc.		030 109 601L 030 109 611D	IN EX	R4802/S R4803/R	36 29	7 7	99.3 99.2	I I	45° 45°
1991/07-94 1992/07-94	4	Golf 1.4 i Vento 1.4 i Eng. ABD 1390 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	R4645/SCR R4646/SCR R4367/R	36 32 28.9	8 8 8	99.3 99.3 99.1	I I I	45° 45° 45°
08-94/99 08-94/99	4	Golf 1.4 i Vento 1.4 i Eng. ABD 1390 cc.	75	030 109 601L 030 109 601J 030 109 611D	IN IN EX	R4802/S R4873/S R4803/R	36 34 29	7 7 7	99.3 99 99.2	I I I	45° 45° 45°
2002 2005	3	Polo 1.2 i Fox 1.2 i Eng. AWY-BMD 1198 cc.	76.5	032 109 601L 030 109 611T	IN EX	R6452/S R6198/BM	34.5 28	6 6	99.1 99.2	I I	45° 45°
2002	3	Polo 1.2 i 12V Eng. AZQ-BME 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1994/99 1993/99 1997 1995/97	4 4 4 4	Polo 1.4 i Golf 1.4 i Caddy 1.4 i Vento 1.4 i Eng. AEX - AKV -AEF Eng. APQ 1390 cc.	76.5	030 109 601AH 032 109 611G	IN EX	R4952/S R4805/R	35.6 29	7 7	94.8 95	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
049 103 419	G3061	EX	42.3	8	12.06	B	C.I.-F
	G3062				12.11		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
	G3535	IN/EX	36.5	7	11.06	B	C.I.
	G11197				11.16		
056 103 419A	G2664	IN/EX	36.5	8	12.06	B	C.I.-F
	G2665				12.11		
	G2666				12.16		
	G3535	IN/EX	36.5	7	11.06	B	C.I.
	G11197				11.16		
030 103 419A	G11194	IN/EX	36.5	6.98	11.07	B	C.I.-F
	G11195				11.12		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
	G11020				11.11		
032 103 419A	G11181	IN/EX	33	6.98	11.07	B	C.I.-F
	G11182				11.12		
	G11183				11.27		

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
030 109 411	PI 06-0008	I
030 109 411B	RA06-939	
030 109 417B		
030 109 417D		
	PI 06-0008	I
	RA06-938	
034 109 309N	PI 06-0001	I


 NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Polo 1.4 16V Eng. AFH 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	R4966/S R4967/R	29.5 26	6 6	98 97.2	I I	45° 45°
1998 1997 1998 2000/04 1998 2001	4	Lupo 1.4 i 16V Golf 1.4 i 16V Bora 1.4 i 16V Eng. AHW-AKQ-AUA Eng. AUB-BBY Caddy 1.4 i 16V Eng. AUA Polo 1.4 i 16V Eng. AFK-AHW-AQQ- AUA-AUB Polo 1.4 i 16V Eng. AXU-BBY-BBZ-BKY 1390 cc.	76.5	036 109 601S 036 109 611K	IN EX	R6013/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
1995/04 1995/01 2000	4	Caddy 1.4 i 16V Polo 1.4 i 16V Lupo 1.4 i 16V Eng. AUD - AKK - AKP 1390 cc.	76.5	030 109 601AL 030 109 611T	IN EX	R6197/S R6198/BM	33.5 28	6 6	99.2 99.2	I I	45° 45°
1995/04 1995/01 2000	4	Caddy 1.4 i 16V Polo 1.4 i 16V Lupo 1.4 i 16V Eng. AUD - AKK - AKP 1390 cc.	76.5	030 109 601AL 030 109 611T	IN EX	R6197/S R6198/BM	33.5 28	6 6	99.2 99.2	I I	45° 45°
2003 2006	4	Golf 1.4 16V FSI Touran 1.4 16VFSI Eng. BKG-BUD-BMY Eng. BLG 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
2005	4	Fox 1.4 i 16V Eng. BKR 1390 cc.	76.5	032 109 601L 032 109 611L	IN EX	R6452/S R6198/BM	34.5 28	6 6	99.1 99.2	I I	45° 45°
2007	4	Tiguan 1.4 TSI 16V Eng. BWK-CAVA 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	R6205/S R6014/BM	29.5 26	6 6	100.9 100.57	I I	45° 45°
2008 2008 2008 2008	4	Scirocco 1.4 TSI 16V Eos 1.4 TSI 16V Jetta 1.4 TSI 16V Golf VI 1.4 TSI 16V Eng. CAVD 1390 cc.	76.5	036 109 601AL 036 109 611AE	IN EX	R6827/S R6014/BM	29.5 26	6 6	100.7 100.57	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020 G11592*	IN/EX	36	6	11.06 11.11	B	C.I.
		IN/EX	36	6	11.06	G	C.I.
	G11582 G11583	IN/EX	39	5.98	11.06 11.11	B	C.I.
	G11499 G11502	IN/EX	39	5.98	11.06 11.11	G	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0008 RA06-938	I
059 109 521C 059 109 521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	PI 06-0008 RA06-939	I
059 109 521C 059 109 521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	PI 06-0008 RA06-939	I
	PI 06-0008 RA06-938 RA06-948	I
	PI 06-0008 RA06-938	
030 109 423	PI 06-0008 RA06-948	I
030 109 423	PI 06-0008 RA06-948	I


**NOTE
remarks**
G11592*
CAST IRON VERSION

RA06-938
Only Eng. BKG

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.					
							D	d	L			
2009 NEW	4	Passat 1.4 TSI Ecofuel Touran 1.4 TSI Ecofuel Eng. CDGA 1390 cc.	76.5	03C 109 601L	IN	R6776/SARNT	29.5	6	100.7	I	45°	
				03C 109 611Q	EX	R6777/BMARNT	26	6	100.7	I	45°	
1994	4	Polo 1.6 i	76.5	032 109 601G	IN	R4804/S	34.6	7	94.8	I	45°	
1994/97		Vento 1.6 i		030 109 601AH	IN	R4952/S	35.6	7	94.8	I	45°	
1994/97		Golf 1.6 i Eng. AEA-ABU-AEE-AHS 1598 cc.		032 109 611G	EX	R4805/R	29	7	95	I	45°	
1995	4	Caddy 1.6 Eng. 1F 1598 cc.	76.5	048 109 601E	IN	R6451/S	38	7	91.8	I	45°	
				048 109 611B	EX	R4807/R	32.9	7	91.2	I	45°	
1995	4	Caddy 1.6 i Eng. AEE 1598 cc.	76.5	032 109 601G	IN	R4804/S	34.6	7	94.8	I	45°	
				030 109 601AH	IN	R4952/S	35.6	7	94.8	I	45°	
				032 109 611G	EX	R4805/R	29	7	95	I	45°	
1998		Polo 1.6 i 16V Eng. ARC-AJV 1598 cc.	76.5	036 109 601S	IN	R6013/S	29.5	6	100.9	I	45°	
				036 109 611K	EX	R6014/BM	26	6	100.57	I	45°	
1999	4	Golf 1.6 i 16V Bora 1.6 i 16V Eng. ATN-AUS-AZD 1598 cc.	76.5	036 109 601AD	IN	R6205/S	29.5	6	100.9	I	45°	
				036 109 611K	EX	R6014/BM	26	6	100.57	I	45°	
2002	4	Golf 1.6 FSI 16V Bora 1.6 FSI 16V Eng. BAD 1598 cc.	76.5	036 109 601AD	IN	R6205/S	29.5	6	100.9	I	45°	
				036 109 611K	EX	R6014/BM	26	6	100.57	I	45°	
2003	4	Golf 1.6 FSI 16V Passat 1.6 FSI 16V Touran 1.6 FSI 16V Jetta 1.6 FSI 16V Eos 1.6 FSI 16V Polo 1.6 FSI 16V Eng. BAG-BLF-BLP-BTS 1598 cc.	76.5	036 109 601AD	IN	R6205/S	29.5	6	100.9	I	45°	
				036 109 611K	EX	R6014/BM	26	6	100.57	I	45°	
1960	4	1200 - 1200A 113 - 117 - 141 - 151 Transporter 211 1192 cc.	77	113 109 601A	IN	R1228/S	31.5	8	112	I	45°	
				113 109 612 113109611C/D	EX	R1229/R	30	8	112	I	45°	
1972	4	1300 L - 1302 - 1303 L 1285 cc.	77	311 109 601	IN	R1417/S	35.5	8	112	I	45°	
				311 109 612	EX	R3006/RCR	32	8	112	I	45°	
				311 109 612A								
1974/81	4	Golf GLS - LS - S Scirocco GL - GT - LS 1457 cc.	79.5	056 109 601A	IN	R3536/S	34	8	98.7	EE	45°	
				056 109 601C 056 109 611A	EX	R3537/R	31	8	98.5	EE	45°	
1975/80		Passat GLS - LS - S Scirocco GL - GT - LS 1588 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
032 10 3419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032 103 418A	G11198 G11199	IN/EX	33	7	11.07 11.12	B	C.I.
051 103 419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
032 10 3419A	G11181 G11182 G11183	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 10 3415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
113 101 401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113 10 1415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
113 101 401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113 10 1415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521C 036 109 411E	PI 06-0008 RA06-948	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
059 109 521C	PI 06-0008 RA06-938	I
	PI 06-0008 RA06-938	I
	PI 06-0008 RA06-938	I
	PI 06-0008 RA06-948	I


 NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1981	4	Golf C - CL - GL Jetta C - CL - GL - GLS Scirocco GL - GLS - GT Passat CL-GL-Formel E Passat Variant 1457 cc.	79.5	049 109 601F	IN	R3728/S	34	8	98.7	I	45°	
				049 109 611F	EX	R3729/R	31	8	98.5	I	45°	
1975/82	4	Golf GLI - GTI Jetta GLI - GTI Scirocco GLI - GTI 1588 cc.	79.5	049 109 601A	IN	R3611/XB	38	8	105.5	EE	45°	
				049 109 611A	EX	R3612/RAR	31	8	105.5	EE	45°	
1981	5	Passat CL5 - GL5 Santana CL5 - GL5 1921 cc.	79.5	035 109 601C	IN	R4111/S	38	8	98.5	I	45°	
				035 109 611F	EX	R4202/RCR	33	8	98.5	I	45°	
08-95/92 08-95/91 1985/88 08-95/91 08-95/92	4	Golf 1.6 Jetta 1.6 Passat 1.6 Scirocco 1.6 Caddy 1.6 Eng. EW-EZ-HM-HN Eng. RF-RL 1595 cc.	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
				048 109 611 A	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1987/88		Passat 1.6 Eng. PP 1595 cc.	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
				048 109 611 A	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1988/92	4	Passat 1.6 Eng. EZ 1595 cc.	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
				053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1994/95 1994 1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Eng. AEK Until eng. N. 000813 1595 cc.	81	048 109 601 A	IN	R4643/SCR	39.5	8	91.9	I	45°	
				048 109 611 A	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1994/95 1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Eng. AEK From eng. N. 000814 1595 cc.	81	078 109 601B	IN	R4806/S	39.5	7	91.9	I	45°	
				048 109 611B	EX	R4807/R	32.9	7	91.2	I	45°	
1994 1996 1996 1998 1995	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Bora 1.6 i Polo 1.6 i Eng. AEH-AKL-APF Eng. ADP-AHL-ARM-AFT 1595 cc.	81	078 109 601B	IN	R4806/S	39.5	7	91.9	I	45°	
				048 109 611B	EX	R4807/R	32.9	7	91.2	I	45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 10 3419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
049 103 419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I


NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	New Beetle 1.6i 8V Eng. AWH-APF 1595 cc.	81	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1984	4	Golf C - CL - GL Jetta C - CL - GL Passat C - CL - GL Santana CX - GX - LX Scirocco GT - GTL 1595 cc. Passat CL - Santana LX 1781 cc.	81	035 109 601C 035 109 611F	IN EX	R4111/S R4202/RCR	38 33	8 8	98.5 98.5	I I	45° 45°
2000 2000	4	Passat 1.6 Eng. ALZ New Beetle 1.6 i Eng. AYD 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4 33	6 6	94 94	I I	45° 45°
2003 2000 2000 2004	4	Touran 1.6 i Golf 1.6 i Bora 1.6 i Caddy 1.6 i Eng. AVU-BGU Eng. BSE-BSF 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	R6155/S R6156/BM	39.4 33	6 6	94 94	I I	45° 45°
1983/84 1983	4	Golf GLI - GTI Scirocco GLI - GTI Eng. DZ 1781 cc.	81	026 109 601 035 109 611F	IN EX	R4201/XBCR R4202/RCR	40 33	8 8	98.5 98.5	I I	45° 45°
1985	4	Golf - Jetta - Passat 1595 cc. Golf CI - GLI Jetta - Passat - Scirocco 1781 cc.	81	035 109 601H 026 109 611A	IN EX	R4115/S R4116/R	38 33.1	8 8	91 91	I I	45° 45°
1985/91 08.82/92 1987/91 1984/88	4 4	Golf 1.8 i Jetta 1.8 i Eng. RV-PF-RD Jetta 1.8 i Golf 1.8 i Eng. GZ-KT-DX-EV Golf 1.8 i Jetta 1.8 i Eng. PB 1781 cc.	81	026 109 601C 053 109 611	IN EX	R4521/R R4642/BMARCR	40 33.2	8 8	91 91.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 10 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
058 103 415	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G11384 G11385	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	G11584 G11585	IN/EX	38.5	5.98	12.06 12.11	B	C.I.
	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
049 103 419	G3061 G3062	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665	IN	36.5	8	12.06 12.11	B	C.I.-F





**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I
022 109 423A 06B 109 417C	PI 06-0019 RA06-943	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


**NOTE
remarks**
VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1986/91	4	Golf 1.8 i 16V	81	027 109 601C	IN	R4294/R	32	7	95.5	EE	45°	
1986/91		Jetta 1.8 GTI 16V		027 109 611D	EX	R4295/BMARCR	28	7	98	EE	45°	
1988/89		Passat 1.8 i 16V										
1989/92		Corrado 1.8 i 16V										
1986/91		Scirocco 1.8 i 16V										
		Eng. PL - KR 1781 cc.										
1988	5	Golf CL - GT Syncro	81	035 109 601H	IN	R4115/S	38	8	91	I	45°	
1986		Jetta CL - GT Syncro		053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
		Passat CL - GL										
1995		Passat										
1985	Passat GT Syncro											
		Eng. PN - RF 1781 cc.										
		Eng. HY-KV 2226 cc.										
1991/92	4	Golf 1.8 i	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
		Eng. ABN 1781 cc.		053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1991/94	4	Golf 1.8 i	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
		Passat 1.8 i		053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
		Vento 1.8 i										
		Eng. ABS 1781 cc.										
1991/94	4	Golf 1.8 i	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
1990/94		Passat 1.8 i		053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1991/94		Vento 1.8 i										
		Eng. AAM Up to eng. N. 408197 1781 cc.										
1994/97	4	Golf 1.8 i	81	048 109 601E	IN	R6451/S	38	7	91.8	I	45°	
1994/97		Passat 1.8 i		048 109 611B	EX	R4807/R	32.9	7	91.2	I	45°	
1994/98		Vento 1.8 i										
		Eng. AAM Up to eng. N. 408198 1781 cc.										
1994/98	4	Golf 1.8 i	81	035 109 601K	IN	R4641/SCR	38	8	91.9	I	45°	
1994/98		Passat 1.8 i		053 109 611	EX	R4642/BMARCR	33.2	8	91.2	I	45°	
1994/98		Vento 1.8 i										
		Eng. ADZ Up to eng. N. 001108 1781 cc.										

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
027 103 419	G3288 G3289	IN/EX	38	7	12.06 12.11	B	C.I.
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G2661*	IN/EX	36.5	8	12.06	B	C.I.
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
051 103 419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I






NOTE
remarks

***G2661**
SPECIAL VERSION

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/98 1994/98 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i Eng. ADZ Up to eng. N. 001109 1781 cc.	81	048 109 601E 048 109 611B	IN EX	R6451/S R4807/R	38 32.9	7 7	91.8 91.2	I I	45° 45°
1997	4	Polo 1.8 Eng. ADZ 1781 cc.	81	048 109 601E 048 109 611B	IN EX	R6451/S R4807/R	38 32.9	7 7	91.8 91.2	I I	45° 45°
1998 1997	4	Bora 1.8 i 20V Golf 1.8 i 20V Eng. AGN	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1999 1997	4	Passat 18 i 20V Eng. APT 1781 cc. Passat 18 i 20V Eng. AFY 1984 cc.									
2000 1997	4	Bora 1.8 i Turbo 20V Golf 1.8 i Turbo 20V Eng. ARX-AUM 1781 cc.	81	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997 1999 1996 1996	4	Golf 1.8 i Turbo 20V New Beetle 1.8 i T 20V Passat 1.8 i Turbo 20V Sharan 1.8 i Turbo 20V Eng. AGU-AQA-AVC Eng. AEB-APU-AWT-AJH 1781 cc.		058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1990/92	4	Transporter 1.8 Eng. PD 1781 cc.	81	035 109 601K 048 109 611A	IN EX	R4641/SCR R4642/BMARCR	38 33.2	8 8	91.9 91.2	I I	45° 45°
1990/98	4	Transporter 2.0 i Eng. AAC 1968 cc.	81	048 109601A 053 109 611	IN EX	R4643/SCR R4642/BMARCR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1990	5	Transporter 2.5 i Eng. AAF-ACU-AEN-AEU Eng. AET 2459 cc.	81	048 109601A 053 109 611	IN EX	R4643/SCR R4642/BMARCR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1996	5	Transporter 2.5 i Eng. AVT 2461 cc.	81	048 109601A 053 109 611	IN EX	R4643/SCR R4642/BMARCR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
051 103 419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
051 103 419	G3561 G3592	IN/EX	35	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552	IN/EX	36	6	11.06	B	C.I.
056 103 419A	G2664 G2665	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I


**NOTE
remarks**

***R4853/BMARCR**
Retainer stem end
3.40 mm

***R4853/BMARCR**
Retainer stem end
3.40 mm

***R6189/BMARCR**
Retainer stem end
5.00 mm

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/98	6	Golf GTI VR6 Vento GL/GT VR6 Passat GL/GT VR6 2792 cc.	81								
1994	6	Golf GTI VR6 Syncro Eng. ABV 2861 cc.	82								
2008	4	Passat 1.8 TSFI CC 1.8 TSFI Golf 1.8 TSFI Eng. CDAA 1798 cc.	82.5	06D 109 601M 06D 109 611L	IN EX	R6580/SCR R6207/BMCR	34 28	6 6	104 102	I I	45° 45°
1988/93 1991/95 1989/91 1989/92	4	Passat 2.0 i 16V Corrado 2.0 i 16V Golf 2.0 i 16V Jetta 2.0 i 16V Eng. 9A 1984	82.5	027 109 601C 027 109 611D	IN EX	R4294/R R4295/BMARCR	32 28	7 7	95.5 98	EE EE	45° 45°
1992/97 1994/97 1996	4	Golf 2.0 i 16V Passat 2.0 i 16V Sharan 2.0 i 16V Eng. ABF 1984 cc.	82.5	051 109 601B 051 109 611B	IN EX	R4808/S R4809/R	32 27	7 7	95.5 98	I I	45° 45°
1993/95 1994 1994 1994/97	4	Corrado 2.0 i Eng. 2E Vento 2.0 i Golf 2.0 i Passat 2.0 i Eng. AGG 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1993/94 1990/94 1990/94 1993/94	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. ADY Up to eng. N. 000778 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	R4643/SCR R4642/BMARCR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994/95 1994/96 1994/97 1994/95	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. ADY From eng. N. 000779 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
027 103 415	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
027 103 415	G3504 G3505	IN/EX	38	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	PI 06-0019 RA06-945	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I



NOTE
remarks

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991/94 1990/94 1992/94	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. 2E Up to eng. N. 565664 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	R4643/SCR R4642/BMARCR	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994 1994	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i Eng. 2E From eng. N. 565665 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995	4	Sharan Eng. ADY 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995/96 1995/97 1995/97	4	Passat 2.0 i Vento 2.0 i Golf 2.0 i Eng. AEP 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1998 1998 1998	4	Bora 2.0 i Golf 2.0 i New Beetle 2.0 i Eng. APK-AQY 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	Passat 2.0 i Eng. AZM 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	R4806/S R4807/R	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2004 2003 2007	4	Golf 2.0 FSI 16V Touran 2.0 FSI 16V Tiguan 2.0 TSFI 16V Eng. AXW-BLX-BLY Eng. AXX-BWA-CAWB 1984 cc.	82.5	079 109 601B 06D 109 601M 06D 109 601K 06E 109 601E 06D 109 611L	IN IN EX	R6580/SCR R6206/S R6207/BMCR	33.9 34 28	6 6 6	104 104 102	I I I	45° 45° 45°
2005 2005 2006	4	Passat 2.0 FSI 16V Jetta 2.0 FSI 16V Eos 2.0 FSI 16V Eng. BLX-BLY-BLR 1984 cc.	82.5	06D 109 601M 06D 109 601K 06D 109 611L 06D 109 611K 06D 109 611H	IN EX	R6206/S R6207/BMCR	34 28	6 6	104 102	I I	45° 45°
1994	V6	Passat 2.8 i V6 30V Eng. AGE-ACK-ALG-AHA Eng. APR-AQD 2771 cc.	82.5	058 109 601C 058 109 611E	IN EX	R4852/SARCR R6189/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2000	V6	Passat 2.8 V6 30V Eng. BBG-AMX 2771 cc.	82.5	058 109 601C 058 109 611M	IN EX	R4852/SARCR R4853/BMARCR*	26.9 29.8	6 6	105.9 103.9	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	G3552 G11020	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0001	I
	PI 06-0019 RA06-944* RA06-945*	I
	PI 06-0019 RA06-944	I

NOTE
remarks

RA06-944
Eng. AXB-BLX-BLY-
AAX-BWA
RA09-945
Eng. CAWB





***R6189/BMARCR**
Retainer stem end
5.00 mm

***R4853/BMARCR**
Retainer stem end
3.40 mm

VOLKSWAGEN

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 NEW	V6	Tuareg 3.2i V6 24V	84	022 109 601H	IN	R6702/SARCR	33.2	6	136.3		45°
		Phaeton 3.2i V6 24V		022 109 601G		EX	R6703/SARCR	33.2	6		102.4
		Multivan 3.2 i V6 24V		022 109 611P	R6704/BMARCR		30.2	6	136.1		45°
		Golf 3.2i V6 24V		022 109 611N	R6705/BMARCR	30.2	6	102.2	45°		
		Eos 3.2i V6 24V Eng. AXZ-AZZ-BKJ-BMV Eng. BRJ-AYT-BKL-BRK Eng. BDL-BKK-BFH-BML Eng. BUD-CBR 3189 cc.									
1963/75	4	1500 - 1600 Transporter	85.5	311 109 601	IN	R1417/S	35.5	8	112		45°
1970		1493 cc. 1300 L - LS 1302 S 1303 L - S 1584 cc.		311 109 612 311 109 612A	EX	R3006/R	32	8	112		45°
1973/74	4	Bus - Transporter 1584 cc.	85.5								
2005 NEW	V6	Passat 3.2 FSI V6 24V Eng. AXZ 3168 cc.	89	022 109 601H	IN	R6702/SARCR	33.2	6	136.3		45°
				022 109 601G		EX	R6703/SARCR	33.2	6		102.4
				022 109 611P	R6704/BMARCR		30.2	6	136.1		45°
				022 109 611N	R6705/BMARCR	30.2	6	102.2	45°		
2007 NEW	V6	Taureg 3.6i V6 24V Passat 3.6i V6 24V Eng. BWS 3597 cc.	89	022 109 601H	IN	R6702/SARCR	33.2	6	136.3		45°
				022 109 601G		EX	R6703/SARCR	33.2	6		102.4
				022 109 611P	R6704/BMARCR		30.2	6	136.1		45°
				022 109 611N	R6705/BMARCR	30.2	6	102.2	45°		

VOLKSWAGEN DIESEL

1985/90	4	Polo D Polo C - CL Eng. MN 1272 cc.	75	030 109 601	IN	R4366/S	34	8	99.1		45°
				030 109 611A	EX	R4367/R	28.9	8	99.1		45°
1990/94		Polo CL - GT 1398 cc.									
1976/80	4	Golf D - LD - GLD Passat LD - GLD 1471 cc.	76.5	068 109 601	IN	R3564/S	34	8	105	EE	45°
				068 109 611	EX	R3565/R	31	8	104.6		EE
1980		Golf D - LD - GLD Jetta D - GLD - LD Passat D - GLD - LD Transporter 1.6 D 1588 cc.									

