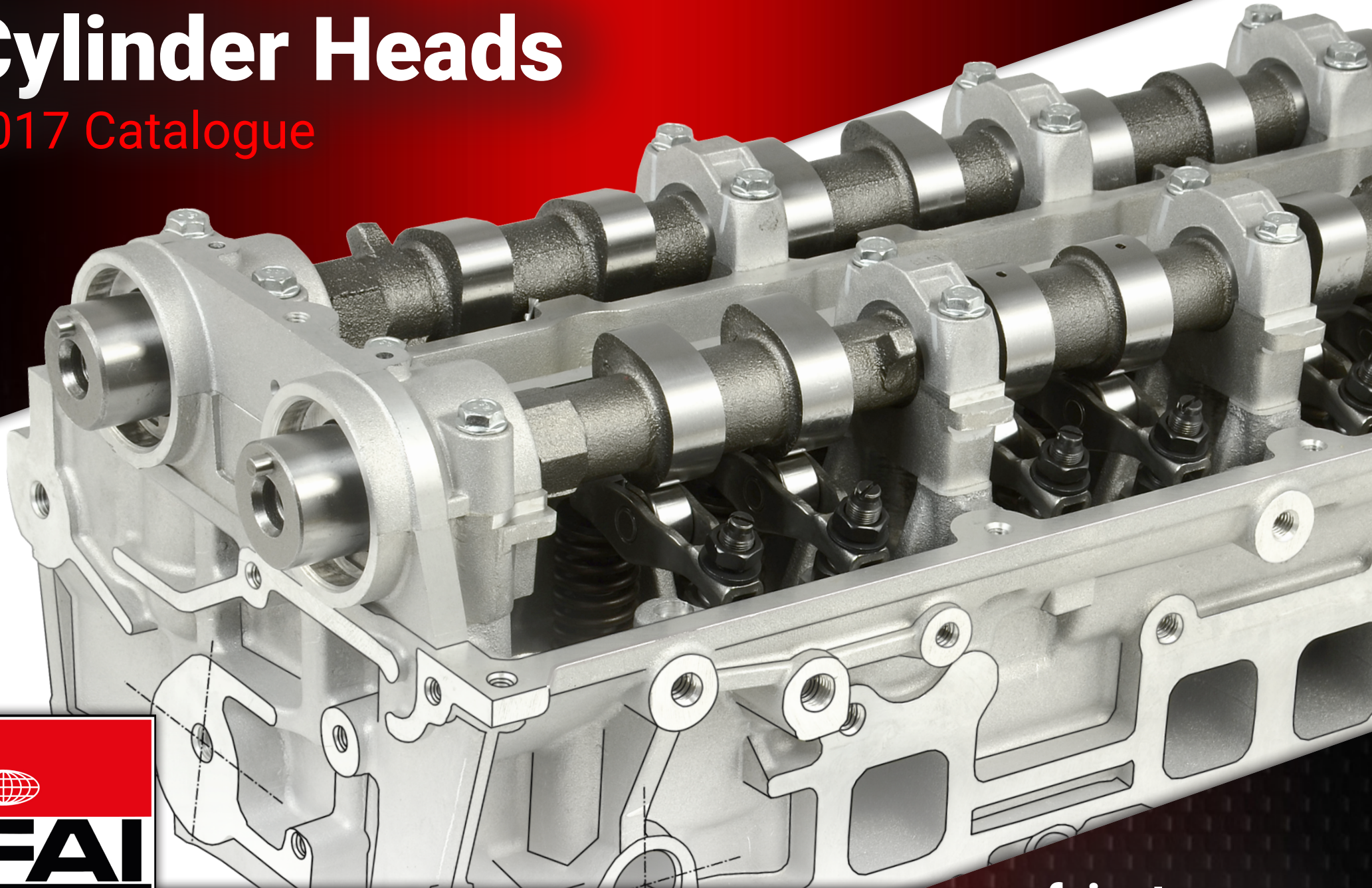


Cylinder Heads

2017 Catalogue



faiauto.com

Get in touch

UK **t** +44 (0)1525 351800
f +44 (0)1525 351804
e enquiry@faiauto.com

Export **t** +44 (0)1525 351836
f +44 (0)1525 382518
e export@faiauto.com

Address

FAI Automotive Plc, The Chiltern Trading Estate, Grovebury Road, Leighton Buzzard, Bedfordshire, LU7 4TU, UK

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PLEASE NOTE THAT ANY PART NUMBERS QUOTED, OTHER THAN FAI, ARE FOR REFERENCE PURPOSES ONLY.

Every care has been taken in the preparation of this catalogue but it is obviously not possible to guarantee that this information is currently correct and therefore we are unable to accept liability arising therefrom. We reserve the right to change specifications and prices without prior notice.

REPRODUCTION IN WHOLE OR IN PART IS EXPRESSLY PROHIBITED



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STATEMENT OF QUALITY POLICY

FAI Automotive plc sources, procures, stores, packs and distributes replacement automotive parts under an all-makes programme with the FAI and Camtec brands, covering European, Japanese and Korean passenger cars and light commercial vehicles.

The Directors are committed to maintaining a registered Quality Management System that meets the requirements of ISO 9001:2015.

We place particular emphasis on obtaining customer satisfaction by:

- Treating customers with respect and in a professional manner.
- Responding promptly and accurately to customers' enquiries and orders.
- Maintaining and improving on the quality of the products and services that the Company supplies to its customers.
- Constantly striving to meet and where possible exceed customers' expectations.

We operate by setting objectives and targets for the Quality Management System. Management periodically reviews achievements against these objectives and targets and continually seeks to improve the effectiveness of the system and enhance customer satisfaction.

Our Quality Management System is defined in the Quality Manual, Quality Operating Procedures, and supporting documents.

This Quality Policy is communicated to and understood by personnel within the Company. It is periodically reviewed for continuing suitability to satisfy the needs of the Company, customers, other interested parties, and ISO 9001.

Signed:

Sean Walker
Managing Director

Issue 2



C E R T I F I C A T E

Management system as per
BS EN ISO 9001:2015

In accordance with TÜV UK Ltd procedures, it is hereby certified that

FAI Automotive plc
The Chiltern Trading Estate
Grovebury Road
Leighton Buzzard
Bedfordshire, LU7 4TU
United Kingdom

applies a management system in line with the above standard for the following scope:

FAI Automotive plc sources, procures, stores, packs and distributes replacement automotive parts under an all-makes programme with the FAI and Camtec brands, covering European, Japanese and Korean passenger cars and light commercial vehicles.

Certificate No.: GB00454
Audit Report No.: 2017/23406

P.G.W.



Valid until: 21/06/2020
Initial certification: 22/06/2005

Signed for and on behalf of TÜV UK Ltd, the Certification Body

London, 24/04/2017

This certificate, which remains the property of TÜV UK Ltd, was issued in accordance with the TÜV UK Ltd auditing and certification procedures as amended from time to time and its validity is subject to regular surveillance audits.

TÜV UK Ltd, AMP House, Suites 27-29, Fifth Floor Dingwall Road Croydon CR0 2LX, UK www.tuv-uk.com



FAI Engine Components

Associated Parts

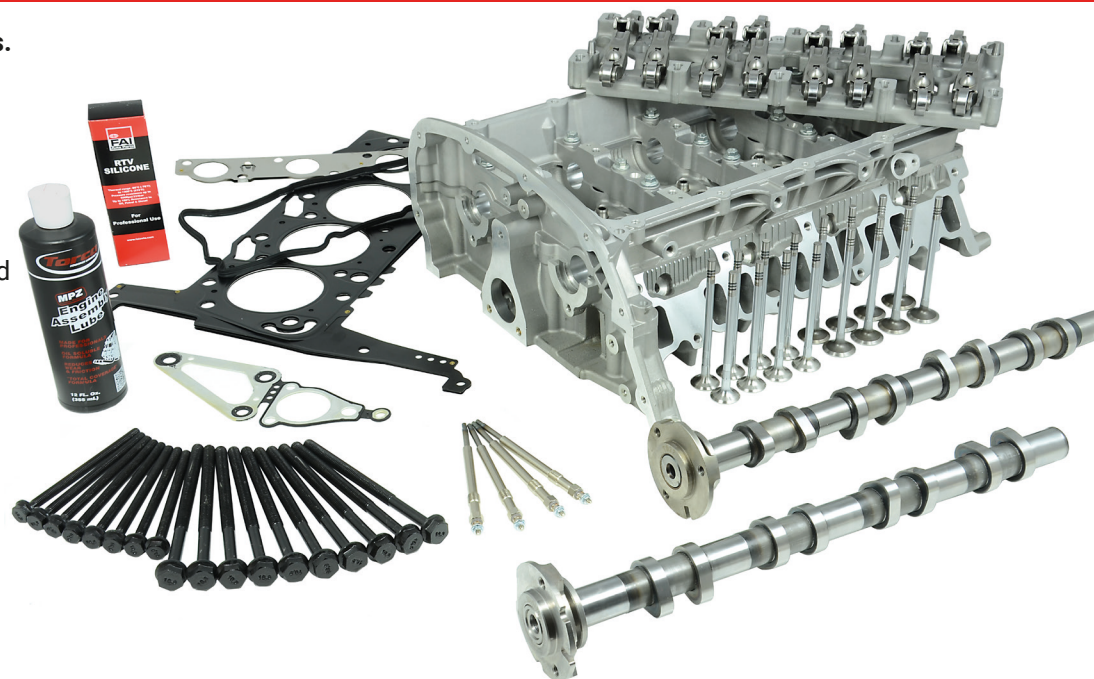
FAI offer a comprehensive range of associated parts to Cylinder Heads.

We understand how important it is to have the right parts for the job therefore FAI have endeavoured to produce a broad range of engine components made in our industry leading factories to OE specification.

FAI has long been recognised for it's all makes Gasket and Valve Train programmes. In recent years we have built an industry leading product portfolio covering Passenger Car and Light Commercial Vehicles around the world.

In addition to the parts shown we also offer;

- Water and Oil Pumps
- Timing Belt Kits
- Pistons, Rings and Liners
- Engine Shell Bearings
- Oil Control Valves & VVT Hubs
- Torsional Vibration Dampers
- Oil Sump Pans
-Many More!



For up to date information on all our products, please visit faiauto.com

Important Fitment Information

Please consider the following before fitment;

- When installing a Complete Cylinder Head, the valve clearance must be manually adjusted in-line with the manufacturer specification.
- It is highly recommended to replace Gaskets and Head Bolts when installing or replacing a new Cylinder Head.
- It is essential that the correct grade of Oil and Coolant is used, to ensure optimum performance and longevity to the engine
- Ensure all mating surfaces are clean and free from foreign contaminants.
- When replacing or re-fitting the cylinder head, please see our Help Centre for up to date Tightening Sequence documentation.

If you are in doubt of any points raised or need additional help, please contact our team of FAI engine specialists for assistance. All contact methods can be viewed on the inside front or inside back covers of this catalogue.



Technical Bulletin

Cylinder Head Installation Instructions

CCH001, BCH001
Tightening Sequence

Fitment Procedure

Step	Description
1	Remove the cylinder head cover.
2	Remove the cylinder head gasket.
3	Remove the cylinder head bolts.
4	Remove the cylinder head.

Product Awareness

OP333
Oil Pump for Various VAG 1.4 TFSI / TSI

We now offer the oil pump that fits a selection of important Audi, Seat and Skoda 1.4 TSI and TFSI vehicles. This pump features a 29 tooth hardened sprocket.

Make	Model	Year	Engine Code
Audi	A3 (8K1) 1.4 TFSI	09/05	CANX CMAA
	A3 (8P1) 1.4 TFSI	09/07-09/12	CANX CMAA
	A3 Convertible (8P1) 1.4 TFSI	02/11-05/13	CANX
Audi	A3 Sportback (8P1) 1.4 TFSI	09/07-03/13	CANX CMAA
	A3 (8P1) 1.4 TFSI	07/08	CANX
Seat	Leon (1P1) 1.4 TFSI	07/08-12/12	CANX

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& BFS665
NOT interchangeable

We advise that some customers have been using BFS665 in place of BFS1015 in some engines. While both hydraulic and dimensionally similar, it is the internal differences that make the two parts incompatible.

made of steel and has an inner spring internally. It is made of steel but with a chrome treatment for extra surface hardness, giving it a longer life. It has less return springs internally for a smoother opening and closing.

If to supply the correct part number for the correct application as there is a difference. Please refer to the application that needs BFS1015 may affect the valve opening and closing, but more importantly it will void any warranty.

OP333
Oil Pump for Various VAG 1.4 TFSI / TSI

We now offer the oil pump that fits a selection of important Audi, Seat and Skoda 1.4 TSI and TFSI vehicles. This pump features a 29 tooth hardened sprocket.

VAG OE: 03C 115 105 AD
VAG OE: 03C 115 105 AG

FAI
+44 (0) 1525 351800

How to Use this Catalogue

1 2 3 4 5 6 7 8

Application Guide

Alfa Romeo	1.3 Multijet	1248	10/09-	D	199 B1.000, 330 A1.000	BCH067	Late Generation Version
Mito							
Audi							
A1 (8X1 8XK)	1.6 TDI	1598	05/10-	D	CAYB, CAYC	BCH032	
A1 (8XA 8XF)	1.6 TDI	1598	11/11-	D	CAYB, CAYC	BCH032	
A3 (8L1)	1.9 TDI	1896	09/96-07/01	D	AGR, AHF, ALH, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	10/00-05/03	D	ATD, AXR, ASZ	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.6	1595	05/03-08/12	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	05/09-08/12	D	CAYB, CAYC	BCH032	
A3 (8P1)	1.9 TDI	1896	05/03-05/10	D	BKD, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	05/03-08/12	D	AZV, BKD, BUY, BMN	BCH025	
	2.0 TDI	1968	05/03-08/12	D	CFFA, CFFB, CFGB, CLJA	BCH029	
	2.0 TDI	1968	06/05-06/08	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.6	1595	09/08-05/10	P	BSE	BCH057	
A3 (8P7)	1.6 TDI	1598	05/09-05/13	D	CAYC	BCH032	
	1.9 TDI	1896	04/08-10/09	D	BLS	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	04/08-05/13	D	CFFA, CFFB	BCH029	
	1.6	1595	09/04-03/13	P	BGU, BSF, BSE	BCH057	
A3 (8PA)	1.6 TDI	1598	05/09-03/13	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	09/04-05/10	D	BKD, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	06/05-06/08	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	09/04-03/13	D	AZV, BKD, BUY, BMN	BCH025	
	2.0 TDI	1968	09/04-03/13	D	CFFA, CFFB, CFGB, CLJA	BCH029	
A4 (B5)	1.6	1595	07/00-09/01	P	ALZ	BCH057	
	1.9 TDI	1896	03/00-09/01	D	AJM, ATJ	BCH028	Vehicles with Hydraulic Followers/Lifters



- 1) το μέγεθος του κινητήρα
- 2) ΜΟΝΤΕΛΟ
- 3) το μέγεθος του κινητήρα
- 4) ΕΤΟΣ ΚΑΤΑΣΚΕΥΗΣ
- 5) τύπο καυσίμου
- 6) κωδικός κινητήρα
- 7) Κωδικός ανταλλακτικού
- 8) ΠΛΗΡΟΦΟΡΙΕΣ ΟΧΗΜΑΤΟΣ



- 1) Costruttore
- 2) Modello
- 3) Cilindrata
- 4) Intervallo di date del veicolo
- 5) tipo di carburante
- 6) motore codice
- 7) codice articolo
- 8) veicoli note



- 1) zrobić
- 2) model
- 3) pojemność silnika
- 4) zakres dat silnika
- 5) rodzaj paliwa
- 6) dane silnika
- 7) Numer części
- 8) notatki pojazdu



- 1) fazer
- 2) modelo
- 3) tamanho do motor
- 4) intervalo de datas de veículo
- 5) tipo de combustível
- 6) código do motor
- 7) número da peça
- 8) nota veículo



- 1) Марка автомобиля
- 2) Модель
- 3) Объем двигателя
- 4) Годы выпуска автомобиля
- 5) Тип топлива
- 6) Код двигателя
- 7) номер артикула
- 8) Примечания по автомобилю



- 1) napraviti
- 2) model
- 3) motor veličina
- 4) razdoblje proizvodnje vozila
- 5) Tip (vrsta) goriva
- 6) motora kod
- 7) proizvođački broj
- 8) napomene o vozilu



- 1) Fabricante
- 2) Modelo
- 3) tamaño de la maquina
- 4) Periodo de venta del vehículo
- 5) Combustible
- 6) Código de motor
- 7) Número de pieza
- 8) Información adicional



- 1) Manufacturer
- 2) Model
- 3) Engine Size
- 4) Date range of vehicle
- 5) Fuel Type
- 6) Engine Code
- 7) Part Number
- 8) Vehicle Notes



- 1) faire
- 2) Modèle
- 3) La taille du moteur
- 4) Date de gamme de véhicule
- 5) Type de carburant
- 6) Codes moteur
- 7) Numéro d'article
- 8) notes véhicules



- 1) Machen
- 2) Modell
- 3) Motor
- 4) Zulassungs Jahr
- 5) Brennstoff
- 6) Motor Typ
- 7) Teilenummer
- 8) Anmerkung



Visit the FAI Online Catalogue

For a comprehensive overview of all parts stocked by FAI, please log on to our online catalogue at faiauto.com

To search by manufacturer/model firstly please select from the 'popular manufacturers' list. Then by model as shown below.

If you know the part number or have a competitor reference, please enter it here.

To see all parts associated with a specific engine code please enter it in the box indicated. Once an engine code is selected the parts will display as below

OR

Quick parts search.

OS460, IM425, SS6434 ...

☒ FAI Part ☐ Competitor Part

Vehicle Selection History (0 items) £0.00 Your Basket

Welcome to the FAI Auto

Parts Online Catalogue

Step 1: Choose a manufacturer

Popular Manufacturers

ALFA ROMEO	HYUNDAI
AUDI	JAGUAR
BMW	LAND ROVER
CITROËN	MAZDA
FIAT	MERCEDES-BENZ
FORD	MINI
HONDA	MITSUBISHI

Search for parts by engine code (all manufacturers)

ENGINE CODE E.G. RFN, MHA, 1Z

Quick parts search.

OS460, IM425, SS6434 ...

☒ FAI Part ☐ Competitor Part

Vehicle Selection History (0 items) £0.00 Your Basket

Welcome to the FAI Auto

Parts Online Catalogue

Step 1: Choose a manufacturer (ALFA ROMEO)

Step 2: Choose a model / engine code

Select a model

F A B C D E F G H I J K L M N O P Q R S T U V W X Y Z		
145 (930_) 07/1994 - 01/2001	146 (930_) 12/1994 - 01/2001	147 (937_) 11/2000 - 03/2010
155 (167_) 01/1992 - 12/1997	156 (932_) 09/1997 - 09/2005	156 Sportwagon (932_) 01/2000 - 05/2006
159 (939_) 01/2000 - 05/2006	159 Sportwagon (939_) 01/2000 - 05/2006	164 (164_) 01/2000 - 05/2006

Quick parts search.

OS460, IM425, SS6434 ...

☒ FAI Part ☐ Competitor Part

Vehicle Selection History (0 items) £0.00 Your Basket

Applications for Engine Code YD25DDTI

For more information e.g. engine code, please click

Part Number	Vehicle	Application Description
BCH037	NISSAN PATHFINDER III (R51) 2.5 dCi 4WD	Cylinder Head
BCH037	NISSAN MURANO III (Z52_) 2.5 dCi ALL MODE 4x4	Cylinder Head
BCH005	NISSAN PICK UP (D22) 2.5 DI	Cylinder Head
BCH037	NISSAN MURANO II (Z51) 2.5 dCi 4x4	Cylinder Head
BCH037	NISSAN CABSTAR (F23 H41 H42) 2.5 dCi	Cylinder Head
BCH005	NISSAN PATHFINDER III (R51) 2.5 dCi	Cylinder Head
BCH037	NISSAN NP300 NAVARA (D40) 2.5 dCi 4WD	Cylinder Head
BCH037	NISSAN NAVARA (D22_) 2.5 D 4x4	Cylinder Head
BCH005	NISSAN NP300 PICKUP (D22) 2.5 dCi 4x4	Cylinder Head
BCH006	NISSAN NP300 NAVARA (D40) 2.5 dCi 4WD	Cylinder Head



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BMW	68	Jeep	74	Renault	86-88
Chevrolet	69	Kia	74-75	Rover	88
Chrysler	69	Lancia	75	Seat	88-90
Citroen	69	Landrover	75	Skoda	90-91
Dacia	70	Lotus	76	Subaru	91
Dodge	70	Mazda	76	Suzuki	91-92
Fiat	70-71	Mercedes	76-80	Toyota	92-94
Ford	71-72	Mitsubishi	81-82	Volvo	94
Hyundai	72-74	Nissan	82-83	VW	94-97

Engine Guide

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CCH001 Complete Cylinder Head

Product Information

For Vehicle Makes:
Mitsubishi, Hyundai, Kia

For Engines:
D4BA, D4BH, 4D56T, 4D56

Parts Included:
Camshaft, Valves, Valve Springs, Valve Guides, Rocker Arms, Coolant Pipe Connector, Manifold Bolts

Technical Specifications

Inlet Valve Head Diameter:	40MM
Exhaust Valve Head Diameter:	34MM
Total Valve Length:	130MM
No. Valves Required:	8
No. Camshafts Required:	1

Important Notes:
With Crescent Shaped Prechamber(fig.1), With Recessed Valves, for Bare Cylinder Head see BCH001, Alternative Version BCH044

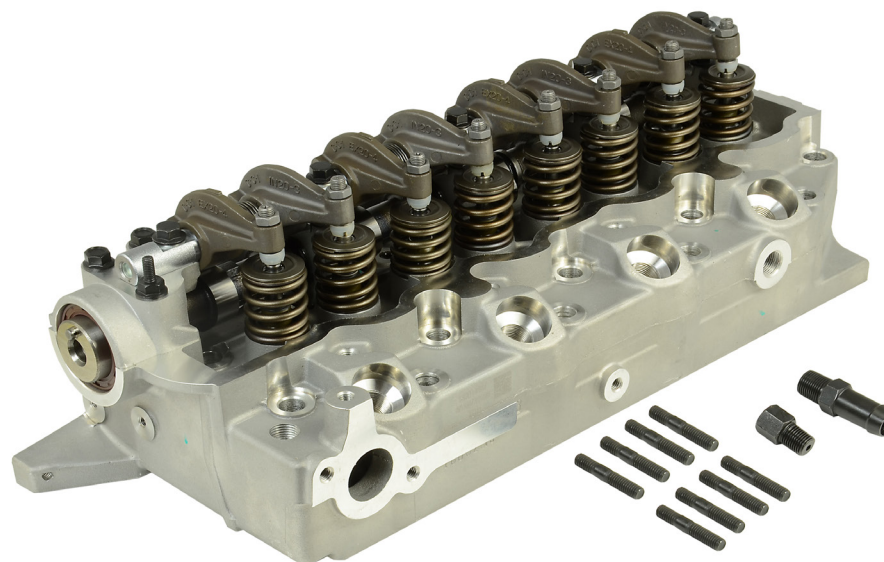
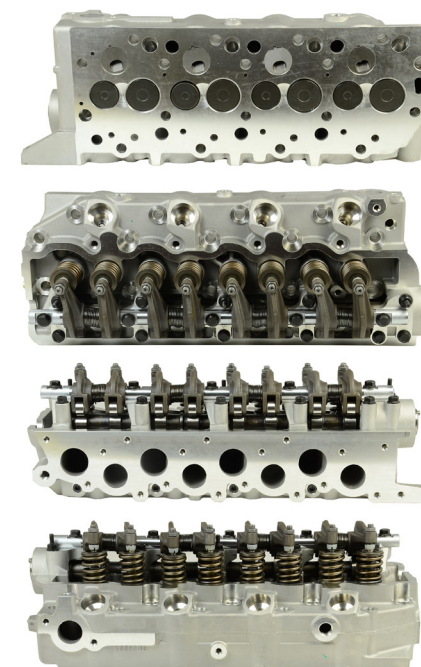


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	See Webcatalogue	R, W	Inlet Valve	IV8404	*
Head Set	HS1823NH, HS654	R, W	Exhaust Valve	EV8406	*
Head Bolts	B1046	R	Valve Stem Seal	VSK328	*
Rocker Cover Gasket	RC375S	R	Camshaft	C217	*
Intake Manifold Gasket	EM375, EM1823	R, W	Rocker Arm/Follower	R966S, R967S	*, W
Exhaust Manifold Gasket	EM375, EM1823	R, W	Oil Seals	OS242	R

Cross References

Manufacturer	Reference
AMC	908613
Hyundai, Kia	22100-42000
Hyundai, Kia	22100-42200
Hyundai, Kia	22100-42400



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

CCH004 Complete Cylinder Head

Product Information

For Vehicle Makes:

Mitsubishi

For Engines:

4M40-T

Parts Included:

Valve Guides, Valve Springs, Valves, Camshaft, Followers, Manifold Bolts

Technical Specifications

Inlet Valve Head Diameter: 41MM

Exhaust Valve Head Diameter: 35MM

Total Valve Length: 108.5MM, 108.7MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Rectangular Pre-Chamber (fig.1), for Bare Cylinder Head see BCH004

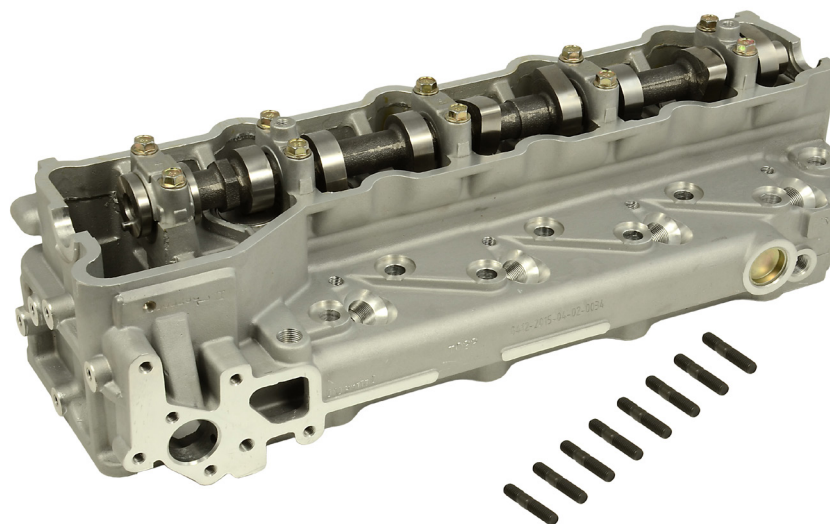
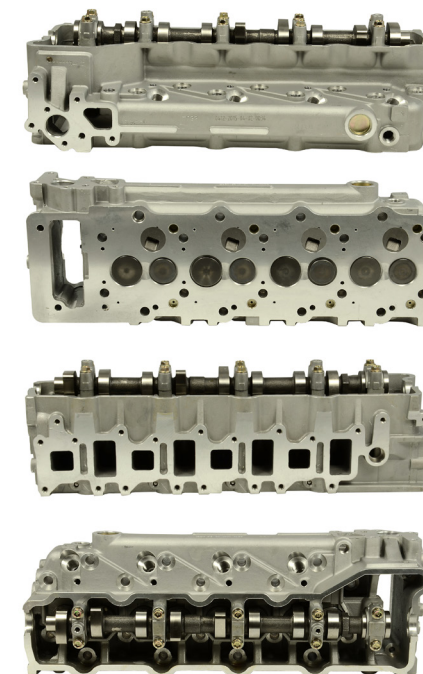
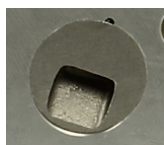


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG985	R	Inlet Valve	IV94668	*
Head Set	HS985	R	Exhaust Valve	EV94669	*
Head Bolts	B1202	R	Valve Guides	BFG012	*
Rocker Cover Gasket	RC985S	R	Valve Stem Seal	VSK328	*
Intake Manifold Gasket	IM985	R	Camshaft	C285	*
Exhaust Manifold Gasket	EM985, EM985AK	R, W	Rocker Arm/Follower	BFS180S	*

Cross References

Manufacturer Reference

AMC	908614
Mitsubishi	ME193804
Mitsubishi	ME202620

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

CCH009 Complete Cylinder Head

Product Information

For Vehicle Makes:

Ford/Mazda

For Engines:

WLAA, WEAT, WLAT

Parts Included:

Valve Stem Seals, Water Connector Pipe, Manifold Bolts, Valves, Camshafts, Valve Springs, Rocker Arms