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11556 G11557 G11558 G11559	IN EX	44 65	6 6	10.06 10.11 10.06 10.11	B B	C.I. C.I.
113 101 401	G2650 G2651	IN	64.5	8	12.06 12.11	B	L
113 101 415	G2654 G2655	EX	64.5	8	12.06 12.11	B	L-U
021 101 403	G2669	IN	58	8	12.06	B	L
021 101 417	G2671	EX	64	8.97	13.06	B	L-U
	G11556 G11557 G11558 G11559	IN EX	44 65	6 6	10.06 10.11 10.06 10.11	B B	C.I. C.I.
	G11556 G11557 G11558 G11558	IN EX	44 65	6 6	10.06 10.11 10.06 10.11	B B	C.I. C.I.
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0019	I
	PI 06-0019	I
034 109 309N	PI 06-0001	I


 NOTE
remarks

VOLKSWAGEN

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981/82	4	Golf 1.6 D Jetta 1.6 D Passat 1.6 D	76.5	068 109 601C 068 109 611C	IN EX	R3646/S R3647/R	34 31.2	8 8	105 104.5	I I	45° 45°
1981/88 1982/07-85		Santana 1.6 D Caddy 1.6 D Eng. CR-JK-JP 1588 cc.									
08-81/1987	4	Transporter 1.6 D Eng. CS 1588 cc.	76.5	068 109 601C 068 109 611C	IN EX	R3646/S R3647/R	34 31.2	8 8	105 104.5	I I	45° 45°
1982/85	4	Golf 1.6 TD Jetta 1.6 TD Passat 1.6 TD	76.5	068 109 601D 068 109 611D	IN EX	R4199/BMCR R4200/BMCR	34 31.2	8 8	104.8 104.7	I I	45° 45°
1981/84 1984/92		Santana 1.6 TD Eng. CY-JR Transporter 1.6 TD Eng. JX 1588 cc.									
1985/86	4	Golf GTD Jetta GTD Passat GTD Santana GTD 1588 cc.	76.5	068 109 601M 068 109 611M	IN EX	R4296/R R4297/R	34 31.2	8 8	95 95	I I	45° 45°
1986 1989 1991	4	Golf GTD Jetta GTD Passat GTD Santana GTD Golf CL - GL Jetta C - CL - GL Passat C - CL - GL Passat C - CL - GTD Eng. JP - ME - JR - RA 1588 cc.	76.5	069 109 601N 069 109 611L	IN EX	R4296/R R4484/RCR	34 31.2	8 8	95 95.5	I I	45° 45°
1978/81	6	LT28D - 31D - 35D LT 45D - 50D Eng. CP 2383 cc.	76.5	069 109 601 068 109 611	IN EX	R3641/S R3565/R	36 31	8 8	105 104.5	EE EE	45° 45°
08.81/82	6	LT28D - 31D - 35D LT 45D - 50D Eng. CP 2383 cc.	76.5	069 109 601D 068 109 611C	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5	I I	45° 45°
82/7.89	6	LT 28-55 2.4 D Eng. DW 2383 cc.	76.5	069 109 601D 068 109 611C	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5	I I	45° 45°
08.89/92	6	LT28 - 31 - 35 - 45 - 50 LT40 - 45 4X4 Eng. DW 2383 cc.	76.5	069 109 601F 068 109 611L/M	IN EX	R4483/SCR R4484/RCR	36 31.2	8 8	95 95.5	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 10 3419	G3061 G3062	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664	IN	36.5	8	12.06	B	C.I.-F
049 10 3419	G3061	EX	42.3	8	12.06	B	C.I.-F
056 103 419A	G2664 G3061	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	G2664 G3061	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


 NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988/95	6	LT 28-55 2.4 D Eng. 1S-ACT 2383 cc.	76.5	069 109 601F 068 109 611L/M	IN EX	R4483/SCR R4484/RCR	36 31.2	8 8	95 95.5		45° 45°
8.89/92 1992/95	6	LT 28-55 2.4 TD Eng. 1G LT 28-55 2.4 TD Eng. ACL 2383 cc.	76.5	069 109 601H 068 109 611M	IN EX	R4899/BMARCR R4297/R	36 31.2	8 8	95 95		45° 45°
1982/86	6	LT 28-55 2.4 TD Eng. DV 2383 cc.	76.5	069 109 601D 068 109 611C	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5		45° 45°
1989/92	6	LT 28-55 2.4 TD Eng. DV 2383 cc.	76.5	069 109 601F 068 109 611L/M	IN EX	R4483/SCR R4484/RCR	36 31.2	8 8	95 95.5		45° 45°
1999	3	Lupo 1.2 TDI Eng. ANY-AYZ 1191 cc.	76.5	045 109 601 045 109 611	IN EX	R6389/S R6390/R	36 31.5	7 7	89.6 89.6		45° 45°
1998	V6	Passat 2.5 V6 TDI Eng. AFB - AKN 2496 cc.	78.3	059 109 601B 059 109 611B	IN EX	R6085/SCR R6086/BMARCR	27 24	6 6	100.5 100.5		45° 45°
2003	V6	Passat TDI 2.5 V6 24V Eng. BAU-BDH-BDG 2496 cc.	78.3	059 109 601F 059 109 611G	IN EX	R6453/SCR R6454/BMARCR	27.2 24.1	6 6	100.6 100.7		45° 45°
2009 NEW	3	Polo 1.2 TDI Eng. CFWA 1199 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55 24.45	6 6	99.25 99.10		45° 45°
1999	3	Lupo 1.4 TDI Polo 1.4 TDI Eng. AMF-BAY 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90		45° 45°
2009 2009 2011 2010 2009 2010 NEW	4	Golf VI 1.6 TDI Jetta III 1.6 TDI Jetta IV 1.6 TDI Passat 1.6 TDI Polo 1.6 TDI Touran 1.6 TDI Eng. CAYC-CFWA Eng. CAYD-CAYE-CAYB 1598 cc.	79.5	03L109601A 03L109611A	IN EX	R6690/S R6691/R	26.55 24.45	6 6	99.25 99.10		45° 45°
1984/-87	4	Transporter 1.7 D Eng. KY 1715 cc.	79.5	068 109 601C 068 109 611D	IN EX	R3646/S R4200/BMCR	34 31.2	8 8	105 104.7		45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A 049 10 3419	G2664 G3061	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0032	I
059 109 521C TRUST PAD	PI 06-0008 RA06-906 RA06-926	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I
	PI 06-0032	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	PI 06-0040 RA06-946	I


 NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
08-87/1992	4	Transporter 1.7 D Eng. KY 1715 cc.	79.5	068 109 601D	IN	R4199/BMCR	34	8	104.8	I	45°
				068 109 611D	EX	R4200/BMCR	31.2	8	104.7	I	45°
1997 1996	4	Polo 1.7 SDI Caddy 1.7 SDI Eng. AHG-AKU-AKW Eng. AHB 1716 cc.	79.5	028 109 601J	IN	R4946/S	36	7	96.5	I	45°
				028 109 611K	EX	R4947/R	31.5	7	96.5	I	45°
1991 1993	4	Golf CL - GL Vento CL - GL Passat CL - GL Eng. 1Y 1896 cc.	79.5	069 109 601F	IN	R4483/SCR	36	8	95	I	45°
				074 109 611	EX	R4640/BMARCR	31.2	8	95.5	I	45°
1993/05.96 1991/05.96 1991/05.96	4	Golf 1.9 TD Passat 1.9 TD Vento 1.9 TD Eng. AAZ Up to eng. N. 678000 1896 cc.	79.5	069 109 601H	IN	R4899/BMARCR	36	8	95	I	45°
				074 109 611	EX	R4640/RCR	31.2	8	95.5	I	45°
06.96/1996	4	Golf .9 TD Passat 1.9 TD Vento 1.9 TD Eng. AAZ From eng. N. 678001 1896 cc.	79.5	028 109 601B	IN	R6036/S	36	7	95.5	I	45°
				028 109 611E	EX	R6037/RCR	31	7	95.5	I	45°
94/5.96	4	Polo 1.9 D Eng. AEF Up to eng. N.007 000 1896 cc.	79.5	069 109 601F	IN	R4483/SCR	36	8	95	I	45°
				074 109 611	EX	R4640/RCR	31.2	8	95.5	I	45°
6.96	4	Polo 1.9 D Eng. AEF From eng. N.007 001 1896 cc.	79.5	028 109 601B	IN	R6036/S	36	7	95.5	I	45°
				028 109 611E	EX	R6037/RCR	31	7	95.5	I	45°
1997	4	Caddy 1.9 D Eng. AEF 1896 cc.	79.5	028 109 601B	IN	R6036/S	36	7	95.5	I	45°
				028 109 611E	EX	R6037/RCR	31	7	95.5	I	45°
1991/5-96	4	Golf 1.9 D Vento 1.9 D Caddy 1.9 D Eng. 1Y Up to eng. N. 580000 1896 cc.	79.5	069 109 601F	IN	R4483/SCR	36	8	95	I	45°
				074 109 611	EX	R4640/RCR	31.2	8	95.5	I	45°
06-96/98	4	Golf 1.9 D Vento 1.9 D Caddy 1.9 D Eng. 1Y From eng. N. 580001 1896 cc.	79.5	028 109 601B	IN	R6036/S	36	7	95.5	I	45°
				028 109 611E	EX	R6037/RCR	31	7	95.5	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I

 NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993/10.94 1989/10.94 1993/10.94	4	Golf 1.9 TDI Passat 1.9 TDI Vento 1.9 TDI Eng. 1Z 1896 cc. (90 CV)	79.5	028 109 601H 046 109 611C/E	IN EX	R4776/BMCR R4777/BMCR	36 31.4	8 8	96.9 96.9	I I	45° 45°
11.94/5.96 11.94/5.96 11.94/5.96 1995/2.96	4	Golf 1.9 TDI Passat 1.9 TDI Vento 1.9 TDI Sharan 1.9 TDI Eng. 1Z Up to eng. N. 770000 1896 cc.	79.5	028 109 601H 046 109 611C/E	IN EX	R4776/BMCR R4777/BMCR	36 31.4	8 8	96.9 96.9	I I	45° 45°
6.96/1998 6.96/1998 3.96 6.96/1996	4	Golf 1.9 TDI Passat 1.9 TDI Sharan 1.9 TDI Vento 1.9 TDI Eng. 1Z From eng. N. 770001 1896 cc.	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	R6087/S R4888/BM R4889/BM	35.9 35.9 31.5	7 7 7	96.8 96.8 96.85	I I I	45° 45° 45°
1994/5.96	4	Polo 1.9 SDI Eng. AGD 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	R4483/SCR R4640/RCR	36 31.2	8 8	95 95.5	I I	45° 45°
1998 1997 1996/01	4	Bora 1.9 SDI Golf 1.9 SDI Polo 1.9 SDI Eng. AQM-AGP-AGD 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.5	I I	45° 45°
1997	4	Golf 1.9 SDI Polo 1.9 SDI Vento 1.9 SDI Caddy 1.9 SDI Eng. AEY From eng. N. 002 001 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.5	I I	45° 45°
1999	4	Polo 1.9 SDI Eng. ASY 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	R4946/S R4947/R	36 31.5	7 7	96.5 96.5	I I	45° 45°
1998/01 1996 1999/01 1996/00 1997 1996 1996/98 1996	4	Bora 1.9 TDI Golf 1.9 TDI New Beetle 1.9 TDI Passat 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI Vento 1.9 TDI Caddy 1.9 TDI Eng. AGR-ALH-AHU-ALE Eng. AHU-AFN 1896 cc. (90 CV)	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	R6087/S R4888/BM R4889/BM	35.9 35.9 31.5	7 7 7	96.8 96.8 96.85	I I I	45° 45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



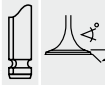

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I


NOTE
remarks

VOLKSWAGEN DIESEL





VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998/01 1996	4	Bora 1.9 TDI Golf 1.9 TDI	79.5	028 109 601D 028 109 601K	IN IN	R6087/S R4888/BM	35.9	7	96.8		45°
1996/00 1998 1996		Passat 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI Eng. AHF-ASV-AFN-AVG 1896 cc. (110CV)		028 1096 11G	EX	R4889/BM	31.5	7	96.85		45°
1999 1999/01 1998/01 1998/00 2000	4	New Beetle 1.9 TDI Bora 1.9 TDI Golf 1.9 TDI Passat 1.9 TDI Sharan 1.9 TDI Eng. AJM-AUY-ATJ 1896 cc. (115CV)	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
1999/03	4	Sharan 1.9 TDI Eng. ANU 1896 cc.	79.5	038 109 601B 038 109 611B 038 109 611F	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2001 2000 2000	4	New Beetle 1.9 TDI Polo 1.9 TDI Golf 1.9 TDI Bora 1.9 TDI Eng. ATD (101 CV) 1896 cc.	79.5	038 109 601B 038 109 611B 038 109 611F	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2000 2000 2003 2002	4	Golf 1.9 TDI Bora 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI Eng. ASZ-ARL 1896 cc.	79.5	038 109 601B 038 109 611B 038 109 611F	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2000	4	Passat 1.9 TDI Eng. AVB - AVF - AWX 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2003	4	Golf 1.9 TDI Eng. BKC 1896 cc.	79.5	038 109 601 E 038 109 611 E	IN EX	R6208/S R6209/BM	35.95 31.5	7 7	89.4 89	 	45° 45°
2003 2003	4	Transporter 1.9 TDI Multivan 1.9 TDI Eng. AXC-AXB 1896 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2003 2003	4	Transporter 2.5 TDI Multivan 2.5 TDI Eng. AXD-AXE 2460 cc.	79.5	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9 31.5	7 7	89.9 90	 	45° 45°
2003	4	New Beetle TDI Eng. BEW(100 CV) 1968 cc.	81	038 109 601F 038 109 611G	IN EX	R6528/S R6529/R	35.5 31.4	7 7	89 88.40	 	45° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003/04	4	Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1968 cc. Until chassis n. 1K-4B005 000 1K-4P004 323 1K-4U000 000 1K-4W000 000	81	03G 109 601A 03G 109 611B	IN EX	R6353/S R6354/BM	29.2	6	88.45	I	45°
							25.5	6	88.2	I	45°
2003/04	4	Touran 2.0 TDI-PD 16V Eng. AZV-BKD Until chassis n. 1T-4W117 616 1968 cc.	81	03G 109 601A 03G 109 611B	IN EX	R6353/S R6354/BM	29.2	6	88.45	I	45°
							25.5	6	88.2	I	45°
2004	4	Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1968 cc. From chassis n. 1K-4B005 001 1K-4P004 324 1K-4U000 001	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2004	4	Touran 2.0 TDI-PD 16V Eng. AZV-BKD Until chassis n. 1T-4W117 617 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2009	4	Passat 2.0 TDI Eng. BMP 1968 cc.	81	038 109 601E 038 109 611E	IN EX	R6208/S R6209/BM	35.95	7	89.4	I	45°
							31.5	7	89	I	45°
2005	4	Passat 2.0 TDI -PD 16V Eng. BVE-BMA-BKP-BMR 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2004 2005 2004	4	Touran 2.0 TDI-PD 16V Jetta 2.0 TDI -PD 16V Golf 2.0 TDI -PD 16V Eng. AZV-BKD 1868 cc.	81	03G 109 601B 03G 109 611D	IN EX	R6372/S R6373/BM	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2005 2007 2008 2008 2008	4	Passat 2.0 TDI 16V Tiguan 2.0 TDI 16V Passat CC 2.0 TDI 16V Golf 2.0 TDI 16V Scirocco 2.0 TDI 16V Eng. CBBB-CBAB-CBAA 1968 cc.	81	03L 109 601 03L 109 611	IN EX	R6564/S R6565/BM	28.1	6	99.3	I	45°
							26	6	99.1	I	45°
1995	5	Transporter 2.5 TDI Eng. AAB 2459 cc.	81	069 109 601F 074 109 611	IN EX	R4483/SCR R4640/BMARCR	36	8	95	I	45°
							31.2	8	95.5	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
037 109 419B	G3593 G3595	IN/EX	36.5	7	12.07	B	C.I.-F
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
	G11255 G11256	IN/EX	42	5.99	10.06 10.11	B	C.I.
056 10 3419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	
	PI 06-0032	
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	
03G 109 412C 03G 109 411B 03G 109 411C 03G 109 412B	PI 06-0042 PI 06-0045 PI 06-0044 PI 06-0043	
	PI 06-0040 RA06-946	
034 109 309N	PI 06-0001	

NOTE
remarks

VOLKSWAGEN DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	5	LT 28-46 2.5 SDI Eng. AGX 2461 cc.	81	046 109 601J 046 109 611F	IN EX	R4776/BMCR R4777/BMCR	36	8	96.9	I	45°
							31.4	8	96.9	I	45°
1996/99	5	LT 28-46 2.5 TDI Eng. AHD-APA-BBE Eng. ANJ-BBF 2461 cc.	81	046 109 601J 046 109 611F	IN EX	R4776/BMCR R4777/BMCR	36	8	96.9	I	45°
							31.4	8	96.9	I	45°
2003	5	Touareg 2.5 TDI R5 10V Eng. BAC-BLK 2460 cc.	81	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9	I	45°
							31.5	7	90	I	45°
2002	V10	Touareg 5.0 TDI V10 20V Eng. AYH	81	038 109 601B 038 109 611B	IN EX	R6128/S R6129/BM	35.9	7	89.9	I	45°
							31.5	7	90	I	45°
2002	V10	Phaeton 5.0 TDI V10 20V Eng. AJS 4921 cc.		038 109 611F							
2007	V6	Phaeton TDI 24V Tuareg TDI 24V Eng. CARA-CASA-CASB Eng. CASC-CEXA 2967 cc.	83	059 109 601G 059 109 611K	IN EX	R6514/S R6515/BMAR	28.8	6	99.5	I	45°
							26.8	6	99.4	I	45°
1997	4	LT 28-46 2.8 TDI 12V Eng. AGK-AUH-BCQ 2799 cc.	93	062 109 601 062 109 611A	IN EX	R6312/SCR R6313/BMCR	33	7	105.2	I	30°
							39.7	7	105.2	I	45°

VOLVO

1975/81	4	66 L - DL Eng. B10E 1108 cc. 66 DL - GL Eng. B13E 1289 cc.	70	3104401-9 3100519-2	IN EX	R3589/S R3394/R	33.5	7	89.5	E	45°
							30	7	89	K	45°
1976		343 L - GL - DL 345 L - GL - DL 1397 cc.	76								
1982/85	4	343 L - DL 345 L - DL Eng. B14 1397 cc.	76	3277693-2 3267437-6	IN EX	R3648/S R3649/R	34	7	91.5	E	30°
							29	7	89	K	45°
1985	4	343 L - DL 345 L - DL Eng. B14 1397 cc.	76	3287419-0 3277813-6	IN EX	R4223/SCR R3966/R	34	7	90.5	K	45°
							29	7	89	K	45°
2005	4	S40 1.6 i 16V V50 1.6 i 16V C30 1.6 i 16V Eng. B4164S3 1596 cc.	79	30711639 30711638	IN EX	R6195/SCR R6196/R	30	6	99	I	45°
							24.1	6	101.4	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 10 3419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 10 3419A	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	G11445 G11446	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	G3593 G3595	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	G3065 G3066	IN/EX	41.5	7	11.13 11.18	G	L
	G3499 G11190 GS3499	IN/EX IN/EX	40.5	6	11.04 11.09 11.04	G SM	L-X L-X

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	PI 06-0001	I
034 109 309N	PI 06-0001	I
	PI 06-0032	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	PI 06-0040 RA06-946	


 NOTE
remarks

VOLKSWAGEN DIESEL

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985	4	340 - 360 GL Eng. B172	81	3342278-3	IN	R4221/S	38.1	8	111.5	E	30°
1988		440 GL - GLE - GLT 480 ES Eng. B18E/F		3343738-5	EX	R4222/RCR	32.5	8	111.3	E	45°
1990		440 GL - 460 GLE 1721 cc.									
1995/04	4	S40 1.6 i 16V V40 1.6 i 16V Eng. B4164S/S2	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
1991/96	5	850 2.0 i 20V	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
1997		V70 2.0 i 20V		1270455	IN	R6608/SCR	32	7	104.3	I	45°
		S70 2.0 i 20V		1366490	EX	R4938/RCR	27	7	103.2	I	45°
1998		Eng. B5204F/S S80 2.0 i Turbo 20V Eng. B5204T3 1984 cc.									
1993/96	5	850 2.0 i Turbo 20V	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
1997		Eng. B5204T		1270455	IN	R6608/SCR	32	7	104.3	I	45°
1997		C70 2.0 i Turbo 20V		1366490	EX	R4938/RCR	27	7	103.2	I	45°
		S70 2.0 i Turbo 20V V70 2.0 i Turbo 20V Eng. B5204T2/T3T/T4 1984 cc.									
1993	5	850 Break 10V	81	1397190	IN	R4962/SCR	40	7	98	I	45°
1997/00		S70 2.0 i 10V		6842421							
		V70 2.0 i 10V		1397191	EX	R4963/BMARCR	35	7	97	I	45°
		Eng. 5202S 1984 cc.		6842422							
2001	5	S60 2.0 i Turbo 20V	81	9454607	IN	R6298/SCR	31	6	104.3	I	45°
		V70 2.0 i Turbo 20V		9454608	IN	R6605/SNT	32	6	104.3	I	45°
		S80 2.0 i Turbo 20V		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°
		Eng. B5204T5 1984 cc.									
2004	5	V70 2.4 i T5 Turbo 20V	81	9454607	IN	R6298/SCR	31	6	104.3	I	45°
		Eng. B5244T5		9454608	IN	R6605/SNT	32	6	104.3	I	45°
		2401 cc.		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°
1997	5	C70 2.3 i Turbo 20V	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
		S70 2.3 i Turbo 20V		1270455	IN	R6608/SCR	32	7	104.3	I	45°
2000		S60 2.3 i Turbo 20V		1366490	EX	R4938/RCR	27	7	103.2	I	45°
		Eng. B5234T/T3/T4/T6/T8 2319 cc.									
2000	5	S60 2.3 i Turbo 20V	81	9454607	IN	R6298/SCR	31	6	104.3	I	45°
		Eng. B5234T3		9454608	IN	R6605/SNT	32	6	104.3	I	45°
		2319 cc.		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11370	IN/EX	48	7	11.99	G	C.I.
1270397	G11203 G11204	IN/EX	53	7	12.08 12.13	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007*	I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0016	I
9207830	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I

**NOTE
remarks**
***PI 06-0007**
ONLY ENG. B4164

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002/05	5	C70 2.3 i Turbo 20V Eng. B5234T9 2319 cc.	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
1994/96	V6	960 2.5 i V6 24V Eng. B6254S 2473 cc.	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
1997	V6	S90 2.5 i V624V V90 2.5 i V6 24V Eng. B6254S 2473 c.	81	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
2000	5	S60 2.3 i Turbo 20V Eng. B5234T3 2319 cc.	81	9454607	IN	R6298/SCR	31	6	104.3	I	45°
				9454610	EX	R6299/BMARCR	27	6	103.3	I	45°
1998/06	V6	S80 2.8 i T6 Turbo 24V Eng. B6284T 2783 cc.	81	9454607	IN	R6298/SCR	31	6	104.3	I	45°
				9454608	IN	R6605/SNT	32	6	104.3	I	45°
				9454610	EX	R6299/BMARCR	27	6	103.3	I	45°
1991/96	4	440 1.8 i 460 1.8 i Eng. B18U 1794 cc.	82.7	3344841-6	IN	R4723/SCR	40.2	8	107	E	45°
				3344842-4	EX	R4724/RCR	32.6	8	107	E	45°
1992/96	4	440 2.0 i 460 2.0 i	82.7	3344841-6	IN	R4723/SCR	40.2	8	107	E	45°
				3344842-4	EX	R4724/RCR	32.6	8	107	E	45°
1992/95		480 2.0 i Eng. B20F 1998 cc.									
1995/03	4	S40 1.8 i 16V V40 1.8 i 16V Eng. 4184S/S1/S9 1731 cc.	83	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
2004	4	V50 1.8 i 16V S40 1.8 i 16V C30 1.8 i 16V Eng. B4184S11 1798 cc.	83	8694781	IN	R6341/SNT	32.5	5.5	103.4	S	45°
				8694780	EX	R6342/RNT	28	5.5	104.6	S	45°
1991/96 1997	5	850 2.4 i 20V C70 2.4 i 20V S70 2.5 20V V70 2.4 i 20V Eng. B5254/S	83	1397641-0	IN	R4937/SCR	31	7	104	I	45°
				1270455	IN	R6608/SCR	32	7	104.3	I	45°
				1366490	EX	R4938/RCR	27	7	103.2	I	45°
1999		S80 2.4 i 20V Eng. B5254 Up to Eng. N. 1817652 2435 cc.									
1999	5	S80 2.4 i 20V Eng. B5254 From Eng. N. 1817653 2435 cc.	83	9454607	IN	R6298/SCR	31	6	104.3	I	45°
				9454608	IN	R6605/SNT	32	6	104.3	I	45°
				9454610	EX	R6299/BMARCR	27	6	103.3	I	45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
3343624	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11427 GS11427	IN/EX IN/EX	39	5.5	11.05 11.05	G SM	L L
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6	11.99 11.52 11.57	G G	C.I. C.I.

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RA BILANCIERI
ROCKER ARMS**




N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I
9207830	PI 06-0007	I
9207830	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I


NOTE
remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1999/02	5	C70 2.4 i 20V Up to eng. 1817725	83	1397641-0	IN	R4937/SCR	31	7	104	I	45°	
2000		S60 2.4 i 20V Up to eng. 1718724		1270455	IN	R6608/SCR	32	7	104.3	I	45°	
1999/06		S80 2.4 i 20V Up to eng. 1817652 Eng. .B5244S 2435 cc.		1366490	EX	R4938/RCR	27	7	103.2	I	45°	
1999/02	5	C70 2.4 i 20V From eng. 1817726	83	9454607	IN	R6298/SCR	31	6	104.3	I	45°	
2000		S60 2.4 i 20V From eng. 1718725		9454608	IN	R6605/SNT	32	6	104.3	I	45°	
1999/06		S80 2.4 i 20V From eng. 1817653 Eng. B5244S 2435 cc.		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°	
1996		850 2.4 i Turbo 20V	83	1397641-0	IN	R4937/SCR	31	7	104	I	45°	
1997		C70 2.4 i Turbo 20V		1270455	IN	R6608/SCR	32	7	104.3	I	45°	
		S70 2.5 i Turbo 20V		1366490	EX	R4938/RCR	27	7	103.2	I	45°	
		V70 2.4 i Turbo 20V XC70 2.4 i Turbo 20V Eng. B5254T 2435 cc.										
1999/01	5	V70 2.4 i Bifuel 20V	83	9454607	IN	R6298/SCR	31	6	104.3	I	45°	
1999/01		S80 2.4 i Bifuel 20V Eng. B5244SG/SG2 Up to Eng. 2684724 2435 cc.		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°	
2000/02	5	XC70 2.4 i Turbo 20V	83	9454607	IN	R6298/SCR	31	6	104.3	I	45°	
		V70 2.4 i Turbo 20V		9454608	IN	R6605/SNT	32	6	104.3	I	45°	
2000/06		S80 2.4 i Turbo 20V		9454610	EX	R6299/BMARCR	27	6	103.3	I	45°	
2000		S60 2.4 i Turbo 20V Eng. B5244T3										
2004		V50 2.4 i Turbo 20V										
2004	S40 2.4 i Turbo 20V Eng. B5244S/S5 2435 cc.											
2002/05	5	C70 2.4 i Turbo 20V Eng. B5244T7	83	1397641-0	IN	R4937/SCR	31	7	104	I	45°	
				1270455	IN	R6608/SCR	32	7	104.3	I	45°	
				1366490	EX	R4938/RCR	27	7	103.2	I	45°	

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6 6	11.99 11.52 11.57	G G	C.I. C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6 6	11.99 11.52 11.57	G G	C.I. C.I.
	G11371 G11447 G11448	IN/EX IN/EX	45 39.5	6 6	11.99 11.52 11.57	G G	C.I. C.I.
1270391	G11201 G11202	IN/EX	45	7	11.99 12.04	G	C.I.

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I
	PI 06-0007	I


NOTE
remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004 2006 2006 2004 2004 2003 2002	5	V50 2.5 i Turbo 20V C30 2.5 i Turbo 20V C70 2.5 i Turbo 20V S40 2.5 i Turbo 20V S60 2.5 i Turbo 20V S80 2.5 i Turbo 20V XC90 2.5 i Turbo 20V Eng. B5254T3 2521 cc.	83	9454607 9454608 9454610	IN IN EX	R6298/SCR R6605/SNT R6299/BMARCR	31 32 27	6 6 6	104.3 104.3 103.3	I I I	45° 45° 45°
2007	5	C70 2.5 i Turbo 20V Eng. B5254T7 2521 cc.	83	9454607 9454608 9454610	IN IN EX	R6298/SCR R6605/SNT R6299/BMARCR	31 32 27	6 6 6	104.3 104.3 103.3	I I I	45° 45° 45°
1996 1998/00 1997 1997	V6	960 3.0 i V6 24V S80 3.0 i V6 24V S90 3.0 i V6 24V V90 3.0 i V6 24V Eng. B6304S/S2 2922 cc.	83	1397641-0 1270455 1366490	IN IN EX	R4937/SCR R6608/SCR R4938/RCR	31 32 27	7 7 7	104 104.3 103.2	I I I	45° 45° 45°
2002 2001/06	V6	XC90 2.9 i T6 Turbo 24V S80 2.9 i T6 Turbo 24V Eng. B6294T 2922 cc.	83	9454607 9454608 9454610	IN IN EX	R6298/SCR R6605/SNT R6299/BMARCR	31 32 27	6 6 6	104.3 104.3 103.3	I I I	45° 45° 45°
1965/72	4 8	P 121 - 131 PV544 - Amazon P 1800 - 1800S P 122S - 132 - 210 -221 Eng. B18A - B - D 1780 cc. L 420 - 430 Eng. B36AV 3560 cc.	84.138	419368-6 419292-8	IN EX	R4570/SCR R4571/RCR	40 35	8.65 8.65	116.8 116.5	N N	45° 45°
2006	4	C30 2.0 i 16V S40 2.0 i 16V V50 2.0 i 16V Eng. B4204S3 1999 cc.	87.5	30777329 30777328	IN EX	R6370/SNT R6371/RNT	35 30	5.5 5.5	103.4 104.6	S S	45° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11371	IN/EX	45	6	11.99	G	C.I.
	G11447	IN/EX	39.5	6	11.52	G	C.I.
	G11448				11.57		
	G11371	IN/EX	45	6	11.99	G	C.I.
	G11447	IN/EX	39.5	6	11.52	G	C.I.
	G11448				11.57		
1270391	G11201	IN/EX	45	7	11.99	G	C.I.
	G11202				12.04		
	G11371	IN/EX	45	6	11.99	G	C.I.
	G11447	IN/EX	39.5	6	11.52	G	C.I.
	G11448				11.57		
415266-403546	G11235	IN/EX	63.5	8.74	15.01		
	G11427	IN/EX	39	5.5	11.05	G	L
	GS11427	IN/EX	39	5.5	11.05	SM	L

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RA BILANCIERI
ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0007	I
	PI 06-0007	I


NOTE
 remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1988	4	240 Eng. B200 E - B230 E	88.9	463395-4	IN EX	R4313/SCR R4314/RCR	44	8	110.5	I	45°	
1976/83		242 - 244 - 245 Eng. B19A		463526-4			35	8	110.8		I	45°
1985		340 - 360 GLE Eng. B200 E										
1980		343 - 345 Eng. B19A										
1985		740										
1991		940 GL										
1991		Eng. B200 E										
1985		740 - 780 Turbo Eng. B200 ET 1986 cc.										
1988	4	740 GLT 16V Eng. B204E	89	1378473-1	IN EX	R4734/RCR R4735/RCR	32.5	7	122.5	I	45°	
1989		1986 cc. 760 2.0 Turbo 16V 780 2.0 Turbo 16V		1378474-9			29.5	7	122.6		I	45°
1991		940 2.0 i Turbo 16V 960 2.0 i Turbo 16V Eng. B204 FT 1986 cc.										
1974/83	4	242 - 244 - 245 Eng. B21 A/E	96	463395-4	IN EX	R4313/SCR R4314/RCR	44	8	110.5	I	45°	
1980		244 - 245 Turbo B21 ET 2127 cc.		463526-4			35	8	110.8		I	45°
1981		240 - 740 GLE - GLT Eng. B23 A/E		3547247-1								
1985		740 Eng. B230 E										
1988		2316 cc. 240										
1985		740 GL - GLE 760										
1985/91		940 GL - GLE Eng. B230 F - B230FB 2316 cc.										
1982/88		4		740 - 760 Turbo			96	463395-4	IN EX		R4313/SCR R4314/RCR	44
1988	780 Turbo		463526-4	35	8	110.8		I		45°		
1986	940 Turbo Eng. B23 ET/FT 2316 cc.		3547247-1									

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
419652	G2644	IN/EX	52	8	13.52	G	C.I.
419563	G2647	EX	59	8	13.52	G	C.I.
1378960	G3507 G3508	IN/EX	55	7	12.03 12.08	G	C.I.
419652	G2644	IN/EX	52	8	13.52	G	C.I.
419652	G2644	IN/EX	52	8	13.52	G	C.I.

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RA BILANCIERI
ROCKER ARMS



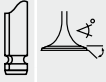
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	PI 06-0016	I
463075-2	PI 03-102	M


NOTE
 remarks

VOLVO

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.			
							D	d	L	

VOLVO DIESEL

2005	4	S40 1.6 DI 16V V50 1.6 DI 16V	75	30711498 30711497	IN EX	R6397/SCR R6398/BMCR	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2005		C30 1.6 DI 16V Eng. D4164T 1560 cc.									
2011	4	S60 1.6 DRIVe V60 1.6 DRIVe	75	31330181 31330182	IN EX	R6726/SCR R6727/RCR	30.15 27.5	5.5 5.5	95.60 95.50	I I	45° 45°
2010		C30 1.6 D2 S40 1.6 D2 V40 1.6 D2 V70 1.6 D2 S80 1.6 D2 1560 cc.									
NEW											
1979/1	6	244 GLD - 245 GLD Eng. D24 2383 cc.	76.5	1257053 1257054	IN EX	R3641/S R3565/R	36 31	8 8	105 104.5	EE EE	45° 45°
8/81-89 1984/92 1990/94	6	240 2.4 D 740 2.4 D 940 2.4 D Eng. D24 2383 cc.	76.5	1328088-8 1328089-6	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5	I I	45° 45°
1985	6	240 GLD - 740 GLD 940 GLD Eng. D24 2383 cc.	76.5	1328147-2 1328148-0	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5	I I	45° 45°
1982		740 GLE TD 760 GLE TD									
1990		940 GLE TD 960 GLE TD Eng. D24 T 2303 cc.									
1985	6	740 GLE TD 760 GLE TD 780 GLE TD	76.5	1389261-7 1389262-5	IN EX	R3662/S R3647/R	36 31	8 8	105 104.5	I I	45° 45°
1990		940 GLE TD 960 GLE TD Eng. D24 TIC 2383 cc.									
1984	4	360 D Eng. D16 1596 cc.	78	3287966-0 3287967-8	IN EX	R4164/S R4165/R	36.3 31.6	8 8	111.7 111.3	E E	30° 45°
1994/96	4	440/460 1.9 TD Eng. D19T Up to eng. N. 930900 1870 cc.	80	7701466716 7701466717	IN EX	R4717/S R4718/R	36.2 31.6	8 8	111.7 111.7	E E	30° 45°

GUIDAVALVOLE
VALVE GUIDES


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
	G11413 G11414	IN/EX	34	5.5	9.54 9.59	G	L
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.

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ROCKER ARMS





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
30711499 30711504	PI 06-0019 RA06-934	I
	PI 06-0019 RA06-914	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
034109309N	PI 06-0001	I
7700716248	PI 03-103	M
7700716248	PI 03-103	M

 NOTE
 remarks

VOLVO DIESEL

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/96	4	440/460 1.9 TD Eng. D19T From to eng. N. 930901 1870 cc.	80	7701468035 7701466717	IN EX	R4716/S R4718/R	35 31.6	8 8	111.6 111.7	E E	45° 45°
1995/99	4	V40 1.9 TD Eng. D4192T2 1870 cc.	80	7701471704 7701468190 7701471705	IN IN EX	R6062/BM R4719/S R4942/BM	35 35 31.5	8 8 8	110.1 110.5 110	E E E	45° 45° 45°
1999/00	4	S40 1.9 TDI V40 1.9 TDI Eng. D419T2 1870 cc.	80	30889401 30889403	IN EX	R4973/S R4974/R	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
2000	4	S40 1.9 TCI V40 1.9 TCI Eng. D4192T3/T4 1870 cc.	80	30889401 30889403	IN EX	R4973/S R4974/R	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
1996 1997 1997 1999	5	850 2.5 TDI S70 2.5 TDI V70 2.5 TDI S80 2.5 TDI Eng. D252T 2461 cc.	81	9186565 9186565	IN EX	R4776/BMCR R4777/BMCR	36 31.4	8 8	96.9 96.9	I I	45° 45°
2003 2003	5	XC 70 2.4 TD Eng. D5244T2 XC 90 2.4 TD Eng. D5244T/T4/T5 2400 cc.	81	8631650 8631651	IN EX	R6447/SNT R6448/BMARNT	28.8 26.2	6 6	98.1 97.8	I I	45° 45°
2006 2001 2001 2001 2001	5	C30 2.4 D5 20V S60 2.4 D5 20V C70 2.4 D5 20V S80 2.4 D5 20V V70 2.4 D5 20V Eng. 5244T/T4/T8 2400 cc.	81	8631650 8631651	IN EX	R6447/SNT R6448/BMARNT	28.8 26.2	6 6	98.1 97.8	I I	45° 45°
2006 2000 2008 2007	4	C30 2.0 D 16V S40 2.0 D 16V V50 2.0 D 16V C70 2.0 D 16V V70 2.0 D 16V Eng. D4204T 1997 cc.	85	8653745 8659744	IN EX	R6163/SCR R6164/BMCR	29.8 25	6 6	105 105	I I	45° 45°

**GUIDAVALVOLE
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	G3244 G3245	IN/EX	39	8.01	13.06 13.11	B	C.I.
30882363	G11161 G11162 G11163	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
7700859086	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7.01	12.07	B	C.I.
7700859086	G13600 G11164	IN/EX	38.3	7	12.06 12.11	B	C.I.
	G11165	IN/EX	49	7.01	12.07	B	C.I.
1257613 - 8	G2664 G2665 G2666	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	G11507	IN/EX	39.5	6	11.52	G	C.I.
	G11507	IN/EX	39.5	6	11.52	G	C.I.
	G11319 G11320 GS11319	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L

**PI PUNTERIE · LIFTERS
RA BILANCIERI
ROCKER ARMS**



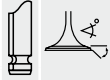
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	PI 03-103	M
034109309N	PI 06-0001	I
8670047	PI 06-0019	I
8670047	PI 06-0019	I
30711499	PI 06-0019	


 NOTE
remarks

VOLVO DIESEL

VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.			
							D	d	L	

VOLVO INDUSTRIAL AND COMMERCIAL

1975	6	B/F 609 - F 611 Eng. D60	98.42	420553-0 3825723	IN	R4564/SCR	41	8	145.3	N	30°
1975/78		F613 Eng. TD60 - Turbo		465549-4 8192143	EX	R4565/RCR	37	8	145.3	N	45°
1985		F614 Eng. TD61 - Turbo									
		FL608 - 613 - 614 - 617 Eng. TD61 F/G - Turbo									
		5480 cc.									
1991		FL610 - 611 - 613 - 614 Eng. TD63 E-ES-Turbo									
		6730 cc.									
2000	6	FL 180 - FL 6 E/H Eng. D6B 180/220/250	98.42	420553-0 3825723	IN	R4564/SCR	41	8	145.3	N	30°
		5480 cc.		465549-4 8192143	EX	R4565/RCR	37	8	145.3	N	45°
1965	6	F/N 86 Eng. D70 A - B - C	104.775	421016-7 421017-5	IN	R3279/SCR	43	11	148.5	K	30°
1965/74		B54 - N7 - N86 Eng. TD70 A-B-C- Turbo		421208-0	EX	R3280/RCR	37	11	148.5	K	45°
		6730 cc.									
1976	6	B57 - F7/86 - TF86/88 TN7 - 86DTC Eng. TD70 E - F - G	104.775	466379-5 471195-8	IN	R3945/SCR	43	11	148.5	EE	30°
		Eng. TD70 Turbo		471196 466381	EX	R4333/RCR	37	11	148.5	EE	45°
		F7 Eng. TD FS - Turbo			EX	R3946/RCR	37	11	148.5	EE	45°
1979/85		FL7 Eng. TD71 F - FD - FQ									
1985		FL7 Eng. TD 71 - Turbo									
		6730 CC.									
1985/98	6	FL 7/230 - 260 Eng. TD73 E/ES	104.8	477447 477443	IN	R6302/SCR	43	8	149.6	K	30°
		6725 cc.			EX	R6303/BMCR	39	8	149.5	K	45°
1985/98	6	FL 7/230 - 260 Eng. TD73 E/ES	104.8	3978768 3978766	IN	R6449/SCR	43	8	149.7	EE	30°
		6725 cc.			EX	R6450/BMCR	39	8	149.7	EE	45°
2006 NEW	6	FE 280-FE320 Eng. D7E320	108	20833932 20980413	IN	R6759/BMCR	38.2	8	145.7	I	30°
		7100 cc.		20833936 20997871	EX	R6760/BMCR	35.8	8	145.8	I	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002	6	FM9-260 FM9-300 FM9-340 FM9-380 Eng. D9A 9360 cc.	120	20450002 8148069	IN EX	R6380/SCR R6381/BMCR	38 38	8 8	191.7 191.5	EE EE	30° 30°
2001/05 NEW	6	FM9FM Eng. D9A260 Eng. D9A300 Eng. D9A340 Eng. D9A380 9364 cc.	120	20528113 20570965	IN EX	R6753/BMCR R6754/BMCR	38 38	8 8	192 191.70	I I	30° 30°
1965	6	B56 - 58 - 61 F/N88 Eng. D100A F/N10 - F/N88 Eng. TD100A - Turbo 9599 cc.	120.65	422016-6 422017-4	IN EX	R3607/SCR R3608/RCR	50 46	11 11	167 167	K K	30° 45°
1965 1981 1983 1984 1991	6	F/N100 Eng. TD 100A-B - Turbo B10 - F/N 10 Eng. TD 100F-G - Turbo F10 Eng. TD101 F/G/GA Eng. TD101 - Turbo FL10 Eng. TD101FA-FC Eng. TD101 - Turbo B/N10 Eng. THD 100E - Turbo Eng. THD 101K - Turbo B10 R-M F10 - FL10 - FS10 Eng. THD102KF-Turbo Eng. TD103 E-ES-Turbo 9599 cc.	120.65	467502-1 1545290 479204 8194223 479261 467857 467855-3 467503 467682 8194224 467857	IN EX EX	R4032/SCR R4033/RCR R4332/RCR	50 46 46	11 11 11	167 167 167	EE EE EE	30° 45° 45°
1970	6	F88/89 Eng. D120 F88/89 Up to Eng. n. 10128 Eng. TD120 A-Turbo 12000 cc.	130.175	423016-5 423017-3	IN EX	R3737/SCR R3738/RCR	54 50	11 11	167 167	K K	30° 45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1970	6	F88/89 From Eng. n. 10129	130.175	468302-5	IN	R3739/SCR	54	11	167	EE	30°
1977		F/N12 Eng. TD120 - 121		468303-3	EX	R3740/RCR	50	11	167	EE	45°
1988		Eng. TD120-121- Turbo F12 Eng. TD122 F-FS-Turbo 12000 cc.									
1993	6	FH 12-340 FH 12-380 FH 12-480 Eng. D12A 24V TURBO 12100 cc.	131	1547492	IN	R6300/BMCR	40	8	192	K	30°
				8148574	EX	R6301/BMCR	40	8	191.7	EE	45°
2002	6	FM 12-420 FH 12-420 FH 12- 460 FH 12-500 Eng. D12D-D12C 12100 cc.	131	20459326	IN	R6378/SCR	40	8	192	EE	30°
				20441945	EX	R6379/BMCR	40	8	191.7	EE	45°
2006	6	FH 400 FH 440 FH 480 FH 500 FH 520 FM 360 FM 400 FM 440 FM 480 Eng. D13A360 -A400 Eng. D13A440-A520 Eng. D13B360-B400 Eng. D13B440-B500 12800 cc.	131	20740798	IN	R6587/BMCR	42	8	192	I	35°
				20561995 20768519 20768506	EX	R6588/BMCR	40	8	191.6	I	50°
1987	6	F16 Eng. TD162F- Turbo 16121 cc.	142	1556472	IN	R4687/SCR	47	9.5	176.8	EE	30°
1994		FH16-470 Eng. D16A 4V-Turbo 16100 cc.		1543026 1556473	EX	R4688/BMCR	45	9.5	176.9	EE	45°
1991		F16 Eng. TD163ES- Turbo 16120 cc.		1543027 863702 1556896							
2003 NEW	6	FH16-FH550-FH610 Eng. D16C550 Eng. D16C610 16120 cc.	144	20739057	IN	R6815/SARCR	49	10	192.9	S	25°
				20739058 24426433 20513284 20513285	EX	R6816/BMARCR	46	10	191.4	S	45°

VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
VM											
		Eng. SUN		20362005F 20370024A	IN EX	MI5189/BMCR MI5190/BMCR	48 41	9 9	121 121	E E	30° 45°
	6 8 10 12	Eng. H1306 TURBO Eng. H1308 TURBO Eng. H1310 TURBO Eng. H1312 TURBO		20360016A 20370014A	IN EX	MI5202/BMCR MI5203/BMCR	55.5 47.5	11 11	156 156	E E	45° 45°
ZETOR											
1960/77	2	Tractor 2011 - 2013 2017 - 2023 - 2511 Eng. 2001 1560 cc.	95	950505 950506	IN EX	R3650/S R3651/S	39 33	8 10	129 127.5	Q D	45° 45°
	3	Tractor 3011 - 3013 3016 - 3017 - 3511 Eng. 3001 2340 cc.		Spessore testa maggiorato 1 mm	IN EX	R4060/S R4061/S	39 33	8 10	129 127.5	Q D	45° 45°
	4	Tractor 4011 - 4045 4511 - 5511 Eng. 5711 3120 cc.		Spessore testa maggiorato 2 mm	IN EX	R4062/S R4063/S	39 33	8 10	129 127.5	Q D	45° 45°
1969	4	Tractor 8011 - 8045 Eng. 8001 4562 cc.	110	480005014 480005015	IN EX	R4039/R R4040/R	49 41.5	10 10	139 139	E E	45° 45°
1969	6	Tractor 8611 - 12011 12045 Eng. 8601 6842 cc.									
1978	4	Tractor 6911 - 6945 3595 CC.	110	69010554 69010555 Spessore testa maggiorato 1 mm	IN EX IN EX	R4037/S R4038/S R4142/S R4143/S	44 36.5 44 36.5	10 10 10 10	129.5 129.5 129.5 129.5	E E E E	45° 45° 45° 45°

freccia

PASTIGLIE REGISTRO VALVOLE

VALVE SHIMS

PASTILLES DE RÉGLAGE SOUPAGE

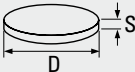
VENTILEINSTELLSCHEIBEN

DISCOS DE REGLAJE

ОБКЛАДКА РЕГУЛЯТОРА КЛАПАНА

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

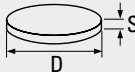


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4162888	01 - 178	33 x 4.55	A	N
4162889	01 - 179	33 x 4.60	A	N
4162890	01 - 180	33 x 4.65	A	N
4162891	01 - 181	33 x 4.70	A	N
4294418	01 - 182	33 x 4.75	A	N
4294419	01 - 183	33 x 4.80	A	N
4294420	01 - 184	33 x 4.85	A	N
4294421	01 - 185	33 x 4.90	A	N
	01 - 575	33 X 4.95	A	N
	01 - 564	33 X 5.00	A	N
	01 - 565	33 X 5.05	A	N
	01 - 566	33 X 5.10	A	N
	01 - 567	33 X 5.20	A	N

FIAT- LANCIA

UNO - PANDA - PUNTO 55 - 60 - 75 - PUNTO II VAN 1.2
PUNTO III 1.2 8V - NUOVA PANDA 1.2 8V - PALIO 1.2
CINQUECENTO 1.1 - SEICENTO 1.1 - DOBLO VAN 1.2
Y10 - Y 1.1 - Y 1.2 - ENG. FIRE - YPSILION 1.2 8V

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
	01 - 106	31 x 3.00	A	N
	01 - 107	31 x 3.05	A	N
	01 - 108	31 x 3.10	A	N
	01 - 109	31 x 3.15	A	N
5942889	01 - 110	31 x 3.20	A	N
5942862	01 - 111	31 x 3.25	A	N
5942863	01 - 112	31 x 3.30	A	N
5942864	01 - 113	31 x 3.35	A	N
5942865	01 - 114	31 x 3.40	A	N
5942866	01 - 115	31 x 3.45	A	N
5942867	01 - 116	31 x 3.50	A	N
5942868	01 - 117	31 x 3.55	A	N
5942869	01 - 118	31 x 3.60	A	N
5942870	01 - 119	31 x 3.65	A	N
5942871	01 - 120	31 x 3.70	A	N
5942872	01 - 121	31 x 3.75	A	N
5942873	01 - 122	31 x 3.80	A	N
5942874	01 - 123	31 x 3.85	A	N
5942875	01 - 124	31 x 3.90	A	N
5942876	01 - 125	31 x 3.95	A	N
5942861	01 - 126	31 x 4.00	A	N
5942877	01 - 127	31 x 4.05	A	N
5942878	01 - 128	31 x 4.10	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
5942879	01 - 129	31 x 4.15	A	N
5942880	01 - 130	31 x 4.20	A	N
5942881	01 - 131	31 x 4.25	A	N
5942882	01 - 132	31 x 4.30	A	N
5942883	01 - 133	31 x 4.35	A	N
5942884	01 - 134	31 x 4.40	A	N
5942885	01 - 135	31 x 4.45	A	N
5942886	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

FIAT

ULYSSE 1.9 TD - SCUDO 1.9 TD - DUCATO 94 2.0 BENZ

DUCATO 02 2.0 MPI

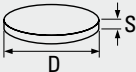
LANCIA

Z 2.0 IE

	01 - 225	13.42 x 1.60	A	N
	01 - 226	13.42 x 1.65	A	N
	01 - 227	13.42 x 1.70	A	N
	01 - 228	13.42 x 1.75	A	N
	01 - 229	13.42 x 1.80	A	N
	01 - 230	13.42 x 1.85	A	N
	01 - 232	13.42 x 1.90	A	N
	01 - 233	13.42 x 1.95	A	N
	01 - 234	13.42 x 2.00	A	N
	01 - 235	13.42 x 2.05	A	N
	01 - 237	13.42 x 2.10	A	N
	01 - 238	13.42 x 2.15	A	N
	01 - 239	13.42 x 2.20	A	N
	01 - 240	13.42 x 2.25	A	N
	01 - 242	13.42 x 2.30	A	N
	01 - 243	13.42 x 2.35	A	N
	01 - 244	13.42 x 2.40	A	N
	01 - 245	13.42 x 2.45	A	N
	01 - 247	13.42 x 2.50	A	N
	01 - 248	13.42 x 2.55	A	N
	01 - 249	13.42 x 2.60	A	N
	01 - 250	13.42 x 2.65	A	N
	01 - 252	13.42 x 2.70	A	N
	01 - 253	13.42 x 2.75	A	N
	01 - 254	13.42 x 2.80	A	N
	01 - 255	13.42 x 2.85	A	N
	01 - 257	13.42 x 2.90	A	N
	01 - 258	13.42 x 2.95	A	N
	01 - 259	13.42 x 3.00	A	N
	01 - 260	13.42 x 3.05	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