Technical Specifications

Inlet Valve Head Diameter: 31MM

Exhaust Valve Head Diameter: 28MM

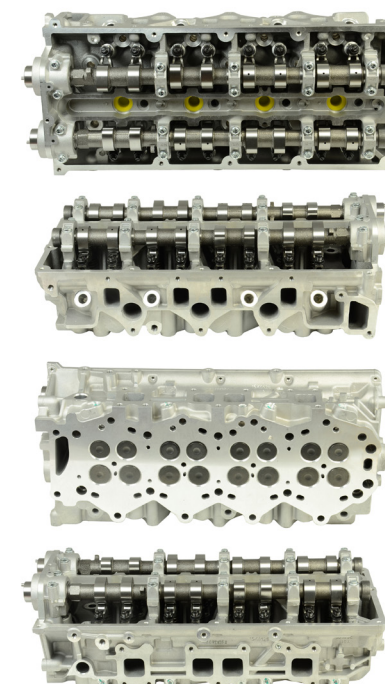
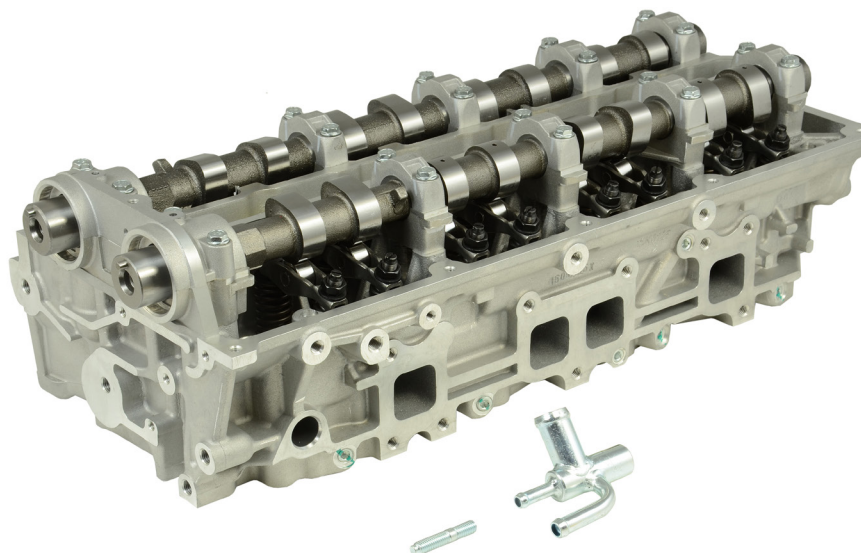
Total Valve Length: 112MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Bare Cylinder Head see BCH009



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG2102, HG2134A(T)	R, W	Inlet Valve	IV95167	*
Head Set	HS2134NH	R	Exhaust Valve	EV95168	*
Head Bolts	B2102	R	Valve Stem Seal	VSK2102	*
Rocker Cover Gasket	RC2102S	R	Camshaft	C342, C343	*, W
Intake Manifold Gasket	IM2102	R	Rocker Arm/Follower	R167S	*
Exhaust Manifold Gasket	EM2102	R	Oil Seals	OS1804, OS2105	*, W

Cross References

Manufacturer	Reference
AMC	908849
Ford	4986980
Mazda	WE0110100J
Mazda	WE0110100K



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

CCH014 Complete Cylinder Head

Product Information

For Vehicle Makes:

Ford/Mazda

For Engines:

WL, WL-T, WLE7

Parts Included:

Valve Guides, Valve Springs, Valves, Camshaft, Coolant Pipe Connector

Technical Specifications

Inlet Valve Head Diameter: 32.7MM

Exhaust Valve Head Diameter: 35.6MM

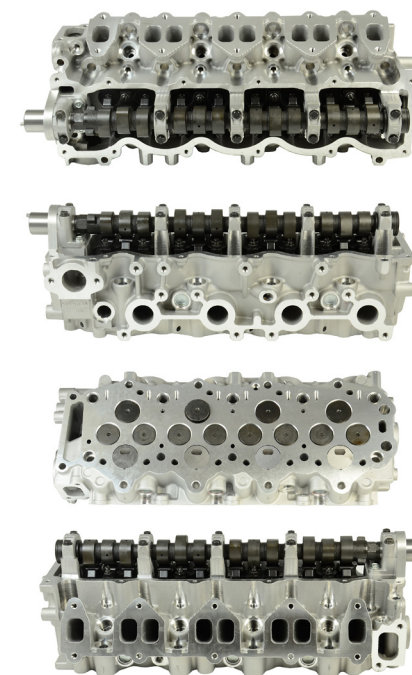
Total Valve Length: 111.8MM, 111.9MM

No. Valves Required: 12

No. Camshafts Required: 1

Important Notes:

For Bare Cylinder Head see BCH014



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1804	R	Inlet Valve	IV95104	*
Head Set	HS1804	R	Exhaust Valve	EV95105	*
Head Bolts	B1804	R	Valve Stem Seal	VSK1804	*
Rocker Cover Gasket	RC1804S	R	Camshaft	C321	*
Intake Manifold Gasket	IM1804	R	Rocker Arm/Follower	R166S, R208S, BFS319S	*, W
Exhaust Manifold Gasket	EM1804	R	Oil Seals	OS1804	*

Cross References

Manufacturer Reference

AMC	908844
AMC	908845
AMC	908847
Ford	40443225

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH001 Bare Cylinder Head

Product Information

For Vehicle Makes:
Mitsubishi, Hyundai, Kia

For Engines:
D4BA, D4BH, 4D56T, 4D56

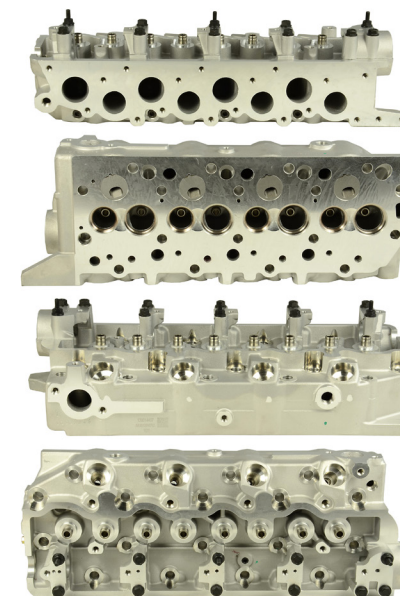
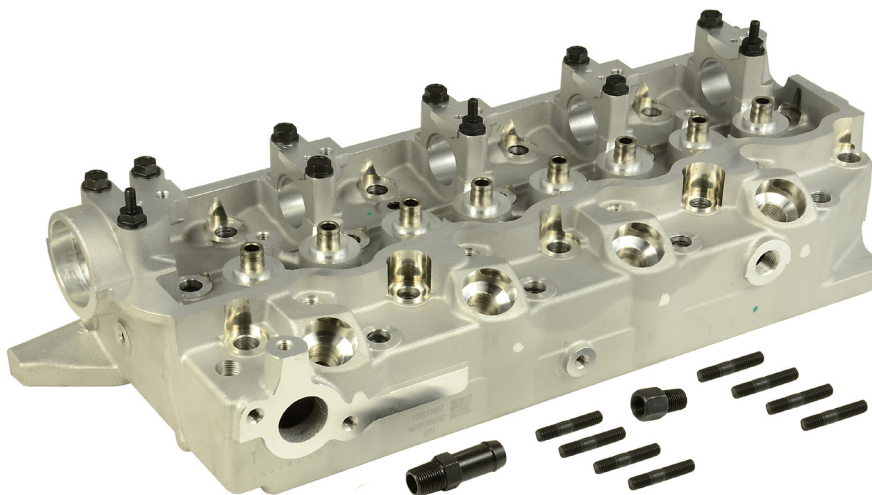
Parts Included:
Valve Guides, Coolant Pipe Connector, Manifold Bolts

Technical Specifications

Inlet Valve Head Diameter:	40MM
Exhaust Valve Head Diameter:	34MM
Total Valve Length:	130MM
No. Valves Required:	8
No. Camshafts Required:	1

Important Notes:
With Crescent Shaped Prechamber (fig.1), For Recessed Valves, for Complete Cylinder Head see CCH001
Alternative Version BCH044

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	See Webcatalogue	R, W	Inlet Valve	IV8404	R
Head Set	HS1823NH, HS654	R, W	Exhaust Valve	EV8406	R
Head Bolts	B1046	R	Valve Stem Seal	VSK328	R
Rocker Cover Gasket	RC375S	R	Camshaft	C217	R
Intake Manifold Gasket	EM375, EM1823	R, W	Rocker Arm/Follower	R966S, R967S	R, W
Exhaust Manifold Gasket	EM375, EM1823	R, W	Oil Seals	OS242	R

Cross References

Manufacturer	Reference
AMC	908513
Hyundai, Kia	22100-42000
Hyundai, Kia	22100-42200
Hyundai, Kia	22100-42400



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH004 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mitsubishi

For Engines:

4M40-T

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 41MM

Exhaust Valve Head Diameter: 35MM

Total Valve Length: 108.5MM, 108.7MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Rectangular Pre-Chamber (fig.1), for Complete Cylinder Head see CCH004

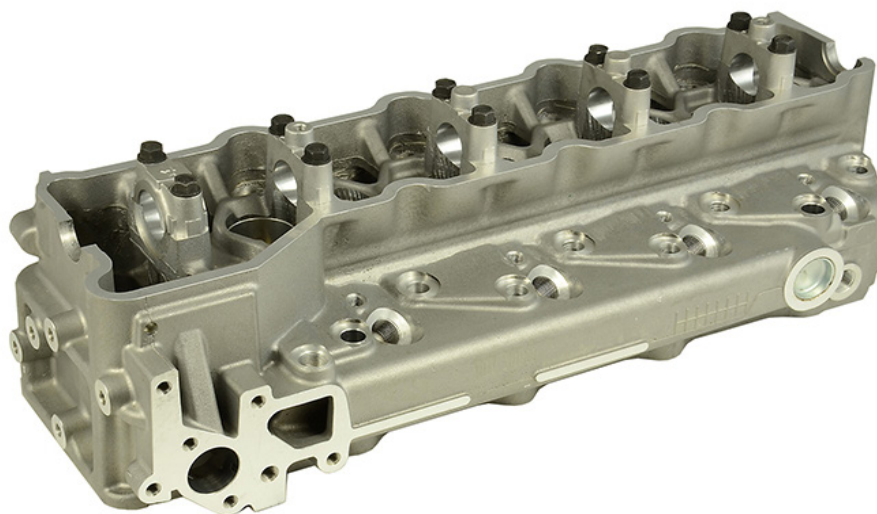
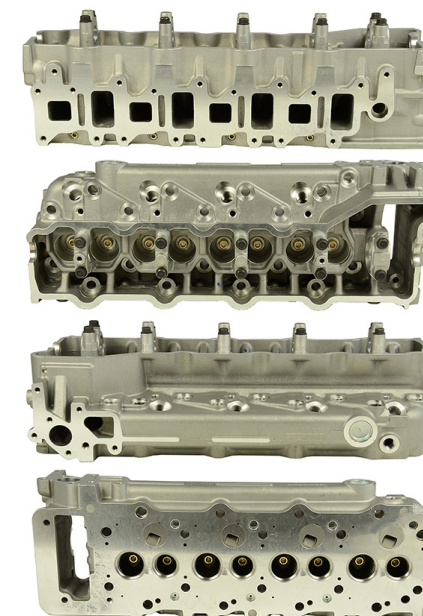


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG985	R	Inlet Valve	IV94668	R
Head Set	HS985	R	Exhaust Valve	EV94669	R
Head Bolts	B1202	R	Valve Guides	BFG012	*
Rocker Cover Gasket	RC985S	R	Valve Stem Seal	VSK328	R
Intake Manifold Gasket	IM985	R	Camshaft	C285	R
Exhaust Manifold Gasket	EM985, EM985AK	R, W	Rocker Arm/Follower	BFS180S	R

Cross References

Manufacturer **Reference**

AMC 908514

Mitsubishi ME193804

Mitsubishi ME202620

W See website catalogue

R Not included, but required

***** Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH005 Bare Cylinder Head

Product Information

For Vehicle Makes:

Nissan

For Engines:

YD22DDT, YD25DDTI, YD22ETI

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 28MM

Exhaust Valve Head Diameter: 26MM

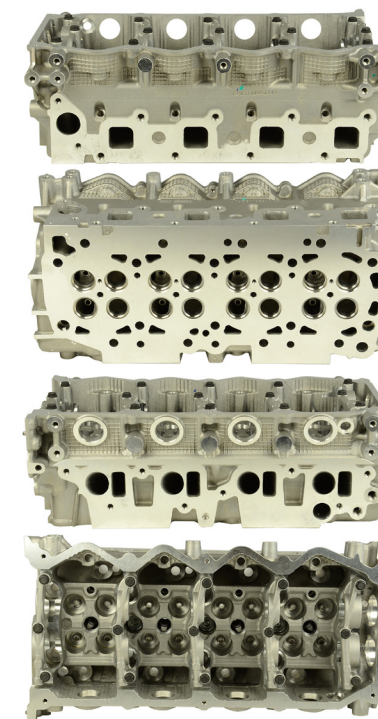
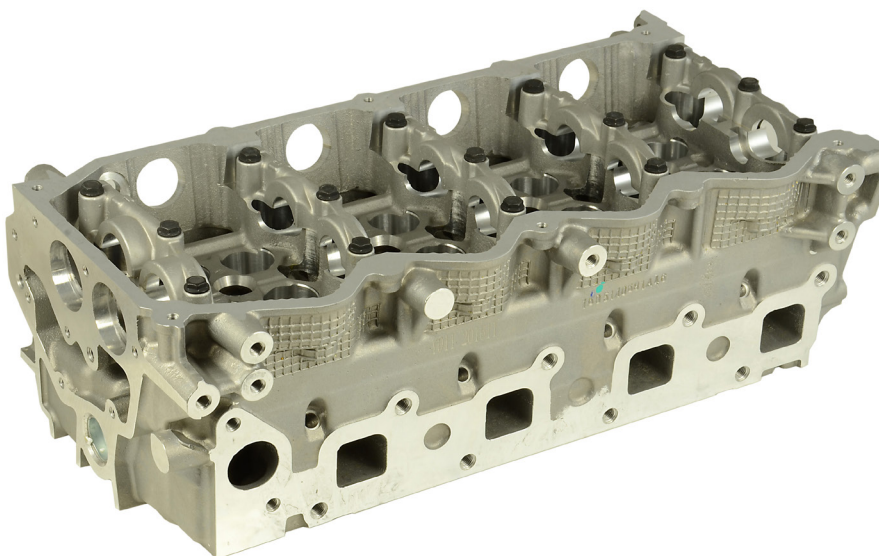
Total Valve Length: 106.35MM, 106.75MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Non CRD Engines, See Manifold Design



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1827E(T), HG1297E(T)	W, R	Inlet Valve	IV94710	R
Head Set	See Website Catalogue	W, R	Exhaust Valve	EV94711	R
Head Bolts	B1297, B2239, B2105	W, R	Valve Stem Seal	VSK1297	R
Rocker Cover Gasket	See Website Catalogue	W, R	Valve Guides	BFG015, BFG016	*
Intake Manifold Gasket	IM1297, IM2239	W, R	Camshaft	C294, C295	R
Exhaust Manifold Gasket	See Website Catalogue	W, R	Rocker Arm/Follower	BFS181S	R

Cross References

Manufacturer	Reference
AMC	908505
Nissan	110405M300
Nissan	110405M301
Nissan	110405M302



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH006 Bare Cylinder Head

Product Information

For Vehicle Makes:

Nissan

For Engines:

YD25DDTi, YD22ETi

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 28MM

Exhaust Valve Head Diameter: 26MM

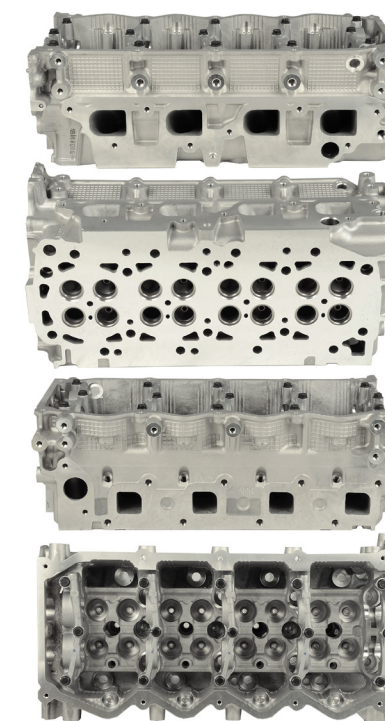
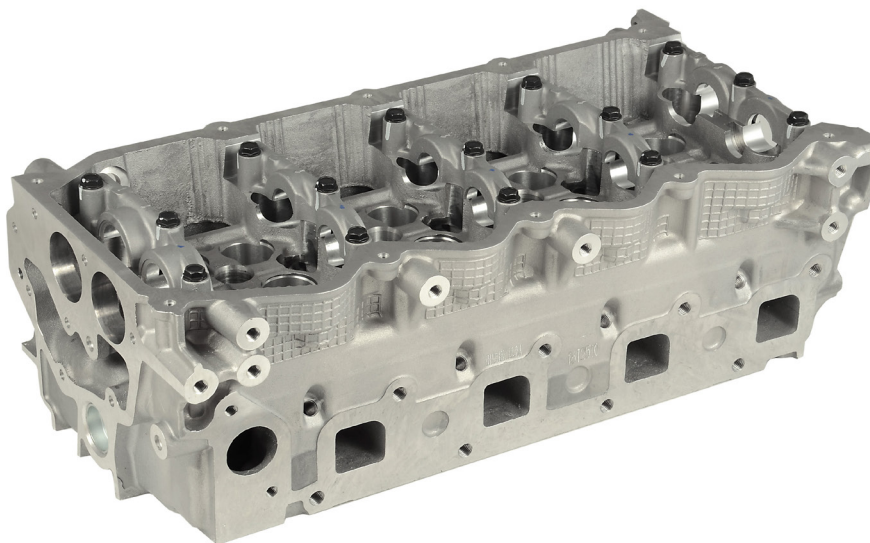
Total Valve Length: 106.35MM, 106.75MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For CRD Engines, See Manifold Design



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1511, HG1827E(T)	W, R	Inlet Valve	See Website Catalogue	W, R
Head Set	HS1297NH, HS2105NH	W, R	Exhaust Valve	See Website Catalogue	W, R
Head Bolts	B1297, B2239, B2105	W, R	Valve Stem Seal	VSK1297	R
Rocker Cover Gasket	See Website Catalogue	W, R	Valve Guides	BFG015, BFG016	*
Intake Manifold Gasket	IM1297, IM2239	W, R	Camshaft	C290, C291	R
Exhaust Manifold Gasket	See Website Catalogue	W, R	Rocker Arm/Follower	BFS181S	R

Cross References

Manufacturer	Reference
AMC	908510
Nissan	11039EB30A
Nissan	11039EC00A
Nissan	11040EB300

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH007 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mitsubishi

For Engines:

4D56 HP

Parts Included:

Manifold Bolts, Injector Washers

Technical Specifications

Inlet Valve Head Diameter: 31.5M

Exhaust Valve Head Diameter: 27.5MM

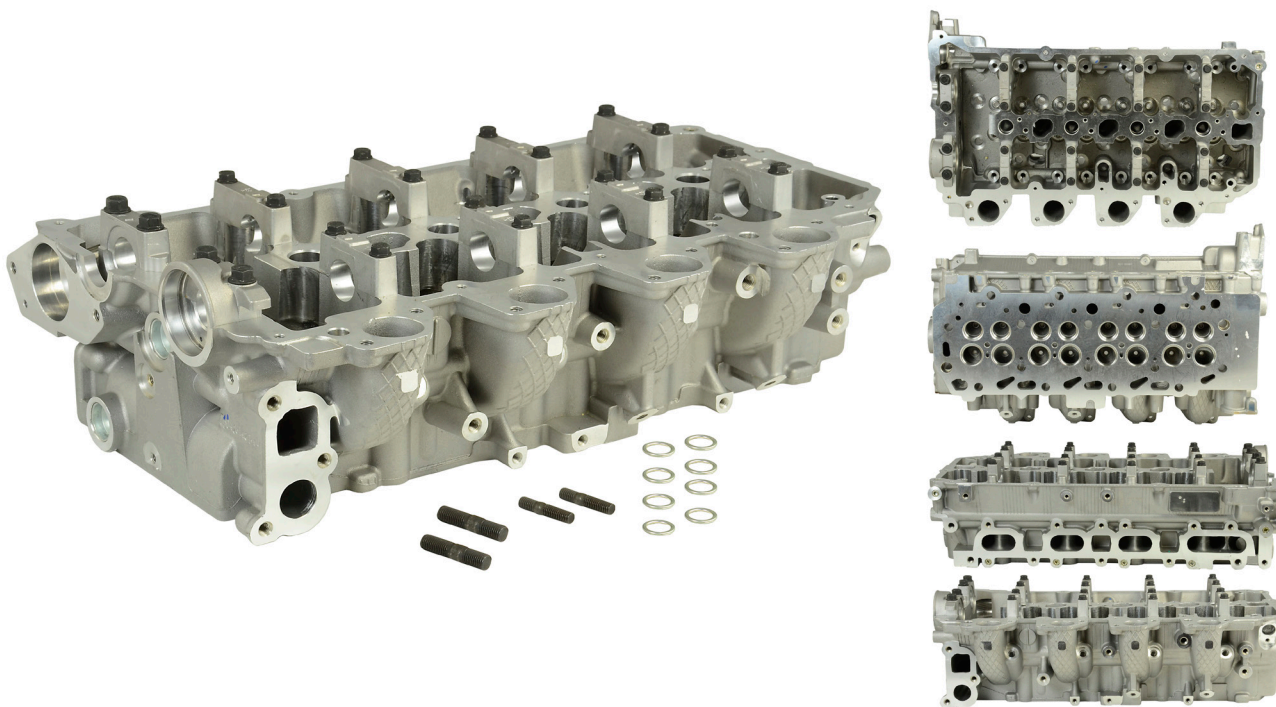
Total Valve Length: 107.6MM, 108MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See web catalogue for the latest information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG2101	R	Inlet Valve	IV95136, IV95138	W, R
Head Set	HS2101	R	Exhaust Valve	EV95137, EV95139	W, R
Head Bolts	B2101	R	Valve Stem Seal	VSK2163	R
Rocker Cover Gasket	RC2101S	R	Camshaft	C308, C309, C310, C311	W, R
Intake Manifold Gasket	IM2101	R	Rocker Arm/Follower	R215S	R
Exhaust Manifold Gasket	EM2101	R	Oil Seals	OS242	R

Cross References

Manufacturer Reference

AMC	908519
Mitsubishi	1005A560
Mitsubishi	1005B452
Mitsubishi	1005B453



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH008 Bare Cylinder Head

Product Information

For Vehicle Makes:

Toyota

For Engines:

2KD-FTV

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 30.5MM

Exhaust Valve Head Diameter: 26.5MM

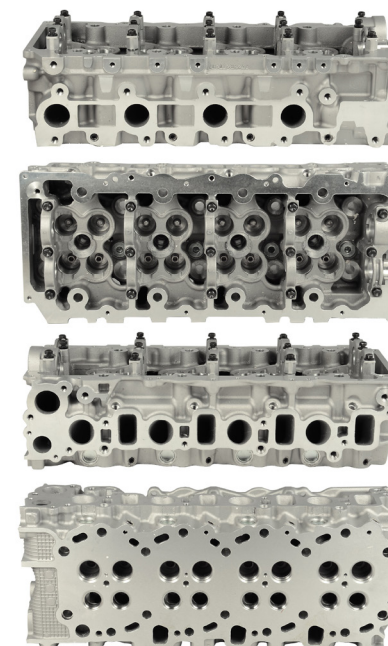
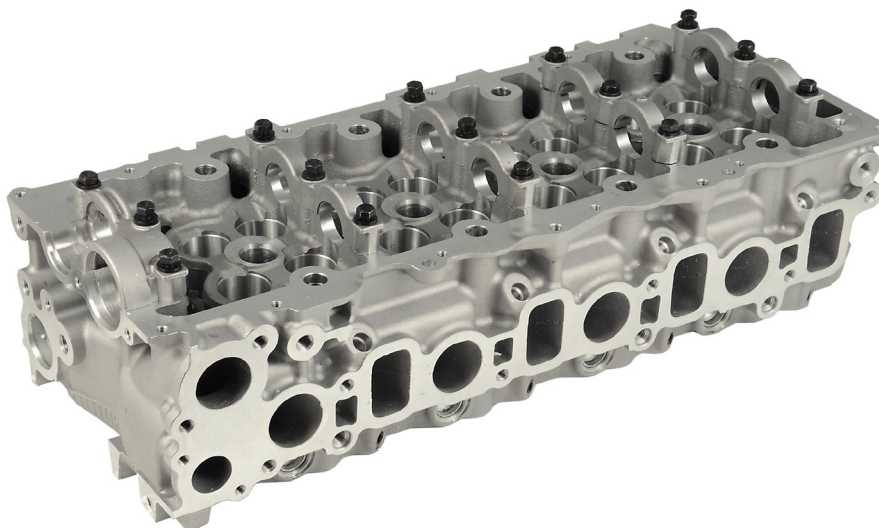
Total Valve Length: 105.6MM, 105.8MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See web catalogue for the latest information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG2124D(T)	R	Inlet Valve	IV95246	R
Head Set	HS2124NH	R	Exhaust Valve	EV95247	R
Head Bolts	B2124	R	Valve Stem Seal	VSK2124	R
Rocker Cover Gasket	RC2124S	R	Oil Seals	OS349	R
Intake Manifold Gasket	IM2124	R	Glow Plug	LP068, LP077	R, W
Exhaust Manifold Gasket	EM2124	R			

Cross References

Manufacturer Reference

AMC	908784
Toyota	1110130040
Toyota	1110130060
Toyota	1110130070

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH009 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford/Mazda

For Engines:

WLAA, WEAT, WLAT

Parts Included:

Valve Stem Seals, Valve Guides, Water Connector Pipe, Manifold Bolts

Technical Specifications

Inlet Valve Head Diameter: 31MM

Exhaust Valve Head Diameter: 28MM

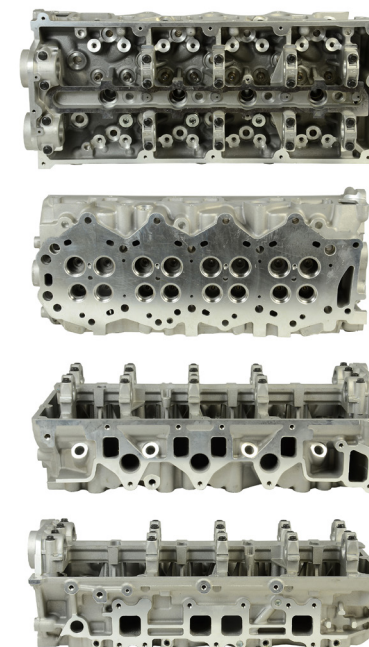
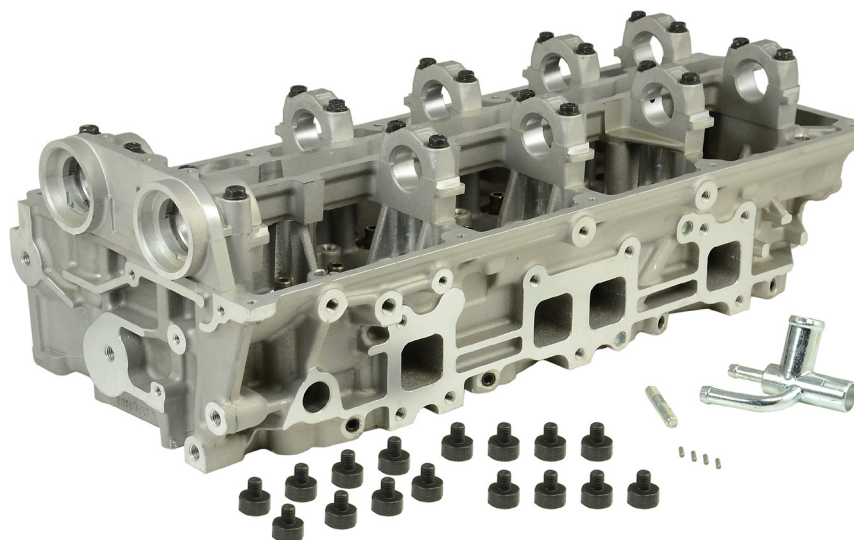
Total Valve Length: 112MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Complete Cylinder Head See CCH009



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG2102, HG2134A(T)	R, W	Inlet Valve	IV95167	R
Head Set	HS2134NH	R	Exhaust Valve	EV95168	R
Head Bolts	B2102	R	Valve Stem Seal	VSK2102	*
Rocker Cover Gasket	RC2102S	R	Camshaft	C342, C343	R
Intake Manifold Gasket	IM2102	R	Rocker Arm/Follower	R167S	R
Exhaust Manifold Gasket	EM2102	R	Oil Seals	OS1804, OS2105	R, W

Cross References

Manufacturer Reference

AMC	908749
Ford	4986980
Mazda	WE0110100J
Mazda	WE0110100K



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH010 Bare Cylinder Head

Product Information

For Vehicle Makes:

Opel/Vauxhall

For Engines:

Z17 DTH, Z17 DTJ, Z17 DTL, Z17 DTR

Parts Included:

Bare cylinder Head Only.