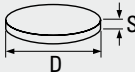


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 262	13.42 x 3.10	A	N
	01 - 263	13.42 x 3.15	A	N
	01 - 264	13.42 x 3.20	A	N
	01 - 265	13.42 x 3.25	A	N
	01 - 267	13.42 x 3.30	A	N
	01 - 268	13.42 x 3.35	A	N
	01 - 269	13.42 x 3.40	A	N
	01 - 270	13.42 x 3.45	A	N
	01 - 272	13.42 x 3.50	A	N
	01 - 273	13.42 x 3.55	A	N
	01 - 326	13.42 x 3.60	A	N
	01 - 327	13.42 x 3.65	A	N

FIAT

PANDA 1.1 - 1.2 8V - GRANDE PUNTO 1.2 - 1.4 8V - IDEA 1.4 8V

55194607	01 - 576	31 X 1.80	A-SPECIAL	N
55194608	01 - 577	31 X 1.85	A-SPECIAL	N
55194609	01 - 578	31 X 1.90	A-SPECIAL	N
55194611	01 - 579	31 X 1.95	A-SPECIAL	N
55194613	01 - 580	31 X 2.00	A-SPECIAL	N
55194615	01 - 581	31 X 2.05	A-SPECIAL	N
55194617	01 - 582	31 X 2.10	A-SPECIAL	N
55194619	01 - 583	31 X 2.15	A-SPECIAL	N
55194621	01 - 584	31 X 2.20	A-SPECIAL	N
55194623	01 - 585	31 X 2.25	A-SPECIAL	N
55194625	01 - 586	31 X 2.30	A-SPECIAL	N
55194627	01 - 587	31 X 2.35	A-SPECIAL	N
55194629	01 - 588	31 X 2.40	A-SPECIAL	N
55194631	01 - 589	31 X 2.45	A-SPECIAL	N
55194633	01 - 590	31 X 2.50	A-SPECIAL	N
55194635	01 - 591	31 X 2.55	A-SPECIAL	N
55194637	01 - 592	31 X 2.60	A-SPECIAL	N
55194639	01 - 593	31 X 2.65	A-SPECIAL	N
55194641	01 - 594	31 X 2.70	A-SPECIAL	N
55194643	01 - 595	31 X 2.75	A-SPECIAL	N
55194645	01 - 596	31 X 2.80	A-SPECIAL	N
55194647	01 - 597	31 X 2.85	A-SPECIAL	N
55194649	01 - 598	31 X 2.90	A-SPECIAL	N
55194651	01 - 599	31 X 2.95	A-SPECIAL	N
55194653	01 - 600	31 X 3.00	A-SPECIAL	N
55194655	01 - 601	31 X 3.05	A-SPECIAL	N
55194657	01 - 602	31 X 3.10	A-SPECIAL	N
55194659	01 - 603	31 X 3.15	A-SPECIAL	N
55194661	01 - 604	31 X 3.20	A-SPECIAL	N
55194663	01 - 605	31 X 3.25	A-SPECIAL	N
55194665	01 - 606	31 X 3.30	A-SPECIAL	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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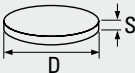
FORD

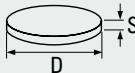
FIESTA - ESCORT - SIERRA - ENG. 1.6 D

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
84FM6K514AAA	01 - 106	31 x 3.00	A	N
84FM6J514ABA	01 - 107	31 x 3.05	A	N
84FM6K514ACA	01 - 108	31 x 3.10	A	N
84FM6K514ADA	01 - 109	31 x 3.15	A	N
84FM6K514AEA	01 - 110	31 x 3.20	A	N
84FM6K514AFA	01 - 111	31 x 3.25	A	N
84FM6K514AGA	01 - 112	31 x 3.30	A	N
84FM6K514AHA	01 - 113	31 x 3.35	A	N
84FM6K514AJA	01 - 114	31 x 3.40	A	N
84FM6K514AKA	01 - 115	31 x 3.45	A	N
84FM6K514ALA	01 - 116	31 x 3.50	A	N
84FM6K514AMA	01 - 117	31 x 3.55	A	N
84FM6K514ANA	01 - 118	31 x 3.60	A	N
84FM6K514ARA	01 - 119	31 x 3.65	A	N
84FM5K514ASA	01 - 120	31 x 3.70	A	N
84FM6K514ATA	01 - 121	31 x 3.75	A	N
84FM6K514BAA	01 - 122	31 x 3.80	A	N
84FM6K514BBA	01 - 123	31 x 3.85	A	N
84FM6K514BCA	01 - 124	31 x 3.90	A	N
84FM6K514BDA	01 - 125	31 x 3.95	A	N
84FM6K514BEA	01 - 126	31 x 4.00	A	N
84FM6K514BFA	01 - 127	31 x 4.05	A	N
84FM6K514BGA	01 - 128	31 x 4.10	A	N
84FM6K514BHA	01 - 129	31 x 4.15	A	N
84FM6K514BJA	01 - 130	31 x 4.20	A	N
84FM6K514BKA	01 - 131	31 x 4.25	A	N
84FM6K514BLA	01 - 132	31 x 4.30	A	N
	01 - 133	31 x 4.35	A	N
	01 - 134	31 x 4.40	A	N
	01 - 135	31 x 4.45	A	N
	01 - 136	31 x 4.50	A	N
	01 - 493	31 x 4.55	A	N
	01 - 494	31 x 4.60	A	N
	01 - 495	31 x 4.65	A	N
	01 - 496	31 x 4.70	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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FORD

FOCUS - MONDEO - COUGAR - ENG. ZETEC E SEFI
1.6/1.8 16V / 20V

	01 - 458	27.5 x 1.80	A	N
	01 - 459	27.5 x 1.85	A	N
	01 - 460	27.5 x 1.90	A	N
	01 - 461	27.5 x 1.95	A	N
	01 - 356	27.5 x 2.00	A	N
	01 - 357	27.5 x 2.05	A	N
	01 - 358	27.5 x 2.10	A	N
	01 - 359	27.5 x 2.15	A	N
	01 - 360	27.5 x 2.20	A	N
	01 - 361	27.5 x 2.25	A	N
	01 - 362	27.5 x 2.30	A	N
	01 - 363	27.5 x 2.35	A	N
	01 - 364	27.5 x 2.40	A	N
	01 - 365	27.5 x 2.45	A	N
	01 - 366	27.5 x 2.50	A	N
	01 - 367	27.5 x 2.55	A	N
	01 - 368	27.5 x 2.60	A	N
	01 - 369	27.5 x 2.65	A	N
	01 - 370	27.5 x 2.70	A	N
	01 - 502	27.5 x 2.75	A	N
	01 - 372	27.5 x 2.80	A	N
	01 - 373	27.5 x 2.85	A	N
	01 - 374	27.5 x 2.90	A	N
	01 - 375	27.5 x 2.95	A	N
	01 - 376	27.5 x 3.00	A	N
	01 - 503	27.5 x 3.05	A	N
	01 - 504	27.5 x 3.10	A	N
	01 - 505	27.5 x 3.15	A	N
	01 - 506	27.5 x 3.20	A	N
	01 - 507	27.5 x 3.25	A	N
	01 - 509	27.5 x 3.30	A	N

FORD

FIESTA IV - ENG. ZETEC SE - 1.2I 16V - FIESTA IV - PUMA
FOCUS - ENG. ZETEC SE - 1.4I 16V

1004306	01 - 490	25 x 2.00	A	N
1004308	01 - 491	25 x 2.05	A	N
1004310	01 - 492	25 x 2.10	A	N
1004314	01 - 462	25 x 2.15	A	N
1004317	01 - 463	25 x 2.20	A	N
1004321	01 - 464	25 x 2.25	A	N
1004327	01 - 465	25 x 2.30	A	N
1004332	01 - 466	25 x 2.35	A	N
1004335	01 - 467	25 x 2.40	A	N

1004340	01 - 468	25 x 2.45	A	N
1004343	01 - 469	25 x 2.50	A	N
1004345	01 - 470	25 x 2.55	A	N
1004347	01 - 471	25 x 2.60	A	N
1004349	01 - 472	25 x 2.65	A	N
1004351	01 - 473	25 x 2.70	A	N
1004353	01 - 474	25 x 2.75	A	N
1004356	01 - 475	25 x 2.80	A	N
1004359	01 - 476	25 x 2.85	A	N
1004363	01 - 477	25 x 2.90	A	N
1004367	01 - 478	25 x 2.95	A	N
1009973	01 - 479	25 x 3.00	A	N
1004388	01 - 480	25 x 3.05	A	N
1009974	01 - 481	25 x 3.10	A	N
1004392	01 - 482	25 x 3.15	A	N
1004394	01 - 483	25 x 3.20	A	N
1004396	01 - 484	25 x 3.25	A	N
1004399	01 - 485	25 x 3.30	A	N
	01 - 486	25 x 3.35	A	N
	01 - 487	25 x 3.40	A	N
	01 - 488	25 x 3.45	A	N
	01 - 489	25 x 3.50	A	N

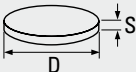
IVECO

ENG. SOFIM - 131 DIESEL - 132 DIESEL - 242 DIESEL
ARGENTA DIESEL - CROMA DIESEL - DUCATO DIESEL 82/90
DAILY 30.8 - 35.8 - 40.8
LANCIA DIESEL
THEMA TD

4713210	01 - 569	40 X 3.25	A	N
4713211	01 - 275	40 x 3.30	A	N
4713212	01 - 276	40 x 3.35	A	N
4713213	01 - 277	40 x 3.40	A	N
4713214	01 - 278	40 x 3.45	A	N
4713215	01 - 279	40 x 3.50	A	N
4713216	01 - 280	40 x 3.55	A	N
4713217	01 - 281	40 x 3.60	A	N
4713218	01 - 282	40 x 3.65	A	N
4713220	01 - 283	40 x 3.70	A	N
4713222	01 - 284	40 x 3.75	A	N
4713224	01 - 285	40 x 3.80	A	N
4713226	01 - 286	40 x 3.85	A	N
4713228	01 - 287	40 x 3.90	A	N
4713230	01 - 288	40 x 3.95	A	N
4713209	01 - 289	40 x 4.00	A	N
4713233	01 - 290	40 x 4.05	A	N
4713235	01 - 291	40 x 4.10	A	N
4713237	01 - 292	40 x 4.15	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



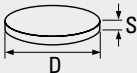
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4713239	01 - 293	40 x 4.20	A	N
4713241	01 - 294	40 x 4.25	A	N
4713243	01 - 295	40 x 4.30	A	N
4713245	01 - 296	40 x 4.35	A	N
4713247	01 - 297	40 x 4.40	A	N
4713249	01 - 298	40 x 4.45	A	N
4713251	01 - 299	40 x 4.50	A	N
4713253	01 - 300	40 x 4.55	A	N
4713255	01 - 301	40 x 4.60	A	N
4713257	01 - 570	40 X 4.65	A	N
4713259	01 - 571	40 X 4.70	A	N
4713261	01 - 572	40 X 4.75	A	N
4713263	01 - 573	40 X 4.80	A	N
4713265	01 - 574	40 X 4.85	A	N
4713267	01 - 568	40 X 4.90	A	N

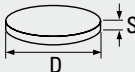
KIA DIESEL

BESTA - ENG. R2 2.2D

MAZDA DIESEL

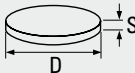
SERIE E2000 - ENG. R2 2.2D

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 510	32.35 x 3.40	A	N
	01 - 511	32.35 x 3.45	A	N
	01 - 512	32.35 x 3.50	A	N
	01 - 513	32.35 x 3.55	A	N
	01 - 514	32.35 x 3.60	A	N
	01 - 515	32.35 x 3.65	A	N
	01 - 516	32.35 x 3.70	A	N
	01 - 517	32.35 x 3.75	A	N
	01 - 518	32.35 x 3.80	A	N
	01 - 519	32.35 x 3.85	A	N
	01 - 520	32.35 x 3.90	A	N
	01 - 521	32.35 x 3.95	A	N
	01 - 522	32.35 x 4.00	A	N
	01 - 523	32.35 x 4.05	A	N
	01 - 524	32.35 x 4.10	A	N
	01 - 525	32.35 x 4.15	A	N
	01 - 526	32.35 x 4.20	A	N
	01 - 527	32.35 x 4.25	A	N
	01 - 528	32.35 x 4.30	A	N
	01 - 529	32.35 x 4.35	A	N
	01 - 530	32.35 x 4.40	A	N
	01 - 531	32.35 x 4.45	A	N
	01 - 532	32.35 x 4.50	A	N
	01 - 533	32.35 x 4.55	A	N
	01 - 534	32.35 x 4.60	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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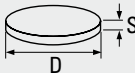
KIA DIESEL

SPORTAGE 2.0 TD - ENG. RF 1998 CC.

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 535	31.15 x 3.75	A	N
	01 - 536	31.15 x 3.80	A	N
	01 - 537	31.15 x 3.85	A	N
	01 - 538	31.15 x 3.90	A	N
	01 - 539	31.15 x 3.95	A	N
	01 - 540	31.15 x 4.00	A	N
	01 - 541	31.15 x 4.05	A	N
	01 - 542	31.15 x 4.10	A	N
	01 - 543	31.15 x 4.15	A	N
	01 - 544	31.15 x 4.20	A	N
	01 - 545	31.15 x 4.25	A	N
	01 - 546	31.15 x 4.30	A	N

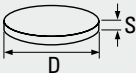
LADA

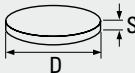
SAMARA - VAZ 2108

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
1007056	01 - 106	31 x 3.00	A	N
1007056/10	01 - 107	31 x 3.05	A	N
1007056/11	01 - 108	31 x 3.10	A	N
1007056/12	01 - 109	31 x 3.15	A	N
1007056/13	01 - 110	31 x 3.20	A	N
1007056/14	01 - 111	31 x 3.25	A	N
1007056/15	01 - 112	31 x 3.30	A	N
1007056/16	01 - 113	31 x 3.35	A	N
1007056/18	01 - 114	31 x 3.40	A	N
1007056/20	01 - 115	31 x 3.45	A	N
1007056/22	01 - 116	31 x 3.50	A	N
1007056/24	01 - 117	31 x 3.55	A	N
1007056/26	01 - 118	31 x 3.60	A	N
1007056/28	01 - 119	31 x 3.65	A	N
1007056/30	01 - 120	31 x 3.70	A	N
1007056/32	01 - 121	31 x 3.75	A	N
1007056/34	01 - 122	31 x 3.80	A	N
1007056/36	01 - 123	31 x 3.85	A	N
1007056/38	01 - 124	31 x 3.90	A	N
1007056/40	01 - 125	31 x 3.95	A	N
1007056/42	01 - 126	31 x 4.00	A	N
1007056/44	01 - 127	31 x 4.05	A	N
1007056/46	01 - 128	31 x 4.10	A	N
1007056/48	01 - 129	31 x 4.15	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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OPEL DIESEL

CORSA A-B 1.5D - ENG. ISUZU 15D4EC1

ISUZU DIESEL

GEMINI 1.5D - ENG. ISUZU 15D4EC1

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	01 - 187	31.5 x 2.35	A	N
	01 - 188	31.5 x 2.40	A	N
	01 - 189	31.5 x 2.45	A	N
	01 - 190	31.5 x 2.50	A	N
	01 - 191	31.5 x 2.55	A	N
	01 - 192	31.5 x 2.60	A	N
	01 - 193	31.5 x 2.65	A	N
	01 - 194	31.5 x 2.70	A	N
	01 - 195	31.5 x 2.75	A	N
	01 - 196	31.5 x 2.80	A	N
	01 - 197	31.5 x 2.85	A	N
	01 - 198	31.5 x 2.90	A	N
	01 - 199	31.5 x 2.95	A	N
	01 - 200	31.5 x 3.00	A	N
	01 - 201	31.5 x 3.05	A	N
	01 - 202	31.5 x 3.10	A	N
	01 - 203	31.5 x 3.15	A	N
	01 - 204	31.5 x 3.20	A	N
	01 - 205	31.5 x 3.25	A	N
	01 - 206	31.5 x 3.30	A	N
	01 - 207	31.5 x 3.35	A	N
	01 - 208	31.5 x 3.40	A	N
	01 - 209	31.5 x 3.45	A	N
	01 - 210	31.5 x 3.50	A	N
	01 - 211	31.5 x 3.55	A	N
	01 - 212	31.5 x 3.60	A	N
	01 - 213	31.5 x 3.65	A	N
	01 - 214	31.5 x 3.70	A	N
	01 - 215	31.5 x 3.75	A	N
	01 - 216	31.5 x 3.80	A	N
	01 - 217	31.5 x 3.85	A	N
	01 - 218	31.5 x 3.90	A	N
	01 - 219	31.5 x 3.95	A	N
	01 - 220	31.5 x 4.00	A	N
	01 - 221	31.5 x 4.05	A	N
	01 - 222	31.5 x 4.10	A	N
	01 - 223	31.5 x 4.15	A	N
	01 - 224	31.5 x 4.20	A	N
	01 - 442	31.5 x 4.25	A	N
	01 - 443	31.5 x 4.30	A	N
	01 - 444	31.5 x 4.35	A	N
	01 - 445	31.5 x 4.40	A	N
	01 - 446	31.5 x 4.45	A	N

OPEL DIESEL

ASTRA F - VECTRA A-B - ENG. ISUZU X17DT - 1.7 TD 16V

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	01 - 377	28 x 2.50	A	N
	01 - 378	28 x 2.55	A	N
	01 - 379	28 x 2.60	A	N
	01 - 380	28 x 2.65	A	N
	01 - 381	28 x 2.70	A	N
	01 - 382	28 x 2.75	A	N
	01 - 383	28 x 2.80	A	N
	01 - 384	28 x 2.85	A	N
	01 - 385	28 x 2.90	A	N
	01 - 386	28 x 2.95	A	N
	01 - 387	28 x 3.00	A	N
	01 - 388	28 x 3.05	A	N
	01 - 389	28 x 3.10	A	N
	01 - 390	28 x 3.15	A	N
	01 - 391	28 x 3.20	A	N
	01 - 392	28 x 3.25	A	N
	01 - 393	28 x 3.30	A	N

PEUGEOT

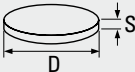
204 DIESEL - 205 DIESEL - 304 DIESEL - 305 DIESEL

806 2.0 IE - ENG. RFU

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	01 - 225	13.42 x 1.60	A	N
	01 - 226	13.42 x 1.65	A	N
	01 - 227	13.42 x 1.70	A	N
	01 - 228	13.42 x 1.75	A	N
	01 - 229	13.42 x 1.80	A	N
	01 - 230	13.42 x 1.85	A	N
	01 - 232	13.42 x 1.90	A	N
	01 - 233	13.42 x 1.95	A	N
	01 - 234	13.42 x 2.00	A	N
	01 - 235	13.42 x 2.05	A	N
	01 - 237	13.42 x 2.10	A	N
	01 - 238	13.42 x 2.15	A	N
	01 - 239	13.42 x 2.20	A	N
	01 - 240	13.42 x 2.25	A	N
	01 - 242	13.42 x 2.30	A	N
	01 - 243	13.42 x 2.35	A	N
	01 - 244	13.42 x 2.40	A	N
	01 - 245	13.42 x 2.45	A	N
	01 - 247	13.42 x 2.50	A	N
	01 - 248	13.42 x 2.55	A	N
	01 - 249	13.42 x 2.60	A	N
	01 - 250	13.42 x 2.65	A	N
	01 - 252	13.42 x 2.70	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

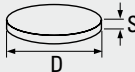


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 253	13.42 x 2.75	A	N
	01 - 254	13.42 x 2.80	A	N
	01 - 255	13.42 x 2.85	A	N
	01 - 257	13.42 x 2.90	A	N
	01 - 258	13.42 x 2.95	A	N
	01 - 259	13.42 x 3.00	A	N
	01 - 260	13.42 x 3.05	A	N
	01 - 262	13.42 x 3.10	A	N
	01 - 263	13.42 x 3.15	A	N
	01 - 264	13.42 x 3.20	A	N
	01 - 265	13.42 x 3.25	A	N
	01 - 267	13.42 x 3.30	A	N
	01 - 268	13.42 x 3.35	A	N
	01 - 269	13.42 x 3.40	A	N
	01 - 270	13.42 x 3.45	A	N
	01 - 272	13.42 x 3.50	A	N
	01 - 273	13.42 x 3.55	A	N
	01 - 326	13.42 x 3.60	A	N
	01 - 327	13.42 x 3.65	A	N
	01 - 328	13.42 x 3.70	A	N

RENAULT

CLIO I - II - LAGUNA I 1.8 - ENG. F3P - MEGANE - LAGUNA
 ESPACE III - ENG. F3R - EXPRESS 1.6 D - ENG. F8M - CLIO
 MEGANE - LAGUNA - KANGOO - ENG. F8Q 1.9 D

	01 - 449	34.7 x 2.50	A	S
	01 - 450	34.7 x 2.55	A	S
	01 - 451	34.7 x 2.60	A	S
	01 - 452	34.7 x 2.65	A	S
	01 - 453	34.7 x 2.70	A	S
	01 - 454	34.7 x 2.75	A	S
	01 - 455	34.7 x 2.80	A	S
	01 - 456	34.7 x 2.85	A	S
	01 - 330	34.7 x 2.90	A	S
	01 - 331	34.7 x 2.95	A	S
	01 - 332	34.7 x 3.00	A	S
	01 - 333	34.7 x 3.05	A	S
	01 - 334	34.7 x 3.10	A	S
	01 - 335	34.7 x 3.15	A	S
	01 - 336	34.7 x 3.20	A	S
	01 - 337	34.7 x 3.25	A	S
	01 - 338	34.7 x 3.30	A	S
	01 - 339	34.7 x 3.35	A	S
	01 - 340	34.7 x 3.40	A	S
	01 - 341	34.7 x 3.45	A	S
	01 - 342	34.7 x 3.50	A	S
	01 - 343	34.7 x 3.55	A	S
	01 - 344	34.7 x 3.60	A	S

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 345	34.7 x 3.65	A	S
	01 - 346	34.7 x 3.70	A	S
	01 - 347	34.7 x 3.75	A	S
	01 - 348	34.7 x 3.80	A	S
	01 - 349	34.7 x 3.85	A	S
	01 - 350	34.7 x 3.90	A	S
	01 - 351	34.7 x 3.95	A	S
	01 - 457	34.7 x 4.00	A	S

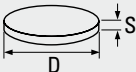
RENAULT

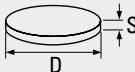
R 9 DIESEL - R 11 DIESEL - ENG. F8M700/720/730

	01 - 187	31.5 x 2.35	A	N
	01 - 188	31.5 x 2.40	A	N
	01 - 189	31.5 x 2.45	A	N
	01 - 190	31.5 x 2.50	A	N
	01 - 191	31.5 x 2.55	A	N
	01 - 192	31.5 x 2.60	A	N
	01 - 193	31.5 x 2.65	A	N
	01 - 194	31.5 x 2.70	A	N
	01 - 195	31.5 x 2.75	A	N
	01 - 196	31.5 x 2.80	A	N
	01 - 197	31.5 x 2.85	A	N
	01 - 198	31.5 x 2.90	A	N
	01 - 199	31.5 x 2.95	A	N
	01 - 200	31.5 x 3.00	A	N
	01 - 201	31.5 x 3.05	A	N
	01 - 202	31.5 x 3.10	A	N
	01 - 203	31.5 x 3.15	A	N
	01 - 204	31.5 x 3.20	A	N
2077722504	01 - 205	31.5 x 3.25	A	N
2077722506	01 - 206	31.5 x 3.30	A	N
2077722508	01 - 207	31.5 x 3.35	A	N
2077722510	01 - 208	31.5 x 3.40	A	N
2077722512	01 - 209	31.5 x 3.45	A	N
2077722514	01 - 210	31.5 x 3.50	A	N
2077722516	01 - 211	31.5 x 3.55	A	N
2077722518	01 - 212	31.5 x 3.60	A	N
2077722520	01 - 213	31.5 x 3.65	A	N
2077722522	01 - 214	31.5 x 3.70	A	N
2077722524	01 - 215	31.5 x 3.75	A	N
2077722526	01 - 216	31.5 x 3.80	A	N
2077722528	01 - 217	31.5 x 3.85	A	N
2077722530	01 - 218	31.5 x 3.90	A	N
2077722532	01 - 219	31.5 x 3.95	A	N
2077722534	01 - 220	31.5 x 4.00	A	N
2077722536	01 - 221	31.5 x 4.05	A	N
2077722538	01 - 222	31.5 x 4.10	A	N
2077722540	01 - 223	31.5 x 4.15	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
2077722542	01 - 224	31.5 x 4.20	A	N
	01 - 442	31.5 x 4.25	A	N
2077722546	01 - 443	31.5 x 4.30	A	N
	01 - 444	31.5 x 4.35	A	N
2077722550	01 - 445	31.5 x 4.40	A	N
	01 - 446	31.5 x 4.45	A	N
2077722554	01 - 447	31.5 x 4.50	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 473	25 x 2.70	A	N
	01 - 474	25 x 2.75	A	N
	01 - 475	25 x 2.80	A	N
	01 - 476	25 x 2.85	A	N
	01 - 477	25 x 2.90	A	N
	01 - 478	25 x 2.95	A	N
	01 - 479	25 x 3.00	A	N
	01 - 480	25 x 3.05	A	N
	01 - 481	25 x 3.10	A	N
	01 - 482	25 x 3.15	A	N
	01 - 483	25 x 3.20	A	N
	01 - 484	25 x 3.25	A	N
	01 - 485	25 x 3.30	A	N
	01 - 486	25 x 3.35	A	N
	01 - 487	25 x 3.40	A	N
	01 - 488	25 x 3.45	A	N
	01 - 489	25 x 3.50	A	N

TOYOTA

COROLLA 1.6 - ENG. 4A

	01 - 394	14 x 2.40	A	N
	01 - 395	14 x 2.45	A	N
	01 - 396	14 x 2.50	A	N
	01 - 397	14 x 2.55	A	N
	01 - 398	14 x 2.60	A	N
	01 - 399	14 x 2.65	A	N
	01 - 400	14 x 2.70	A	N
	01 - 401	14 x 2.75	A	N
	01 - 402	14 x 2.80	A	N
	01 - 403	14 x 2.85	A	N
	01 - 404	14 x 2.90	A	N
	01 - 405	14 x 2.95	A	N
	01 - 406	14 x 3.00	A	N
	01 - 407	14 x 3.05	A	N
	01 - 408	14 x 3.10	A	N
	01 - 409	14 x 3.15	A	N
	01 - 410	14 x 3.20	A	N
	01 - 411	14 x 3.25	A	N
	01 - 412	14 x 3.30	A	N

TOYOTA

CARINA - RAV - CELICA - COROLLA - CAMRY

ENG. 2VZFE - ENG. 3SFE - ENG. 3SGEL - ENG. 4EFE

ENG. 4AF/4AFP - ENG. 5SFE - ENG. 7M/GE

	01 - 490	25 x 2.00	A	N
	01 - 491	25 x 2.05	A	N
	01 - 492	25 x 2.10	A	N
	01 - 462	25 x 2.15	A	N
	01 - 463	25 x 2.20	A	N
	01 - 464	25 x 2.25	A	N
	01 - 465	25 x 2.30	A	N
	01 - 466	25 x 2.35	A	N
	01 - 467	25 x 2.40	A	N
	01 - 468	25 x 2.45	A	N
	01 - 469	25 x 2.50	A	N
	01 - 470	25 x 2.55	A	N
	01 - 471	25 x 2.60	A	N
	01 - 472	25 x 2.65	A	N

TOYOTA

CARINA - AVENSIS - COROLLA - CELICA - LAND CRUISER

4RUNNER - ENG. 4AFE 1.6 16V - ENG. 7AFE 1.8 16V

ENG. 3SFE 2.0 - ENG. 5VZFE 3.4 24V

13753-74010	01 - 377	28 x 2.50	A	N
13753-74030	01 - 378	28 x 2.55	A	N
13753-74050	01 - 379	28 x 2.60	A	N
13753-74070	01 - 380	28 x 2.65	A	N
13753-74090	01 - 381	28 x 2.70	A	N
13753-74110	01 - 382	28 x 2.75	A	N
13753-74130	01 - 383	28 x 2.80	A	N
13753-74150	01 - 384	28 x 2.85	A	N
13753-74170	01 - 385	28 x 2.90	A	N
13753-74190	01 - 386	28 x 2.95	A	N
13753-74210	01 - 387	28 x 3.00	A	N
13753-74230	01 - 388	28 x 3.05	A	N
13753-74250	01 - 389	28 x 3.10	A	N
13753-74270	01 - 390	28 x 3.15	A	N
13753-74290	01 - 391	28 x 3.20	A	N
13753-74310	01 - 392	28 x 3.25	A	N
13753-74330	01 - 393	28 x 3.30	A	N

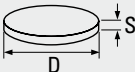
TOYOTA

DIESEL - ENG.1C 1.8D

	01 - 302	34 x 2.20	A	N
	01 - 303	34 x 2.25	A	N
	01 - 304	34 x 2.30	A	N
	01 - 305	34 x 2.35	A	N
	01 - 306	34 x 2.40	A	N
	01 - 307	34 x 2.45	A	N

PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	01 - 308	34 x 2.50	A	N
	01 - 309	34 x 2.55	A	N
	01 - 310	34 x 2.60	A	N
	01 - 311	34 x 2.65	A	N
	01 - 312	34 x 2.70	A	N
	01 - 313	34 x 2.75	A	N
	01 - 314	34 x 2.80	A	N
	01 - 315	34 x 2.85	A	N
	01 - 316	34 x 2.90	A	N
	01 - 317	34 x 2.95	A	N
	01 - 318	34 x 3.00	A	N
	01 - 319	34 x 3.05	A	N
	01 - 320	34 x 3.10	A	N
	01 - 321	34 x 3.15	A	N
	01 - 322	34 x 3.20	A	N
	01 - 323	34 x 3.25	A	N
	01 - 324	34 x 3.30	A	N
	01 - 325	34 x 3.35	A	N
	01 - 329	34 x 3.40	A	N

TOYOTA

LANDCRUISER 80 ENG. 1FZ-FE

13753-66020	01 - 643	30.5 X 2.50	A	N
13753-66040	01 - 644	30.5 X 2.55	A	N
13753-66060	01 - 645	30.5 X 2.60	A	N
13753-66080	01 - 646	30.5 X 2.65	A	N
13753-66100	01 - 647	30.5 X 2.70	A	N
13753-66120	01 - 648	30.5 X 2.75	A	N
13753-66140	01 - 649	30.5 X 2.80	A	N
13753-66160	01 - 650	30.5 X 2.85	A	N
13753-66180	01 - 651	30.5 X 2.90	A	N
13753-66200	01 - 652	30.5 X 2.95	A	N
13753-66220	01 - 653	30.5 X 3.00	A	N
13753-66240	01 - 654	30.5 X 3.05	A	N
13753-66260	01 - 655	30.5 X 3.10	A	N
13753-66280	01 - 656	30.5 X 3.15	A	N
13753-66300	01 - 657	30.5 X 3.20	A	N
13753-55320	01 - 658	30.5 X 3.25	A	N
13753-66340	01 - 659	30.5 X 3.30	A	N
	01 - 660	30.5 X 3.35	A	N
	01 - 661	30.5 X 3.40	A	N

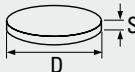
TOYOTA-MITSUBISHI

LANDCRUISER - HILUX - HIACE - ENG. 2L-T 90-95

2.4D - TD

PAJERO 2.8TD - ENG. 4M40 / 4M40T 94-00

13753-54010	01 - 547	37 x 2.50	A	N
13753-54420	01 - 548	37 x 2.55	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
13753-54060	01 - 549	37 x 2.60	A	N
13753-54430	01 - 550	37 x 2.65	A	N
13753-54110	01 - 551	37 x 2.70	A	N
13753-54440	01 - 552	37 x 2.75	A	N
13753-54160	01 - 553	37 x 2.80	A	N
13753-54450	01 - 554	37 x 2.85	A	N
13753-54210	01 - 555	37 x 2.90	A	N
13753-54460	01 - 556	37 x 2.95	A	N
13753-54260	01 - 557	37 x 3.00	A	N
13753-54470	01 - 558	37 x 3.05	A	N
13753-54310	01 - 559	37 x 3.10	A	N
13753-54480	01 - 560	37 x 3.15	A	N
13753-54320	01 - 561	37 x 3.20	A	N
13753-54490	01 - 562	37 x 3.25	A	N
13753-54410	01 - 563	37 x 3.30	A	N

VOLKSWAGEN

PASSAT - GOLF - GOLF D - SCIROCCO - POLO

	01 - 100	31 x 2.70	A	N
	01 - 101	31 x 2.75	A	N
	01 - 102	31 x 2.80	A	N
	01 - 103	31 x 2.85	A	N
	01 - 104	31 x 2.90	A	N
	01 - 105	31 x 2.95	A	N
	01 - 106	31 x 3.00	A	N
	01 - 107	31 x 3.05	A	N
	01 - 108	31 x 3.10	A	N
	01 - 109	31 x 3.15	A	N
	01 - 110	31 x 3.20	A	N
	01 - 111	31 x 3.25	A	N
	01 - 112	31 x 3.30	A	N
	01 - 113	31 x 3.35	A	N
	01 - 114	31 x 3.40	A	N
	01 - 115	31 x 3.45	A	N
	01 - 116	31 x 3.50	A	N
	01 - 117	31 x 3.55	A	N
	01 - 118	31 x 3.60	A	N
	01 - 119	31 x 3.65	A	N
	01 - 120	31 x 3.70	A	N
	01 - 121	31 x 3.75	A	N
	01 - 122	31 x 3.80	A	N
	01 - 123	31 x 3.85	A	N
	01 - 124	31 x 3.90	A	N
	01 - 125	31 x 3.95	A	N
	01 - 126	31 x 4.00	A	N
	01 - 127	31 x 4.05	A	N
	01 - 128	31 x 4.10	A	N
	01 - 129	31 x 4.15	A	N

freccia

TUBI PER SEDIVALVOLE

TUBES FOR VALVE SEAT INSERTS

TUBES POUR SIÈGE DE SOUPAGE

ROHRE FÜR VENTILSITZE

ТРУБЫ ДЛЯ СЕДЕЛЬНЫХ КЛАПАНОВ

CROSS REFERENCE GUIDE

O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
0.007.17790./10	G11227	026 109 601	R4201/XBCR	036 109 611	R3977/R	043 109 612	R4494/RCR
0.024.1421.0	MI3286/XBNT	026 109 601C	R4521/R	036 109 611AE	R6014/BM	045 109 601	R6389/S
000 054 0201	PI 06-0001	026 109 611A	R4116/R	036 109 611K	R6014/BM	045 109 611	R6390/R
000 4571 V 003 000 000	RA06-941	027 103 415	G3288	036 109 611L	R4967/R	045109101C	CM05-2124
000 4572 V 001 000 000	PI 06-0030	027 103 419	G3504	036109411C	RA06-938	046 109 601B	R4495/S
000.9652.088	MI5074/S	027 109 601C	R4294/R	036109411D	RA06-938	046 109 601C	R4502/SCR
000.9652.089	MI5070/S	027 109 611B	R4295/BMARCR	037 103 419B	G3593	046 109 601J	R4776/BMCR
000.9685.091	MI5075/SNT	027 109 611D	R4295/BMARCR	037 109 601	R4806/S	046 109 611A	R4496/R
000.9685.092	MI5071/SNT	028 109 601A	R4615/BMARCR	037 109 611B	R4807/R	046 109 611A	R4503/RCR
00292190.31	MI3285/SNT	028 109 601B	R6036/S	0370-10-280	G2937	046 109 611C/E	R4616/BMARCR
00467974030L	PI 06-0001	028 109 601D	R6087/S	038 109 601 E	R6208/S	046 109 611E	R4777/BMCR
004777770AB	R6252/SCR	028 109 601H	R4776/BMCR	038 109 601B	R6128/S	046 109 611F	R4777/BMCR
006.1952.0	G3542	028 109 601J	R4946/S	038 109 601E	R6208/S	04667969AB	R6597/SCR
007.1146.0/11	MI5171/SARCR	028 109 601K	R4888/BM	038 109 601F	R6528/S	047 109 601B	R6349/SCR
007.1147.0/12	MI5172/BMCR	028 109 611E	R6037/RCR	038 109 611 E	R6209/BM	047 109 601D	R6179/SCR
009.7266.0	MI5169/SCR	028 109 611F	R4777/BMCR	038 109 611B	R6129/BM	047 109 601F	R6181/SCR
009.7267.0	MI5170/BMCR	028 109 611K	R4947/R	038 109 611E	R6209/BM	047 109 611B	R6350/RCR
00A109102	CM05-2131	028 1096 11G	R4889/BM	038 109 611F	R6129/BM	047 109 611D	R6180/RCR
010.6016.0	MI5186/BMNT	029.1420.0	MI3271/S	038 109 611G	R6529/R	047 20 146	R3598/RCR
010.6017.0	MI5187/SARCR	029012111C	R3817/S	038109101AH	CM05-2127	047 20 148	R3599/RCR
010.6022.0	MI5188/BMCR	030 103 419A	G11194	038109101R	CM05-2126	047.1421.0/10	MI5182/RCR
011-10-280	G3596	030 109 423	PI 06-0008	038109309A	PI 06-0001	04777772AB/AC	R6253/BMCR
011-10-290	G3597	030 109 423 B	PI 06-0008	038109309B	PI 06-0001	04777898AA	R6598/RCR
014111470-10	G2616	030 109 601	R4366/S	038109309B	PI 06-0032	048 109 601 A	R4643/SCR
016.1420.0	MI3287/SNT	030 109 601AG	R4964/S	039.1420.2/01	MI3708/SNT	048 109 601A	R4643/SCR
016.1421.0	MI3288/BMNT	030 109 601AH	R4952/S	039.1421.0/02	MI3457/RNT	048 109 601E	R6451/S
021 101 403	G2669	030 109 601AK	R6351/S	03C109601L	R6776/SARNT	048 109 611A	R4642/BMARCR
021 101 417	G2671	030 109 601AL	R6197/S	03C109611Q	R6777/BMARNT	048 109 611B	R4807/R
021 109 601	R3407/S	030 109 601C	R4368/S	03D 109 101N	CM05-2178	048 812 121A	R3822/RCR
021 109 612	R3489/RCR	030 109 601D/F	R4645/SCR	03F 109 601A	R6718/S	049 103 419	G3061
02130.12	G11315	030 109 601E	R4646/SCR	03F 109 611B	R6719/RCR	049 109 601A	R3611/XB
02130.13	G11317	030 109 601J	R4873/S	03F 109 611C	R6719/RCR	049 109 601F	R3728/S
022 109 423	PI 06-0019	030 109 601L	R4802/S	03G 109 101A	CM05-2179	049 109 603	R4113/S
022 109 423A	PI 06-0019	030 109 601M	R4886/S	03G 109 101B	CM05-2179	049 109 611A	R3612/RAR
022 109 423B	PI 06-0019	030 109 601M/N	R4886/S	03G 109 102B	CM05-2180	049 109 611F	R3729/R
022 109 423C	PI 06-0019	030 109 611A	R4367/R	03G 109 102C	CM05-2177	049 109 613	R4114/RCR
022 109 423D	PI 06-0019	030 109 611D	R4803/R	03G 109 102F	CM05-2181	0490 0685	R6759/BMCR
022 109 601H	R6702/SARCR	030 109 611N	R4965/R	03G 109 411	PI 06-0045	0490 0686	R6760/BMCR
022 109 611N	R6705/BMARCR	030 109 611S	R6352/R	03G 109 411 A	PI 06-0042	0490 3005	R6759/BMCR
022 109 611P	R6704/BMARCR	030 109 611T	R6198/BM	03G 109 411 B	PI 06-0045	0490 3006	R6760/BMCR
022 109 612D	R3489/RCR	030109101BG	CM05-2128	03G 109 411 C	PI 06-0042	04E109601	R6778/S
022 109 612E	R3489/RCR	030109417B	RA06-939	03G 109 412	PI 06-0043	04E109611L	R6779/RCR
0220-55	G3167	030109417D	RA06-939	03G 109 412 A	PI 06-0044	050 73 735AA	R6173/SNT
0220-73	G3536	0305-23-090	G2938	03G 109 412 B	PI 06-0043	050 73 738AA	R6174/RNT
0220-85	G3340	032 103 418A	G11198	03G 109 412 C	PI 06-0044	050109 309	PI 06-0001
0220.16	G2558	032 103 419A	G11181	03G 109 601A	R6353/S	050109309A	PI 06-0001
0220.25	G2560	032 109 601G	R4804/S	03G 109 601B	R6372/S	050109309C	PI 06-0001
0220.28	G2552	032 109 601L	R6452/S	03G 109 611B	R6354/BM	050109309H	PI 06-0001
0220.38	G2980	032 109 611G	R4805/R	03G 109 611D	R6373/BM	050109309J	PI 06-0001
0220.40	G2554	032 109 611L	R6198/BM	03L 109 601	R6564/S	050109309M	PI 06-0001
0220.51	G2976	032412111A	R3821/S	03L 109 611	R6565/BM	050109309N	PI 06-0001
0220.55	G3234	034109309 N	PI 06-0001	03L109601A	R6690/S	05066769AA	R6461/BMCR
0220.59	G3159	034109309AC	PI 06-0001	03L109611A	R6691/R	05066770AA	R6460/SCR
0220.60	G3160	034109309AD	PI 06-0001	0414 9844	G11405	05073735AA	R6173/SNT
0220.64	G3239	034109309N	PI 06-0001	0414 9849	G11406	05073738AA	R6174/RNT
0220.72	G3241	035 109 601C	R4111/S	0419 5708	G11512	051 103 419	G3561
0220.75	G3163	035 109 601G	R4115/S	042.1420.2/01	MI3782/BMCR	051 109 601B	R4808/S
0220.84	G3454	035 109 601H	R4115/S	0420 8095	R6141/SCR	051 109 611B	R4809/R
0220.93	G3566	035 109 601J	R4641/SCR	0420 8096	R6142/RCR	05175396AA	R6473/SCR
0220.95	G11259	035 109 601K	R4641/SCR	0422 0142	R6223/BMCR	05175396AA	R6496/SCR
0220.A1	G11396	035 109 611F	R4202/RCR	0422 0143	R6222/BMCR	05175397AA	R6474/RCR
0220.A2	G11319	036 109 411E	RA06-948	0422 0708	G11381	05175397AA	R6497/RCR
0221-19	G3538	036 109 411G	RA06-948	0422 6412	R6223/BMCR	052 109 601	R3477/S
0221.19	G3538	036 109 411H	RA06-948	0422 6413	R6222/BMCR	052 109 611	R3478/R
0221.21	G3344	036 109 411J	RA06-948	0423 1976	G11386	052 109 611A	R3727/R
0221.25	G11158	036 109 423 A	PI 06-0008	0425 5216	R6141/SCR	052.1420.0/01	MI3395/SNT
0221.26	G11159	036 109 601	R3654/S	0427 2011	G11449	052.1421.0	MI3967/RNT
0221.28	G11364	036 109 601A	R3976/S	0428 0048	R6377/BMCR	0527-12121	R6056/RNT
022109 601G	R6703/SARCR	036 109 601AD	R6205/S	0428 0049	R6376/BMCR	053 109 611	R4642/BMARCR
025 109 601	R4209/S	036 109 601B	R3763/S	0428 0350	R6377/BMCR	056 103 419A	G2664
025 109 601A/B	R4207/S	036 109 601C	R3726/S	043 106 611	R3544/R	056 109 601A	R3536/S
025 109 612A	R4210/RCR	036 109 601P	R4966/S	043 109 611A	R3544/R	056 109 601C	R3536/S
025 109 612B	R4208/RCR	036 109 601S	R6013/S				

CROSS REFERENCE GUIDE

O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
056 109 611A	R3537/R	069 109 417A	RA06-946	0942.40	PI 06-0007	0949.81	R6330/RCR
058 103 415	G3552	069 109 601	R3641/S	0942.42	PI 06-0019	0949.87	R6061/BMARCR
058 109 601C	R4852/SARCR	069 109 601C	R3662/S	0942.45	PI 06-0007	0949.89	R4976/RCR
058 109 611E	R6189/BMARCR	069 109 601D	R3662/S	0942.46	PI 06-0024	0949.90	R6152/RCR
058 109 611M	R4853/BMARCR	069 109 601F	R4483/SCR	0942.47	PI 06-0007	0949.92	R6111/RCR
059 109 009BH	CM05-2187	069 109 601G	R4483/SCR	0942.48	PI 06-0024	0949.96	R6093/BMCR
059 109 009BJ	CM05-2188	069 109 601H	R4899/BMARCR	0942.49	PI 06-0039	0949.99	R6114/RCR
059 109 021AS	CM05-2190	069 109 601N	R4296/R	0942.50	PI 06-0037	0949.A0	R4887/BMCR
059 109 021BA	CM05-2189	069 109 611L	R4297/R	0942.51	PI 06-0019	0949.A2	R6348/RCR
059 109 021BP	CM05-2121	06B 109 417C	RA06-943	0942.52	PI 06-0019	0949.A3	R6164/BMCR
059 109 021BQ	CM05-2120	06B 109 601D	R6155/S	0942.53	PI 06-0019	0949.A4	R6158/BMCR
059 109 021CK	CM05-2189	06B 109 611C	R6156/BM	0942.87	PI 06-0046	0949.A7	R6160/BMCR
059 109 021CL	CM05-2190	06B109417D	RA06-943	0942.89	PI 06-0019	0949.A8	R6148/RCR
059 109 021CR	CM05-2189	06B409417C	RA06-943	0942.64	PI 06-0019	0949.A9	R6162/BMCR
059 109 021CS	CM05-2190	06D 109 601K	R6206/S	0948.61	R4456/SCR	0949.B1	R6150/BMCR
059 109 021K	CM05-2121	06D 109 601M	R6206/S	0948.62	R4532/S	0949.C1	R6396/BMCR
059 109 021L	CM05-2120	06D 109 601M	R6580/SCR	0948.63	R4883/RCR	0949.C3	R6398/BMCR
059 109 021P	CM05-2120	06D 109 611H	R6207/BMCR	0948.65	R4881/S	0949.C4	R6442/BMCR
059 109 021Q	CM05-2121	06D 109 611K	R6207/BMCR	0948.66	R4458/S	0949.C5	R6148/RCR
059 109 022AF	CM05-2187	06D 109 611L	R6207/BMCR	0948.66	R4608/S	0949.C8	R6440/RNT
059 109 022AG	CM05-2188	06E 109 601E	R6206/S	0948.68	R4623/SCR	0949.E1	R6596/BMCR
059 109 022BC	CM05-2122	06E 109 601H	R6581/SCR	0948.69	R4412/S	0949.E2	R6664/RCR
059 109 022BD	CM05-2123	06E109409A	RA06-951	0948.71	R4360/S	0949.E3	R6509/RCR
059 109 022BQ	CM05-2187	06E109417	RA06-945	0948.72	R4944/SCR	0949.F5	R6727/RCR
059 109 022BR	CM05-2188	06E109417A	RA06-944	0948.73	R4881/S	0949.F6	R6725/R
059 109 022K	CM05-2122	06E109417E	RA06-945	0948.74	R4821/S	0949.F7	R6729/RCR
059 109 022L	CM05-2123	06J 109 423	PI 06-0019	0948.75	R6329/SCR	0949.G3	R6640/BMCR
059 109 022P	CM05-2123	06J109417	RA06-945	0948.82	R6060/S	0K95K12101A	PI 06-0021
059 109 022Q	CM05-2122	070109101P	CM05-2125	0948.83	R4975/SCR	101100330003	R1442/S
059 109 417A	RA06-946	070109101Q	CM05-2161	0948.84	R6151/SCR	105120330001	R3325/S
059 109 417B	RA06-946	071.1420.2/01	MI3784/BMCR	0948.91	R6110/S	105120330102	R3326/R
059 109 417C	RA06-946	071.1421.2	MI4029/BMCR	0948.92	R6112/S	105000330103	R1443/R
059 109 417D	RA06-946	074 109 611	R4640/RCR	0948.93	R6089/S	111212663642	G2070
059 109 417F	RA06-946	074.1420.2	MI4204/BMCR	0948.94	R4243/SCR	116550330007	R3957/R
059 109 417G	RA06-946	074.1421.2	MI4205/BMCR	0948.95	R6092/SCR	116760330001	R3598/RCR
059 109 417J	RA06-946	078 109 601A	R4806/S	0948.99	R6113/S	116760330101	R3599/RCR
059 109 521 B	PI 06-0008	078 109 601B	R4806/S	0948.A1	R6347/S	117170330000	R4180/R
059 109 521 C	PI 06-0008	078 109 611C	R4807/R	0948.A2	R3989/RNT	119130150302	G2042
059 109 521 E	PI 06-0008	078.1420.0	MI4206/SNT	0948.A3	R6163/SCR	119280330001	R3961/RCR
059 109 601B	R6085/SCR	079 109 601B	R6580/SCR	0948.A4	R6157/S	119280330101	R3962/RCR
059 109 601C	R6085/SCR	0801.AC	CM05-2176	0948.A7	R6159/S	1192801524000	G3102
059 109 601F	R6453/SCR	0801.AE	CM05-2175	0948.A9	R6147/S	131929000000	R4334/SCR
059 109 601G	R6514/S	0801.AH	CM05-2145	0948.C0	R6161/SCR	131930000000	R4335/RCR
059 109 611B	R6086/BMARCR	0801.CY	CM05-2144	0948.C2	R6149/SCR	1350187107000	CM05-2156
059 109 611C	R6086/BMARCR	0801.E8	CM05-2141	0948.C4	R6395/SCR	1351187704000	CM05-2157
059 109 611G	R6454/BMARCR	0801.L2	CM05-2143	0948.C7	R6397/SCR	195100330105	R4309/RARCR
059 109 611H	R6515/BMAR	0801.T5	CM05-2142	0948.C8	R6441/S	195360330000	R4308/RCR
059 109 611K	R6515/BMAR	0801.V8	CM05-2147	0948.E0	R6147/S	195990330100	R3599/RCR
059 109 611M	R6515/BMAR	0801.V9	CM05-2103	0948.E2	R6439/SNT	1003734	PI 06-0003
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059109021BQ	CM05-2120	0801.Z9	CM05-2146	0948.E6	R6508/SCR	1004443	PI 03-111
059109022BC	CM05-2122	081.1420.0/01	MI4203/SARNT	0948.E8	R6663/S	1004444	R4791/RCR
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059109444W	RA06-906	0903.58	RA06-913	0948.F7	R6726/SCR	1005252	G2664
059109521G	PI 06-0040	0903.59	RA06-913	0948.F9	R6712/S	1007308	PI 06-0003
062 109 601	R6312/SCR	0903.60	RA06-915	0948.G1	R6728/SCR	1007860	R4343/R
062 109 611A	R6313/BMCR	0903.64	RA06-913	0948.G4	R6711/S	1007861	R4344/R
062.1420.0/12	MI3968/BMCR	0903.65	RA06-914	0948.H0	R6636/SCR	1012747	R4793/RCR
062.1420.2/10	MI3783/BMCR	0903.66	RA06-934	0949.60	R3988/RCR	1012749	R4792/SCR
0636-10-104B	G2943	0903.67	RA06-934	0949.62	R4457/RCR	1020500027	R4186/BMARCR
0636-12111	R6055/SNT	0903.69	RA06-915	0949.63	R4533/RARCR	1020500327	R4186/BMARCR
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066.1421.0	MI3786/BMNT	0910.36	RA06-913	0949.66	R4609/RCR	1020500627	R4307/BMARCR
068 109 601	R3564/S	0942.22	PI 06-0007	0949.68	R4624/BMARCR	1020500827	R4307/BMARCR
068 109 601C	R3646/S	0942.25	PI 06-0017	0949.69	R4699/BMCR	1020501027	R4307/BMARCR
068 109 601D	R4199/BMCR	0942.25	PI 06-0023	0949.70	R4882/RCR	1020501724	G3089
068 109 601M	R4296/R	0942.28	PI 03-105	0949.71	R4413/RCR	1020501824	G3090
068 109 601N	R4296/R	0942.30	PI 06-0007	0949.72	R4609/RCR	1020502501	CM05-2130
068 109 611	R3565/R	0942.31	PI 06-0007	0949.73	R4810/RCR	1020503101	CM05-2130
068 109 611C	R3647/R	0942.32	PI 06-0024	0949.74	R3988/RCR	1020503724	G3178
068 109 611D	R4200/BMCR	0942.33	PI 06-0016	0949.78	R4361/RARCR	1020504024	G3177
068 109 611L	R4484/RCR	0942.34	PI 06-0007	0949.79	R4945/RCR	1020504501	CM05-2130
068 109 611M	R4484/RCR	0942.35	PI 06-0007	0949.80	R4822/RCR	1020504801	CM05-2130