Technical Specifications

Inlet Valve Head Diameter: 27.5MM

Exhaust Valve Head Diameter: 25.5MM

Total Valve Length: 102.4MM, 102.6MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For CRD Engines



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1366B(T), HG2255B(T)	W, R
Head Set	HS1366NH, HS1790NH	W, R
Head Bolts	B618, B2255	W, R
Rocker Cover Gasket	See Website Catalogue	W, R
Intake Manifold Gasket	IM1366, IM1790	W, R
Exhaust Manifold Gasket	EM1366, EM1790	W, R

Product	Part Number	Notes
Inlet Valve	IV95186	R
Exhaust Valve	EV95187	R
Valve Stem Seal	VSK1006	R
Camshaft	C361, C362, C237, C238	W, R
Rocker Arm/Follower	BFS157S, BFS157	W, R
Oil Seals	OS895, OS347	W, R

Cross References

Manufacturer	Reference
AMC	908555
Opel	607151
Vauxhall	55576874
Vauxhall	55588017

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH011 Bare Cylinder Head

Product Information

For Vehicle Makes:

Fiat/Lancia/Opel/Suzuki/Vauxhall

For Engines:

188 A9.000, 199 A2.000, 199 A3.000, 223 A9.000, Y13 DT, Z13 DT, Z13 DTH, Z13 DTJ

Parts Included:

Valve Guides, Manifold Bolts

Technical Specifications

Inlet Valve Head Diameter: 21.9MM

Exhaust Valve Head Diameter: 21.9MM

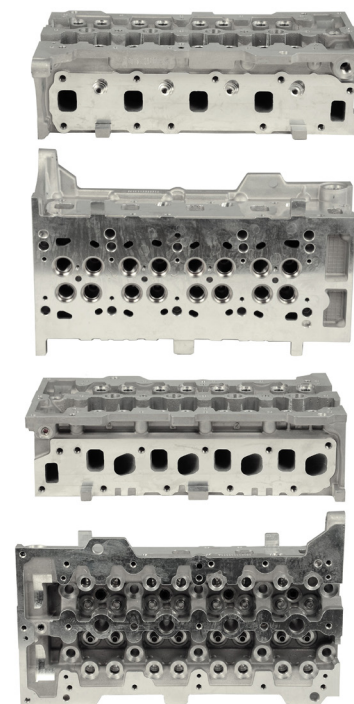
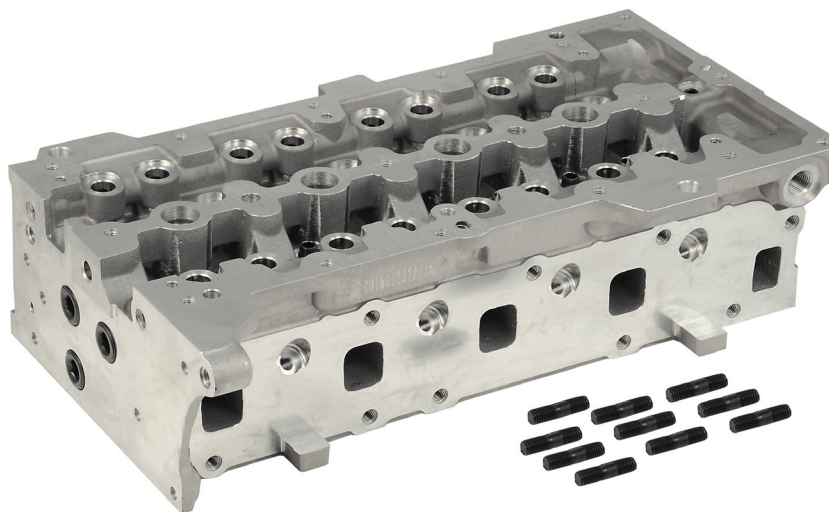
Total Valve Length: 109.2MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Early Version, For Later Version See BCH067



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1618B(T)	R	Inlet Valve	IV8930	R
Head Set	HS1321NH, HS1618NH, HS1619NH	W, R	Exhaust Valve	EV8931	R
Head Bolts	B1321	R	Valve Stem Seal	VSK1006	R
Rocker Cover Gasket	RC1321S	R	Camshaft	C254, C255	R
Intake Manifold Gasket	IM1618	R	Rocker Arm/Follower	R171S, BFS148, BFS148S	W, R
Exhaust Manifold Gasket	EM1321	R	Glow Plugs	LP098	R

Cross References

Manufacturer	Reference
AMC	908556
Fiat	71729497
Fiat	71739601
Opel	5607170



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH012 Bare Cylinder Head

Product Information

For Vehicle Makes:

DACIA/NISSAN/RENAULT/SUZUKI

For Engines:

K9K 700, K9K 702, K9K 704, K9K 710, K9K 712, K9K 722, K9K 728, K9K 729, K9K 750, K9K 752, K9K 790

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 33.5MM

Exhaust Valve Head Diameter: 29MM

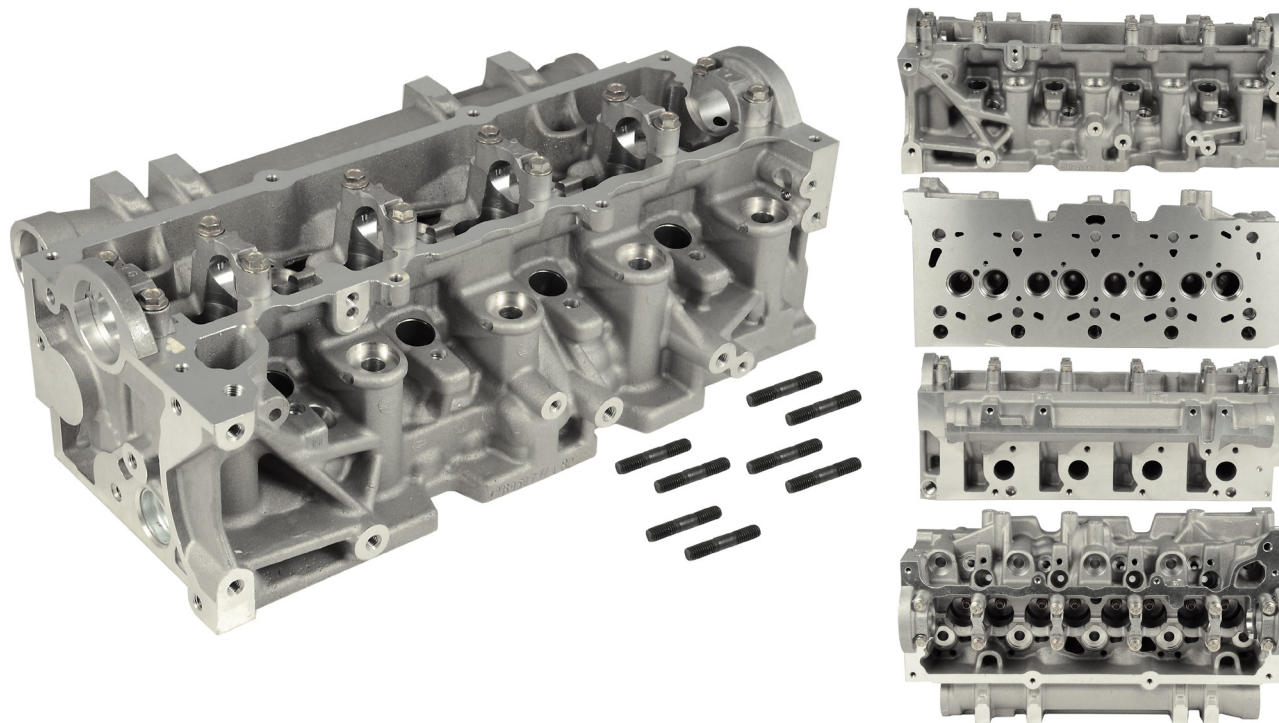
Total Valve Length: 100.9MM, 100.7MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1053, HG1432	W, R	Exhaust Valve	EV94609	R
Head Set	See Website Catalogue	W, R	Valve Stem Seal	VSK739	R
Head Bolts	B1139	R	Valve Guides	BFG024	*
Rocker Cover Gasket	RC1053S	R	Camshaft	C253, C355	W, R
Exhaust Manifold Gasket	EM1053	R	Rocker Arm/Follower	BFS183S, BFS207S	W, R
Inlet Valve	IV94608	R	Oil Seals	OS880	R

Cross References

Manufacturer	Reference
AMC	908521
Dacia	110417781R
Dacia	7701473181
Nissan	1104100QAM

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH013 Bare Cylinder Head

Product Information

For Vehicle Makes:

Toyota/VW

For Engines:

2L-TII, 2L

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 42.5MM

Exhaust Valve Head Diameter: 36.1MM

Total Valve Length: 103.5MM, 103.3MM

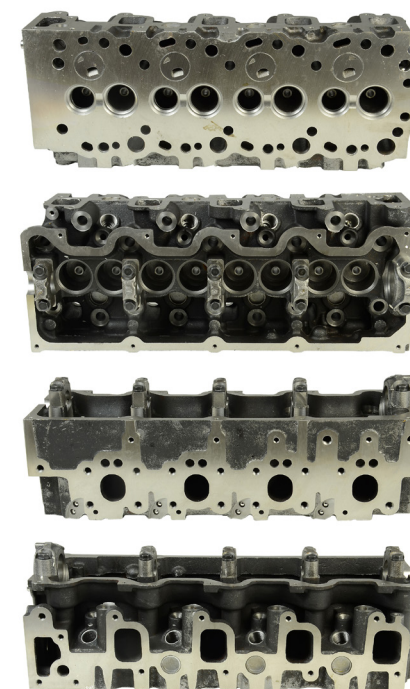
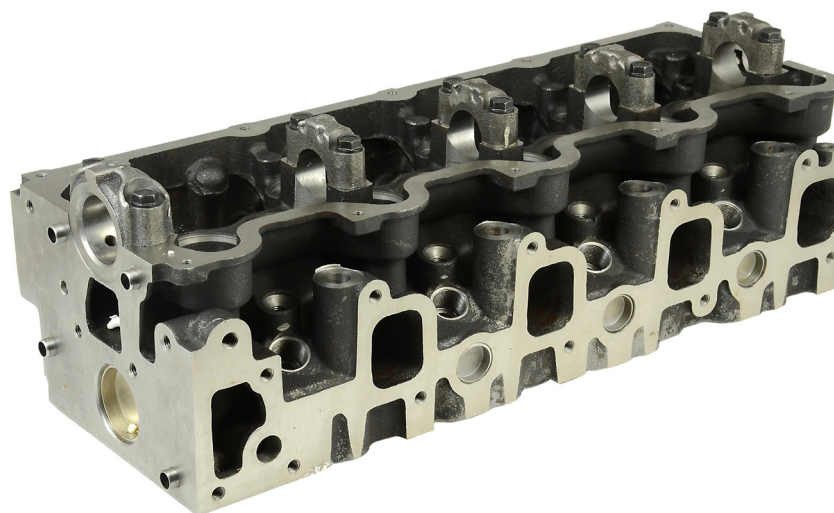
No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Without groove for Camshaft Lubrication (fig.1, See BCH049 for version: With groove for Camshaft Lubrication)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG366, HG905	W, R	Inlet Valve	IV4291	R
Head Set	HS1246, HS366, HS905	W, R	Exhaust Valve	EV4292	R
Head Bolts	B1027	R	Valve Stem Seal	VSK366, VSK682	W, R
Rocker Cover Gasket	RC366S, RC905S	W, R	Camshaft	C322	R
Intake Manifold Gasket	IM905	R	Oil Seals	OS344, OS349	W, R
Exhaust Manifold Gasket	EM905, DP325	W, R	Glow Plugs	LP081	R

Cross References

Manufacturer Reference

AMC	909051
AMC	909052
AMC	909056
Toyota	1110154111



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH014 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford/Mazda

For Engines:

WL, WL-T, WLE7

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 32.7MM

Exhaust Valve Head Diameter: 35.6MM

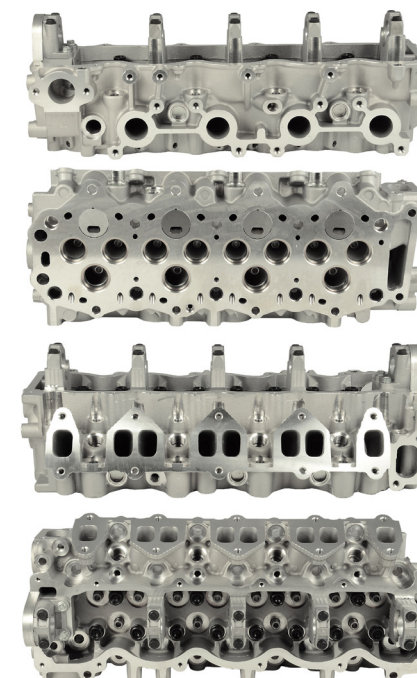
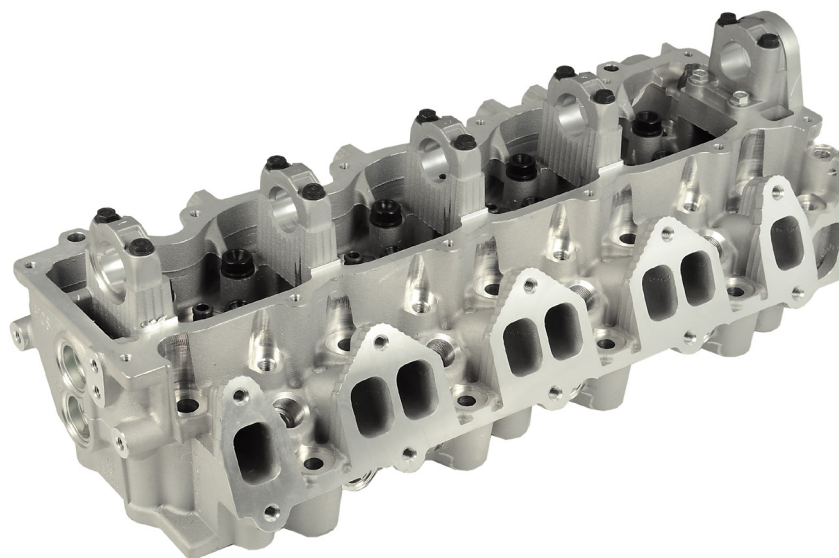
Total Valve Length: 111.8MM, 111.9MM

No. Valves Required: 12

No. Camshafts Required: 1

Important Notes:

For Complete Cylinder Head see CCH014



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1804	R	Inlet Valve	IV95104	R
Head Set	HS1804	R	Exhaust Valve	EV95105	R
Head Bolts	B1804	R	Valve Stem Seal	VSK1804	R
Rocker Cover Gasket	RC1804S	R	Camshaft	C321	R
Intake Manifold Gasket	IM1804	R	Rocker Arm/Follower	R166S, R208S, BFS319S	W, R
Exhaust Manifold Gasket	EM1804	R	Oil Seals	OS1804	R

Cross References

Manufacturer Reference

AMC	908744
AMC	908745
AMC	908747
Ford	40443225

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH016 Bare Cylinder Head

Product Information

For Vehicle Makes:

Fiat/Iveco

For Engines:

F1AE0481A, F1AE0481N, F1AE0481D, F1AE0481C

Parts Included:

Valve Guides.

Technical Specifications

Inlet Valve Head Diameter: 30MM

Exhaust Valve Head Diameter: 30MM

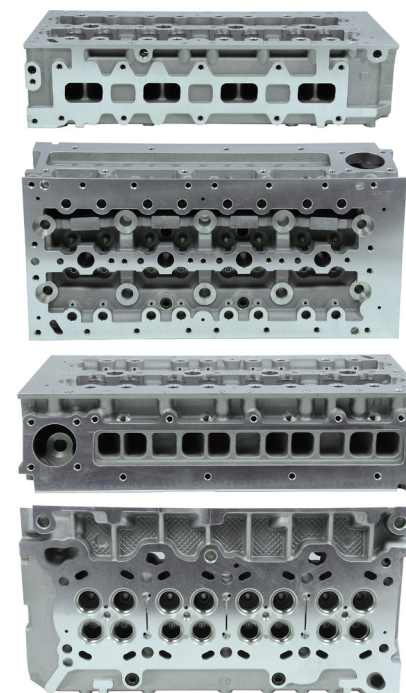
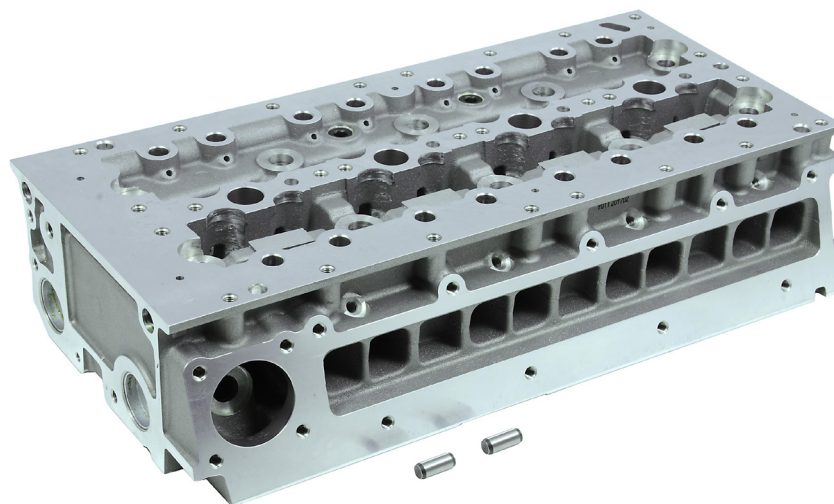
Total Valve Length: 120.4MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Direct Injection Engines Only.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1625B(T)	R	Inlet Valve	IV95062	R
Head Set	HS1625NH	R	Exhaust Valve	EV95063	R
Head Bolts	B1625	R	Valve Stem Seal	VSK1626	R
Rocker Cover Gasket	RC1624S, RC1625S	W, R	Rocker Arm/Follower	See Website Catalogue	W, R
Intake Manifold Gasket	IM1625, IM1626	W, R	Oil Seals	OS1624	R
Exhaust Manifold Gasket	EM1625	R	Glow Plugs	LP093	R

Cross References

Manufacturer Reference

AMC 908545

Fiat 71752505

Fiat 71771718

Iveco 504049268



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH017 Bare Cylinder Head

Product Information

For Vehicle Makes:

Fiat/Iveco

For Engines:

F1CE0441A, F1CE0481A, F1CFA401A

Parts Included:

Bare cylinder Head Only.

Technical Specifications

Inlet Valve Head Diameter: 32.4MM

Exhaust Valve Head Diameter: 32.4MM

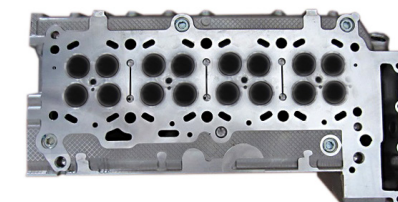
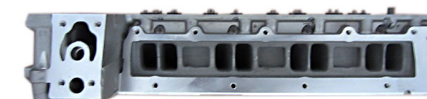
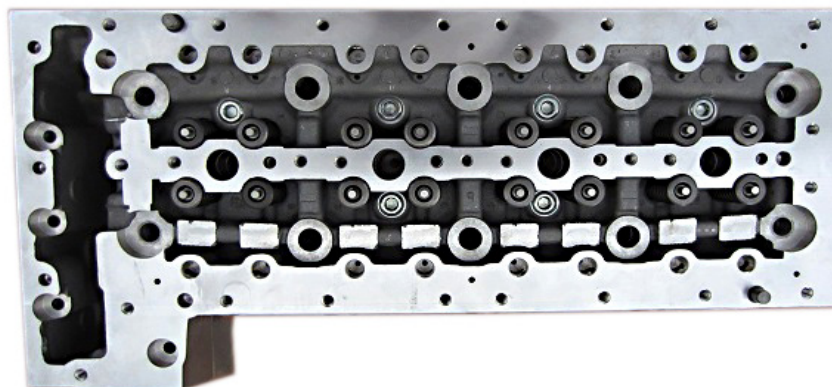
Total Valve Length: 119.95MM, 120.00MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Direct Injection Engines Only.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1626B(T)	R	Inlet Valve	IV95064	R
Head Set	HS1626NH	R	Exhaust Valve	EV95065	R
Head Bolts	B1626	R	Valve Stem Seal	VSK1626	R
Rocker Cover Gasket	RC1626S	R	Valve Guides	BFG033	R
Intake Manifold Gasket	IM1626	R	Rocker Arm/Follower	BFS127, BFS127S	R, W
Exhaust Manifold Gasket	EM1626	R	Glow Plugs	LP093	R

Cross References

Manufacturer Reference

AMC	908546
Fiat	71724120
Fiat	71724123
Fiat	71792175

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH018 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford

For Engines:

D2FA, D2FB, D2FE, D4FA, DOFA, F4FA, FXFA

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 31.30MM

Exhaust Valve Head Diameter: 27.80MM

Total Valve Length: 122.20MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Non CRD Engines, Without Camshaft Sensor Hole (fig.1)

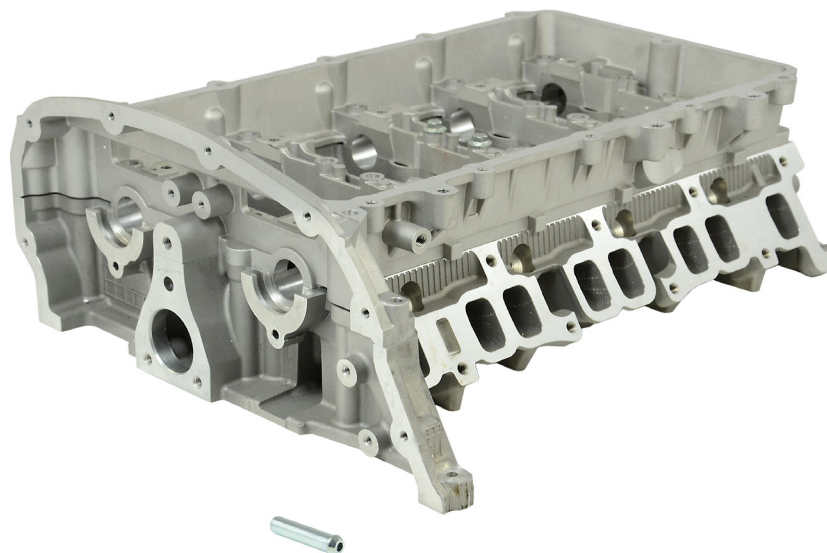
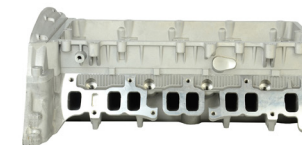
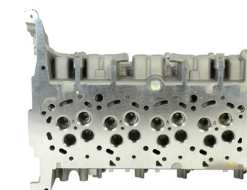


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1010	R
Head Set	See Website Catalogue	R, W
Head Bolts	B1008	R
Rocker Cover Gasket	RC1002S, RC1446S	R, W
Intake Manifold Gasket	IM1002	R
Exhaust Manifold Gasket	EM1002, EM1005	R, W

Product	Part Number	Notes
Inlet Valve	IV94380	R
Exhaust Valve	EV94381	R
Valve Stem Seal	VSK1002	R
Camshaft	C251, C252, C336, C337	R, W
Rocker Arm/Follower	See Website Catalogue	R, W
Glow Plugs	LP074	R

Cross References	
Manufacturer	Reference
AMC	908766
Ford	1099947
Ford	1333272
Ford	1701911



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH019 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford

For Engines:

H9FA

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 31.30MM

Exhaust Valve Head Diameter: 27.80MM

Total Valve Length: 122.20MM

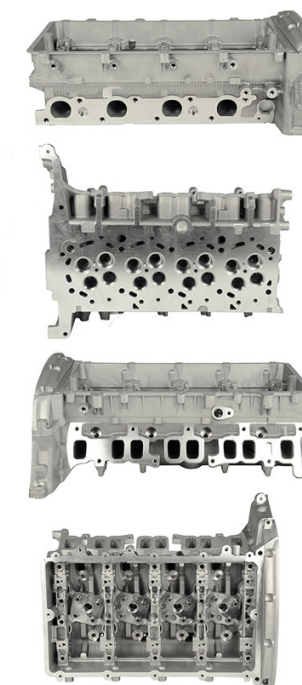
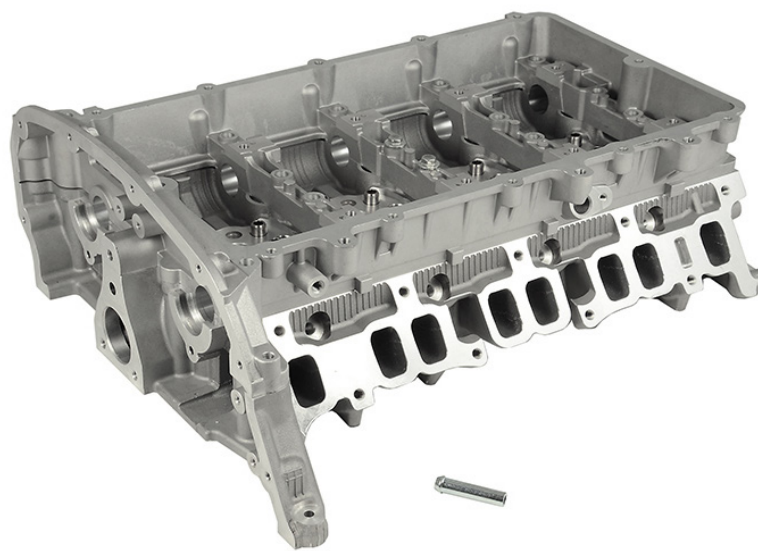
No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For CRD Engines, With Camshaft Sensor Hole (fig.1)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1010	R	Inlet Valve	IV94380	R
Head Set	HS1002NH	R	Exhaust Valve	EV94381	R
Head Bolts	B1008	R	Valve Stem Seal	VSK1002	R
Rocker Cover Gasket	RC1002S	R	Camshaft	C251, C252	R
Intake Manifold Gasket	IM1002	R	Rocker Arm/Follower	BFS164S, BFS165S	R, W
Exhaust Manifold Gasket	EM1002	R	Glow Plugs	LP074	R

Cross References

Manufacturer **Reference**

AMC 908767

Ford 1331233

Ford 1701871

W See website catalogue

R Not included, but required

***** Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH020 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford/Land Rover

For Engines:

H9FB, H9FD, JXFA, JXFC, PHFA, PHFC, ZSD-424

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 29.80MM

Exhaust Valve Head Diameter: 25.80MM

Total Valve Length: 122.20MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For CRD Engines, With Camshaft Sensor Hole (fig.1)

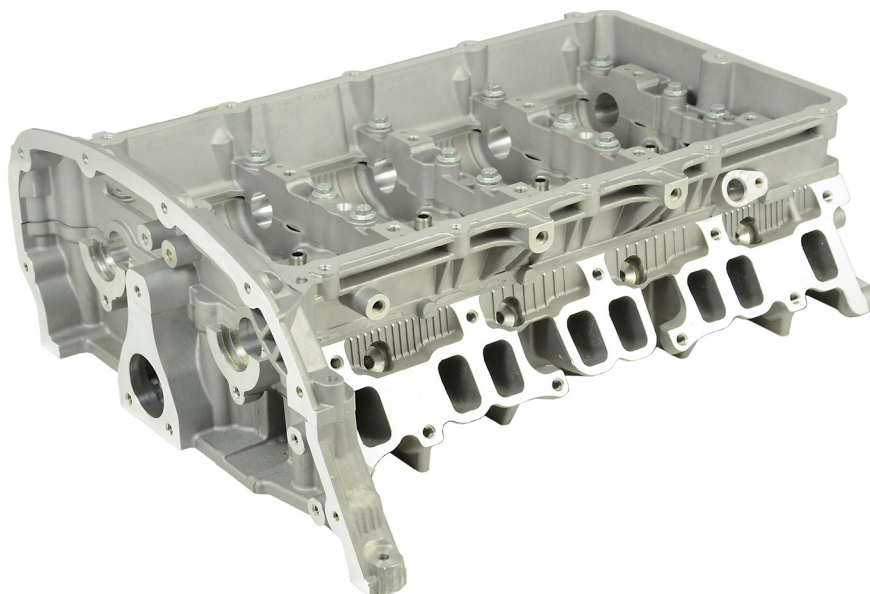
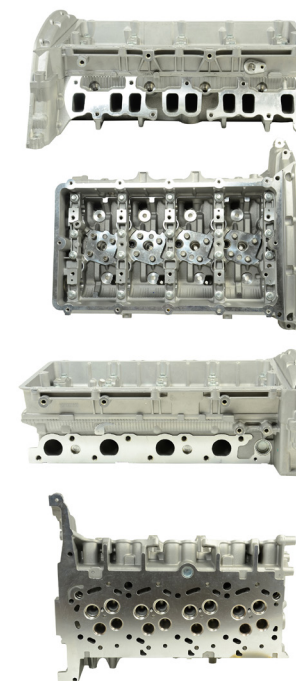


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1010	R	Inlet Valve	IV181018	R
Head Set	HS1446NH	R	Exhaust Valve	EV181019	R
Head Bolts	B1008	R	Valve Stem Seal	VSK1002	R
Rocker Cover Gasket	RC1446S	R	Camshaft	C336, C337	R
Intake Manifold Gasket	IM1002	R	Rocker Arm/Follower	BFS320S, LR330	R
Exhaust Manifold Gasket	EM1002	R	Glow Plugs	LP074	R

Cross References

Manufacturer Reference

AMC	908768
Ford	1433148
Ford	1475887
Landrover	LR0185



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH021 Bare Cylinder Head

Product Information

For Vehicle Makes:
Citroën/Peugeot/Ford

For Engines:
4HU (P22DTE), 4HV (P22DTE), P8FA, QVFA, QWFA, SRFA

Parts Included:
Bare Cylinder Head Only.