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1020530801	R4472/SNT	1100500726	R3605/SCR	113 109 601A	R1228/S	11341739823	R4865/RCR
1020530901	R4185/SCR	1100502625	G3096	113 109 611C/D	R1229/R	11341741230	R4798/BMARCR
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1020531701	R4472/SNT	1100505424	G3096	113020241	R3723/S	11342242623	R4397/BMAR
1023591	R4789/RCR	1100505824	G3376	113020260	R3722/R	11342242624	R4396/BMCR
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102896	R3362/RCR	1100677	PI 06-0001	1130500227	R6261/RARNT	11342244282	R4622/BMARCR
1030500324	G3175	1100678	R6129/BM	1130530101	R6260/SNT	11342244814	R4919/BMCR
1030500724	G3176	1100679	R6128/S	1130530329	G11060	11342244815	R4920/BMARCR
1030501727	R4474/RARCR	1100997	R3744/RCR	1131988	R6002/SCR	11342246524	R4919/BMCR
1030531601	R4185/SCR	1110500527	R6429/BMARCR	11321717798	PI 06-0029	11342246525	R4920/BMARCR
1030531801	R4185/SCR	1110501227	R4760/RARNT	11321727471	PI 06-0029	11342247077	R6088/BMCR
1030532001	R4473/SNT	1110501327	R4761/RARNT	11321727993	PI 06-0029	11347503737	R6459/S
1031007-5	R6005/RNT	1110501427	R4760/RARNT	11321734341	PI 06-0029	11347503738	R6392/BMARCR
1031008-8	R6004/SNT	1110501801	CM05-2162	11321739298	PI 06-0001	11347505731	R4865/RCR
1033898	R4997/RCR	1110501901	CM05-2131	11321739299	PI 06-0001	11347513023	R6252/SCR
1033899	R4999/BMCR	1110530201	R6428/SCR	11321739299	PI 06-0029	11347513024	R6253/BMCR
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1037331	PI 06-0003	1110531101	R4758/SNT	11321748880	PI 06-0021	11347533885	R6725/R
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1040501427	R6259/BMCR	11115-73G01-001	G11438	11331709063	RA06-909	11347552953	R6735/BMCR
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1049652104	MI5152/SCR	11122-27010	G11369	11341435461	R6459/S	11347805968	R6397/SCR
1049652147	MI5197/SCR	11122-30020	G11368	11341438451	R4864/S	11347805969	R6398/BMCR
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1049652152	MI5200/BMCR	11122-56010	G11192	11341485585	R6252/SCR	11347812618	R6771/SCR
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1049685145	MI5201/BMCR	11122-74030	G11505	11341720827	R4454/S	1143057	R6607/RCR
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1051772	R4992/SCR	11126-24020	G2746	11341722910	R4617/S	1145932	R6323/RCR
1051773	R4994/SCR	11126-54011	G3497	11341722911	R4618/BMARCR	1145933	R6322/SCR
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1072048	R6140/SCR	1121331	R6145/SCR	11341738214	R4799/SCR	1152191	R6322/SCR
1077095	CM05-2152	1121332	R6146/BMCR	11341738215	R4800/BMARCR	1152367	R4097/RCR
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1078429	R6144/BMCR	1122364	R6195/SCR	11341738219	R4865/RCR	1159652101	MI5154/SCR
1079769	R6087/S	1124377	R6371/RNT	11341738220	R4799/SCR	1159685105	MI5155/BMCR
1080500524	G2142	1124378	R6370/SNT	11341738221	R4800/BMARCR	116 109 601D	R3100/S
1089830	R6418/BMCR	1124514	R6003/BMCR	11341739658	R6015/S	1160500027	R4476/BMARCR
1096248	R6168/RCR	1127416	R6417/SCR	11341739665	R6016/BMARCR	1160500426	R4475/RNT
1096250	R6167/SCR	112999	R4160/RCR	11341739820	R4864/S	1160500427	R6133/RNT

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1160503624	G3083	12911-51K00	R6611/SNT	13201-01M00	R4403/SNT	13202-16A00	R4486/RNT
1160504724	G3181	12911-54G00	R6212/SNT	13201-01W01	R4890/S	13202-1800	R3836/RCR
1160504924	G3182	12911-60A10	R4551/SNT	13201-0370R	R6797/S	13202-1F700	R6431/RNT
1160505324	G3183	12911-66G00	R4883/RCR	13201-16A00	R4485/SNT	13202-21002	R3842/RCR
1160505524	G3184	12911-68L10-000	R6636/SCR	13201-17F01	R4744/SNT	13202-22F00	R4745/RNT
1160530201	R6132/SNT	12911-69G00	R6210/SNT	13201-18000	R3835/S	13202-2F000	R6276/RNT
1170500027	R4471/BMARC	12911-69L00-000	R6722/SNT	13201-1980R	R6185/S	13202-2F210	R6278/RARNT
1170500126	R4470/RCR	12911-71C00	R6121/SNT	13201-1F700	R6430/SNT	13202-2J201	R6109/RNT
1170500127	R4471/BMARC	12911-73G00	R6216/SNT	13201-20610	R3839/S	13202-2W200	R6283/RCR
1170500624	G3084	12911-73G01	R6216/SNT	13201-21000	R3841/SCR	13202-31N01	R4924/RNT
11915-A78B01-000	R4895/RNT	12911-73J00	R6395/SCR	13201-22301	R6510/RARNT	13202-40L00	R4747/RARNT
1196772	R4675/BMAR	12911-78B00-000	R4894/SNT	13201-22J00/01	R6510/RARNT	13202-43G01	R4924/RNT
1198044	R6144/BMCR	12911-78E00	R6333/SNT	13201-22J11	R4746/RARNT	13202-44F00	R6007/RARNT
1202362	R6323/RCR	12911-82000	R4549/SNT	13201-25M00	R4407/SNT	13202-44G00	R4812/RCR
1207533	R6464/SNT	12911-84000	R4162/SNT	13201-2F000	R4653/RCR	13202-4894R	R6798/BM
1210530401	R3431/S	12911-85E00	R6304/SCR	13201-2F200	R6281/SNT	13202-4A00A	R6612/RNT
1212979	PI 06-0019	12911-85E01	R6304/SCR	13201-2J201	R6108/SNT	13202-4A00D	R6612/RNT
1214456	R6146/BMCR	12911-86500	R4742/SNT	13201-2W201	R6282/SCR	13202-51N00	R4924/RNT
1216915	R6145/SCR	12911-86CA0	R4883/RCR	13201-3562R	R6799/SNT	13202-5379R	R6800/RCR
1217148	R6145/SCR	12911-86F50	R6214/SNT	13201-43G01	R4923/SNT	13202-57Y00	R4654/RCR
12204-689-305	G3567	12911-M68K00-000	R6611/SNT	13201-44G00	R4811/RCR	13202-57Y60	R4654/RCR
12204-P5TG00	G11323	12911-M84400	R6445/SNT	13201-4A00A	R6611/SNT	13202-58002	R4591/RCR
12204-PA6-305	G11094	12911-M84420	R6445/SNT	13201-4M500	R6275/SNT	13202-60J02	R6176/RNT
12204-PH7-305	G11096	12911-M86J00	R6304/SCR	13201-51E10	R6006/SNT	13202-63A00	R4408/RNT
12204-PJ7-305	G3571	12911A82000	R4549/SNT	13201-57Y00	R4653/RCR	13202-69T00	R4924/RNT
12204-PNA-305	G11472	12915-54G00	R6213/RNT	13201-58000	R4590/SCR	13202-6F900	R4822/RCR
12204-PR3-305	G11474	12915-60A50	R4552/RNT	13201-60J04	R6175/SNT	13202-70J10	R4656/RCR
12205-657-315	G11095	12915-66G00	R3988/RCR	13201-69T60	R4923/SNT	13202-7F400	R4924/RNT
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12205-PJ7-305	G3572	12915-69L00-000	R6723/RNT	13201-73000	R3843/S	13202-9C601	R6067/RCR
12205-PNA-305	G11513	12915-69L60-000	R6723/RNT	13201-89J00	R6106/SNT	13202-9F600	R6277/RNT
12205-PR3-305	G11475	12915-71C50	R6122/RNT	13201-99B10	R4651/RNT	13202-9X700	R4767/RCR
12208-634-000	G3573	12915-73G00	R6217/RNT	13201-9X700	R4766/SCR	13202-AA361	R6444/RNT
12209-634-000	G3574	12915-73G20	R6217/RNT	13201-AA351	R6443/SNT	13202-AA430	R6077/RNT
12209-634-670	G11091	12915-73J00	R6396/BMCR	13201-AA420	R6076/SNT	13202-AA440	R6069/BMARNT
1229882	R6397/SCR	12915-78B00-222	R4895/RNT	13201-AA430	R6068/RNT	13202-AD200	R6285/RNT
1229883	R6398/BMCR	12915-78E00	R6334/RNT	13201-AAQAK	R6185/S	13202-AU300	R6594/RNT
1230530101	R4189/SCR	12915-82000	R4550/RNT	13201-AD210	R6284/SNT	13202-AW300	R4974/R
1231272	RA06-934	12915-82050	R4550/RNT	13201-AU300	R6593/SNT	13202-B16700	R3844/RCR
1231930	R6164/BMCR	12915-84000	R4163/RNT	13201-AW300	R4973/S	13202-B3000	R3844/RCR
1231931	R6163/SCR	12915-85E00	R6305/BMCR	13201-B5100	R3843/S	13202-B5910	R3840/RCR
125195	R3972/SCR	12915-86500	R4743/RNT	13201-BC000	R6538/SNT	13202-BC000	R6539/RNT
125196	R3973/RCR	12915-86CA0	R3988/RCR	13201-BM500	R6279/SNT	13202-BM500	R6531/RNT
1254382	R6219/BMCR	12915-86F50	R6215/RNT	13201-BM505	R6530/SNT	13202-BN300	R6285/RNT
1255011	RA06-915	12915-M68K00-000	R6612/RNT	13201-BN300	R6284/SNT	13202-BN700	R6186/BM
1257053	R3641/S	12915-M84400	R6446/RNT	13201-BN700	R6185/S	13202-C8000	R4591/RCR
1257054	R3565/R	12915-M84440	R6446/RNT	13201-EB300	R6284/SNT	13202-EB300	R6285/RNT
1257613 - 8	G2664	12915A82050	R4550/RNT	13201-ED000	R6540/SNT	13202-ED000	R6541/RNT
1259989	R6218/BMCR	129661	R4242/SCR	13201-ED00A	R6540/SNT	13202-ED00A	R6541/RNT
1265453	R3635/SCR	12G1111	G2772	13201-ED00C	R6540/SNT	13202-ED00C	R6541/RNT
1267687	R3635/SCR	12G941	R3357/SNT	13201-EN20A	R6603/SNT	13202-EN200	R6604/RNT
1267688	R3636/BMARC	1300100Q0R	CM05-2148	13201-F1800	R3845/S	13202-F700	R6431/RNT
1270391	G11201	1300500124	G2140	13201-G2403	R4923/SNT	13202-G2403	R4924/RNT
1270397	G11203	13020927	R6195/SCR	13201-H1000	R3835/S	13202-H1000	R3836/RCR
1270455	R6608/SCR	13020VB100	CM05-2100	13201-H2300	R3835/S	13202-H7400	R3836/RCR
1271077300	CM05-2132	1307654	R6220/SCR	13201-H9500	R4428/SCR	13202-H9500	R4429/RCR
1271077314	CM05-2132	1307655	R6221/BMCR	13201-KT04	R6773/SNT	13202-L2000	R4402/RNT
1271078B10	CM05-2154	1313683	G11322	13201-L2000	R4401/SNT	13202-N8500	R4589/RNT
1271080002	CM05-2133	1317792-8	R4737/RCR	13201-N8501	R4588/SNT	13202-P5100	R3848/RCR
127601	R3974/SCR	1317793-6	R4736/SCR	13201-Y5200	R3853/S	13202-V7202	R6511/RARNT
12786696	R6310/SCR	1317798	PI 06-0016	13201-Y9701	R4287/SCR	13202-V7203	R6511/RARNT
12791961	R6311/BMCR	1319081	R6364/RCR	13201D9702	R4356/SCR	13202-Y5200	R3854/RCR
1280643	R3636/BMARC	1319249	PI 06-0019	13202-00Q0A	R6575/BM	13202-Y9701	R4288/RCR
12832-66G00	R4883/RCR	13201 - 9C600	R6066/RCR	13202-00QAD	R6238/BM	13202D9702	R4357/RCR
12840-85E00-000	RA06-900	13201-00Q0A	R6574/S	13202-00QAE	R6192/BM	1320530001	R6743/SNT
12840N86J00-000	RA06-900	13201-00Q0G	R6185/S	13202-00QAH	R4934/R	1320530005	R6744/RNT
12841-73J01-000	RA06-934	13201-00QAD	R6237/S	13202-00QAK	R6178/BM	1320926	R6413/SCR
12841-77300	RA06-908	13201-00QAE	R6138/S	13202-00QAP	R6186/BM	1320927	R6195/SCR
12850N86J00-000	PI 06-0019	13201-00QAG	R4933/S	13202-01B00	R4441/RCR	1320928	R6464/SNT
12891-67G01-000	PI 06-0019	13201-00QAJ	R6177/S	13202-01M00	R4404/RNT	1321-2AA130	G11276
12891-79J50-000	PI 03-102	13201-00QAN	R6185/S	13202-01W03	R4891/RNT	13212-01B11	G11123
12891-85E00-000	PI 06-0019	13201-01B00	R4440/SCR	13202-10B00	R4441/RCR	13212-21010	G2709

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13212-30001	G2704	13711-15090	R6123/SNT	13715-56010	R4666/RNT	14721-P08000	R6233/BMNT
13212-43G01	G3565	13711-15090	R6125/SNT	13715-56030	R4668/RNT	14721-P13000	R6667/RNT
13212-53Y60	G3221	13711-17010	R6314/SNT	13715-64010	R4445/RNT	14721-P1JEO0	R6233/BMNT
13212-54T00	G3564	13711-20020	R6641/SNT	13715-67020	R6315/RNT	14721-P2A-000	R6233/BMNT
13212-6F900	G3555	13711-21010	R6074/SNT	13715-67040	R6661/RNT	14721-P2A000	R6233/BMNT
13212-8P360	G11431	13711-22030	R6599/SNT	13715-71010	R6026/RNT	14721-P5TG01	R6120/RNT
13212-9C641	G11434	13711-22040	R6070/SNT	13715-74100	R6127/RNT	14721-PC1000	R4525/RNT
13212-AA040	G11363	13711-23030	R6072/SNT	13715-87105	R6225/RNT	14721-PC0000	R4425/RNT
13212-D0110/111	G11138	13711-23030	R6228/SNT	13715-87106	R6225/RNT	14721-PDAE00	R6404/RNT
13212-ED060	G11465	13711-24010	R3871/S	13715-87202	R6638/RNT	14721-PE0000	R4523/RNT
13212-H0112	G2706	13711-24011	R3873/S	13715-87701	R4677/RNT	14721-PG6000	R4913/RNT
13213-01B11	G11125	13711-25011	R4530/SCR	13715-87703	R4463/RNT	14721-PH3000	R4906/RNT
13213-21010	G2710	13711-27010	R6183/RNT	13715-97203	R6227/RNT	14721-PH7000	R6234/RNT
13213-30002	G2705	13711-28010	R6294/SNT	13715-97401	R6073/RNT	14721-PLZ-D00	R6137/RNT
13213-53Y60	G3222	13711-30030	R6316/SNT	13715-97401	R6229/RNT	14721-PM3000	R4901/RNT
13213-6F900	G3556	13711-30040	R6622/SNT	1372743	CM05-2171	14721-PNA-000	R6556/RNT
13213-6N260	G11432	13711-31030	R3875/S	1372744	CM05-2172	14721-PR3000	R6406/RNT
13213-AA120	G11278	13711-31050	R3877/S	1374186	R6370/SNT	14721-PT2000	R4915/RNT
13213-ED060	G11467	13711-33030	R6320/SNT	1378473-1	R4734/RCR	14721-PT3A00	R4908/RNT
13213-H0112	G2707	13711-35010	R6020/SNT	1378474-9	R4735/RCR	14721-PWA000	R6592/RNT
13213-V5514	G11141	13711-35030	R6020/SNT	1378960	G3507	14721-RB0-000	R6802/RNT
13230-AA110	PI 06-0020	13711-37020	R6560/SNT	13801-87702	RA06-921	14721-RBD-E00	R6558/RNT
13231-00QAA	PI 06-0013	13711-40040	R6439/SNT	13811-87104	RA06-922	14721-RL0-G50	R6742/RNT
13231-40L05	PI 06-0027	13711-47010	R6769/SNT	13812-87102	RA06-923	1477022	R6434/BMCR
13231-V7215	PI 06-0028	13711-54010	R4399/SNT	13813-87102	RA06-924	1487425	G11247
13234-00QQA	PI 06-0019	13711-54020	R6314/SNT	13814-87102	RA06-925	1487455	R4344/R
1324690	R6342/RNT	13711-54040	R6660/RNT	1389261-7	R3662/S	1487788	PI 06-0019
1324691	R6341/SNT	13711-56010	R4665/SNT	1389262-5	R3647/R	15160	G2399
13257-00QQA	RA06-940	13711-56030	R4667/SNT	1397190	R4962/SCR	15161	MI5114/S
13257-00QAB	RA06-917	13711-64010	R4444/SNT	1397191	R4963/BMARCR	15162	MI5115/S
1327029	R6221/BMCR	13711-71010	R6025/SNT	1397521	R3744/RCR	151631	R3789/S
1328088-8	R3662/S	13711-74101	R6126/SNT	1397641-0	R4937/SCR	151632	R4133/S
1328089-6	R3647/R	13711-87103	R6224/SNT	1398624	G11362	151633	R3790/BMCR
1328147-2	R3662/S	13711-87104	R6224/SNT	1403823	G11437	151634	R4041/BMCR
1328148-0	R3647/R	13711-87202	R6637/SNT	1404918	R6501/BMCR	1521209	G11362
1328537	R6435/BMARCR	13711-87701	R4676/SNT	1404919	R6500/SCR	1521210	G11361
1331285	PI 06-0039	13711-87704	R4462/SNT	1445830	R6435/BMARCR	1523410	G3265
1333230	R6434/BMCR	13711-97205	R6226/SNT	1457499	R6458/RCR	15329	MI5108/SCR
133471	R4448/SCR	13711-97401	R6072/SNT	1457503	R6457/SCR	15330	MI5109/RCR
1336290-0	R4732/SCR	13711-97401	R6228/SNT	14711-611000	R3801/RCR	153692	R3794/BMCR
1336291-8	R4733/RCR	13711-0D020	R6070/SNT	14711-634920	R3799/RCR	153694	R3793/SCR
1342220	R6488/SCR	13712-10010	R4660/SNT	14711-689000	R4904/SNT	1538733	PI 06-0019
134309	R4446/SCR	13714-54040	R6414/RNT	14711-P08000	R6232/SNT	1538735	R6304/SCR
1345509	R6583/SCR	13715-0D020	R6071/RNT	14711-P13000	R6666/SNT	1539543	RA06-900
1349547	CM05-2170	13715-0J010	R6073/RNT	14711-P1JEO0	R6232/SNT	1543026	R4687/SCR
1349549	CM05-2169	13715-0R010	R6563/RNT	14711-P2A000	R6232/SNT	1543027	R4688/BMCR
13501-27011	CM05-2159	13715-10030	R4661/RNT	14711-P5TG01	R6119/SNT	15451354	G3312
1350187103	CM05-2156	13715-15010	R4519/RNT	14711-P75A00	R6098/SNT	1545290	R4032/SCR
1350187112	CM05-2156	13715-15030	R4749/RNT	14711-PB2000	R4902/SNT	1546437	G11374
13502-27011	CM05-2160	13715-16060	R6124/RNT	14711-PC1000	R4524/SNT	1547492	R6300/BMCR
1350530001	R6494/SNT	13715-17010	R6414/RNT	14711-PC6000	R4422/SNT	155084506	G2156
1350530005	R6495/RNT	13715-20020	R6642/RNT	14711-PC0000	R4424/SNT	155085004	G2154
1351187710	CM05-2157	13715-21010	R6075/RNT	14711-PDAE00	R6403/SNT	1556472	R4687/SCR
135118774	CM05-2157	13715-22030	R6600/RNT	14711-PE0000	R4522/SNT	1556473	R4688/BMCR
1352127	R6584/BMCR	13715-22040	R6071/RNT	14711-PG6000	R4912/SNT	1556604-5	G11207
1352129	R6144/BMCR	13715-23030	R6073/RNT	14711-PH3000	R4905/SNT	1556607-8	G11205
1360819	R4951/BMAR	13715-23030	R6229/RNT	14711-PM3000	R4900/SNT	1556813	R4687/SCR
1360833	R6365/RCR	13715-24010	R3872/RCR	14711-PNA-000	R6555/SNT	1556896	R4688/BMCR
1360834	R3744/RCR	13715-24012	R3874/RCR	14711-PR3000	R6405/SNT	157983	G3325
1360836	R4371/RCR	13715-25011	R4531/RCR	14711-PT2000	R4914/SNT	158601	R3980/BMCR
1361189	R3743/SCR	13715-27010	R6184/RNT	14711-PT3A00	R4907/SNT	158602	R4140/BMCR
1361191	R4130/RCR	13715-28010	R6295/RNT	14711-PWA000	R6591/SNT	1595025	R3490/N
1361192	R4106/RCR	13715-30030	R6317/RNT	14711-R60-U00	R6803/SNT	1600500027	R6039/RNT
1362696	R6489/BMCR	13715-30040	R6623/RNT	14711-RB0-000	R6801/SNT	1600500180	PI 06-0030
1366490	R4938/RCR	13715-31030	R3876/RCR	14711-RBD-E00	R6557/SNT	1600530001	R6038/SNT
1369828	R6298/SCR	13715-31070	R3878/RCR	14711-RL0-G00	R6741/SNT	1603846	R6582/SCR
1369831	R6299/BMARCR	13715-33040	R6321/RNT	14711-RNA-000	R6559/SNT	1610002	R4225/RCR
13711-02050	R6125/SNT	13715-35020	R6021/RNT	14711-PLZ-D00	R6136/RNT	1614280	R4953/BM
13711-0J010	R6072/SNT	13715-35030	R6021/RNT	1472-1P75A00	R6099/BMNT	1614766	CM05-2153
13711-0R010	R6562/SNT	13715-37030	R6561/RNT	1472-1PC6000	R4423/RNT	1631002	R4410/SCR
13711-10020	R4664/SNT	13715-40040	R6440/RNT	14721-611000	R3802/RCR	1631007	R4224/SCR
13711-15010	R4518/SNT	13715-47010	R6770/RNT	14721-634920	R3800/RCR	1639187	PI 06-0001
13711-15050	R4748/SNT	13715-54010	R4400/RNT	14721-689660	R4903/RNT	1641007	CM05-2158

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1649127	PI 06-0001	2,79005E+11	R6499/RNT	22211-04000	R6813/SNT	266305	R4513/BMCR
1660500080	PI 06-0034	201-50880	G2430	22211-22003	R6250/SNT	266306	R4514/BMICR
1660500327	R6131/RNT	201-50890	G2431	22211-23000	R6407/SNT	2664525	G11321
1660530101	R6130/SNT	201/50871	R3617/S	22211-23600	R6585/SNT	267356	R4511/BMCR
1669765	PI 06-0001	201/50891	R3618/XB	22211-26600	R6241/SNT	267357	R4512/BMCR
1669766	R4776/BMCR	201/80240	R4320/XB	22211-27000/01	R6239/SNT	26812111	R3813/S
1669772	R4777/BMCR	201/80250	R4319/S	22211-29000	R4243/SCR	26812121	R3814/RCR
1673827	R6618/RARNT	20360026	R3598/RCR	22211-2A100	R6570/SNT	270247	R4106/RCR
1673829	R6617/SNT	20370025	R3599/RCR	22211-2B000	R6566/SNT	2710500027	R6471/BMARCR
1675716	R6164/BMCR	20380025A	G3126	22211-2B400	R6566/SNT	2710500333	RA06-947
1683701	R6724/SCR	20441486	R6301/BMCR	22211-2F000	R6809/SNT	2710500533	RA06-947
1684773	R6582/SCR	20441945	R6379/BMCR	22211-2G000	R6811/SNT	2710500627	R6631/BMARCR
1685845	R6714/RCR	20450002	R6380/SCR	22211-33000	R6248/SNT	2710530001	R6470/SCR
1685847	R6713/SCR	20459326	R6378/SCR	22211-37201	R6409/SNT	2710530501	R6630/SCR
168843	R6057/RCR	20513284	R6816/BMARCR	22211-42520	R6102/BMNT	2710530601	R6630/SCR
1704531	CM05-2171	20513285	R6816/BMARCR	22211-42850	R4537/SNT	2719652005	MI5049/S
1706990	R6146/BMCR	20561995	R6587/BMCR	22211-42860	R6795/SNT	2719685006	MI5050/R
17105698	PI 06-0010	20562837	G11586	22211-4A061	R6466/SNT	2720500927	R6633/BMARCR
1717798	PI 06-0029	20739057	R6815/SARCR	22212-02200	R6569/RNT	2720530801	R6632/SCR
1727471	PI 06-0029	20739058	R6815/SARCR	22212-02500	R6170/RNT	272803	R3743/SCR
1727993	PI 06-0029	20740798	R6587/BMCR	22212-03200	R6573/RNT	272804	R3741/SCR
1734341	PI 06-0029	20768506	R6588/BMCR	22212-03201	R6573/RNT	276-4845-26	G2482
1738494	R6145/SCR	20768519	R6588/BMCR	22212-04000	R6814/RNT	276-4845-27	G2484
1739299	PI 06-0001	20833932	R6759/BMCR	22212-22011	R6251/R	2769652015	MI5064/S
1748880	PI 06-0021	20833936	R6760/BMCR	22212-23000	R6408/RNT	2769685019	MI5065/R
1748881	PI 06-0021	20904074	G11493	22212-23600	R6586/RNT	278102	R6365/RCR
1748882	PI 06-0021	20916916	G11586	22212-25002	R6812/RNT	2839652017	MI5066/S
1748884	PI 06-0021	20980413	R6759/BMCR	22212-26000	R6242/RNT	2839685027	MI5067/R
1759652157	MI5193/SCR	20997871	R6760/BMCR	22212-26600	R6242/RNT	285-4845-48	G2492
1759685150	MI5194/BMCR	21011007010	R3447/S	22212-27000/01	R6240/RNT	285-4845-49	G2490
1760579	R6819/SNT	21011007012	R3448/R	22212-29000	R4810/RCR	291-4845-46	G2496
1760588	R6820/RCR	21011007032	G2397	22212-2A100	R6571/RNT	291-4845-47	G2494
1778492	R6697/BMARCR	21011007033	G2398	22212-2B000	R6567/RNT	29136	MI3347/S
1781847	R6697/BMARCR	210279	G2796	22212-2F000	R6810/RNT	29137	MI3348/XB
1809652044	MI5140/S	21081007010	R4387/SNT	22212-2F010	R6810/RNT	291416	G2611
1809685045	MI5141/R	21081007012	R4389/RNT	22212-33000	R6249/RNT	291417	G2612
1854798	R6696/BMCR	21081007032	G3518	22212-37200	R6410/RNT	2919652019	MI5062/S
1854799	R6696/BMCR	21081007033	G3519	22212-42520	R6103/BMNT	2919685031	MI5063/R
1887056	R6696/BMCR	2112-1007010	R6468/SNT	22212-42850	R4538/RNT	29219011	MI3487/SNT
1902205	R3298/NNT	2112-1007012	R6469/RNT	22212-42860	R6796/RNT	29220	MI3095/XB
1904654	R4233/RNT	213 3730	R4556/RCR	22212-4A061	R6467/RNT	294674	R4371/RCR
1904655	R4233/RNT	214 8102	G11063	22231-2A000	PI 06-0019	2M6402	R4345/RCR
1904656	R4232/SNT	214 8103	G11066	22231-4A000	PI 06-0019	2M6403	R4346/RCR
1904657	R4260/BMNT	214 8105	G11065	222314-A001	PI 06-0019	2P1262	G2698
1904658	R4259/BMNT	214 8106	G11068	223 2528	G2818	2S6Q 6500 AA	PI 06-0019
1908408	R4232/SNT	214 8907	R4492/RCR	223 3020	G2821	2S6Q 6500 AB	PI 06-0019
1908409	R4233/RNT	215715	R4866/SCR	2247056	RA06-942	2S6Q-6564-AA	RA06-914
1908427	R4893/BMCR	220081	G3513	2248878	RA06-942	2S6Q6250AD	CM05-2144
1949652148	MI5195/SCR	22016	G2558	232018	R3744/RCR	2W2620	R4343/R
1949685151	MI5196/BMCR	220510	G2700	240 2585	R4491/SCR	2W2621	R3937/S
1952666	R4923/SNT	22114-02500	G11324	241 1287	G2158	2W2622	R4096/RCR
1962501	R4924/RNT	22114-22905	G11418	241 1288	G2159	2W3211	R4969/BMAR
1969652130	MI5183/SCR	22114-23000	G11422	241 2165	R4492/RCR	300957	G3265
1969685133	MI5184/BMCR	22114-23501	G11420	2414160	G2613	300958	G3266
1E05-12111	R4790/SCR	22114-26000	GS11461	24170-27001	RA06-936	30109411	RA06-939
1E05-12121	R4791/RCR	22114-27000	G11424	24180-27000	RA06-937	3040361R1	R3663/S
1M21 6500 AA	PI 06-0019	22114-27000	GS11424	24222B	G2609	3043826R1	R3664/S
1N4885	R4345/RCR	22114-2A000	G11477	24223A	G2610	3044492R1	G2721
1P2629	R4346/RCR	22114-2B000	G11478	243477	R3742/RCR	3044493R1	G2722
1P407	R4345/RCR	22114-42000	G11327	243648	R4867/RCR	3055022R1	G3199
1S4G6507BA	R6413/SCR	22114-42520	G3217	24405815	R6505/BMCR	3055055R2	R3513/S
1S4G6507BB	R6413/SCR	22114-4A000	G11490	24426433	R6815/SARCR	3055056R2	R3514/BM
1S4G6507CA	R6195/SCR	22115-22905	G11419	24428752	CM05-2137	30711497	R6398/BMCR
1S4G6507CB	R6195/SCR	22115-23501	G11421	24610-03000	PI 06-0019	30711498	R6397/SCR
1S6G6505BA	R6196/RCR	22115-26000	GS11462	24610-22020	PI 06-0020	30711499	PI 06-0019
1W1822	R4969/BMAR	22115-37100	G11423	24610-22600	PI 06-0020	30711504	RA06-934
1W3859	R4096/RCR	22115-42000	G11328	25183821	R6787/SCR	30711638	R6196/RCR
1W3860	R4097/RCR	22115-42520	G3218	25183822	R6788/RCR	30711639	R6195/SCR
1W8606	R4968/BMAR	22115-4A000	G11491	257263	R4560/SCR	30777328	R6371/RNT
2 247 722	PI 06-0019	22211-02200	R6568/SNT	262.9652.05	MI5047/S	30777329	R6370/SNT
2 249 817	PI 06-0019	22211-02500	R6169/SNT	262.9685.25	MI5048/R	30882363	G11161
2,10811E+11	R4388/SNT	22211-03200	R6572/SNT	2660500027	R6472/RNT	30889401	R4973/S
2,79005E+11	R6498/SNT	22211-03201	R6572/SNT	2660530105	R6472/RNT	30889403	R4974/R

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3100519-2	R3394/R	3270530701	R4088/SCR	393264	G11362	4220500127	R4568/BMCR
3102891 - 3	G3065	3270530705	R4089/RCR	39402830	R4152/SCR	4220500227	R4568/BMCR
3104401-9	R3589/S	3270530830	G2148	39402840	R4153/RCR	4220530430	G3080
311 109 601	R1417/S	3270531430	G2151	39403030	R4150/SCR	422320	G2751
311 109 612	R3006/R	3277693-2	R3648/S	39403040	R4151/RCR	423 0567	R4708/BMCR
311 109 612A	R3006/R	3277813-6	R3966/R	394838	R6401/BMCR	423 1804	R6324/BMCR
311.1420.0	MI5112/S	3287419-0	R4223/SCR	394839	R6402/BMCR	423 4952	R6335/SCR
311.1421.0	MI5113/XB	3287966-0	R4164/S	3978766	R6450/BMCR	423016-5	R3737/SCR
3120530230	G2131	3287967-8	R4165/R	3978768	R6449/SCR	423017-3	R3738/SCR
31216640	PI 06-0019	3316A031	G2533	3M5Q-6500-AB	PI 06-0039	4230500026	R4580/SARCR
3122-23010	G2748	3318A012	G11395	3M5Q-6500BA	PI 06-0019	4230500327	R4569/BMCR
31251885	PI 06-0019	3318A705	G11394	3M5Q-6564-BA	RA06-915	4230500427	R4581/BMCR
31330181	R6726/SCR	33261723	G2532	3M5Q6564AA	RA06-934	4239917	R3323/SCR
31330182	R6727/R	33261732	G2537	3M5Q6A273AC	CM05-2145	4239918	R3324/R
3142A031	R3718/R	33261741	G2540	401-4845-086	G11104	424 0712	R6032/BMCR
3142A051	R4925/R	33261752	G2538	403546	G11235	424 0713	R6382/SCR
3142A052	R4248/R	33261754	G3233	4062108	R1430/N	424 0714	R6247/SCR
3142A081	R4246/R	3342278-3	R4221/S	4094941	R3243/R	4250801	G2231
3142A091	R6358/R	33431503	G2543	4130546	G2223	4250803	G2235
3142A101	R6360/R	3343624	G11161	4130547	G2227	4250803	G2265
3142D031	R6307/R	3343738-5	R4222/R	4132069	R3175/S	4255694	R3241/R
3142D041	R6306/R	3343J021	G2538	414 6225	R4491/SCR	4265695	R3561/SCR
3142D061	R6456/R	3344841-6	R4723/S	414 6226	R4491/SCR	4265699	G2196
3142H002	R4247/N	3344842-4	R4724/R	414 7322	G11404	4266321	R3359/R
3142H007	R6357/R	3371746	R4557/R	414 7327	G11403	427 2209	R6187/SCR
3142H011	R6359/SCR	34109309	PI 06-0001	4146638	R3243/R	428 0049	R6376/BMCR
3142H041	R6455/R	341730	G2614	4147475	R3176/R	428 0350	R6377/BMCR
3142H042	R6357/R	3460530001	R3702/R	415 3629	R3351/R	428 0404	R6521/BMCR
3142L051	R4988/SCR	3460530005	R3703/R	415 3631	R3351/R	428 3376	R6546/SCR
3142L071	R4928/R	3460530101	R3702/R	415 3696	R3352/R	428 3377	R6547/BMCR
3142L072	R4989/R	3460530105	R3703/R	415 3697	R3352/R	428 3380	R6526/SCR
31431011	R4246/R	3460530929	G2146	415 3773	R3351/R	428 3381	R6527/BMCR
31431031	R4991/R	35150432	R3466/R	415 9136	R4708/BMCR	4286929	R3324/R
31431109	R3048/R	351K50420	R3465/SCR	415 9137	R4709/BMCR	4294099	R3435/R
31431271	R3050/S	3520530101	R3724/SCR	415 9138	R4708/BMCR	4300760	R3453/R
31431281	R3049/N	3520531505	R3725/R	415 9139	R4709/BMCR	4311899	G2188
31431311	R3659/SCR	3520532229	G3514	415 9140	R6031/BMCR	4315062	R3324/R
31431385	R3720/R	3520533730	G3515	4152447	PI 03-102	4319339	R3594/R
31431401	R3885/N	352211	R6047/R	41524470	PI 03-102	4340118	R3528/SCR
31431402	R3886/N	3522347	R3744/R	415266	G11235	4340119	R3529/R
31431411	R3887/R	3547247-1	R4314/R	417 0898	R6187/SCR	4354245	G2828
31431412	R3888/R	3550500127	R3703/R	417 0899	R6188/SCR	4358	G2615
31431491	R3717/S	3550530001	R4094/R	4173747	R3242/R	4359309	R3563/R
31431591	R3050/S	3550530005	R4095/R	418 5461	R6032/BMCR	4359652061	MI5092/S
31431641	R3047/N	3550530330	G2147	418 5463	R6247/SCR	4359685067	MI5093/R
31431661	R1247/N	3600500126	R4604/BMCR	418 5770	R6033/SCR	4365783	R3469/R
31431681	R4245/N	3600500127	R4089/R	4183269	R3447/S	4368843	R3609/SCR
31431761	R4246/R	3600500226	R4604/BMCR	4183270	R3448/R	4368845	R3610/R
31431822	R3719/R	3600500227	R4605/BMCR	4190307	R3470/R	4371508	G2232
31431861	R1248/S	3600500326	R4088/SCR	419292-8	R4571/R	4371545	G2189
31431961	R3660/R	3609652036	MI5086/S	419368-6	R4570/SCR	4372160	G2236
31431981	R4990/SCR	3609685046	MI5087/R	419563	G2647	4372160	G2266
3165234	R6301/BMCR	36109411	RA06-938	419639-0	R4034/SCR	4372331	G2197
3169490	R6300/BMCR	3660500027	R3725/R	419640-8	R3940/R	4373602	G2251
318.1420.0	MI5110/S	3660500226	R4917/SCR	419652	G2644	4373603	G2252
318.1420.0/10	MI5142/S	3660500227	R3725/R	419735-6	R3940/R	4374855	R3243/R
318.1421.0	MI5111/R	3660500326	R4898/SCR	419766-1	R3939/SCR	4374855	R3549/R
3183283	G11374	366256	R6365/R	420 8095	R6141/SCR	4376864	R3554/R
3210531230	G2132	368893	G2701	420 8096	R6142/R	4377979	R3551/R
322827	R3790/BMCR	3802005	R4958/SCR	420002	G2533	4379986	R3547/N
322828	R4041/BMCR	3802085	R4957/BMCR	420553-0	R4564/SCR	44 09 839	PI 06-0013
322894	R3789/S	3802275	R4956/SCR	421016-7	R3279/SCR	44 31 246	PI 06-0019
322895	R4133/S	3802355	R4958/SCR	421017-5	R3280/R	4401465325	R4639/SCR
323107	R3978/BMCR	3802463	R4956/SCR	421208-0	R3280/R	4403047	R3594/R
323108	R4134/BMCR	3825723	R4564/SCR	4212771	R3281/N	4409128	RA06-917
323109	R3788/BMCR	3901117	R4958/SCR	421291	G2752	4409839	PI 06-0013
323110	R4132/BMCR	3901607	R4959/BMCR	422 0142	R6223/BMCR	4412816	R3592/SCR
323571	R3980/BMCR	391608	R6364/R	422 0143	R6222/BMCR	4415246	R6283/R
323644	R3980/BMCR	3920867	R4958/SCR	422 6412	R6223/BMCR	4415247	R6282/SCR
323644	R3981/R	3920868	R4959/BMCR	422 6413	R6222/BMCR	4415921	R4973/S
324675	R4130/R	3921444	R4957/BMCR	422016-6	R3607/SCR	4415922	R4974/R
3267437-6	R3649/R	3924492	R4956/SCR	422017-4	R3608/R	4420160191	R6479/R
3270530430	G2149	393263	G11361	4220500027	R4352/BMCR	4420160391	R6480/R

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4420439	R6784/SNT	46462159	R4781/RCR	468303-3	R3740/RCR	4861818	G11079
4420500326	R4351/BMCR	46465330	PI 06-0004	4684088	R3471/XBNT	4895051	R6501/BMCR
4420500427	R4568/BMCR	46466370	CM05-2163	4684089	R3472/BMCR	4895052	R6500/SCR
4420500526	R4351/BMCR	46471599	RA06-902	4684422	G2854	4895187	R4958/SCR
4424173	R3637/RRCR	46471639	R4877/RRCR	4694449	G2372	4895188	R4959/BMCR
4424174	R3638/RRCR	46475925	PI 06-0019	4694450	G2373	4N2803	G2783
4431241	R6575/BM	4647763	G2340	4695850	R4838/SCR	4N3668	G2101
4431242	R6574/S	4647838	G2353	4697720	R3519/SNT	4N5633	R4097/RCR
4431242	R6784/SNT	4647842	G2356	4704215	R3520/BMCR	4N5654	R4096/RCR
4431246	PI 06-0019	46478834	R4941/BMCR	4708925	R6611/SNT	4S7Q 6C501 AA	PI 06-0019
4431247	RA06-940	4648237	G2346	4708933	R6612/RNT	5-11721-001	G3562
4431247	RA06-940	4648421	G2298	4709231	G11508	5-11721-016-0	G3563
4440061	R4174/RRCR	46514754	R4169/RRCR	471195-8	R4333/RRCR	500-4845-071	G11101
4460697	R3323/SCR	465157-6	G3506	471196	R3946/RRCR	500-4845-29	G2679
4469661	R3762/RRCR	46517325	R6153/SCR	4720146	R3598/RRCR	500-4845-30	G2687
4471271	G2279	46518800	G11069	4720148	R3599/RRCR	5000044429	R4064/RRCR
45.2151.13	MI5041/N	46518930	R6304/SCR	4726483	G2269	5000044579	R4064/RRCR
45.2152.14	MI5042/S	46518931	R6305/BMCR	4726865	PI 06-0010	5000044581	R4065/RRCR
4500849	R4649/SCR	46523711	CM05-2114	4733258	G2270	5000046569	R4582/BMCR
4500864	R4650/BMCR	46527855	R4740/BMCR	4733348	R4504/BMNT	5000046570	R4583/BMCR
4506079	PI 06-0038	46527856	R4741/BMCR	4733349	R3597/BMNT	50000824990	R6199/BMARC
4506079	RA06-930	46530226	CM05-2164	4733350	PI 03-101	50000824991	R6200/BMCR
4506083	R6237/S	46530228	CM05-2163	4741915	R3596/BMNT	5000139451	R3790/BMCR
4506084	R6238/BM	46530230	CM05-2163	4749395	G2713	5000139452	R4041/BMCR
4525822	G2325	46530232	CM05-2164	4749397	G2834	5000143582	R3789/S
4534031	G2328	46530233	CM05-2164	4753580	PI 03-107	5000143583	R4133/S
4535358	R1378/SNT	46530234	CM05-2164	4754990	R3645/BMNT	5000146781	R4134/BMCR
4535359	R1379/SNT	46531590	R4252/SCR	4757358	R3642/BMNT	5000146783	R4132/BMCR
4535494	R1488/SNT	46533298	R4729/RRCR	4758794	G2365	5000658409	R4235/BMCR
4535495	R1489/RRCR	46552982	CM05-2116	4758795	G2366	5000659284	R3787/BMCR
4550817	R1484/NNNT	46552982(T9)	CM05-2101	4758796	G2367	5000659406	R4131/BMCR
4550818	R1485/RNT	46552984	CM05-2117	4758798	G2368	5000659407	R3788/BMCR
4578946	R3134/NNNT	46553046	R4686/SCR	4770301	PI 06-0010	5000659584	R3787/BMCR
4578947	R3135/RNT	46553047	R4169/RRCR	4771077	PI 06-0010	5000659626	R3982/RRCR
4578948	G2291	46553048	R4876/SCR	4772380	R4884/BMCR	5000659732	R3981/RRCR
4578949	G2293	46553049	R4877/RRCR	4772414	R4885/BMARC	5000659734	R3981/RRCR
4580688	R3251/SNT	465549-4	R4565/RRCR	477443	R6303/BMCR	5000659735	R4141/RRCR
4601299	G2295	4658055	R4541/BMNT	477447	R6302/SCR	5000659737	R3982/RRCR
4601300	G2852	4659379	R3298/NNNT	4776446	R3519/SNT	5000659739	R3787/BMCR
4621298	PI 06-0010	466379-5	R3945/SCR	4784888	R4232/SNT	5000659741	R3788/BMCR
4621511	R3479/NNNT	466381	R3946/RRCR	4784889	R4233/RNT	5000663467	R3979/BMCR
4630627	G2337	466386	G11372	4784890	R4233/RNT	5000663469	R3794/BMCR
4630923	G2343	4667411	G11501	479204	R4032/SCR	5000663470	R4043/BMCR
4632840	R1478/BMNT	4672515	G2371	479261	R4032/SCR	5000663527	R3794/BMCR
463395-4	R4313/SCR	4673608	R3440/RNT	4797186	R4260/BMNT	5000663528	R4043/BMCR
463526-4	R4314/RRCR	4673861	R4263/BMCR	4797715	R4260/BMNT	5000663530	R4235/BMCR
464 - 04	G2591	4673862	R4262/BMNT	480005014	R4039/R	5000667762	R4710/BMCR
464 - 05	G2587	467502-1	R4032/SCR	480005015	R4040/R	5000667939	R6293/BMCR
464 - 07	G2593	467503	R4332/RRCR	4802126	G3396	5000670121	R3794/BMCR
464 - 08	G2589	46750859	R4941/BMCR	4802200	R3479/NNNT	5000670206	R3794/BMCR
464-53	G11358	46761369	R6153/SCR	4802204	R4540/NNNT	5000676035	R6292/BMCR
464-56	G11357	46761370	R6154/RRCR	4802219	R6787/SCR	5000676254	R4374/BMCR
46403681	R4876/SCR	46764765	RA06-903	4802220	R6788/RRCR	5000676255	R4373/BMCR
46406169	R4174/RRCR	46765629	PI 06-0033	4803805	R4232/SNT	5000676258	R4711/BMCR
46407749	R3745/SCR	467682	R4332/RRCR	4803849	R6458/RRCR	5000678129	R4131/BMCR
46411495	PI 06-0006	46772393	CM05-2108	4805321	R6548/SCR	5000681141	R3979/BMCR
46413078	PI 06-0004	46783962	R4943/BMCR	4806717	R4233/RNT	5000684383	G11359
46413334	R4779/RRCR	467855-3	R4332/RRCR	4808415	R4259/BMNT	5000684384	G11360
46413806	R4780/SCR	467857	R4033/RRCR	4813201	R4259/BMNT	500144	G2579
46413807	R4781/RRCR	46787055	PI 06-0004	4813760	R4684/BMNT	500145	G2580
46416321	R4943/BMCR	46787902	R6204/BMCR	4817388	R6549/RRCR	5001836573	R4887/BMCR
46426033	PI 06-0015	46802049	R6203/SCR	4821709	R3438/SNT	500354682	R6266/BMCR
46427282	PI 06-0015	46811575	G11007	4821710	R3438/SNT	500354685	R6266/BMCR
46433782	G11018	46811582	G3532	4824416	R4232/SNT	500354687	R6267/BMCR
46433783	G11019	46815383	PI 06-0002	4824417	R4232/SNT	500355776	R6268/BMCR
46436048	R4686/SCR	46816601	G11310	4826033	R3990/RRCR	500355778	R6270/SCR
46444230	CM05-2106	46816602	G11311	4828299	R4722/BMCR	500355779	R6269/BMCR
46444253	CM05-2101	46821634	PI 06-0002	4846130	R4721/BMCR	500355780	R6271/BMCR
46448011	PI 06-0033	46823507	CM05-2109	4849522	R4262/BMNT	500362856	R6340/BMCR
46451209	R6154/RRCR	46823508	CM05-2110	4860107	R4893/BMCR	500388426	G11388
46455736	CM05-2115	468302-5	R3739/SCR	4861811	G11080	500390993	G11340
46461209	R4781/RRCR	4683025	R3473/XBNT	4861813	G11082	500391436	G11409
46462158	R4780/SCR	4683026	R3474/BMCR	4861816	G11077	500391440	G11407