Technical Specifications

Inlet Valve Head Diameter: 29.80MM

Exhaust Valve Head Diameter: 25.80MM

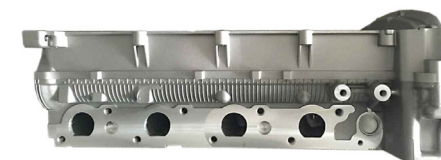
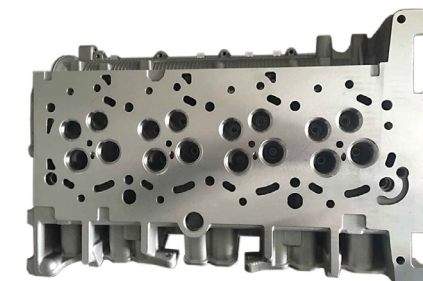
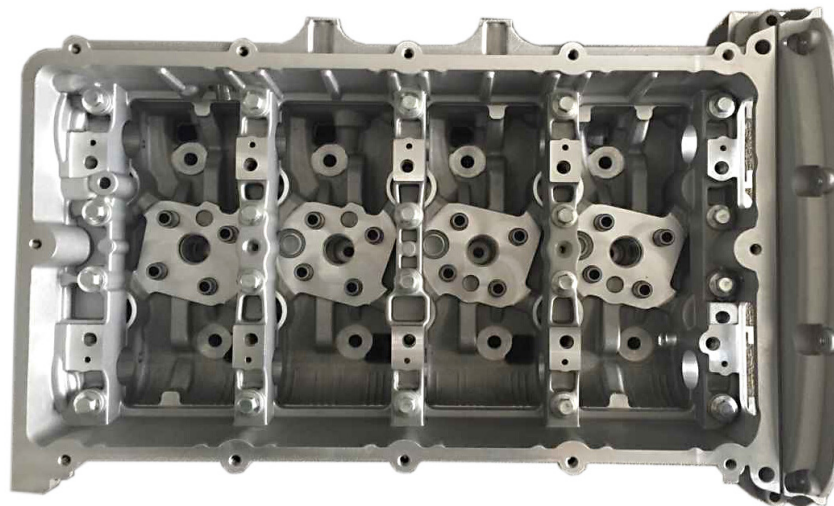
Total Valve Length: 122.20MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:
For CRD Engines, With Camshaft Sensor Hole (fig.1)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1446B(T)	R, W	Inlet Valve	IV181018	R
Head Set	HS1446NH	R	Exhaust Valve	EV181019	R
Head Bolts	B1193, B1446	R, W	Valve Stem Seal	VSK1002	R
Rocker Cover Gasket	RC1446S	R	Camshaft	C340, C341	R, W
Intake Manifold Gasket	IM1002	R	Rocker Arm/Follower	BFS320S, LR330	R, W
Exhaust Manifold Gasket	EM1002	R	Glow Plugs	LP074	R

Cross References

Manufacturer **Reference**

AMC 908867

Citroen/Peugeot 0200.GW

Fiat 71724181

Fiat 9662378080

W See website catalogue
R Not included, but required

***** Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH022 Bare Cylinder Head

Product Information

For Vehicle Makes:
Hyundai/Kia

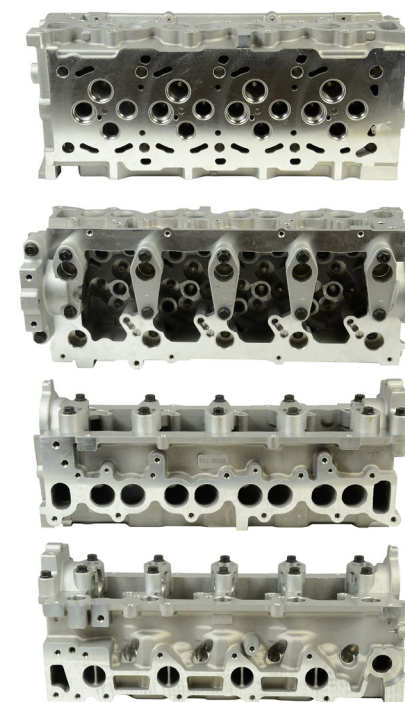
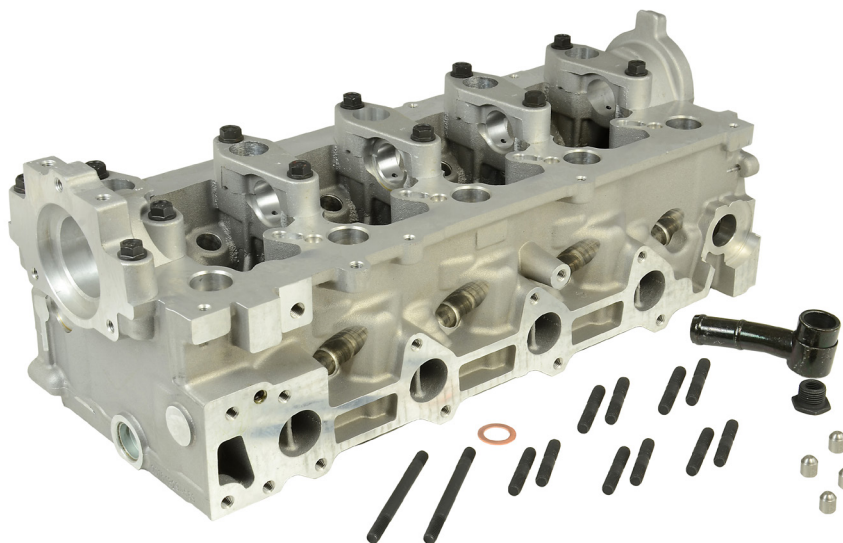
For Engines:
D4EA, D4EA-V, D4EB

Parts Included:
Valve Guides, Manifold Studs, Coolant Connecting Pipes

Technical Specifications

Inlet Valve Head Diameter:	28.50MM
Exhaust Valve Head Diameter:	24.40MM
Total Valve Length:	95.70MM, 95.40MM
No. Valves Required:	16
No. Camshafts Required:	1

Important Notes:
See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG2129B(T), HG1522	R, W
Head Set	HS2129NH, HS1522	R, W
Head Bolts	B2129	R
Rocker Cover Gasket	RC1522S	R
Intake Manifold Gasket	IM1522, IM2129	R, W
Exhaust Manifold Gasket	EM1522, EM2129	R, W
Inlet Valve	IV95016	R

Product	Part Number	Notes
Exhaust Valve	EV95017	R
Valve Stem Seal	VSK1522, VSK2129	R, W
Valve Guides	BFG007	*
Camshaft	C281, C346	R, W
Rocker Arm/Follower	See Website Catalogue	R, W
Oil Seals	OS1517, OS2129	R, W
Glow Plugs	LP086	R

Cross References

Manufacturer	Reference
AMC	908773
Hyundai/Kia	2210027750
Hyundai/Kia	2210027800
Hyundai/Kia	2210027400



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH025 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Chrysler/Dodge/Jeep/Mitsubishi/Seat/Skoda/VW

For Engines:

AZV, BKD, BKP, BLB, BMA, BMN, BMR, BNA, BRD, BRE, BRF, BSY, BUY, BVE, BVF, BVG, BWC, BWV, ECD

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: See Website Catalogue

Exhaust Valve Head Diameter: See Website Catalogue

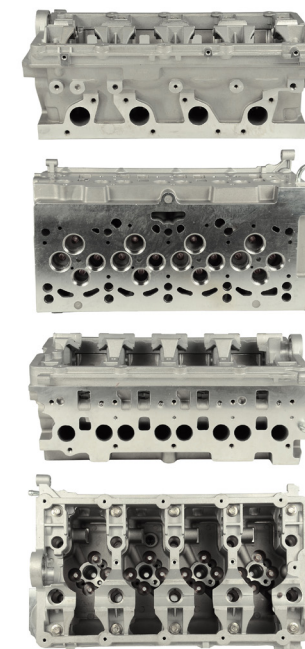
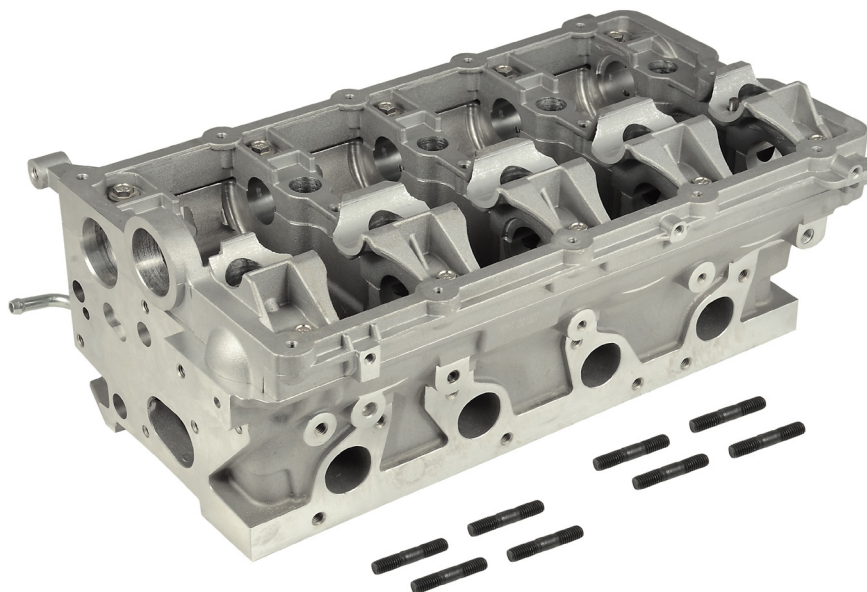
Total Valve Length: See Website Catalogue

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Different Valves Depending On Transmission Type



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1360B(T), HG1748B(T)	R, W
Head Set	HS1360NH, HS1748NH	R, W
Head Bolts	B1360, B1662	R, W
Rocker Cover Gasket	RC1360S	R
Intake Manifold Gasket	See Website Catalogue	R, W
Exhaust Manifold Gasket	EM1360, EM1498	R, W
Inlet Valve	IV95026, IV95028	R, W

Product	Part Number	Notes
Exhaust Valve	EV95027, EV95029	R, W
Valve Stem Seal	VSK1196	R
Valve Guides	BFG011	*
Camshaft	C334, C335, C339	R, W
Rocker Arm/Follower	See Website Catalogue	R, W
Oil Seals	OS1320	R
Glow Plugs	LP088, LP135	R, W

Cross References

Manufacturer	Reference
AMC	908718
Chrysler/Jeep	68001295A
Volkswagen	03G103351B
Volkswagen	03G103351E

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH026 Bare Cylinder Head

Product Information

For Vehicle Makes:

Citroën/Fiat/Ford/Mazda/Mini/Peugeot/Suzuki/Volvo

For Engines:

9HN, 9HS, 9HT, 9HU, 9HV, 9HW, 9HX, 9HY, 9HZ, DV6, D 4164 T, G8DA, G8DB, G8DD, G8DE, G8DF, GPDA, GPDB, GPDC, HHDA, HHDB, Y601, Y642

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 25.60MM

Exhaust Valve Head Diameter: 23.40MM

Total Valve Length: 96.40MM/96.60MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

With 3 Identification Holes (fig.1)

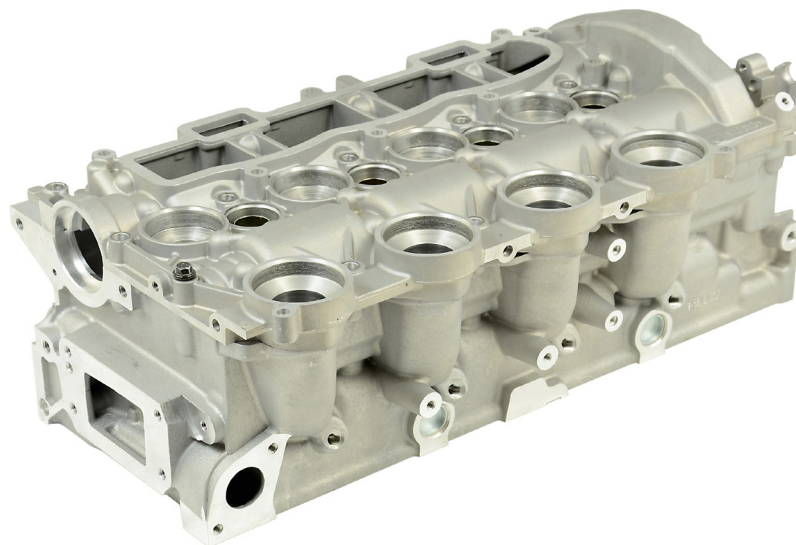
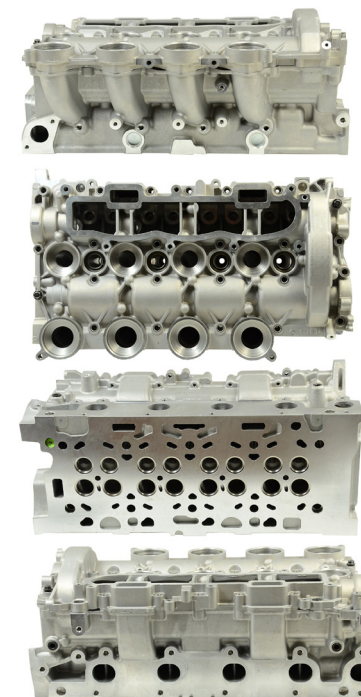


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1164D(T)	R
Head Set	HS1164NH, HS1165NH	R, W
Head Bolts	B1157	R
Rocker Cover Gasket	RC1164S	R
Intake Manifold Gasket	IM1164, IM1165	R, W
Exhaust Manifold Gasket	EM1157	R
Inlet Valve	IV95128	R

Product	Part Number	Notes
Exhaust Valve	EV95129	R
Valve Stem Seal	VSK1165	R
Valve Guides	BFG008	*
Camshaft	C266, C267	R
Rocker Arm/Follower	R174S, BFS148, BFS148S	R, W
Oil Seals	OS1157	R
Glow Plugs	LP080, LP110	R, W

Cross References	
Manufacturer	Reference
AMC	908596
Citroen	0200.EH
Ford	1229884
Ford	1477183



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH027 Bare Cylinder Head

Product Information

For Vehicle Makes:

VW

For Engines:

AXD, AXE, BAC, BLJ, BNZ, BPC, BPE

Parts Included:

Valve Guides, Coolant Connector Pipe

Technical Specifications

Inlet Valve Head Diameter: 35.90MM

Exhaust Valve Head Diameter: 31.50MM

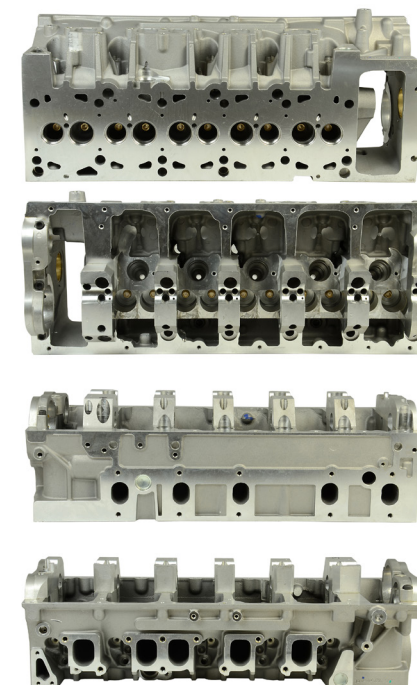
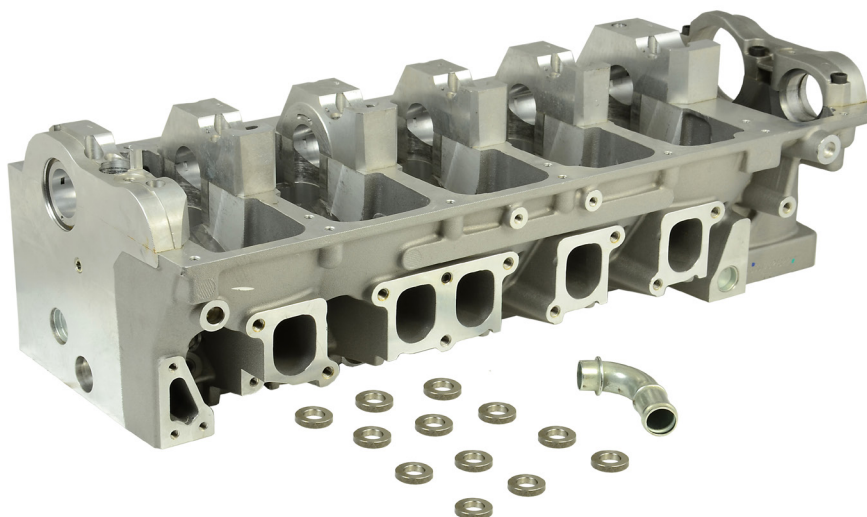
Total Valve Length: 89.90MM/89.55MM

No. Valves Required: 10

No. Camshafts Required: 1

Important Notes:

For Direct Injection Engines Only.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1413B(T)	R	Exhaust Valve	EV331034	R
Head Set	HS1413NH, HS1495NH	R, W	Valve Stem Seal	VSK1413	R
Head Bolts	B1413	R	Valve Guides	BFG045, BFG051	*, W
Intake Manifold Gasket	IM1413, IM1495K	R, W	Camshaft	C280, C316	R, W
Exhaust Manifold Gasket	EM1413	R	Rocker Arm/Follower	See Website Catalogue	R, W
Inlet Valve	IV331033	R	Glow Plugs	LP096, LP156	R, W

Cross References

Manufacturer Reference

AMC	908712
Volkswagen	070103063D
Volkswagen	070103063K
Volkswagen	070103063Q

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH028 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Ford/Seat/Skoda/VW

For Engines:

AHU, AJM, ANU, ARL, ASZ, ATD, ATJ, AUJ, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BDJ, BDK, BEW, BGW, BHW, BJB, BKC, BKE, BLS, BLT, BMM, BMP...Please see application guide for a full listing.

Parts Included:

Coolant Pipe Connector, Valve Guides, Injector Washers

Technical Specifications

Inlet Valve Head Diameter: 35.90MM

Exhaust Valve Head Diameter: 31.50MM

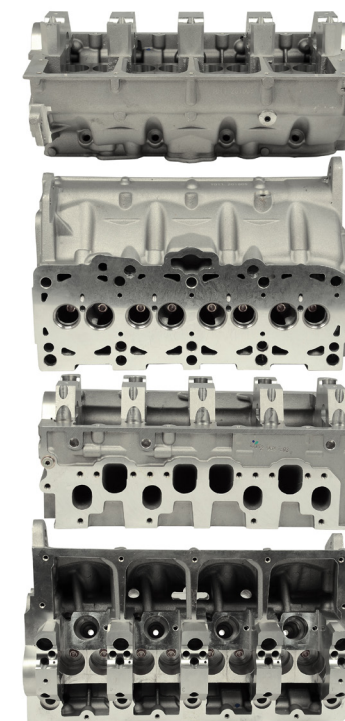
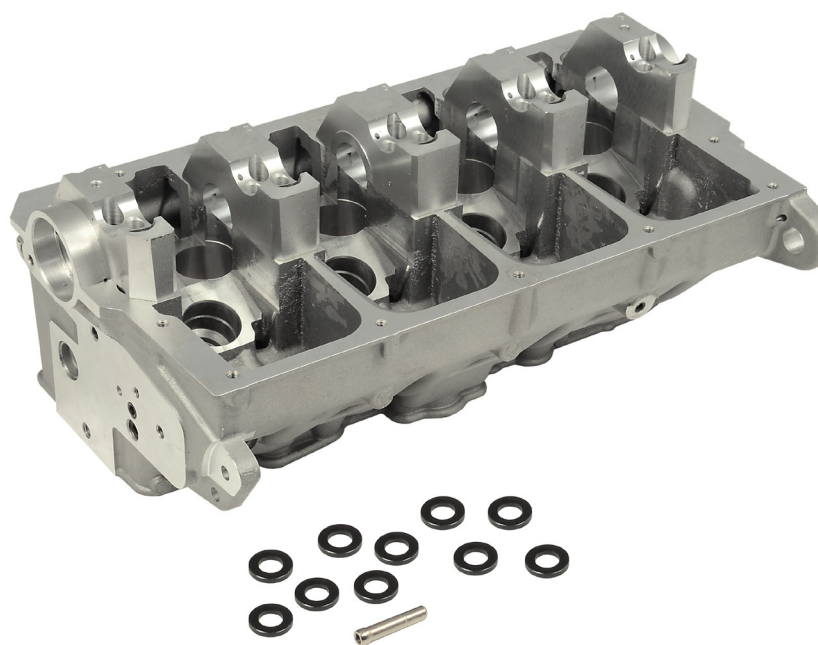
Total Valve Length: 89.90MM, 89.55MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

For Vehicles with Hydraulic Followers/Lifters, Alternative Version BCH050



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1012B(T)	R
Head Set	HS1316NH, HS1316NHX	R, W
Head Bolts	B068, B1056	R, W
Rocker Cover Gasket	RC1316S	R
Intake Manifold Gasket	IM534	R
Exhaust Manifold Gasket	EM1009	R
Inlet Valve	IV331033	R

Product	Part Number	Notes
Exhaust Valve	EV331034	R
Valve Stem Seal	VSK238	R
Valve Guides	BFG045, BFG051	R, W, *
Camshaft/Kit	CSK248C, C248, C248C	R, W
Camshaft Bearings	EB5009LCSTD	R
Rocker Arm/Follower	BFS101, BFS318S	R, W
Oil Seals	OS1320	R

Cross References	
Manufacturer	Reference
AMC	908716
Ford	1118995
VAG	038103351D
VAG	03G103351C



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH029 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Seat/Skoda/VW

For Engines:

CFFA, CFFB, CFFD, CFFE, CFGB, CFGC, CFHA, CFHB, CFHC, CFHD, CFHF, CFJA, CGLB, CGLC, CGLD, CJCA, CJCB, CJCC, CLCA, CLCB, CLJA, CLLA, CLLB, CMFA, CMGA, CMGB, CNEA, CNFA, CSHA

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 28.10MM

Exhaust Valve Head Diameter: 26.00MM

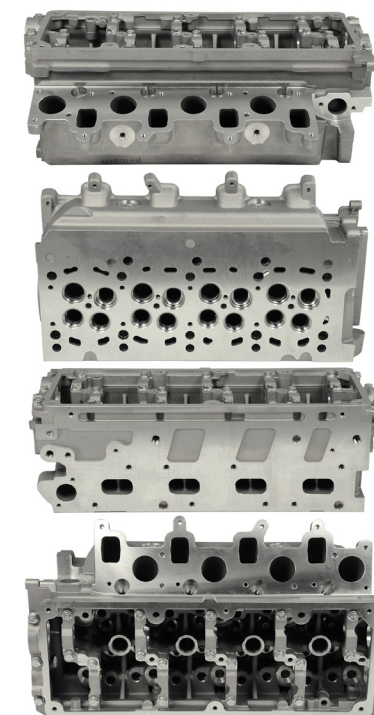
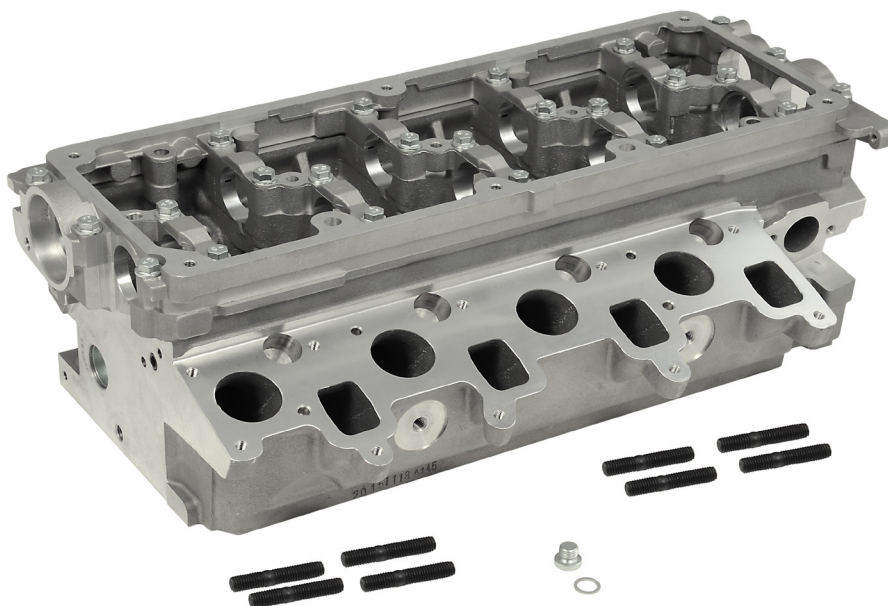
Total Valve Length: 99.30MM/99.10MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1943B(T), HG1744B(T)	R, W
Head Set	HS1943NH, HS1744NH	R, W
Head Bolts	B1360, B1662	R, W
Rocker Cover Gasket	RC1745S	R
Intake Manifold Gasket	IM1745, IM1943	R, W
Exhaust Manifold Gasket	EM1745, EM1943	R, W
Inlet Valve	IV95030	R

Product	Part Number	Notes
Exhaust Valve	EV95031	R
Valve Stem Seal	VSK1196	R
Camshaft	C347, C348	R
Camshaft Bearings	EB5009LCSTD	R
Rocker Arm/Follower	R190S, BFS174S	R
Oil Seals	OS1663	R

Cross References	
Manufacturer	Reference
AMC	908725
VAG	03L103063M
VAG	03L103351F
VAG	03L103351H

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH030 Bare Cylinder Head

Product Information

For Vehicle Makes:

VW

For Engines:

CDBA, CDCA, CKTB, CKTC, CKUB, CKUC

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 28.10MM

Exhaust Valve Head Diameter: 26.00MM

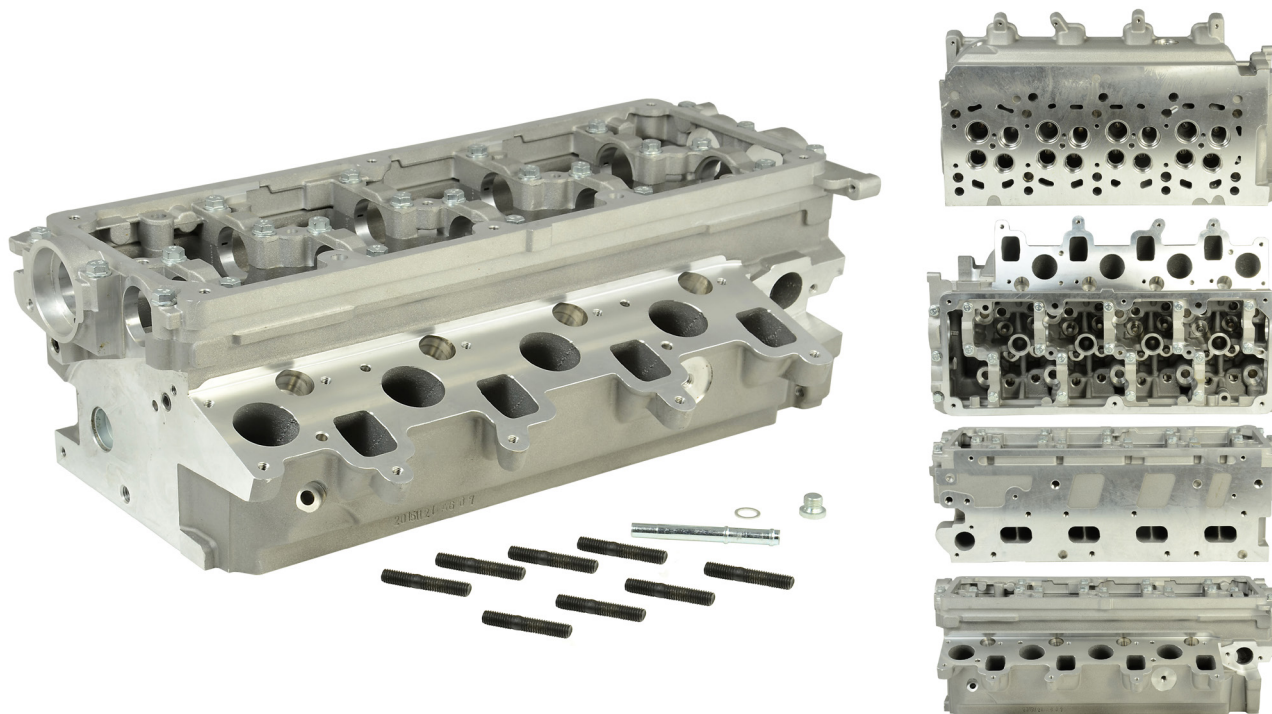
Total Valve Length: 99.30MM/99.10MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1744B(T), HG1943B(T)	R, W
Head Set	HS1943NH	R
Head Bolts	B1662	R
Rocker Cover Gasket	RC1745S	R
Intake Manifold Gasket	IM1943	R
Exhaust Manifold Gasket	EM1943	R

Product	Part Number	Notes
Inlet Valve	IV95030	R
Exhaust Valve	EV95031	R
Valve Stem Seal	VSK1196	R
Camshaft	C347, C348	R
Rocker Arm/Follower	R190S, BFS174S	R
Oil Seals	OS1663	R

Cross References	
Manufacturer	Reference
AMC	908726
Volkswagen	03L103351C
Volkswagen	03L103351G
Volkswagen	03L103351N



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH031 Bare Cylinder Head

Product Information

For Vehicle Makes:

VW

For Engines:

CFCA

Parts Included:

Valve Guides, Manifold Studs, Coolant Connector Pipe.

Technical Specifications

Inlet Valve Head Diameter: 28.10MM

Exhaust Valve Head Diameter: 26.00MM

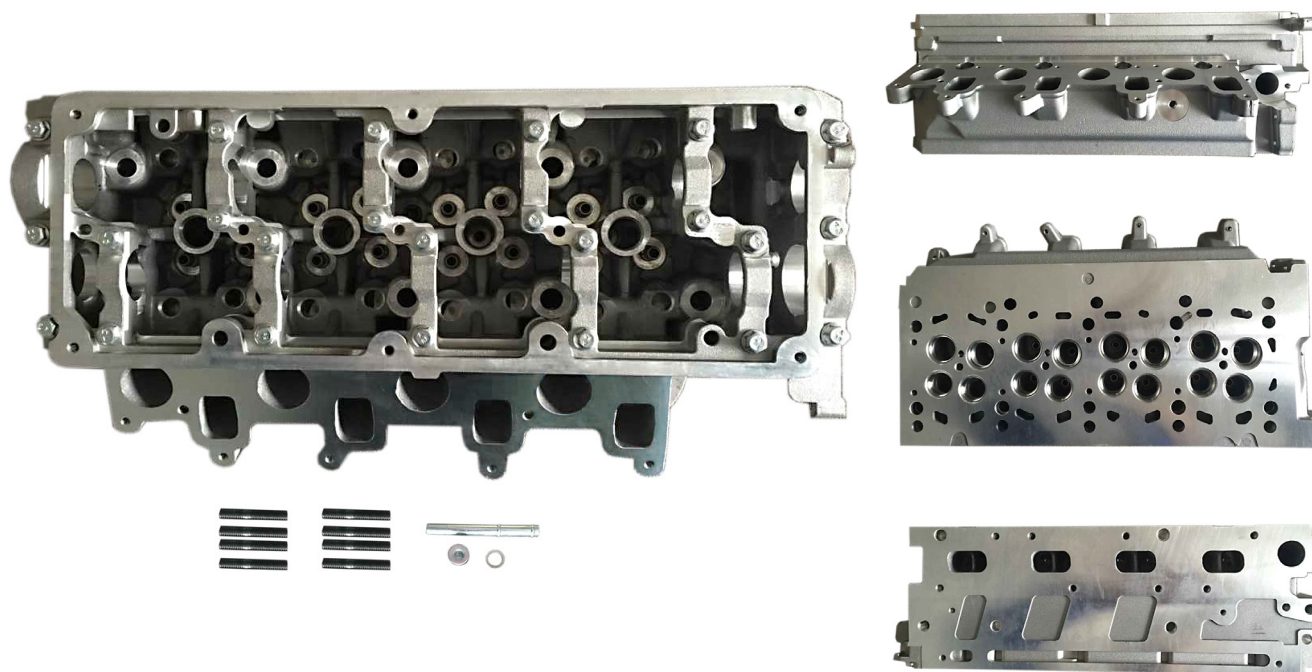
Total Valve Length: 99.30MM/99.10MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1943B(T)	R	Inlet Valve	IV95030	R
Head Set	HS1944NH	R	Exhaust Valve	EV95031	R
Head Bolts	B1662	R	Valve Stem Seal	VSK1196	R
Rocker Cover Gasket	RC1745S	R	Camshaft	C347, C348	R, W
Intake Manifold Gasket	IM1745	R	Rocker Arm/Follower	R190S, BFS174S	R, W
Exhaust Manifold Gasket	EM1944	R	Oil Seals	OS1663	R

Cross References

Manufacturer	Reference
AMC	908727
Volkswagen	03L103351D
Volkswagen	03L103351L

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH032 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Seat/Skoda/VW

For Engines:

CAYA, CAYB, CAYC, CAYD, CAYE, CLNA

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 26.60MM

Exhaust Valve Head Diameter: 24.50MM

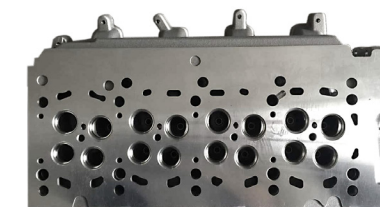
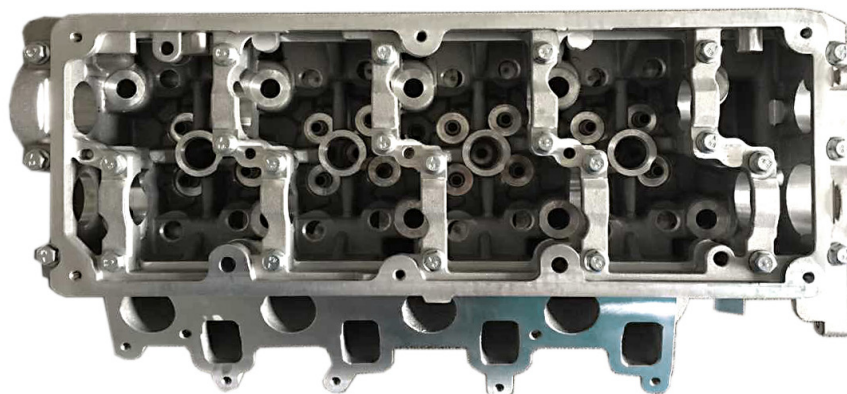
Total Valve Length: 99.30MM/99.10MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1662B(T), HG1718B(T)	R, W	Inlet Valve	IV95175	R
Head Set	See Website Catalogue	R, W	Exhaust Valve	EV95176	R
Head Bolts	B1662, B1718	R, W	Valve Stem Seal	VSK1196, VSK1662	R, W
Rocker Cover Gasket	See Website Catalogue	R, W	Camshaft	C347, C348	R
Intake Manifold Gasket	See Website Catalogue	R, W	Rocker Arm/Follower	R190S, BFS174S	R
Exhaust Manifold Gasket	EM1662, EM1718	R, W	Oil Seals	OS1663	R

Cross References

Manufacturer	Reference
AMC	908701
VAG	03L103351B



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH033 Bare Cylinder Head

Product Information

For Vehicle Makes:

Toyota

For Engines:

1KD-FTV

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 32.20MM

Exhaust Valve Head Diameter: 27.70MM

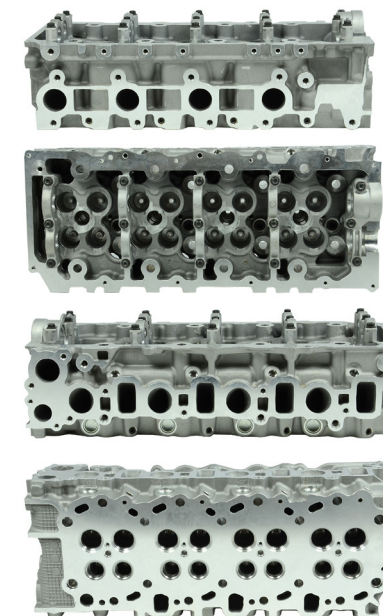
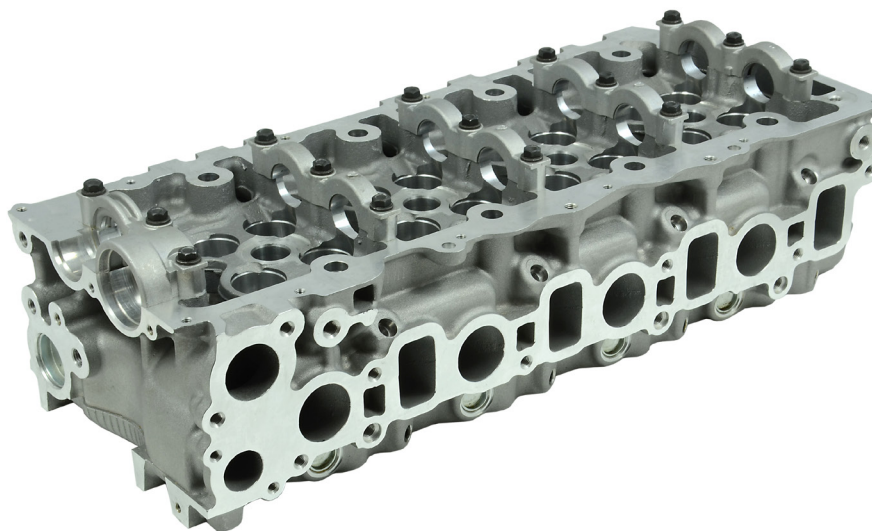
Total Valve Length: 105.40MM/105.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG2132C(T)	R
Head Set	HS2124NH	R
Head Bolts	B2124	R
Rocker Cover Gasket	RC2124S	R
Intake Manifold Gasket	IM2124	R
Exhaust Manifold Gasket	EM2124	R

Product	Part Number	Notes
Inlet Valve	IV95152	R
Exhaust Valve	EV95153	R
Valve Stem Seal	VSK2124	R
Oil Seals	OS349	R
Glow Plugs	LP068	R

Cross References

Manufacturer	Reference
AMC	908783
Toyota	1110130050
Toyota	1110130080

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH035 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford

For Engines:

GBVAJPF, GBVAJQW, GBVAJQJ, CYRA, CYRB, CYRC, CVRA, CVRB, CVRC, DRRR, DRRB, DRRC, USRA, USRB, ID4

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 29.80MM

Exhaust Valve Head Diameter: 25.80MM

Total Valve Length: 122.20MM/122.20MM

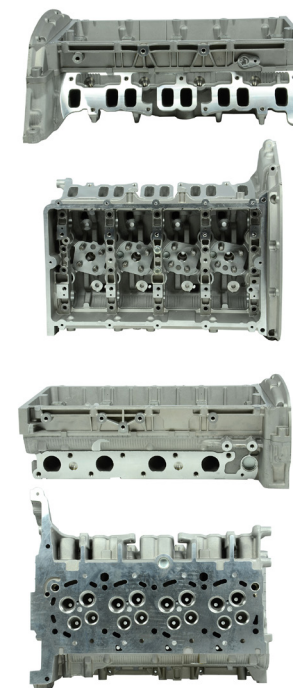
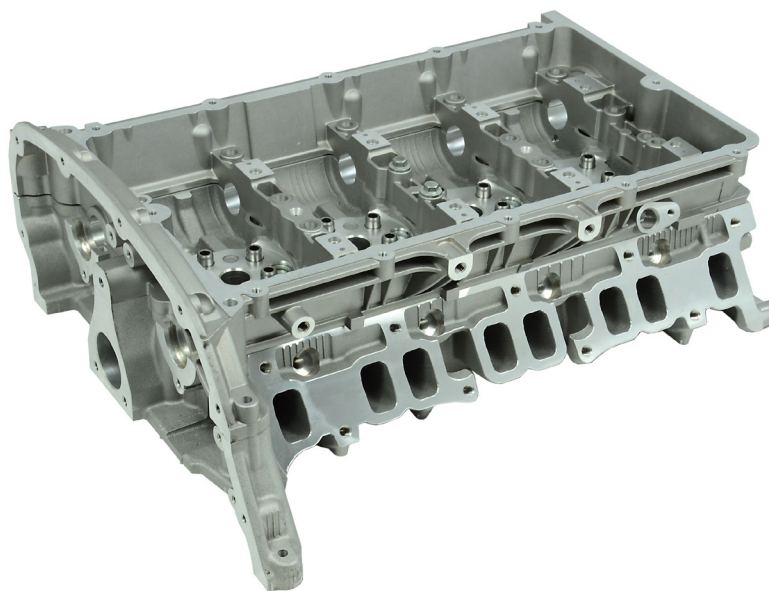
No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

With Camshaft Sensor hole (fig.1)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1653B(T), HG1652B(T)	R, W
Head Set	HS1468NH	R
Head Bolts	B1446	R
Rocker Cover Gasket	RC1452S	R
Intake Manifold Gasket	IM1002	R
Exhaust Manifold Gasket	EM1002	R

Product	Part Number	Notes
Inlet Valve	IV181018	R
Exhaust Valve	EV181019	R
Valve Stem Seal	VSK1002	R
Glow Plugs	LP161	R

Cross References	
Manufacturer	Reference
Ford	1740110
Ford	1897087
Ford	BK3Q-6049-AC
Ford	BK3Q-6090-AC



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH036 Bare Cylinder Head

Product Information

For Vehicle Makes:

Subaru/Suzuki

For Engines:

G13BB, G13B, G16B

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 29.20MM

Exhaust Valve Head Diameter: 25.00MM

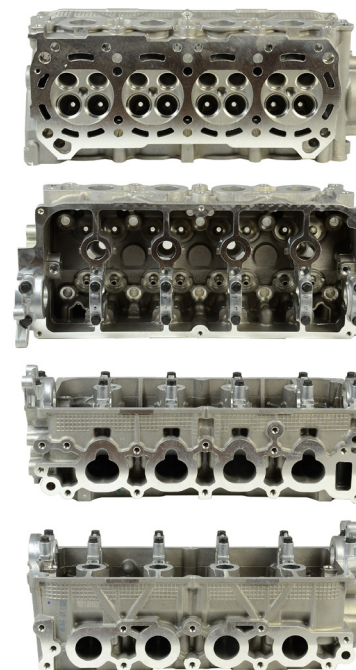
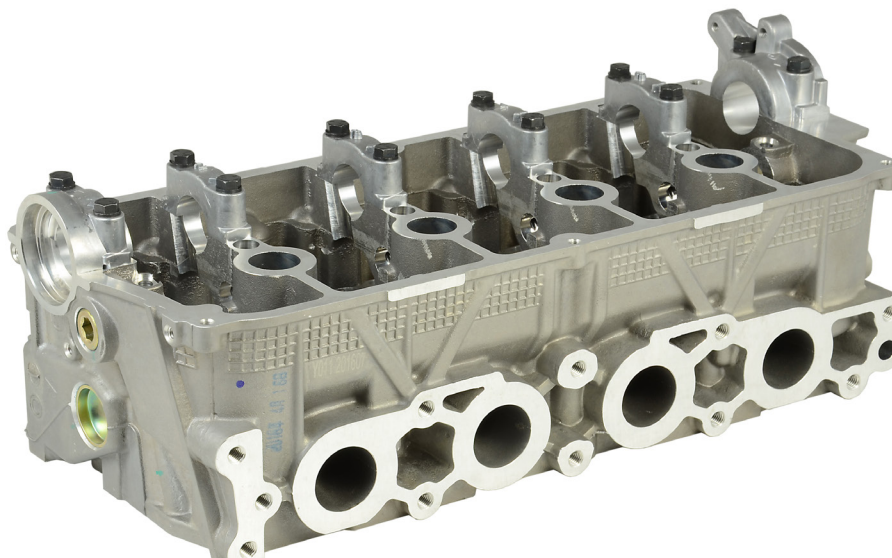
Total Valve Length: 92.20MM/79.80MM

No. Valves Required: 16

No. Camshafts Required: 1

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1208	R
Head Set	HS1208	R
Rocker Cover Gasket	RC1208S, RC1208SK	R, W
Intake Manifold Gasket	IM1208	R
Exhaust Manifold Gasket	EM1208	R
Inlet Valve	IV711001	R

Product	Part Number	Notes
Exhaust Valve	EV711002	R
Valve Stem Seal	VSK951	R
Oil Seals	OS336	R

Cross References	
Manufacturer	Reference
Suzuki	11100-52G01
Suzuki	11100-57B02
Suzuki	11100-71C01
Suzuki	11100-71C01

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH037 Bare Cylinder Head

Product Information

For Vehicle Makes:

Nissan

For Engines:

YD25DDTi

Parts Included:

Manifold Studs, Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 28.00MM

Exhaust Valve Head Diameter: 26.00MM

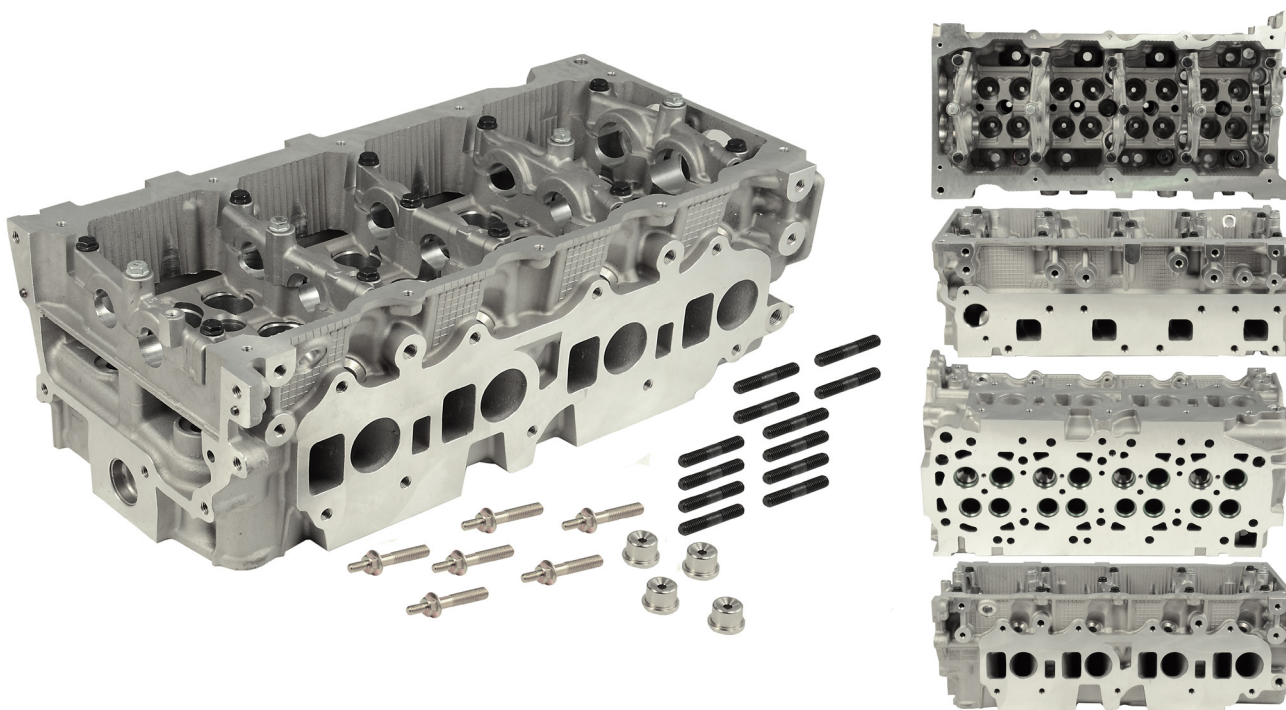
Total Valve Length: 106.35MM/106.75MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Only For Production Year 01/2010 Onwards



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1827E(T), HG2239E(T)	R, W	Inlet Valve	IV94710	R,
Head Set	See Website Catalogue	R, W	Exhaust Valve	EV94711	R,
Head Bolts	B1297, B2105, B2239	R, W	Valve Stem Seal	VSK1297	R,
Rocker Cover Gasket	See Website Catalogue	R, W	Valve Guides	BFG015, BFG016	*, W
Intake Manifold Gasket	IM1297, IM2239	R, W	Camshaft	C290, C291, C294, C295	R, W
Exhaust Manifold Gasket	See Website Catalogue	R, W	Rocker Arm/Follower	BFS181S	R

Cross References

Manufacturer	Reference
AMC	908527
Nissan	110405X00A



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH038 Bare Cylinder Head

Product Information

For Vehicle Makes:
Isuzu/Opel/Vauxhall

For Engines:
4JG2, 4JG2T, 4JG2TC

Parts Included:
Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 41.00MM

Exhaust Valve Head Diameter: 35.00MM

Total Valve Length:

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:
Crescent Shaped Pre-Combustion Chamber (fig.1)

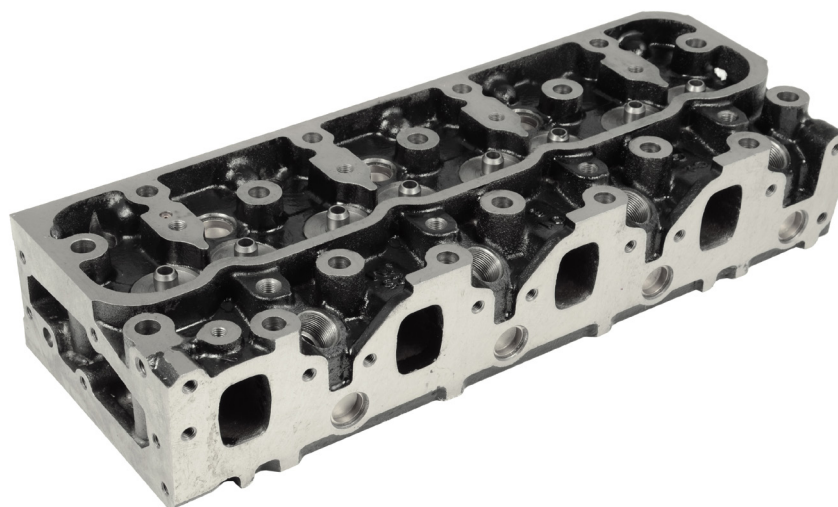
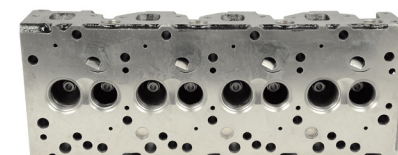
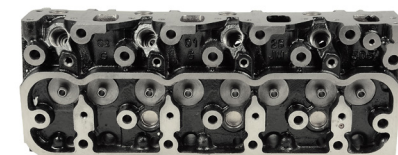
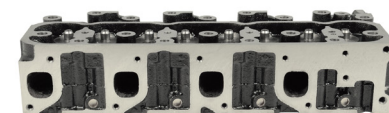
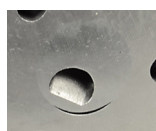


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG921	R
Head Set	HS921	R
Head Bolts	B1039	R
Rocker Cover Gasket	RC921S	R
Valve Stem Seal	VSK331	R
Oil Seals	OS267	R

Product	Part Number	Notes
Glow Plugs	LP025	R

Cross References	
Manufacturer	Reference
Isuzu	8-97086-338-2
Isuzu	8-97086-338-4

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH039 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mercedes-Benz

For Engines:

OM 611.980, OM 611.981, OM 611.987

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 30.10MM

Exhaust Valve Head Diameter: 28.40MM

Total Valve Length: 104.00MM, 104.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

With 2 Identification Drill Holes (fig.1)

Alternative Version BCH040, BCH043

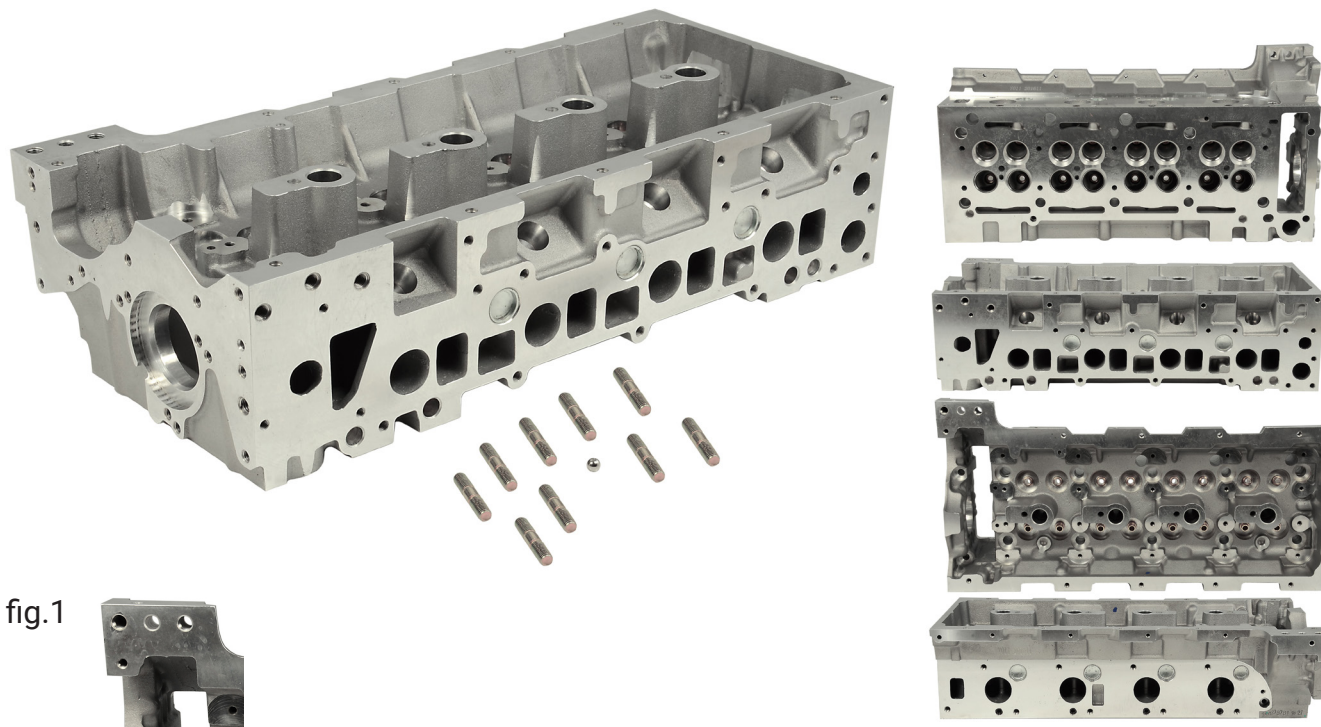


fig.1

Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG864	R
Head Set	HS864	R
Head Bolts	B1107	R
Rocker Cover Gasket	RC864S	R
Intake Manifold Gasket	IM864	R
Exhaust Manifold Gasket	EM864	R

Product	Part Number	Notes
Inlet Valve	IV94398	R
Exhaust Valve	EV94399	R
Valve Stem Seal	VSK801	R
Glow Plugs	LP055	R

Cross References

Manufacturer	Reference
AMC	908572
Mercedes-Benz	6110102320
Mercedes-Benz	6110104420
Mercedes-Benz	6110105420



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH040 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mercedes-Benz

For Engines:

OM 611.960, OM 611.961

Parts Included:

Valve Guides, Manifold Studs, Plug for Water Hole

Technical Specifications

Inlet Valve Head Diameter: 30.10MM

Exhaust Valve Head Diameter: 28.40MM

Total Valve Length: 104.10MM, 104.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Without Identification Holes (fig.1), Up to Engine No -> 30128575/40068033, Alternative Version BCH039, BCH043

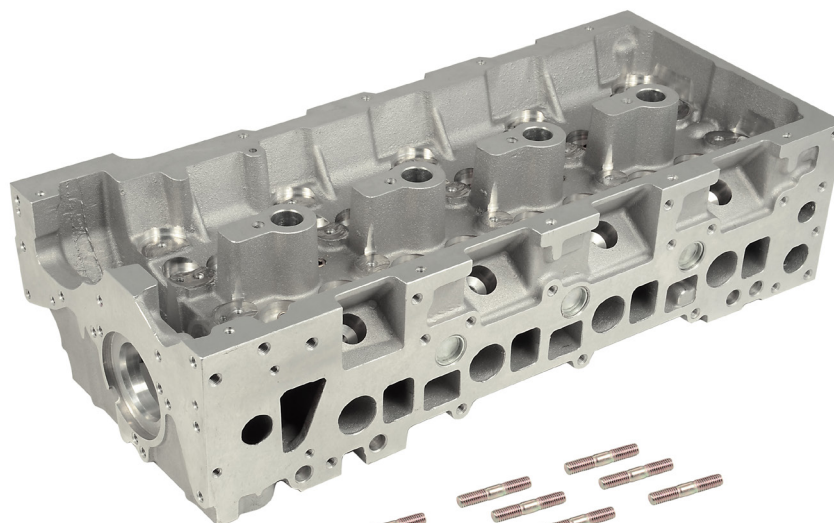
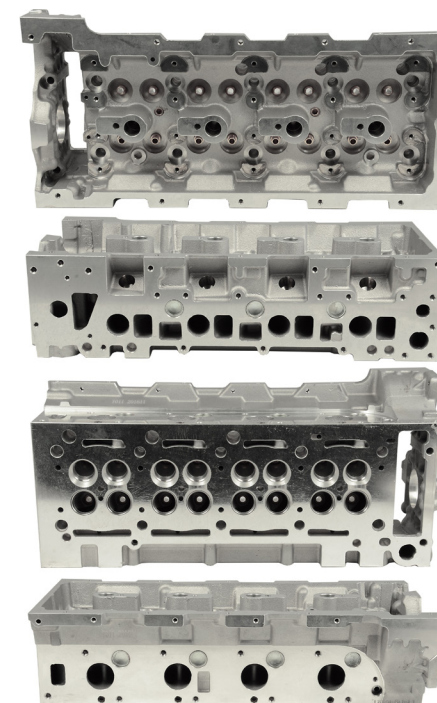


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG864	R
Head Set	HS864	R
Head Bolts	B1107	R
Rocker Cover Gasket	RC864S	R
Intake Manifold Gasket	IM864	R
Exhaust Manifold Gasket	EM864	R

Product	Part Number	Notes
Inlet Valve	IV94398	R
Exhaust Valve	EV94399	R
Valve Stem Seal	VSK801, VSK1037	R, W
Rocker Arm/Follower	BFS105, BFS105S	R, W
Glow Plugs	LP055	R

Cross References

Manufacturer	Reference
AMC	908573
Mercedes-Benz	A6110100920

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH041 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mercedes-Benz

For Engines:

OM611.962, OM646.951, OM646.961, OM646.962, OM646.963, OM646.966, OM646.980

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 28.70MM

Exhaust Valve Head Diameter: 26.20MM

Total Valve Length: 104.10MM, 104.50MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Without Identification Holes (fig.1)

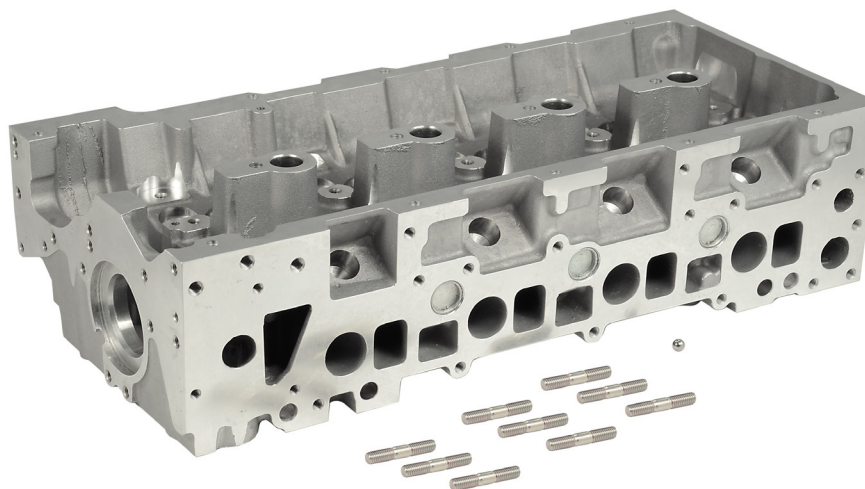
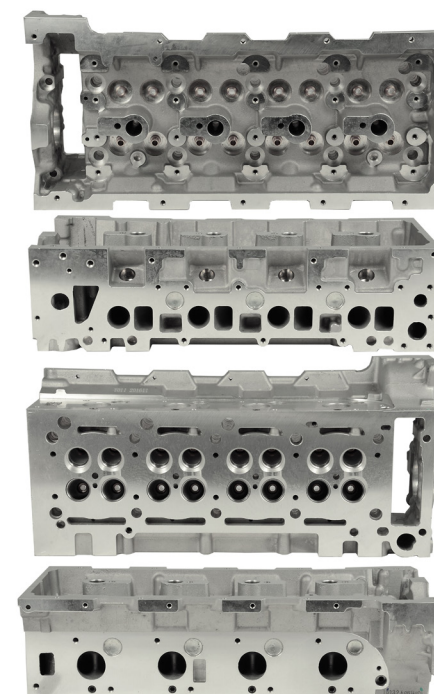