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500391476	G11339	5175396AA	R6473/SCR	55219143	R6502/SCR	556449	R3935/R
500391479	G11338	5175397AA	R6474/R	55219144	R6503/BMCR	556452	R3934/S
500394994	G11341	5209652025	MI5080/S	55219793	R6304/SCR	557232	R3936/R
50054982	R4243/SCR	5209652040	MI5090/S	55223835	R6636/SCR	6 8001 577AA	PI 06-0045
50060609	R3988/R	5209685039	MI5081/R	55223835	R6636/SCR	6 8001 578AA	PI 06-0042
5009652018	MI5025/S	5209685051	MI5091/R	55223836	R6640/BMCR	6 8001 579AA	PI 06-0043
5009685028	MI5026/R	5214160	G3533	55225886	R6758/SARCR	6 8001 580AA	PI 06-0044
5010248411	G11242	5233315	PI 06-0009	55225887	R6757/BMARNT	620704603014	R4341/SCR
5010295349	R3979/BMCR	527240	R3053/S	55229666	R6789/SCR	622604600054	R4305/SCR
5010359098	G3325	536053	CM05-2134	55231897	R6790/BMCR	622604603024	R4310/RCR
5010450589	R6292/BMCR	5410160791	R6481/R	5555172	R3000/N	622804603014	R4725/SCR
5010450590	R6293/BMCR	5410500226	R6190/BMCR	5555705	R3001/R	623404600064	R4768/BMCR
50109309	PI 06-0001	5410500227	R6191/BMCR	55557388	PI 06-0021	623404600054	R4769/BMCR
504042363	R6267/BMCR	5410531230	G11300	5555752	R1499/N	630503320034	G3527
504042365	R6266/BMCR	5411684	R3420/R	55557741	R6504/SCR	630804600014	R4300/SCR
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51.2152.10	MI5044/S	5468599U	R3621/S	55572518	R6635/BMARNT	6010500380	PI 06-0036
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51032010102	G11511	5471746	R3517/SCR	5609652153	MI5191/SCR	6010500525	PI 06-0036
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51041010516	R6761/SCR	55200250	PI 03-110	5959564	R3745/SCR	60521576	R1443/R
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5159685074	MI5073/SNT	55210015	G11482	5997328	R4172/RCR	60560643	R4610/BM
517472	R4561/RCR	55210016	G11481	5997546	G2243	60560644	R4611/BMARCR

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605760 - 568687	G2584	61460050007	R4678/BMCR	640520	PI 06-0010	642005	G3230
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60579202	G3110	6150530101	R3433/SCR	640577	RA06-920	642014	G11479
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61316814	R4772/BMCR	640056	PI 06-0010	641401	R6367/BMCR	665 050 0025	PI 06-0019

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66505-01025	PI 06-0019	71747245	R6213/RNT	7700509771	R3393/N	7701467250	R4714/BMCR
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6680500180	PI 06-0019	723F6507GAA	R3943/S	7700565824	R3602/S	7701468149	R4575/RCR
6680500227	R6135/RCR	7301255	CM05-2105	7700629763	R3590/S	7701468169	R4712/S
6680530229	G11048	7301820	R3989/RNT	7700638247	R3649/R	7701468170	R4713/BMCR
6680530230	G11051	7301821	R3990/RCR	7700639199	R3591/R	7701468190	R4719/BM
6680530301	R6134/SCR	7302157	R3991/RCR	7700648970	R1497/N	7701468861	R6290/S
6742922	R4788/SCR	7303309	R4685/BMNT	7700713788	R4221/S	7701468862	R6291/BM
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6842422	R4963/BMARCR	7402396	G11325	7700747324	R4601/BMARCR	7701469269	R4934/R
69010554	R4037/S	74109309	PI 06-0001	7700858606	PI 06-0023	7701469369	R4979/BM
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6911483	R4634/BMCR	7431275353	PI 06-0007	7700860677	PI 03-104	7701471279	R6138/S
6945586	PI 06-0003	7438610007	R4937/SCR	7700865550	R6290/S	7701471280	R6192/BM
6957756	PI 03-112	7438610008	R4938/RCR	7700865551	R6291/BM	7701471378	R6129/S
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6N9915	R4343/R	749685011	MI5056/R	7700869325	CM05-2149	7701471702	R4973/S
6N9916	R4344/R	7500085	R4911/RARCR	7701030863	R4762/BMCR	7701471703	R4974/R
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7031135	R4174/RCR	7547158	R4627/RCR	7701458152	R3602/S	7701472669	R6237/S
7062358	CM05-2158	7547400	R4174/RCR	7701458180	R3589/S	7701472670	R6238/BM
7083255	PI 06-0009	7549632	PI 06-0046	7701458190	R3394/R	7701472986	R6177/S
709652010	MI5053/S	7552612	CM05-2113	7701458195	R1498/R	7701473004	R6178/BM
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70HM6505BF	R4000/RCR	7560154	G3486	7701459378	G3005	7701473184	R6185/S
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711M6507HA	R3572/NCR	7666227	R4169/RCR	7701462486	G3251	7735899	R4739/BMCR
711M6507KA	R3494/NCR	7666228	R4168/SCR	7701462677	R4504/BMNT	7756897	G3531
711M6507LA	R3613/NCR	7683521	R4595/SCR	7701462678	R3642/BMNT	7757052	G11007
711M6507MA	R3994/NCR	7683522	R4596/RCR	7701462679	R3597/BMNT	7759619	PI 06-0004
71300017	R4285/RCR	7687459	R6034/RCR	7701462813	R4164/S	7765039	G3554
71300018	R4286/RCR	7687469	R6035/RARCR	7701462814	R4165/R	7766564	R4728/SCR
713384R2	R3711/S	7700100282	PI 03-104	7701463081	R4221/S	7766565	R4729/BMCR
713385R2	R3712/S	7700100939	PI 03-104	7701463082	R4222/RCR	7770334	R4686/SCR
7134379	G2061	7700106678	CM05-2150	7701463181	R3649/R	7778140	PI 06-0006
715F6505AAC	R3546/RCR	7700107555	PI 06-0013	7701463603	R3989/RNT	7779402	G3532
715F6510ABA	G2376	7700107556	RA06-917	7701465088	R4574/S	7780108	G3586
715F6510ACA	G2714	7700107699	G11161	7701465090	R4575/RCR	7783225	R4741/BMCR
7166435	G3140	7700109151	G11238	7701465107	R4698/BM	7783841	R3746/RCR
71739277	R6385/SCR	7700110387	R4973/S	7701465172	R4600/S	7796198	PI 06-0004
71739320	R6386/BMCR	7700110389	R4974/R	7701465173	R4757/BMARCR	7798620	R4740/BMCR
71739350	G11379	7700110675	CM05-2183	7701465495	R6078/S	77BM6505AC	R3524/RCR
71739686	R6386/BMCR	7700110676	CM05-2184	7701465496	R6079/S	77BM6505BC	R3575/RCR
71739771	G11479	7700113894	CM05-2183	7701465497	R6080/RCR	7805973	RA06-934
71739797	R6367/BMCR	7700113895	CM05-2184	7701466606	R4723/S	7805974	PI 06-0019
71741112	R6383/SCR	7700114862	G11344	7701466607	R4724/RCR	785F6505AAA	R3657/RCR
71741113	R6384/RCR	7700272940	CM05-2182	7701466716	R4717/S	785F6507AAA	R3656/RCR
71742050	R6212/SNT	7700273371	R4574/S	7701466717	R4718/R	78EM6505AA	R3443/RCR
71744388	R6505/BMCR	7700505115	R3394/R	7701467249	R4715/BMCR	78EM6507AA	R3442/N

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790210	G2793	84FM6507AC	R4224/SCR	90106098	R3692/SCR	91518972	R4365/RARCR
7910028074	R3391/R	84HM6505FA	R4468/BMCR	90106099	R3693/SCR	91535017	R4292/XB
7910029730	R3390/N	84HM6505GA	R4469/BMCR	90106792	R4236/SCR	91535017	R4362/S
79460006610	RA06-929	85HM6505AA	R4276/RCR	90106797	R4239/RCR	91535019	R4363/RARCR
7958073	R4348/RARCR	85HM6507FA	R4275/SCR	90128143	RA06-911	91537489	R4360/S
79HM6507EA	R4466/SCR	8631650	R6447/SNT	90156986	CM05-2134	91537491	R4361/RARCR
79HM6507FA	R4467/SCR	8631651	R6448/BMARNT	90167124	CM05-2134	91540748	R4456/SCR
7E4609	R6040/BMAR	863702	R4688/BMCR	90169309	R3698/SCR	91540782	R4457/RCR
7E7830	R4346/RCR	8653745	R6163/SCR	90215492	R6090/SCR	91541478	PI 06-0007
7M7358E	R3178/S	8659744	R6164/BMCR	90220119	R4592/SCR	9154147980	PI 06-0007
7M7359E	R3179/R	8670047	PI 06-0019	90234847	RA06-911	9158474	R4879/RCR
7M7817	R3941/R	8694780	R6342/RNT	90271222	RA06-911	9158477	R4878/SCR
7N0572	R4343/R	8694781	R6341/SNT	90273368	CM05-2140	9158569	G13598
7N0573	R4344/R	86K943	R3498/N	90273386	CM05-2140	9165580	R6286/SCR
7N2051	G3158	86K944	R3499/RCR	90281486	CM05-2134	9165598	R4911/RARCR
7N4580	R4097/RCR	86SM6505AD	R4274/RCR	90284704	CM05-2140	9169566	PI 06-0021
7S6767	R3938/BMAR	86SM6507AA	R4273/SCR	90295215	PI 06-0009	9180681	PI 06-0001
7S8809	R3937/S	8823544	R3330/SNT	90323514	RA06-911	9180681	PI 06-0016
7W2699	R4951/BMAR	8823545	R3329/NNT	90323519	R4464/SCR	9185612	G11274
7W8064	R4953/BM	8823549	R3331/BMNT	90323524	R4465/RCR	9185851	R6288/SCR
8-90570967-0	PI 06-0010	8824754	R3438/SNT	90323756	R4593/RCR	9186073	PI 06-0021
8-94133-275-1	R6236/RNT	8825776	R3439/SNT	90323757	R4593/RCR	9186565	R4776/BMCR
8-94206762-0	G2804	8829304	R4129/RCR	90353157	PI 06-0010	9186568	PI 06-0001
8-94206763-0	G2805	8830045	R3439/SNT	90392539	CM05-2135	9207830	PI 06-0007
8-94547-875-1	R6235/SNT	88WM6505DA	R4443/BMCR	90398840	RA06-911	928M6505D2A	R4634/BMCR
8-97010-727-0	PI 06-0020	88WM6505EA	R4443/BMCR	90398840	RA06-920	928M6507C1A	R4788/SCR
80005101	G3073	88WM6507BA	R4442/SCR	90403194	RA06-911	928M6507C2A	R4788/SCR
80BM6507AC	R3523/NCR	8941083070	R4603/RCR	90409194	RA06-911	928M6507D1A	R4633/SCR
80BM6507BC	R3574/NCR	8941100173	R4547/RCR	90409194	RA06-920	928M6507E2A	R4996/SCR
80BM6507DC	R3525/NCR	8941150592	R4548/RARCR	90409632	RA06-911	928M6507F2A	R4998/SCR
80BM6507EC	R3576/NCR	89417422	R6245/SNT	90410813	R4650/BMCR	9292324	R3902/RCR
8148069	R6381/BMCR	894174221	R6245/SNT	90412277	R4649/SCR	9292660	R3899/S
8148574	R6301/BMCR	894174223	R6246/RNT	90421795	PI 06-0009	9301337280	PI 06-0017
8173-23-090	G3216	8942007430	R3808/RCR	90444760	CM05-2135	9301337280	PI 06-0023
8192143	R4565/RCR	8942059770	R3807/S	90499097	R3699/RCR	93160083	PI 06-0013
8194223	R4032/SCR	8942165890	R4602/SCR	90502079	G3511	93160645	R6138/S
8194224	R4332/RCR	8942171780	R3809/S	90502282	RA06-911	93160646	R6192/BM
81C39 - 10-3-39	G2434	8942171790	R3810/RCR	90502316	R4884/BMCR	93161681	R6575/BM
81C83 - 10-3-83	G2435	8943268430	R4546/SCR	90502326	R4885/BMARCR	93161682	R6574/S
81FM6251KB	CM05-2153	894447025	R6245/SNT	90502514	PI 06-0010	93161682	R6784/SNT
81SM6505AE	R4272/RCR	894447026	R6246/RNT	90509386	PI 06-0001	93161686	PI 06-0019
81SM6505AF	R3923/RCR	894F6505A1B	R4632/RCR	90512282	RA06-911	93161687	RA06-940
81SM6505AG	R3616/RCR	894F6507A1B	R4631/RCR	90512899	CM05-2173	93168105	R6784/SNT
81SM6505BF	R3926/RCR	8971371540	R6201/SNT	90512904	CM05-2174	93171485	PI 06-0019
81SM6505BG	R3929/RCR	8971371551	R6202/RNT	90529527	R4878/SCR	93171486	RA06-942
81SM6505CF	R3927/RCR	8973096751	R6782/SCR	90529529	R4879/RCR	93177302	CM05-2110
81SM6505CG	R3930/RCR	8973096751	R6782/SCR	90529534	PI 06-0008	93177303	CM05-2109
81SM6507KE	R4271/SCR	8973096771	R6783/RCR	90529535	RA06-910	93177315	RA06-900
81SM6507KF	R3615/SCR	8973096771	R6783/RCR	90530506	PI 06-0010	93177316	PI 06-0019
81SM6507NF	R3924/SCR	8980169730	R6782/SCR	90542632	PI 06-0008	93178535	G11018
81SM6507RF	R3925/SCR	8980169730	R6782/SCR	90570967	PI 06-0010	93178546	PI 03-102
81SM6510LC	G2882	8980169741	R6783/RCR	9060500226	R6534/BMCR	93178588	R6204/BMCR
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8200009982	PI 06-0038	89BM6505CA	R4703/RCR	9060500327	R6263/BMCR	93186090	R6304/SCR
8200019181	CM05-2165	89BM6507AA	R4702/SCR	9060530129	G11335	93188668	RA06-901
8200019183	CM05-2166	89BM6507BA	R4704/SCR	9060530529	G11455	93189425	G11018
8200043152	CM05-2168	89FF6250AA	CM05-2152	909652016	MI5051/S	93191376	RA06-933
8200089894	CM05-2151	89FF6500AA	PI 03-112	909685022	MI5052/R	9319374	R6611/SNT
8200100527	CM05-2183	89FF6505AA	R4376/BMARCR	910061	R1248/S	93193762	R6612/RNT
8200100528	CM05-2184	89FF6505BA	R4855/BMCR	910064	R1247/N	93330831	RA06-913
8200115605	RA06-917	89FF6505FA	R4376/BMARCR	91013530	R4128/RCR	93390134	PI 06-0010
8200343412	R6178/BM	89FF6507AA	R4375/BMARCR	91160200	RA06-917	9350100480	PI 06-0007
8200562080	G11356	89FF6507BA	R4854/BMCR	9117903	PI 06-0010	93501279	R3987/S
8200718120	CM05-2148	89FF6507FA/FB	R4375/BMARCR	9117904	PI 06-0010	93501280	R3988/RCR
822.9652.41	MI5134/S	8H1993	R3506/S	9120519	CM05-2136	93510415	R4243/SCR
822968053	MI5135/R	8H1994	R3507/R	9128346	RA06-910	93510773	R3988/RCR
82399099	G2239	8H7097	R3942/R	9128603	PI 06-0008	93510774	R3988/RCR
83EM6505AB	R4019/BMCR	8N0875	R3936/R	9129211	RA06-910	938M6500 A1D	PI 06-0003
83EM6507AA	R3658/S	8N3723	R3942/R	9135931	PI 06-0001	938M6500 A1E	PI 06-0003
83EM6507BB	R4018/S	8N3725	R4346/RCR	91508631	R4311/RCR	938M6500 A2E	PI 06-0003
84FM6500B1B	PI 03-112	90-4845-28	G2927	91512096	R3985/SCR	938M6500 A2F	PI 06-0003
84FM6505AC	R4225/RCR	9006082	G11379	91513446	R3986/RCR	938M6500 B2A	PI 06-0003
84FM6505BC	R4411/RCR	90106086	R3695/RCR	91518971	R4364/S	938M6500A1C	PI 06-0003

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
938M6500A2D	PI 06-0003	960/56	MI5160/S	9634437580	R6164/BMCR	98480846	R4838/SCR
9399957	G11209	960/57	MI5164/RNT	96350913	G11417	98497025	R6325/BMCR
9399965	R6289/RARNT	960/58	MI5156/S	96351051	RA06-911	98497026	R6326/BMCR
93FF6500AA	PI 03-112	960/59	MI5157/RNT	96352783	R4895/RNT	98497235	R6264/SCR
93FF6505AA	R4376/BMARC	9600068080	RA06-912	96352793	R4895/RNT	98497241	R4892/BMCR
94 643 963 80	PI 06-0019	96005391	R4883/RRC	9635317980	R6161/SCR	987064	G2169
94108307	R4603/RRC	9600781780	R4623/SCR	9635318480	R6162/BMCR	9889652068	MI5138/S
94216589	R4602/SCR	96008334	R4623/SCR	9635323080	PI 06-0024	9889685076	MI5139/RNT
9454607	R6298/SCR	9601136380	R4883/RRC	9635323080	PI 06-0037	98MM6505A2A	R4993/RRC
9454608	R6605/SNT	96012815	R4412/S	9635447280	PI 06-0007	98MM6505B2A	R4995/RRC
9454610	R6299/BMARC	96012816	R4413/RRC	9636001780	R6114/RRC	98MM6507C28	R6140/SCR
9456001351	G3169	9602710580	PI 03-105	9636848280	RA06-914	99432644	PI 03-109
94580080	G11184	96031042	CM05-2141	9636956980	PI 06-0002	99432652	R4232/SNT
94580146	R4894/SNT	9603104288	CM05-2141	9636956980	PI 06-0024	99432717	R4233/RNT
94810531101	R6706/SARCR	9604295780	R4624/BMARC	96376362	PI 06-0010	99432718	R4233/RNT
94810531200	R6707/BMARC	96059361	R4458/S	96376400	PI 06-0010	99432837	R4887/BMCR
94810531253	R6708/BMARC	9605936180	R4608/S	96376881	R6462/SCR	99433902	R6265/BMCR
94810532102	R6736/SCR	96079213	R4624/BMARC	96376980	R6463/RRC	99438924	R4893/BMCR
94810532202	R6738/BMARC	96095457	R4944/SCR	9637805488	CM05-2167	99444132	R4722/BMCR
94810532252	R6737/BMARC	96096146	R4945/RRC	9638075480	PI 06-0039	99444133	R6274/BMCR
948M6505A2A	R4789/RRC	96098751	R6091/RRC	9640253580	RA06-934	99449378	PI 03-108
948M6505C2A	R4997/RRC	96103034	G11268	9640296380	RA06-913	99452179	R4839/BMCR
948M6505D2A	R4999/BMCR	96103129	R4986/SCR	9640340380	G11319	99456803	R6266/BMCR
950504	G2676	96103130	R4987/RRC	9640840080	R6398/BMCR	99457210	R6267/BMCR
950505	R3650/S	9611782880	R4609/RRC	96440079	R6463/RRC	99457452	R4721/BMCR
950506	R3651/S	96137360	R4810/RRC	96440081	R6462/SCR	99485232	R6274/BMCR
950530	G2677	9613736280	R3988/RRC	96440147	R6548/SCR	9L7682	R4303/R
955 105 417 20	RA06-946	96147032	R4459/RRC	9644216280	CM05-2176	9L7683	R4304/R
95551307	R3627/S	9614703280	R4609/RRC	9645024780	R6397/SCR	9M4163	R3179/R
95551313	R3983/S	96150144	R4822/RRC	9645976580	CM05-2175	9M5Q6507AA	R6724/SCR
95551314	R3984/RRC	96150145	R4821/S	96463002	R6807/SNT	9N0180	R4868/S
95562253	R3419/S	96172597	R6329/SCR	96463003	R6808/RNT	9N0185	R4869/R
95562254	R3420/R	96172795	R6330/RRC	9650981280	PI 06-0019	9N5125	R4675/BMAR
9556305	R3628/R	96182805	R6097/RRC	9650981380	PI 06-0019	9N6117	R3937/S
95563504	R3627/S	96182806	R6096/SCR	9651263580	RA06-915	9S51-6500-BA	PI 06-0019
95569116	R4054/SCR	96182933	R6095/RRC	9652206480	PI 06-0024	9Y8848	G11267
95569117	R4055/BMCR	96182934	R6094/SCR	9660035980	R6508/SCR	A96352886	CM05-2155
95600183	R4460/S	96183535	R4881/S	9660640080	R6509/RRC	AE6544	R4072/R
95611049	R4461/SCR	96183733	PI 06-0010	9676359180	R6806/RNT	AEU2296L	R3598/RRC
95638449	R4412/S	96184997	PI 06-0010	9678359080	R6805/S	AHU1049	R3661/RRC
95638450	R4413/RRC	96212525	PI 06-0024	9683321080	R6164/BMCR	AM124-7E	R3365/S
95638476	R4358/R	9621252580	PI 06-0024	96951454	R6548/SCR	AM124-8D	R3366/R
95638477	R4359/RARCR	96230591	R6165/SCR	96951455	R6549/RRC	AMK 1568	G2051
95VW6500BA	PI 06-0001	96230595	R6166/RRC	96MM6500A1C	PI 03-111	AMK 19	G2052
96 230 651 80	PI 06-0016	9623446280	RA06-913	96MM6500A2C	PI 03-111	AV6Q6505AA	R6714/RRC
96 323 724 80	PI 06-0019	9623950380	R6113/S	97131961	R6345/SNT	AV6Q6507AA	R6713/SCR
96 368 484 80	PI 06-0019	9624222380	PI 06-0007	97131962	R6346/RNT	AYA124-8C	R3368/XB
96 378 583 80	PI 06-0019	9624222480	PI 06-0007	97385841	R6645/SNT	AYA124-7E	R3367/S
96 462 107 80	PI 06-0019	9624774280	R6092/SCR	97385842	R6646/RNT	B1SM6251KE	CM05-2153
960/022	MI5106/NCR	9624774580	R6093/BMCR	9742922	R4788/SCR	B3C7-12-121A	R6255/RARNT
960/023	MI5107/R	9624835288	CM05-2142	97531044	R4231/RRC	B3D2-12-121A	R6255/RARNT
960/026	MI5099/XB	96254645	R4976/RRC	97531046	R4229/RRC	B6Z0-10-280	G11211
960/027	MI5098/S	96254648	R4975/SCR	97531079	R4228/S	B6Z0-10-290	G11213
960/045	MI5124/NCR	9627037188	CM05-2102	97531080	R4230/S	BDU1399	R4926/SNT
960/046	MI5125/R	9627040588	CM05-2103	97533264	R4231/RRC	BDU1400	R4927/RNT
960/102	MI5101/R	9627184380	R6163/SCR	97533266	R4230/S	BK2Q6505BB	R6146/BMCR
960/103	MI5100/S	96272853	R3988/RRC	978966	G2319	BP05-12111	R6027/SNT
960/118	MI5149/S	9628830180	PI 06-0007	97BM6251BB	CM05-2158	BP05-12121A	R6028/RNT
960/119	MI5150/R	9628943380	R6112/S	97MM6507A2B	R4992/SCR	C201-12111	R6464/SNT
960/125	MI5145/S	9629861180	R6111/RRC	97MM6507B2B	R4994/SCR	C201-12121	R6465/RNT
960/126	MI5146/R	96304239	R4945/RRC	98113743	R6645/SNT	C26195	G2393
960/127	MI5148/R	9630597380	R4243/SCR	98113744	R6646/RNT	C26198	G2392
960/13	MI5119/NCR	9631491280	PI 06-0007	98418161	R4715/BMCR	C401-12-121	R6196/RRC
960/15	MI5107/R	96323003	RA06-935	98427674	CM05-2147	C4011-2121	R6196/RRC
960/16	MI5116/NCR	963237240	PI 06-0019	98435241EZ	G11100	C40112111A	R6413/SCR
960/17	MI5121/NCR	9632511880	PI 06-0007	98435622	R4232/SNT	C5NE6505A	R3512/R
960/18	MI5120/R	9632511980	PI 06-0007	98468338	R4762/BMCR	C5NE6505B	R3672/R
960/19	MI5118/NCR	96335947	R6399/SNT	98471524	PI 03-106	C5NE6505C	R3673/R
960/49	MI5162/S	96335948	R6400/RNT	98474603	R6325/BMCR	C5NE6507A	R3511/S
960/50	MI5163/RNT	96336671	G11268	98474604	R6326/BMCR	C5NE6507B	R3670/S
960/53	MI5158/S	96338200	G11443	98474643EZ	G11074	C5NE6507C	R3671/S
960/54	MI5159/RNT	9634435080	PI 06-0024	98478407	R6325/BMCR	C601-12-111	R6195/SCR
960/55	MI5161/RNT	9634435080	PI 06-0037	98479276	R4839/BMCR	C601-12111	R6195/SCR

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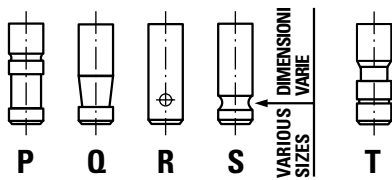
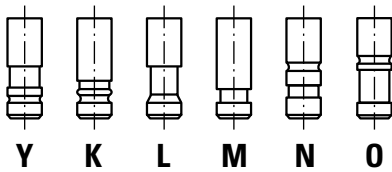
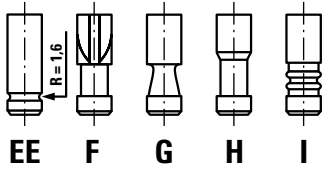
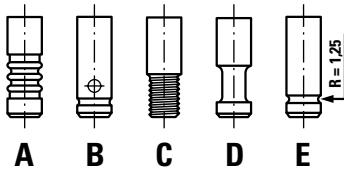
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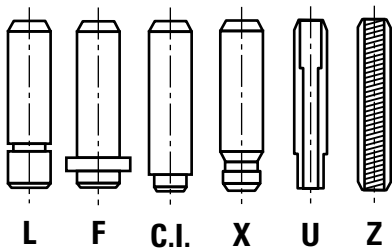
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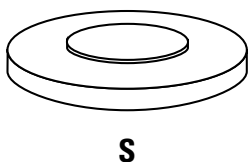
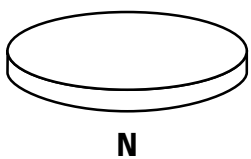
Shapes of valves



Shapes of guides



Shapes of valve shims



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