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG864	R	Inlet Valve	IV95114	R
Head Set	HS864	R	Exhaust Valve	EV95115	R
Head Bolts	B1107	R	Valve Stem Seal	VSK801	R
Rocker Cover Gasket	RC864S	R	Valve Guides	BFG043	R
Intake Manifold Gasket	IM864	R	Rocker Arm/Follower	BFS105, BFS105S	R, W
Exhaust Manifold Gasket	EM864	R	Glow Plugs	LP055	R

Cross References

Manufacturer	Reference
AMC	908574
Mercedes-Benz	6110105020
Mercedes-Benz	6460100620
Mercedes-Benz	6460101020



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH042 Bare Cylinder Head

Product Information

For Vehicle Makes:
Mercedes-Benz/Jeep

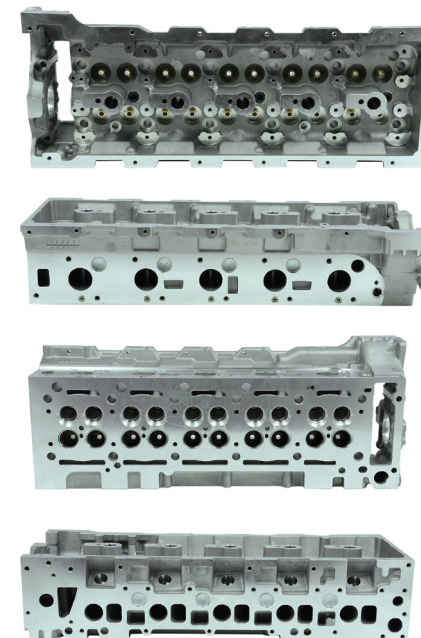
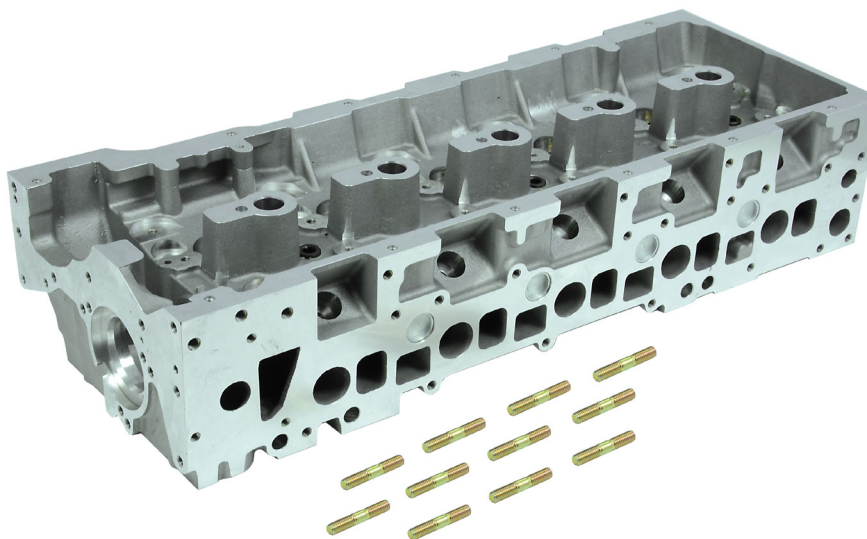
For Engines:
ENF, OM 612.961, OM 612.962, OM 612.963, OM 612.965,
OM 612.967

Parts Included:
Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter:	30.10MM
Exhaust Valve Head Diameter:	28.40MM
Total Valve Length:	104.00MM, 104.40MM
No. Valves Required:	20
No. Camshafts Required:	2

Important Notes:
See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1130	R	Inlet Valve	IV94398	R
Head Set	HS1130	R	Exhaust Valve	EV94399	R
Head Bolts	B1108	R	Valve Stem Seal	VSK1130	R
Rocker Cover Gasket	RC1130S	R	Rocker Arm/Follower	BFS105, BFS105S	R, W
Intake Manifold Gasket	IM1130, IM1130A	R, W	Glow Plugs	LP055	R
Exhaust Manifold Gasket	EM1130	R			

Cross References

Manufacturer	Reference
AMC	908575
Mercedes-Benz	6120102320

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH043 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mercedes-Benz

For Engines:

OM 611.960, OM 611.961, OM 611.962, OM 611.981, OM 646.962, OM 646.963

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 30.10MM

Exhaust Valve Head Diameter: 28.40MM

Total Valve Length: 104.00MM, 104.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Without Identification Holes (fig.1), from Engine No 30128576/40068034 ->, Alternative Version BCH039, BCH040, Coolant Hole Diameter 18MM

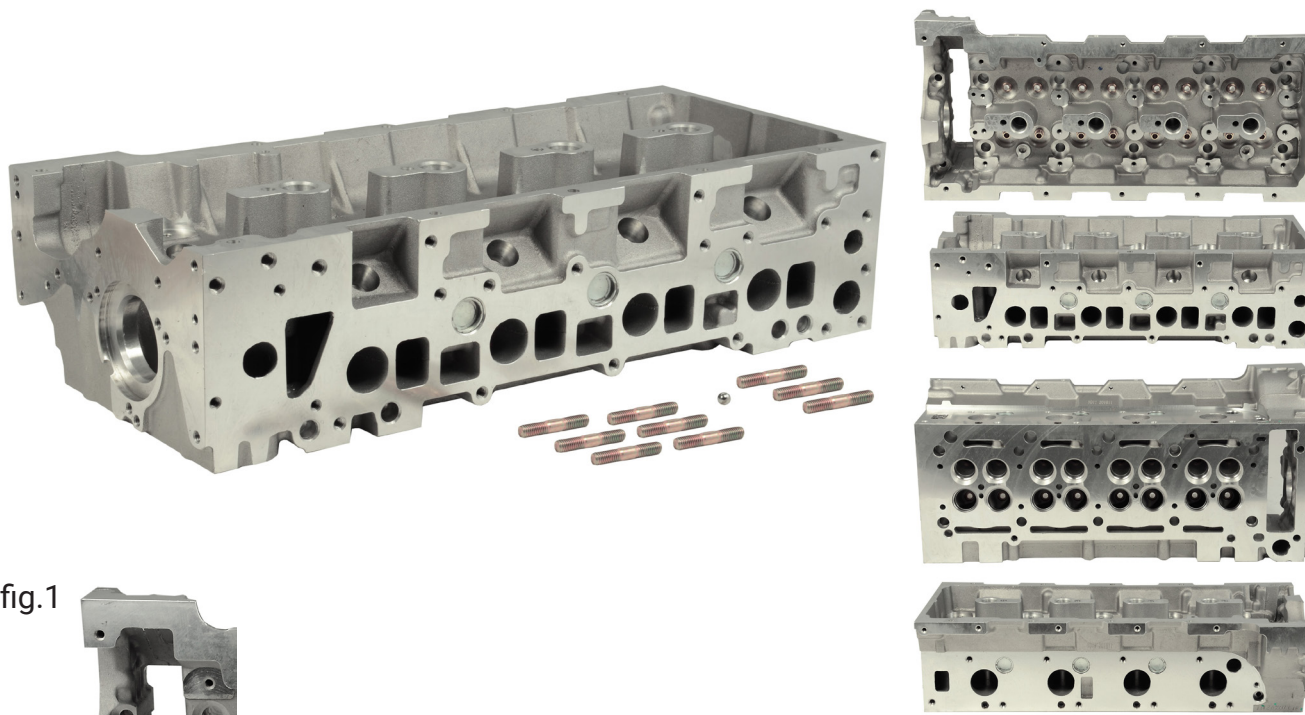


fig.1

Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG864	R
Head Set	HS864	R
Head Bolts	B1107	R
Rocker Cover Gasket	RC864S	R
Intake Manifold Gasket	IM864, IM864A	R, W
Exhaust Manifold Gasket	EM864	R

Product	Part Number	Notes
Inlet Valve	IV94398	R
Exhaust Valve	EV94399	R
Valve Stem Seal	VSK801, VSK864	R, W
Rocker Arm/Follower	BFS105, BFS105S	R, W
Glow Plugs	LP055	R

Cross References

Manufacturer	Reference
AMC	908577
Mercedes-Benz	6110103620



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH044 Bare Cylinder Head

Product Information

For Vehicle Makes:
Hyundai/Kia/Mitsubishi

For Engines:
4D56, 4D56 T, D4BA, D4BH, D4BX

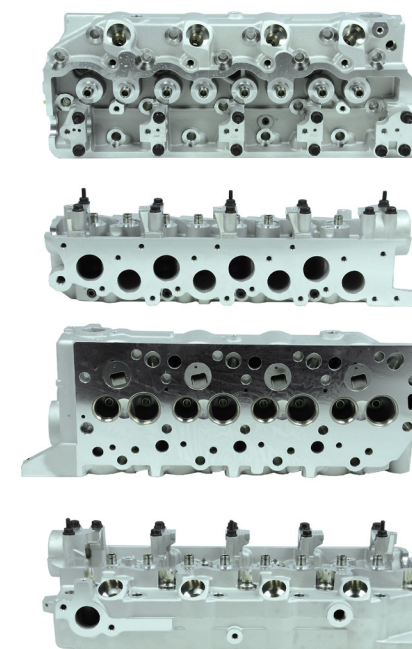
Parts Included:
Valve Guides, Manifold Studs, Coolant Pipe Connector.

Technical Specifications

Inlet Valve Head Diameter:	40.00MM
Exhaust Valve Head Diameter:	34.00MM
Total Valve Length:	136.50MM
No. Valves Required:	8
No. Camshafts Required:	1

Important Notes:
Rectangular Pre-Chamber (fig.1), Protruding Valves Design,
Alternative Version BCH001, CCH001

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	See Website Catalogue	R, W	Inlet Valve	IV3841	R
Head Set	HS1823NH, HS654	R, W	Exhaust Valve	EV3840	R
Head Bolts	B1046	R	Valve Stem Seal	VSK328	R
Rocker Cover Gasket	RC375S	R	Camshaft	C217	R
Intake Manifold Gasket	EM375, EM1823	R, W	Rocker Arm/Follower	R966S, R967S	R, W
Exhaust Manifold Gasket	EM375, EM1823	R, W	Oil Seals	OS242	R

Cross References

Manufacturer	Reference
AMC	908512
Hyundai/Kia	22100-42201
Hyundai/Kia	22100-42210
Hyundai/Kia	22100-42400

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH045 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mitsubishi

For Engines:

4M42-0AT, 4M42-3AT1, 4M42-3AT4

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 30.00MM

Exhaust Valve Head Diameter: 28.00MM

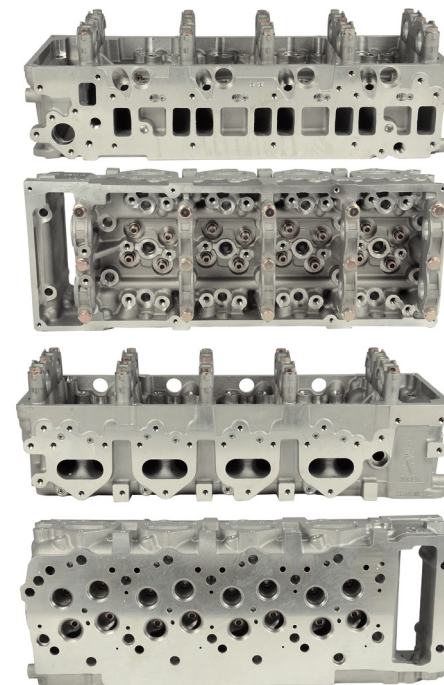
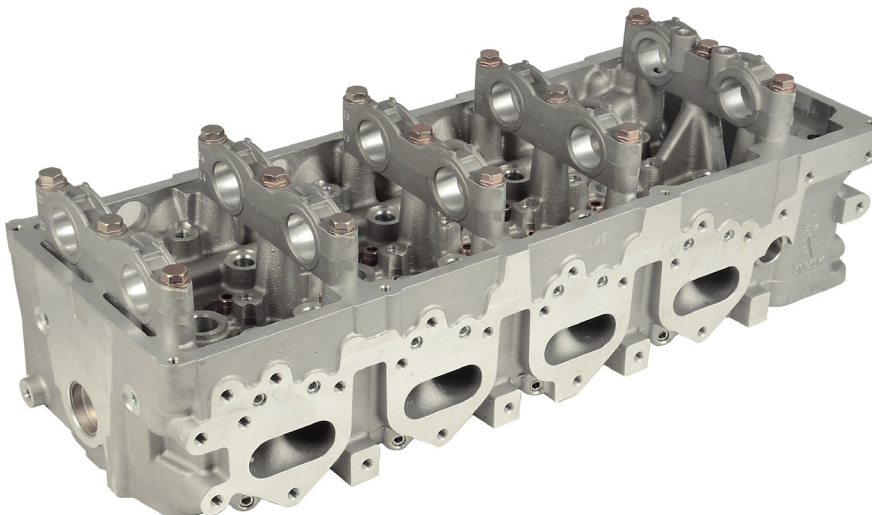
Total Valve Length: 115.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Direct Injection Engines Only.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG2258(T)	R
Head Set	HS2258NH	R
Camshaft (inlet)	C288	R
Camshaft (exhaust)	C289	R

Cross References

Manufacturer	Reference
AMC	908517
Mitsubishi	1005B326
Mitsubishi	ME194766
Mitsubishi	ME194790



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH046 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mitsubishi

For Engines:

4M41

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 33.00MM

Exhaust Valve Head Diameter: 31.00MM

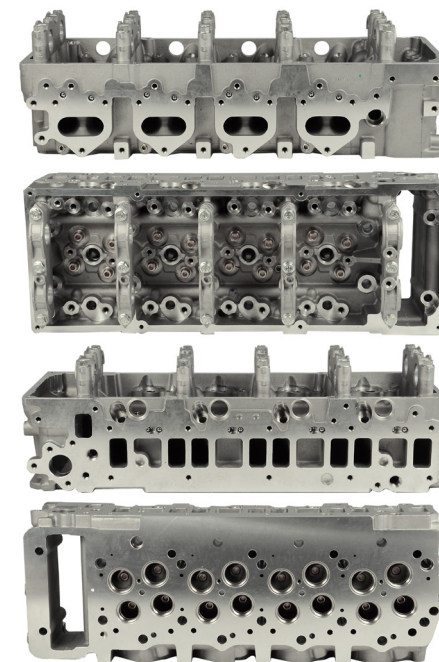
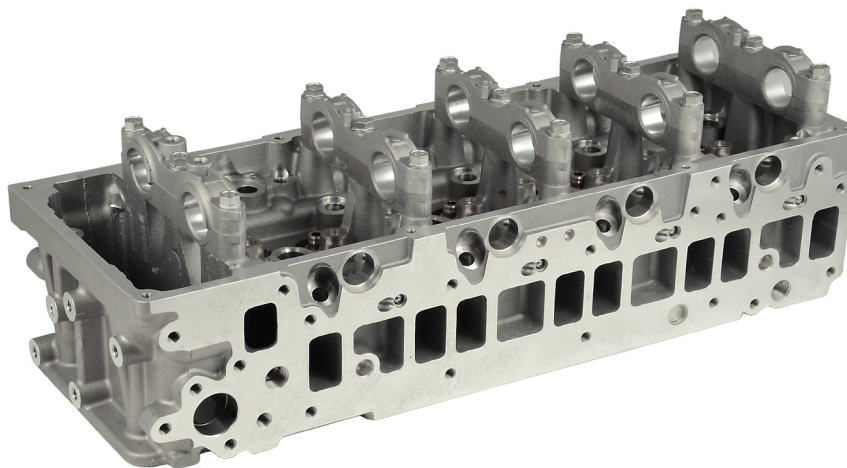
Total Valve Length: 115.50MM, 115.40MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Direct Injection Engines Only.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1539C(T)	R	Inlet Valve	IV95032	R
Head Set	HS1539NH	R	Exhaust Valve	EV95033	R
Head Bolts	B1539	R	Valve Stem Seal	VSK646	R
Rocker Cover Gasket	RC1539S	R	Valve Guides	BFG014	*
Intake Manifold Gasket	IM1539	R	Camshaft	C288, C289	R
Exhaust Manifold Gasket	EM1539	R	Rocker Arm/Follower	R192S	R

Cross References

Manufacturer Reference

AMC	908518
Mitsubishi	ME204200

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH047 Bare Cylinder Head

Product Information

For Vehicle Makes:
Opel/Vauxhall

For Engines:
Y17DT, Y17 DTL

Parts Included:
Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 27.50MM

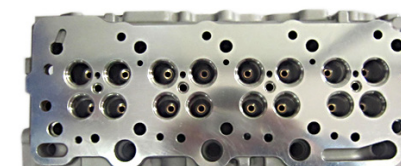
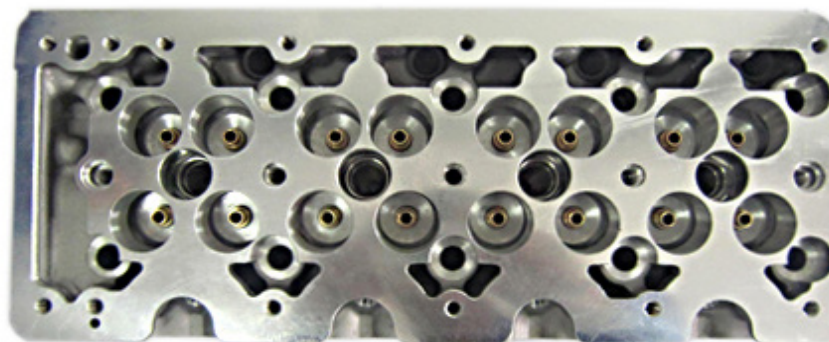
Exhaust Valve Head Diameter: 26.50MM

Total Valve Length: 98.50MM, 98.10MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:
For Non CRD Engines



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG895	R
Head Set	HS895	R
Head Bolts	B618	R
Rocker Cover Gasket	RC895S, RC895AS	R
Intake Manifold Gasket	IM895	R
Exhaust Manifold Gasket	EM895	R

Product	Part Number	Notes
Inlet Valve	IV291030	R
Exhaust Valve	EV291031	R
Valve Stem Seal	VSK1006	R
Camshaft	C237, C238	R
Rocker Arm/Follower	BFS157, BFS157S	R
Oil Seals	OS895	R

Cross References	
Manufacturer	Reference
AMC	908554
Opel/Vauxhall	5607076
Opel/Vauxhall	5607150
Opel/Vauxhall	607155



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH048 Bare Cylinder Head

Product Information

For Vehicle Makes:

Toyota

For Engines:

3L

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 42.50MM

Exhaust Valve Head Diameter: 36.10MM

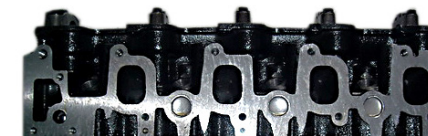
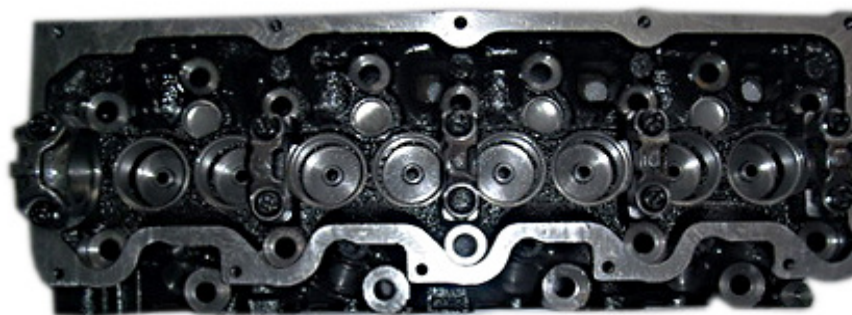
Total Valve Length: 103.5MM, 103.3MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Identification Hole 7MM



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG906A(T)	R
Head Set	HS1277NH	R
Head Bolts	B1027	R
Rocker Cover Gasket	RC905S	R
Valve Stem Seal	VSK682	R
Oil Seals	OS349	R

Product	Part Number	Notes
Inlet Valve	IV4291	R
Exhaust Valve	EV4292	R

Cross References

Manufacturer	Reference
AMC	909053
Toyota	11101-54130
Toyota	11101-54131

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH049 Bare Cylinder Head

Product Information

For Vehicle Makes:
Toyota/VW

For Engines:
2L

Parts Included:
Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 42.50MM

Exhaust Valve Head Diameter: 36.10MM

Total Valve Length: 103.5MM, 103.3MM

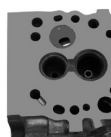
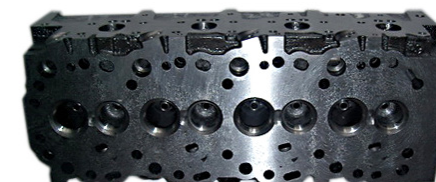
No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Identification Hole 7MM, with Camshaft Lubrication Groove (fig.1) (See BCH013 for version: Without groove for Camshaft Lubrication)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG366, HG905	W, R	Inlet Valve	IV4291	R
Head Set	HS1246, HS366, HS905	W, R	Exhaust Valve	EV4292	R
Head Bolts	B1027	R	Valve Stem Seal	VSK366, VSK682	W, R
Rocker Cover Gasket	RC366S, RC905S	W, R	Camshaft	C322	R
Intake Manifold Gasket	IM905	R	Oil Seals	OS344, OS349	W, R
Exhaust Manifold Gasket	EM905, DP325	W, R	Glow Plugs	LP081	R

Cross References

Manufacturer	Reference
AMC	909055
Toyota	11101-54111
Volkswagen	J1110154111



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH050 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Seat/Skoda/VW

For Engines:

AEY, AFN, AGP, AGR, AHF, AHU, ALE, ALH, AQM, ASK, ASV, ASY, AYQ

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 36.00MM

Exhaust Valve Head Diameter: 31.50MM

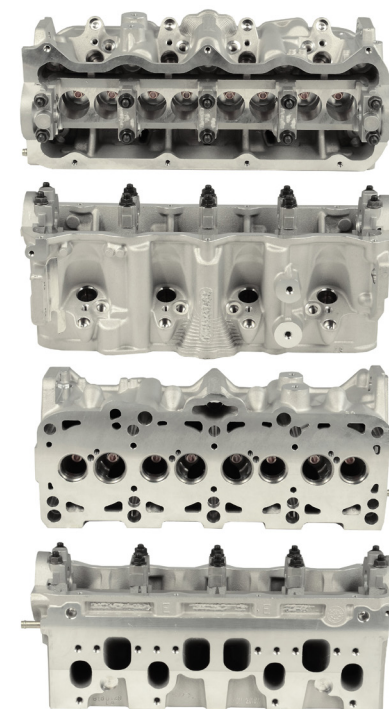
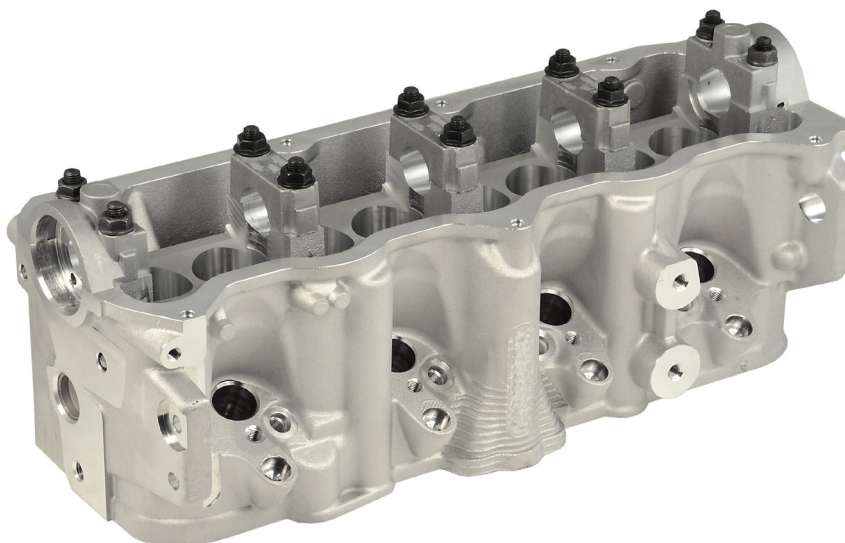
Total Valve Length: See web Catalogue

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

For Vehicles with Hydraulic Followers/Lifters, Alternative Version BCH028



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG537, HG538, HG539	R, W	Exhaust Valve	EV39503, EV94410	R, W
Head Set	HS537NH, HS1021NH	R, W	Valve Stem Seal	VSK238, VSK865	R, W
Head Bolts	B068	R	Valve Guides	See Website Catalogue	R, W
Rocker Cover Gasket	RC537S	R	Camshaft	C305	R
Intake Manifold Gasket	IM534	R	Camshaft Bearings	EB5009LCSTD	R
Exhaust Manifold Gasket	EM297	R	Rocker Arm/Follower	BFS66, BFS66S	R, W
Inlet Valve	IV39502, IV94409	R, W	Oil Seals	OS534	R

Cross References

Manufacturer	Reference
AMC	908703
VAG	038 103 351 B
VAG	038 103 351 X
VAG	038 103 373 E

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH051 Bare Cylinder Head

Product Information

For Vehicle Makes:
Opel/Renault/Vauxhall

For Engines:
F8Q 600, F8Q 606, F8Q 622, F8Q 630, F8Q 632, F8Q 662,
F8Q 676, F8Q 696, F8Q 714, F8Q 790

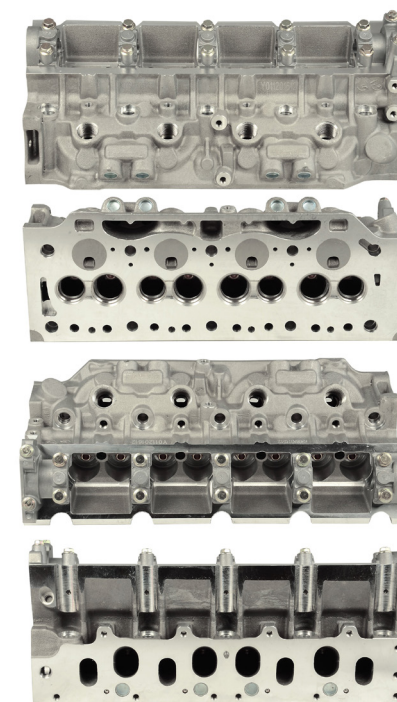
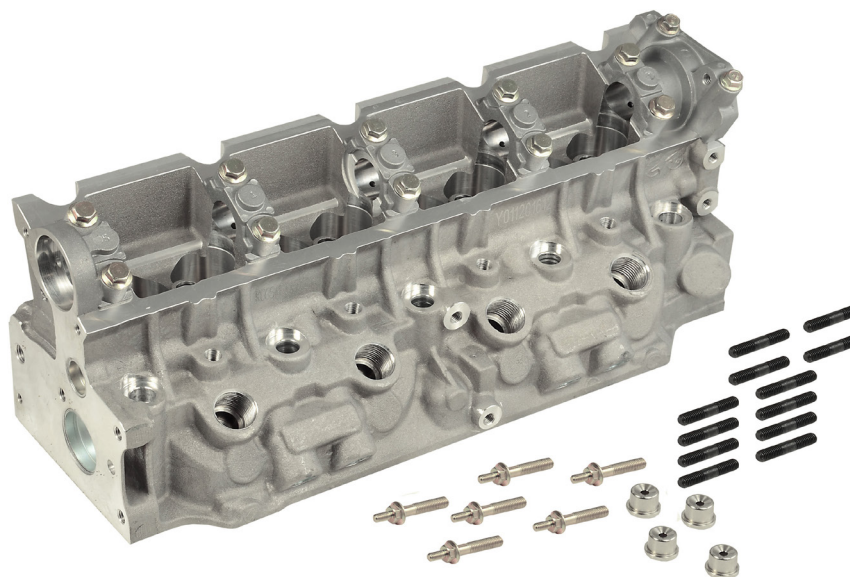
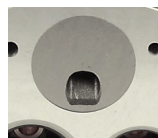
Parts Included:
Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter:	35.00MM
Exhaust Valve Head Diameter:	31.30MM
Total Valve Length:	110.00MM, 109.80MM
No. Valves Required:	8
No. Camshafts Required:	1

Important Notes:
Circular Pre-Combustion Chamber (fig.1)

fig.1



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG780, HG781, HG782, HG1401B(T)	R, W	Intake Manifold Gasket	See Website Catalogue	R
Head Set	HS212, HS508NH, HS780NH	R, W	Inlet Valve	IV69369	R
Head Bolts	B425, B1401	R, W	Exhaust Valve	EV69373	R
Rocker Cover Gasket	RC507S	R	Valve Stem Seal	VSK501	R
Exhaust Manifold Gasket	EM507	R	Oil Seals	OS750, OS752	R, W
			Glow Plugs	LP050, LP062	R, W

Cross References

Manufacturer	Reference
AMC	908098
Opel/Vauxhall	4400196
Opel/Vauxhall	4403885
Renault	7701471013



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH052 Bare Cylinder Head

Product Information

For Vehicle Makes:

Bmw/Mini/Peugeot/Citroen

For Engines:

N13 B16 A, N14 B16 C, N18 B16 C, EP6DT, EP6CDT, EP6DTS, EP6DTX

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 28.80MM

Exhaust Valve Head Diameter: 26.20MM

Total Valve Length: 105.75MM, 110.14MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Check Oil Gallery Design (fig.1)

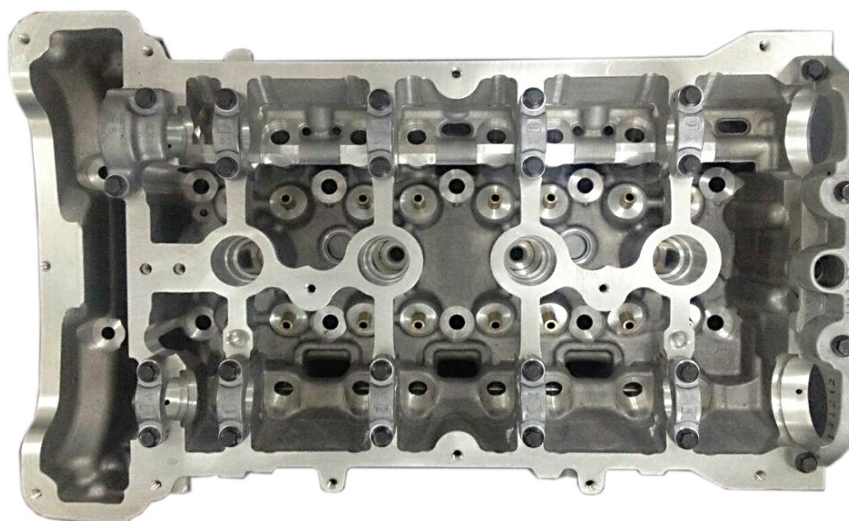
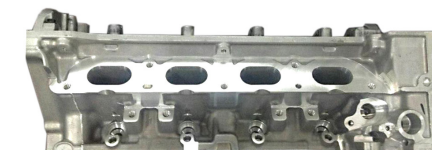
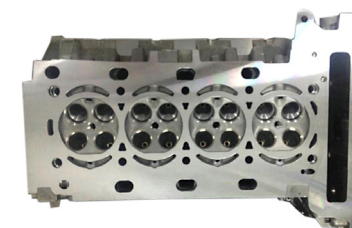


fig.1



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG1475	R
Head Set	HS1475	R
Head Bolts	B1460	R
Rocker Cover Gasket	RC1461SK	R
Intake Manifold Gasket	IM1475K	R
Exhaust Manifold Gasket	EM1475	R

Product	Part Number	Notes
Inlet Valve	IV95173	R
Exhaust Valve	EV95174	R
Valve Stem Seal	VSK1475	R
Rocker Arm/Follower	R973S, BFS322S, BFS323S	R, W

Cross References

Manufacturer	Reference
Citroen/Peugeot	967836981A
Citroen/Peugeot	981239288A
Citroen/Peugeot	9806024610

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH053 Bare Cylinder Head

Product Information

For Vehicle Makes:

Ford/Mazda

For Engines:

SEWA, SEBA

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 35.00MM

Exhaust Valve Head Diameter: 30.00MM

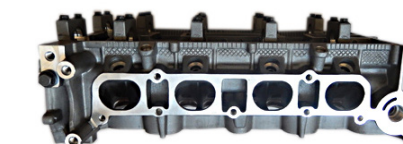
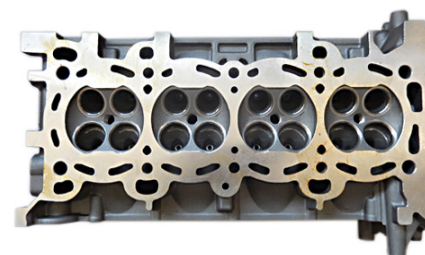
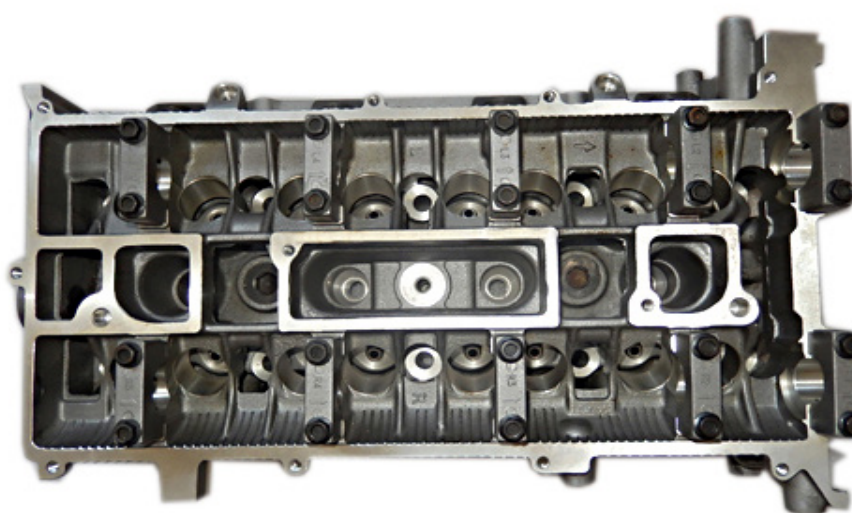
Total Valve Length: 103.40MM, 104.60MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG2103	R
Head Set	HS1079NH	R
Head Bolts	B1140	R
Rocker Cover Gasket	RC1079S	R
Intake Manifold Gasket	IM1078	R
Exhaust Manifold Gasket	EM1078	R

Product	Part Number	Notes
Valve Stem Seal	VSK1078	R

Cross References	
Manufacturer	Reference
Ford	4689001
Mazda	L30910090B
Mazda	L30910090C



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH054 Bare Cylinder Head

Product Information

For Vehicle Makes:

Landrover/Rover/Lotus/MG

For Engines:

18K18, 18K4F, 18K4K, 18K4G, 18K16

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 31.60MM

Exhaust Valve Head Diameter: 27.40MM

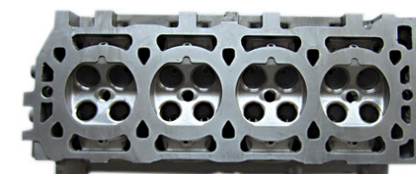
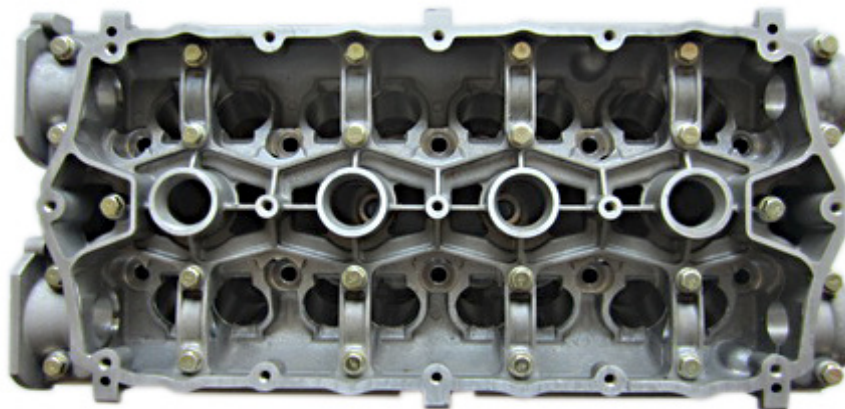
Total Valve Length: 89.60MM, 90.00MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

For Non-VVC Engines.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG512, HG1391	R, W	Inlet Valve	IV801003	R
Head Set	See Website Catalogue	R, W	Exhaust Valve	EV801004	R
Head Bolts	B292	R	Valve Stem Seal	VSK513	R
Rocker Cover Gasket	RC853S	R	Valve Guides	BFG92309, BFG92316	R, W
Intake Manifold Gasket	IM513, IM889	R, W	Rocker Arm/Follower	BFS77, BFS77S	R, W
Exhaust Manifold Gasket	EM513, EM1199	R, W	Oil Seals	See Website Catalogue	R, W

Cross References

Manufacturer	Reference
Landrover	LDF109390
Rover	18K4FJ31153993
Rover	18K4FJ32147263

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH055 Bare Cylinder Head

Product Information

For Vehicle Makes:
Hyundai

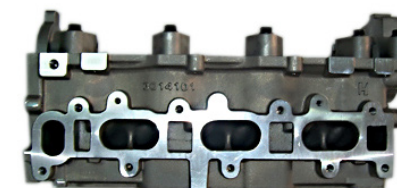
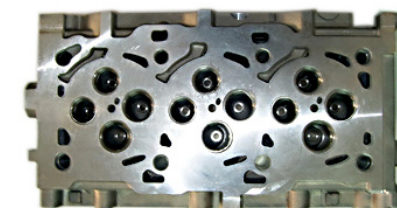
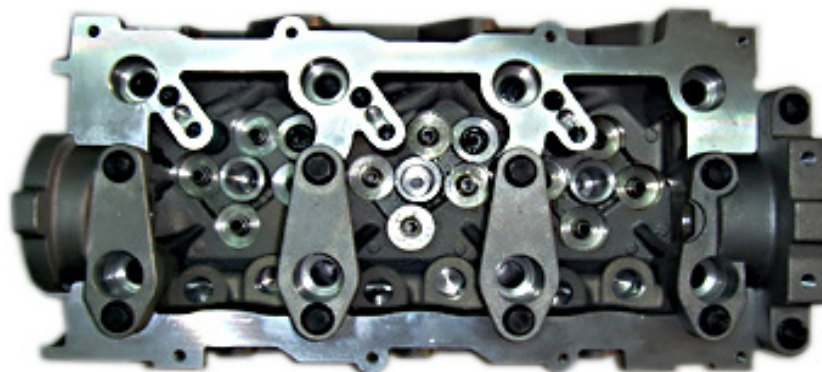
For Engines:
D3EA

Parts Included:
Valve Guides

Technical Specifications

Inlet Valve Head Diameter:	28.50MM
Exhaust Valve Head Diameter:	24.40MM
Total Valve Length:	95.70MM, 95.40MM
No. Valves Required:	12
No. Camshafts Required:	1

Important Notes:
See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1517	R	Exhaust Valve	EV95017	R
Head Set	HS1517	R	Valve Stem Seal	VSK1517	R
Head Bolts	B2170	R	Valve Guides	BFG007	R
Intake Manifold Gasket	IM1517	R	Rocker Arm/Follower	See Website Catalogue	R, W
Exhaust Manifold Gasket	EM1517	R	Oil Seals	OS1517	R
Inlet Valve	IV95016	R	Glow Plugs	LP086	R

Cross References

Manufacturer	Reference
Hyundai	22100-27500
Hyundai	22100-27501
Hyundai	22111-27501



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH056 Bare Cylinder Head

Product Information

For Vehicle Makes:

Hyundai/Kia

For Engines:

D4FA

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 28.50MM

Exhaust Valve Head Diameter: 24.40MM

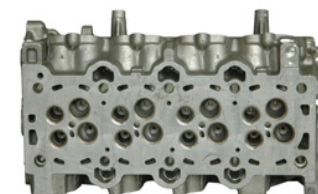
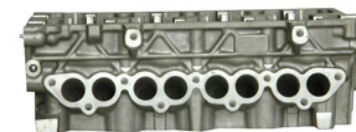
Total Valve Length: 95.40MM, 95.70MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG2183B(T)	R	Inlet Valve	IV95016	R
Head Set	HS2172NH	R	Exhaust Valve	EV95017	R
Head Bolts	B2170, B2178	R, W	Valve Stem Seal	VSK1517, VSK2172	R, W
Rocker Cover Gasket	RC2172S	R	Rocker Arm/Follower	BFS148, BFS148S	R, W
Intake Manifold Gasket	IM2172	R	Oil Seals	OS958	R
Exhaust Manifold Gasket	EM2172	R	Glow Plugs	LP086	R

Cross References

Manufacturer	Reference
Hyundai/Kia	22100-2A000
Hyundai/Kia	22100-2A001
Hyundai/Kia	22100-2A050
Hyundai/Kia	22100-2A300

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH057 Bare Cylinder Head

Product Information

For Vehicle Makes:

Audi/Seat/Skoda/VW

For Engines:

ALZ, BFS, BSE, BGU

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 39.50MM

Exhaust Valve Head Diameter: 32.90MM

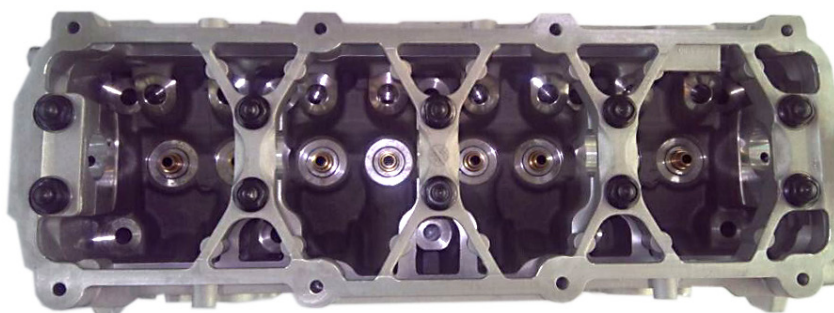
Total Valve Length: 93.90MM, 94.00MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1009	R	Inlet Valve	IV94424	R
Head Set	HS1651, HS1708, HS1713	R, W	Exhaust Valve	EV94425	R
Head Bolts	B1055	R	Valve Stem Seal	VSK1198	R
Rocker Cover Gasket	RC1198S	R	Valve Guides	BFG96073	R, *
Intake Manifold Gasket	See Webcatalogue	R, W	Rocker Arm/Follower	R216S, BFS148, BFS148S	R, W
Exhaust Manifold Gasket	See Webcatalogue	R, W	Oil Seals	OS446, OS1320	R, W

Cross References

Manufacturer	Reference
AMC	910581
VAG	06B 103 351 F
VAG	06B 103 351 T



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH058 Bare Cylinder Head

Product Information

For Vehicle Makes:

MINI

For Engines:

W10 B16, W11 B16

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 30.30MM

Exhaust Valve Head Diameter: 23.20MM

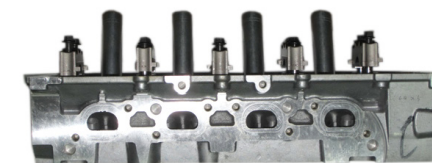
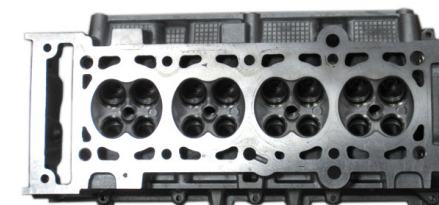
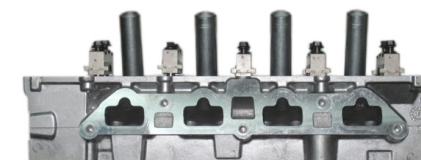
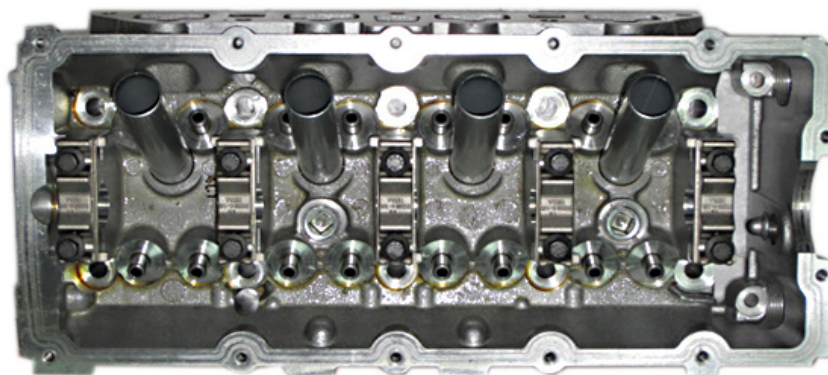
Total Valve Length: 109.50MM, 118.30MM

No. Valves Required: 16

No. Camshafts Required: 1

Important Notes:

See web catalogue for the latest information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1136	R	Inlet Valve	IV94349	R
Head Set	HS1136	R	Exhaust Valve	EV94350	R
Head Bolts	B1136	R	Valve Stem Seal	VSK1136	R
Rocker Cover Gasket	RC1136S	R	Camshaft	C360	R
Intake Manifold Gasket	IM1136, IM1136A	R, W	Rocker Arm/Follower	R976S, R977S, R978S	R, W
Exhaust Manifold Gasket	EM1136	R			

Cross References

Manufacturer	Reference
Mini	11127508536

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH059 Bare Cylinder Head

Product Information

For Vehicle Makes:

Hyundai/Kia

For Engines:

D3FA

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 28.50MM

Exhaust Valve Head Diameter: 24.40MM

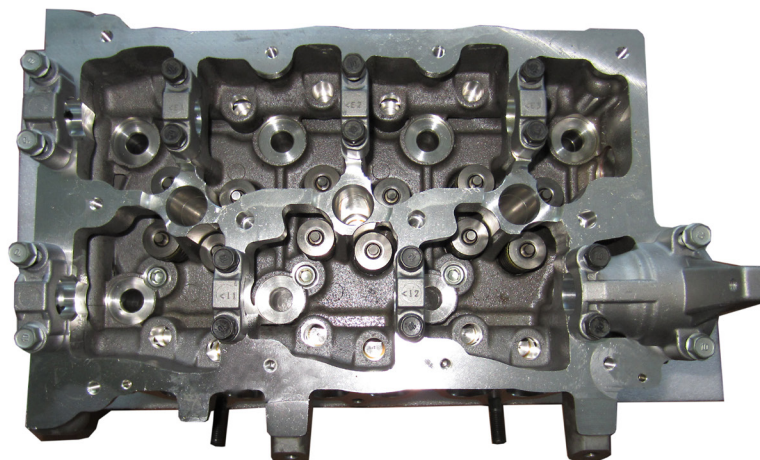
Total Valve Length: 95.40MM, 95.70MM

No. Valves Required: 12

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG2170	R
Head Set	HS2170	R
Head Bolts	B2170	R
Rocker Cover Gasket	RC2170S	R
Intake Manifold Gasket	IM2170	R
Exhaust Manifold Gasket	EM2170	R

Product	Part Number	Notes
Inlet Valve	IV95016	R
Exhaust Valve	EV95017	R
Valve Stem Seal	VSK2170	R
Oil Seals	OS958	R
Glow Plugs	LP113	R

Cross References

Manufacturer	Reference
Hyundai/Kia	22100-2A000
Hyundai/Kia	22001-4XA10
Hyundai/Kia	22100-4X300
Hyundai/Kia	22100-4X500



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH060 Bare Cylinder Head

Product Information

For Vehicle Makes:

VW

For Engines:

BJJ, BJK, BJL, BJM, CEBA, CEBB, CECA, CECB

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 36.00MM

Exhaust Valve Head Diameter: 31.50MM

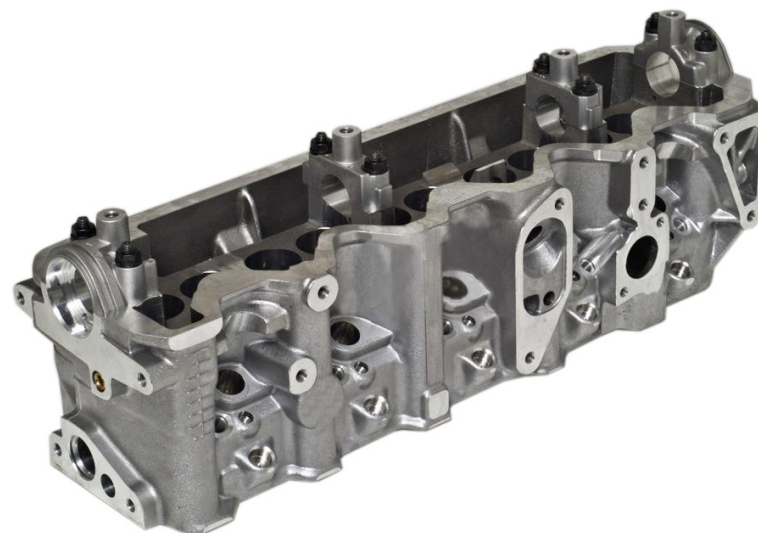
Total Valve Length: 96.80MM, 96.90MM

No. Valves Required: 10

No. Camshafts Required: 1

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1494B(T)	R	Inlet Valve	IV39423	R
Head Set	HS1494NH	R	Exhaust Valve	EV33380	R
Head Bolts	B06812	R	Valve Stem Seal	VSK425	R
Rocker Cover Gasket	RC1328S	R	Valve Guides	BFG3310	R
Intake Manifold Gasket	IM736	R	Camshaft	C231	R
Exhaust Manifold Gasket	EM1494	R	Rocker Arm/Follower	BFS66, BFS66S	R, W

Cross References

Manufacturer	Reference
AMC	908713
VAG	076 103 351 E

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH061 Bare Cylinder Head

Product Information

For Vehicle Makes:
Isuzu/Opel/Vauxhall

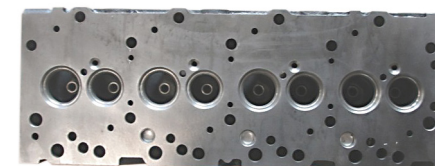
For Engines:
4JB1-TC, 4JB1-T, 28 TDI

Parts Included:
Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter:	40.10MM
Exhaust Valve Head Diameter:	35.70MM
Total Valve Length:	118.00MM, 118.10MM
No. Valves Required:	8
No. Camshafts Required:	1

Important Notes:
See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG977	R
Head Set	HS977	R
Head Bolts	B1039	R
Rocker Cover Gasket	RC921S	R
Exhaust Valve	EV3826	R
Valve Stem Seal	VSK331	R

Product	Part Number	Notes
Oil Seals	OS231, OS267	R, W
Glow Plugs	LP028	R

Cross References	
Manufacturer	Reference
Isuzu	8-94327-269-0
Isuzu	8-94431-523-0
Isuzu	8-94455-240-1
Isuzu	8-97109-642-0



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH062 Bare Cylinder Head

Product Information

For Vehicle Makes:

Mercedes Benz

For Engines:

OM 601.970

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 38.00MM

Exhaust Valve Head Diameter: 35.00MM

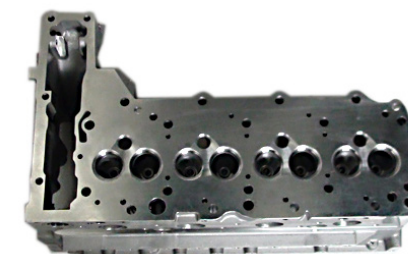
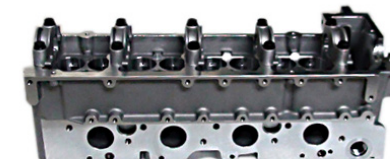
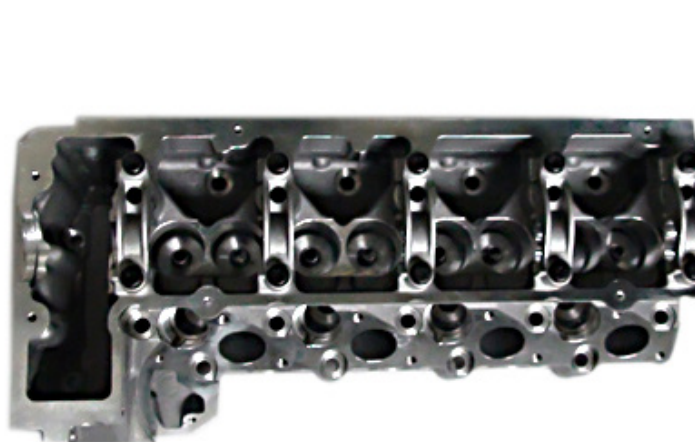
Total Valve Length: 106.40MM, 106.40MM

No. Valves Required: 8

No. Camshafts Required: 1

Important Notes:

Without Pre-Combustion Chambers



Associated Parts in FAI Range

Product	Part Number	Notes
Head Gasket	HG700	R
Head Set	HS701	R
Rocker Cover Gasket	RC492S	R
Intake Manifold Gasket	IM493	R
Exhaust Manifold Gasket	EM493	R
Inlet Valve	IV26024	R

Product	Part Number	Notes
Exhaust Valve	EV26032	R
Valve Stem Seal	VSK493	R
Rocker Arm/Follower	BFS89, BFS89S, BFS525, BFS525S	R, W
Glow Plugs	LP021	R

Cross References

Manufacturer	Reference
AMC	908571
Mercedes-Benz	A6010106120
Mercedes-Benz	A6010105620

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH063 Bare Cylinder Head

Product Information

For Vehicle Makes:

Renault

For Engines:

K4M 700-866, K4J 710-780

Parts Included:

Valve Guides

Technical Specifications

Inlet Valve Head Diameter: 32.70MM

Exhaust Valve Head Diameter: 28.00MM

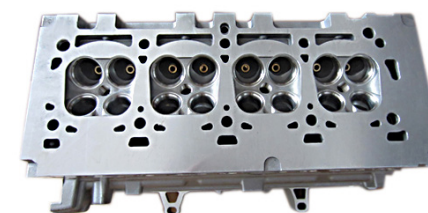
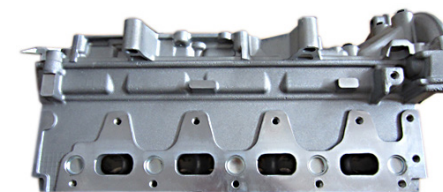
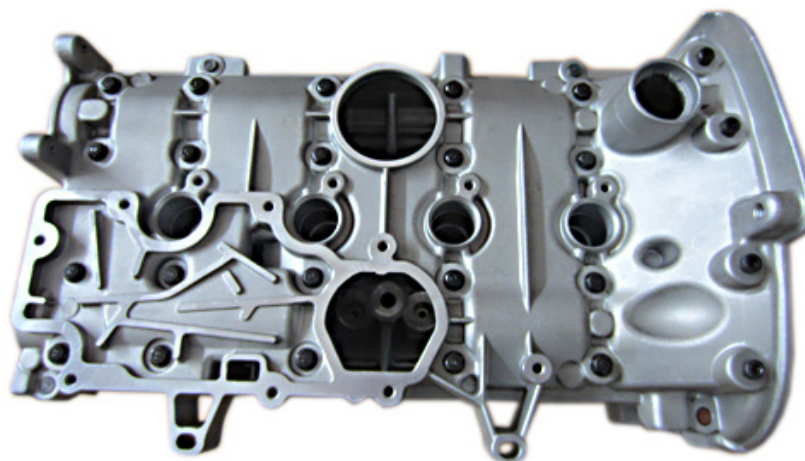
Total Valve Length: 107.50MM, 109.30MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG880	R	Inlet Valve	IV531031	R
Head Set	HS880, HS1434	R, W	Exhaust Valve	EV531032	R
Head Bolts	B1005	R	Valve Stem Seal	VSK880	R
Rocker Cover Gasket	SIL-2, SIL-2DB	R	Valve Guides	BFG9151	R
Intake Manifold Gasket	IM880, IM881, IM1434	R, W	Rocker Arm/Follower	R556S, BFS134, BFS134S	R, W
Exhaust Manifold Gasket	EM880, EM1434	R, W	Oil Seals	RMG880B, RMG880C, OS880, OS1434	R, W

Cross References

Manufacturer Reference

Renault	7701471364
Renault	7701473353
Renault	7711135349
Renault	7701475914



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH064 Bare Cylinder Head

Product Information

For Vehicle Makes:

Toyota

For Engines:

1HD-T

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 42.50MM

Exhaust Valve Head Diameter: 36.10MM

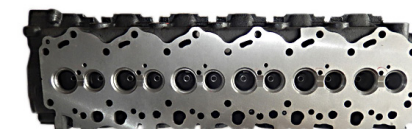
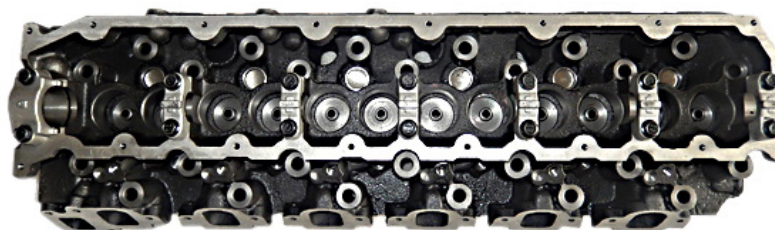
Total Valve Length: 103.30MM, 103.50MM

No. Valves Required: 12

No. Camshafts Required: 1

Important Notes:

See Web Catalogue For The Latest Information.



Associated Parts in FAI Range

Product	Part Number	Notes
Inlet Valve	IV4291	R
Exhaust Valve	EV4292	R
Valve Stem Seal	VSK1266	R
Oil Seals	OS349	R
Glow Plugs	LP009	R

Cross References

Manufacturer	Reference
Toyota	11101-17040

W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH065 Bare Cylinder Head

Product Information

For Vehicle Makes:

Landrover

For Engines:

10 P, 14 P, 15 P, TD5

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 34.70MM

Exhaust Valve Head Diameter: 31.70MM

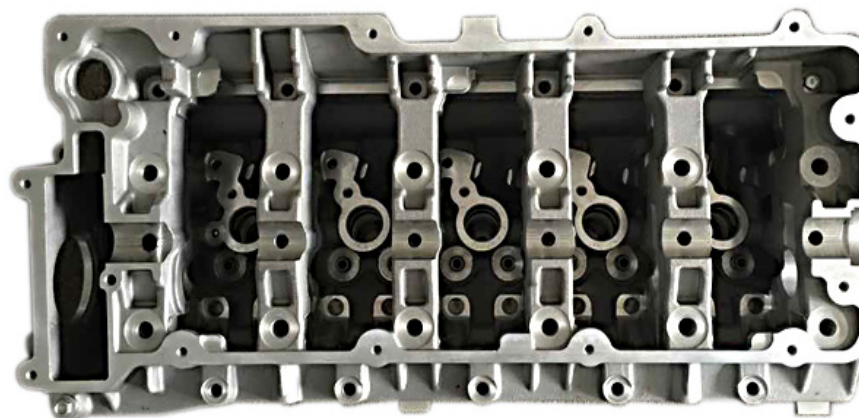
Total Valve Length: 105.70MM, 105.70MM

No. Valves Required: 10

No. Camshafts Required: 1

Important Notes:

Early Generation Design, Alternative Version BCH066



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1137	R	Inlet Valve	IV94359	R
Head Set	HS1137, HS1138, IK1137	R, W	Exhaust Valve	EV94360	R
Head Bolts	B1137	R	Valve Stem Seal	VSK1137	R
Rocker Cover Gasket	RC1137S	R	Rocker Arm/Follower	BFS148, BFS148S	R, W
Intake Manifold Gasket	IM1137	R	Oil Seals	OS1138, OS1139	R, W
Exhaust Manifold Gasket	EM1137	R	Glow Plugs	LP024, LP102	R, W

Cross References

Manufacturer Reference

Landrover LDF500160



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

BCH066 Bare Cylinder Head

Product Information

For Vehicle Makes:

Landrover

For Engines:

10 P, 14 P, 15 P, TD5

Parts Included:

Valve Guides, Manifold Studs

Technical Specifications

Inlet Valve Head Diameter: 34.70MM

Exhaust Valve Head Diameter: 31.70MM

Total Valve Length: 105.70MM, 105.70MM

No. Valves Required: 10

No. Camshafts Required: 1

Important Notes:

Late Generation Design, Alternative Version BCH065



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1137	R	Inlet Valve	IV94359	R
Head Set	HS1137, HS1138, IK1137	R, W	Exhaust Valve	EV94360	R
Head Bolts	B1137	R	Valve Stem Seal	VSK1137	R
Rocker Cover Gasket	RC1138S	R	Rocker Arm/Follower	BFS148, BFS148S	R, W
Intake Manifold Gasket	IM1137	R	Oil Seals	OS1138, OS1139	R, W
Exhaust Manifold Gasket	EM1137	R	Glow Plugs	LP024, LP102	R, W

Cross References

Manufacturer	Reference
Landrover	LDF500170

W See website catalogue

R Not included, but required

* Included with Product

NH No Head Gasket Included

T Choice of Gasket Thickness

BCH067 Bare Cylinder Head

Product Information

For Vehicle Makes:

Alfa/Chevrolet/Citroen/Fiat/Ford/Opel/Vauxhall/Peugeot

For Engines:

A13DTC, A13DTE, A13DTR, B13DTR, Z13DTE, Z13DTJ, LDV, LSF, 169 A1.000, 169 A5.000, 199 A1.000, 199 A9.000, 199 B1.000, 225 A2.000, 312 A8.000, 312 B1.000, 312 B2.000, 330 A1.000

Parts Included:

Bare Cylinder Head Only

Technical Specifications

Inlet Valve Head Diameter: 21.90MM

Exhaust Valve Head Diameter: 21.90MM

Total Valve Length: 109.20MM, 109.20MM

No. Valves Required: 16

No. Camshafts Required: 2

Important Notes:

Late Version, For Early Version see BCH011



Associated Parts in FAI Range

Product	Part Number	Notes	Product	Part Number	Notes
Head Gasket	HG1618B(T)	R, W	Inlet Valve	IV8930	R
Head Set	HS1618NH, HS1619NH	R, W	Exhaust Valve	EV8931	R
Head Bolts	B1321	R	Valve Stem Seal	VSK1006	R
Rocker Cover Gasket	RC1321S	R	Camshaft	C254, C255	R
Intake Manifold Gasket	IM1618, IM1619, IM1619K	R, W	Rocker Arm/Follower	R171S, BFS148, BFS148S	R, W
Exhaust Manifold Gasket	EM1321	R	Glow Plugs	LP098, LP136	R, W

Cross References

Manufacturer	Reference
AMC	908558
Citroen/Peugeot	0200.JW
Fiat	71724174
Opel/Vauxhall	55206386



W See website catalogue
R Not included, but required

* Included with Product
NH No Head Gasket Included

T Choice of Gasket Thickness

Application Guide

Application Guide



Alfa Romeo							
Mito	1.3 Multijet	1248	10/09-	D	199 B1.000, 330 A1.000	BCH067	Late Generation Version
Audi							
A1 (8X1 8XK)	1.6 TDI	1598	05/10-	D	CAYB, CAYC	BCH032	
A1 (8XA 8XF)	1.6 TDI	1598	11/11-	D	CAYB, CAYC	BCH032	
A3 (8L1)	1.9 TDI	1896	09/96-07/01	D	AGR, AHF, ALH, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	10/00-05/03	D	ATD, AXR, ASZ	BCH028	Vehicles with Hydraulic Followers/Lifters
A3 (8P1)	1.6	1595	05/03-08/12	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	05/09-08/12	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	05/03-05/10	D	BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	05/03-08/12	D	AZV, BKD, BUY, BMN	BCH025	
	2.0 TDI	1968	05/03-08/12	D	CFFA, CFFB, CFGB, CLJA	BCH029	
	2.0 TDI	1968	06/05-06/08	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
A3 (8P7)	1.6	1595	09/08-05/10	P	BSE	BCH057	
	1.6 TDI	1598	05/09-05/13	D	CAYC	BCH032	
	1.9 TDI	1896	04/08-10/09	D	BLS	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	04/08-05/13	D	CFFA, CFFB	BCH029	
A3 (8PA)	1.6	1595	09/04-03/13	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	05/09-03/13	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	09/04-05/10	D	BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	06/05-06/08	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	09/04-03/13	D	AZV, BKD, BUY, BMN	BCH025	
	2.0 TDI	1968	09/04-03/13	D	CFFA, CFFB, CFGB, CLJA	BCH029	
A4 (B5)	1.6	1595	07/00-09/01	P	ALZ	BCH057	
	1.9 TDI	1896	03/00-09/01	D	AJM, ATJ	BCH028	Vehicles with Hydraulic Followers/Lifters

Application Guide



Audi (continued)

A4 (B6)	1.6	1595	11/00-12/04	P	ALZ	BCH057	
	1.9 TDI	1896	05/01-12/04	D	AVB, AVF, AWX, BKE	BCH028	Vehicles with Hydraulic Followers/Lifters
A4 (B7)	1.6	1595	11/04-06/08	P	ALZ	BCH057	
	1.9 TDI	1896	11/04-06/08	D	BKE, BRB	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	11/04-03/09	D	BPW	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	11/04-06/08	D	BLB, BNA, BRD, BRE, BRF, BVF	BCH025	
A4 (B8)	2.0 TDI	1968	11/07-05/16	D	CGLC, CGLD, CJCA, CJCB, CMFA, CMGB	BCH029	
A5 (8F7)	2.0 TDI	1968	10/11-01/17	D	CGLC, CJCA	BCH029	
A5 (8T3)	2.0 TDI	1968	08/08-01/17	D	CGLC, CGLD	BCH029	
A5 (8TA)	2.0 TDI	1968	09/09-01/17	D	CGLC, CGLD, CJCA, CJCB, CMFA	BCH029	
A6 (C5)	1.9 TDI	1896	07/00-01/05	D	AJM, AVF, AWX	BCH028	Vehicles with Hydraulic Followers/Lifters
A6 (C6)	2.0 TDI	1968	07/04-08/11	D	BLB, BNA, BRE, BRF, BVG	BCH025	
A6 (C7)	2.0 TDI	1968	03/11-	D	CGLC, CGLD, CMGB	BCH029	
Q3	2.0 TDI	1968	06/11-	D	CFFA, CFFB, CFGC, CLJA, CLLB	BCH029	
Q5	2.0 TDI	1968	11/08-	D	CGLB, CGLC, CJCA, CJCB, CMGA, CMGB	BCH029	
TT	2.0 TDI quattro	1968	06/08-06/14	D	CFGB	BCH029	

BMW

1 (F20)	114 i	1598	11/11-	P	N13 B16 A	BCH052	
	116 i	1598	12/10-	P	N13 B16 A	BCH052	
	118 i	1598	11/10-	P	N13 B16 A	BCH052	
1 (F21)	114 i	1598	12/11-	P	N13 B16 A	BCH052	
	116 i	1598	12/11-	P	N13 B16 A	BCH052	
	118 i	1598	07/12-	P	N13 B16 A	BCH052	
3 (F30, F80)	316 i	1598	10/12-08/16	P	N13 B16 A	BCH052	
	320 i	1598	04/12-06/16	P	N13 B16 A	BCH052	



Application Guide



Chevrolet							
Aveo	1.3 D	1248	07/11-	D	LDV, LSF	BCH067	Late Generation Version
Cruze	1.7 TD	1686	08/13-	D	A 17 DTE	BCH010	CRD Engines
Chrysler							
Sebring	2.0 CRD	1968	07/07-12/10	D	ECD	BCH025	
Citroën							
Berlingo	1.6 HDi	1560	07/05-	D	9HS (DV6TED4BU), 9HX (DV6ATED4), 9HZ (DV6TED4)	BCH026	
C2	1.6 HDi	1560	09/05-	D	9HZ (DV6TED4)	BCH026	
C3 I/II	1.6 HDi	1560	09/05-	D	9HX (DV6ATED4), 9HZ (DV6TED4)	BCH026	
C3 Picasso	1.6 HDi	1560	02/09-	D	9HX (DV6ATED4), 9HZ (DV6TED4)	BCH026	
C4	1.6 HDi	1560	11/04-07/11	D	9HX (DV6ATED4), 9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
C4 Grand Picasso I	1.6 HDi	1560	10/06-	D	9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
C4 I	1.6 HDi	1560	11/04-07/11	D	9HX (DV6ATED4), 9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
C4 I/II	1.6	1598	07/08-	P	5FT (EP6DT), 5FX (EP6DT), 5FV (EP6CDT)	BCH052	
C4 Picasso I	1.6 HDi	1560	02/07-08/13	D	9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
C5 II	1.6 HDi	1560	09/04-	D	9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
C5 III	1.6	1598	04/09-	P	5FV (EP6CDT)	BCH052	
	1.6 HDi	1560	02/08-	D	9HZ (DV6TED4)	BCH026	
Dispatch	1.6 Hdi	1560	01/07-	D	9HU (DV6UTED4)	BCH026	
DS3	1.6	1598	01/10-07/15	P	5FD (EP6DTS), 5FN (EP6CDT), 5FR (EP6DT), 5FV (EP6CDT), 5FX (EP6DT)	BCH052	
DS4	1.6	1598	04/11-07/15	P	5FM (EP6DT), 5FU (EP6DTX), 5FV (EP6CDT)	BCH052	
DS5	1.6	1598	11/11-07/15	P	5FU (EP6DTX), 5FV (EP6CDT)	BCH052	
Nemo	1.3 HDi	1248	10/10-	D	FHZ (F13DTE5)	BCH067	Late Generation Version
Relay	2.2 HDi 100/120	2198	04/06-	D	4HV (P22DTE), 4HU (P22DTE)	BCH021	CRD Engines, With Camshaft Sensor Hole
Xsara Picasso	1.6 HDi	1560	05/04-	D	9HX (DV6ATED4), 9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	



Application Guide



Dacia							
Logan	1.5 dCi	1461	09/05-	D	K9K 790	BCH012	
Dodge							
Avenger	2.0 CRD	1968	06/07-	D	ECD	BCH025	
Caliber	2.0 CRD	1968	06/06-	D	ECD	BCH025	
Fiat							
500/500 C/500 L	1.3 D Multijet	1248	10/07-	D	169 A1.000, 199 B1.000, 199 B4.000	BCH067	Late Generation Version
Doblo	1.3 D Multijet	1248	10/05-	D	199 A2.000, 199 A3.000, 263 A2.000,	BCH067	Late Generation Version
	1.3 D/JTD Multijet	1248	05/04-	D	188 A9.000, 199 A2.000, 199 A3.000, 223 A9.000	BCH011	Early Generation Version
Ducato	120/130 Multijet 23 D	2287	07/06-	D	F1AE0481D, F1AE0481N	BCH016	
	140 Natural Power	2999	04/09-	P	F1CFA401A, F1CE0441A	BCH017	
Fiorino	1.3 D Multijet	1248	11/07-	D	199 A2.000	BCH011	Early Generation Version
	1.3 D Multijet	1248	07/09-	D	199 A2.000, 199 A9.000, 199 B1.000, 330 A1.000	BCH067	Late Generation Version
Grande Punto	1.3 D Multijet	1248	10/05-	D	199 A2.000, 199 A3.000, 199 B2.000, 199 B4.000, 223 A9.000,	BCH067	Late Generation Version
	1.3 D Multijet	1248	10/05-	D	199 A2.000, 199 A3.000, 223 A9.000	BCH011	Early Generation Version
Idea	1.3 D Multijet	1248	01/04-	D	188 A9.000, 199 A3.000	BCH011	Early Generation Version
	1.3 D Multijet	1248	10/05-	D	199 A3.000, 199 B1.000	BCH067	Late Generation Version
Linea	1.3 D Multijet	1248	06/07-	D	199 A3.000	BCH011	Early Generation Version
	1.3 D Multijet	1248	06/07-	D	199 A3.000	BCH067	Late Generation Version
Panda	1.3 D Multijet	1248	01/06-	D	169 A1.000, 169 A5.000, 199 A1.000, 199 A9.000, 199 B1.000, 225 A2.000, 312 A8.000, 312 B1.000, 312 B2.000, 330 A1.000	BCH067	Late Generation Version
	1.3 D Multijet	1248	09/03-	D	188 A9.000	BCH011	Early Generation Version
Punto	1.3 D Multijet	1248	04/08-	D	199 A2.000, 199 A3.000, 199 A9.000, 199 B1.000, 199 B4.000, 330 A1.000	BCH067	Late Generation Version
	1.3 D/JTD Multijet	1248	06/03-	D	188 A9.000, 199 A2.000	BCH011	Early Generation Version

Application Guide



Fiat (continued)

Punto Evo	1.3 D Multijet	1248	07/08-	D	199 A2.000, 199 A3.000, 199 A9.000, 199 B1.000, 199 B4.000, 330 A1.000	BCH067	Late Generation Version
	1.3 D Multijet	1248	10/09-	D	199 A2.000, 199 A3.000, 223 A9.000	BCH011	Early Generation Version
Qubo	1.3 D Multijet	1248	02/08-	D	199 A2.000	BCH011	Early Generation Version
	1.3 D Multijet	1248	02/08-	D	199 A2.000, 199 A9.000, 199 B1.000	BCH067	Late Generation Version
Scudo	1.6 D Multijet	1560	01/07-	D	9HU	BCH026	
Siena	1.3 JTD	1248	09/03-	D	188 A9.000	BCH011	Early Generation Version
Strada	1.3 D Multijet	1248	05/06-	D	223 A9.000	BCH011	Early Generation Version
Strada/Tipo	1.3 D Multijet	1248	10/10-	D	199 B1.000	BCH067	Late Generation Version

Ford

C-Max	1.6 TDCi	1560	02/07-09/10	D	HHDA, HHDB, GPDA, G8DA, G8DB, G8DD	BCH026	
Focus C-Max	1.6 TDCi	1560	10/03-03/07	D	HHDA, HHDB, G8DA, G8DB	BCH026	
Focus Mk II	1.6 TDCi	1560	07/04-09/12	D	G8DA, G8DB, G8DD, G8DE, G8DF, GPDA, GPDB, GPDC, HHDA, HHDB	BCH026	
Galaxy	1.9 TDI	1896	03/95-05/06	D	1Z, AHU, ANU, ASZ, AUY, BTB	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.3	2261	09/07-06/15	P	SEWA	BCH053	
Ka	1.3 TDCi	1248	10/08-	D	FD4	BCH067	Late Generation Version
Mondeo IV	2.3	2261	07/07-09/14	P	SEBA	BCH053	
Ranger (Er Eq)	2.5 D	2500	10/99-04/02	D	WL	BCH014	
	2.5 D	2500	10/99-04/02	D	WL	CCH014	Complete Cylinder Head
	2.5 TD	2500	10/99-06/06	D	WL-T	BCH014	
	2.5 TD	2500	10/99-06/06	D	WL-T	CCH014	Complete Cylinder Head
Ranger (Et)	2.5 TDCi 4x4	2499	05/06-07/12	D	WLAA	BCH014	
	2.5 TDCi 4x4	2499	05/06-07/12	D	WLAA	CCH014	Complete Cylinder Head
	3.0 TDCi	2953	05/06-07/12	D	WEAT	BCH014	
	3.0 TDCi	2953	05/06-07/12	D	WEAT	CCH014	Complete Cylinder Head



Application Guide



Ford (continued)							
Ranger (Pj)	2.5 TDdi	2500	11/06-03/09	D	WLAT	BCH009	
	2.5 TDdi	2500	11/06-03/09	D	WLAT	CCH009	Complete Cylinder Head
Ranger (Pk)	2.5 TDdi	2500	03/09-11/11	D	WLAT	BCH009	
	2.5 TDdi	2500	03/09-11/11	D	WLAT	CCH009	Complete Cylinder Head
Ranger (Tke)	2.2 TDCi	2198	04/11-	D	GBVAJPF, GBVAJQW, GBVAJQJ	BCH035	
S-Max	2.3	2261	07/07-12/14	P	SEWA	BCH053	
Transit	2.2 TDCi	2198	04/06-08/14	D	P8FA, QVFA, QWFA, SRFA	BCH021	CRD Engines, With Camshaft Sensor Hole
	2.4 DI/TD/TDdi	2402	01/00-05/06	D	D2FA, D2FB, D2FE, D4FA, F4FA	BCH018	Non CRD Engines, W/O Camshaft Sensor Hole
	2.4 TDCi	2402	03/04-05/06	D	H9FA	BCH019	CRD Engines, With Camshaft Sensor Hole
	2.4 TDCi	2402	11/06-08/14	D	H9FB, H9FD, JXFA, JXFC, PHFA, PHFC	BCH020	CRD Engines, With Camshaft Sensor Hole
	2.4 TDE	2402	07/01-05/06	D	DOFA, FXFA	BCH018	Non CRD Engines, W/O Camshaft Sensor Hole
Transit (RWD)	2.2 TDCi	2198	09/11-	D	CYRA, CYRB, CYRC, CVRA, CVRB, CVRC, DRRA, DRRB, DRRC, USRA, USRB	BCH035	
Transit Tourneo	2.2 TDCi	2198	07/06-08/14	D	QVFA, QWFA, SRFA	BCH021	CRD Engines, With Camshaft Sensor Hole
Hyundai							
Accent Mk II	1.5 CRDi	1496	01/02-11/05	D	D3EA	BCH055	3 Cylinder Engine
Accent Mk III	1.5 CRDi	1493	11/05-11/10	D	D4FA	BCH056	4 Cylinder Engine
Elantra	1.5 CRDi	1493	06/00-07/06	D	D4FA	BCH056	4 Cylinder Engine
	2.0 CRDi	1991	04/01-07/06	D	D4EA	BCH022	
Gallopier I	2.5 TD	2477	08/91-07/98	D	4D56 T	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	08/91-07/98	D	4D56 T	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	08/91-07/98	D	4D56 T	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
Gallopier II	2.5 TD	2476	08/98-12/03	D	D4BA	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	2.5 TD/TCI D	2476	08/98-12/03	D	D4BA, D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD/TCI D	2476	08/98-12/03	D	D4BA, D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design

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Hyundai (continued)

Getz	1.5 CRDI	1496	03/03-09/05	D	D3EA	BCH055	3 Cylinder Engine
	1.5 CRDI	1493	08/05-06/09	D	D4FA	BCH056	4 Cylinder Engine
Grace	2.5 D	2476	07/93-06/94	D	D4BA	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D	2476	07/93-06/94	D	D4BA	CCH001	Crescent Pre-Chamber, Recessed Valve Design
Grandeur	2.2 CRDi	2188	06/06-12/11	D	D4EB	BCH022	
H-1 / Starex	2.5 TD/TCI	2476	03/00-12/07	D	D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD/TCI	2476	03/00-12/07	D	D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
H100	2.5 D	2477	07/93-03/00	D	D4BA	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D	2477	07/93-03/00	D	D4BA	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D	2477	07/93-10/01	D	D4BA, D4BX	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
I10	1.1 CRDI	1120	01/08-12/11	D	D3FA	BCH059	
I20	1.1 CRDI	1120	03/12-	D	D3FA	BCH059	
I30	2.0 CRDi	1991	10/07-11/11	D	D4EA	BCH022	
I30 Cw	2.0 CRDi	1991	02/08-06/12	D	D4EA	BCH022	
Matrix	1.5 CRDI	1496	10/01-08/10	D	D3EA	BCH055	3 Cylinder Engine
	1.5 CRDI	1493	12/04-08/10	D	D4FA	BCH056	4 Cylinder Engine
Porter	2.5 D	2477	01/05-	D	D4BA	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	2.5 TD	2476	07/94-04/04	D	D4BA	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	2.5 TD	2476	07/94-04/04	D	D4BA, D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2476	07/94-04/04	D	D4BA, D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
Santa Fé I	2.0 CRDi	1991	04/01-03/06	D	D4EA	BCH022	
Santa Fé II	2.0 CRDi	1991	03/06-12/12	D	D4EA	BCH022	
	2.2 CRDi/GLS	2188	03/06-12/12	D	D4EB	BCH022	
Sonata V	2.0 CRDi	1991	02/06-12/10	D	D4EA	BCH022	

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Hyundai (continued)

Terracan	2.5 TD	2476	06/01-12/06	D	D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2476	06/01-12/06	D	D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
Trajet	2.0 CRDi	1991	04/01-07/08	D	D4EA	BCH022	
Tucson	2.0 CRDi	1991	08/04-03/10	D	D4EA, D4EA-V	BCH022	

Isuzu

Elf	3.1 TD	3059	01/98-12/01	D	4JG2	BCH038	
Trooper Mk I	2.8 TD	2772	10/87-12/91	D	4JB1-TC, 4JB1-T	BCH061	
Trooper Mk II	3.1 TD	3059	08/91-07/98	D	4JG2T	BCH038	

Iveco

Daily III	2.3 (29 L 10 V)	2287	09/02-07/07	D	F1AE0481A	BCH016	
	2.3 (35 C 10 V)	2287	09/02-07/07	D	F1AE0481A	BCH016	
	2.3 (35 S 10 V)	2287	09/02-07/07	D	F1AE0481A	BCH016	
	3.0 (35 C 14)	2998	09/04-04/06	D	F1CE0481A	BCH017	
	3.0 (40 C 14)	2998	09/04-04/06	D	F1CE0481A	BCH017	
	3.0 (45 C 14)	2998	07/99-04/06	D	F1CE0481A	BCH017	
	3.0 (50 C 14)	2998	09/04-04/06	D	F1CE0481A	BCH017	
	3.0 (65 C 14)	2998	09/04-04/06	D	F1CE0481A	BCH017	

Jeep

Compass	2.0 CRD	1968	08/06-	D	ECD	BCH025	
Grand Cherokee Mk II	2.7 CRD	2685	10/01-09/05	D	ENF	BCH042	
Patriot	2.0 CRD 4x4	1968	02/07-	D	ECD	BCH025	

Kia

Bongo	2.4 TDCi	2477	10/03-	D	D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.4 TDCi	2477	10/03-	D	D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
Cerato	1.5 CRDI	1493	07/05-	D	D4FA	BCH056	4 Cylinder Engine



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Kia (continued)

K2500	2.5 D	2476	01/03-	D	D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D	2476	01/03-	D	D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D	2476	01/03-	D	D4BH	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
Picanto	1.1 CRDI	1120	11/05-	D	D3FA	BCH059	
Pregio	2.5 D/TCi D	2476	08/95-	D	D4BH	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 D/TCi D	2476	08/95-	D	D4BH	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TCi D	2476	09/02-	D	D4BH	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
Rio Mk II	1.5 CRDI	1493	03/05-	D	D4FA	BCH056	4 Cylinder Engine
Rio Mk III	1.1 CRDI	1120	09/11-	D	D3FA	BCH059	
Sportage	2.0 CRDi	1991	01/06-	D	D4EA-V	BCH022	

Lancia

Musa	1.3 D Multijet	1248	03/09-09/12	D	199 B1.000	BCH067	Late Generation Version
	1.3 D Multijet	1248	10/04-09/12	D	188 A9.000, 199 A3.000	BCH011	Early Generation Version
Ypsilon	1.3 D Multijet	1248	05/11-	D	199 B1.000, 312 B1.000	BCH067	Late Generation Version
	1.3 D/JTD Multijet	1248	10/03-12/11	D	188 A9.000, 199 A3.000	BCH011	Early Generation Version

Land Rover

Defender	2.2 Td4	2198	05/12-02/16	D	ID4	BCH035	
	2.4 Td4	2402	05/07-02/16	D	ZSD-424	BCH020	CRD Engines, With Camshaft Sensor Hole
	2.5 TD5	2495	06/98-02/16	D	10 P, 14 P, 15 P, TD5	BCH065	Early Generation Version
	2.5 TD5	2495	06/98-02/16	D	10 P, 14 P, 15 P, TD5	BCH066	Late Generation Version
Discovery Mk II	2.5 TD5	2495	01/99-06/04	D	10 P, 15 P, TD5	BCH065	Early Generation Head
	2.5 TD5	2495	01/99-06/04	D	10 P, 15 P, TD5	BCH066	Late Generation Head
Freelander	1.8	1796	02/98-10/06	P	18K4F	BCH054	Non-VVC Engines.

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Lotus							
Elise	1.8	1796	08/95-	P	18K4F, 18K16	BCH054	Non-VVC Engines.
Mazda							
3	1.6 DI Turbo/MZR CD	1560	06/04-	D	Y601, Y642	BCH026	
Bongo	2.5 TD	2499	06/95-10/01	D	WL-T	BCH014	
	2.5 TD	2499	06/95-10/01	D	WL-T	CCH014	
B-Series	2.5 D	2500	12/02-11/06	D	WLE7	BCH014	
	2.5 D	2500	12/02-11/06	D	WLE7	CCH014	
Bt-50	2.5 MRZ-CD	2499	12/06-12/15	D	WLAA	BCH009	
	2.5 MRZ-CD	2499	12/06-12/15	D	WLAA	CCH009	
	3.0 CDVi	2953	12/06-12/15	D	WEAT	BCH009	
	3.0 CDVi	2953	12/06-12/15	D	WEAT	CCH009	
Mercedes Benz							
C-Class (CI203)	C 200 CDI	2148	03/03-05/08	D	OM 646.962	BCH041	W/O ID. Holes, see OE Numbers
	C 220 CDI	2148	02/04-05/08	D	OM 646.963	BCH041	W/O ID. Holes, see OE Numbers
	C 220 CDI	2148	03/01-01/04	D	OM 611.962	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
C-Class (S202)	C 200 T CDI	2151	03/98-03/01	D	OM 611.960	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	C 200 T CDI	2151	03/98-03/01	D	OM 611.960	BCH043	W/O ID. Hole, From Engines 30128576/40068034 ->
	C 220 T CDI	2151	09/97-03/01	D	OM 611.960	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	C 220 T CDI	2151	09/97-03/01	D	OM 611.960	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->

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Mercedes Benz (continued)

C-Class (S203)	C 200 CDI	2148	03/01-08/07	D	OM 611.962	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 200 CDI	2148	03/01-08/07	D	OM 611.962, OM 646.962	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 200 CDI	2148	03/01-08/07	D	OM 646.962, OM 611.962	BCH041	W/O ID. Holes, see OE Numbers
	C 220 CDI	2149	02/04-08/07	D	OM 646.963	BCH041	W/O ID. Holes, see OE Numbers
	C 220 CDI	2148	03/01-08/07	D	OM 611.962	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 270 CDI	2685	03/01-08/07	D	OM 612.962	BCH042	
C-Class (W202)	C 200 CDI	2151	03/98-05/00	D	OM 611.960	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	C 200 CDI	2151	03/98-05/00	D	OM 611.960	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 220 CDI	2151	09/97-05/00	D	OM 611.960	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	C 220 CDI	2151	09/97-05/00	D	OM 611.960	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
C-Class (W203)	C 200 CDI	2148	02/01-02/07	D	OM 646.962	BCH041	W/O ID. Holes, see OE Numbers
	C 200 CDI	2148	09/00-02/07	D	OM 611.962	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 220 CDI	2148	05/00-02/07	D	OM 611.962, OM 646.963	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	C 220 CDI	2148	05/00-02/07	D	OM 646.963, OM 611.962	BCH041	W/O ID. Holes, see OE Numbers
	C 270 CDI	2685	12/00-02/07	D	OM 612.962	BCH042	
Clc-Class (CI203)	CLC 200 CDI	2148	05/08-06/11	D	OM 646.962	BCH041	W/O ID. Holes, see OE Numbers
	CLC 220 CDI	2148	05/08-06/11	D	OM 646.963	BCH041	W/O ID. Holes, see OE Numbers
Clk (C209)	220 CDI	2148	01/05-05/09	D	OM 646.966	BCH041	W/O ID. Holes, see OE Numbers
	270 CDI	2685	10/02-05/09	D	OM 612.962, OM 612.967	BCH042	

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Mercedes Benz (continued)

E-Class (S210)	E 220 T CDI	2151	06/98-03/03	D	OM 611.961	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	E 220 T CDI	2151	06/98-03/03	D	OM 611.961	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	E 270 T CDI	2685	07/99-03/03	D	OM 612.961	BCH042	
E-Class (S211)	E 220/T CDI	2148	03/03-07/09	D	OM 646.961	BCH041	W/O ID. Holes, see OE Numbers
E-Class (W210)	E 200 CDI	2151	06/98-03/02	D	OM 611.961	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	E 200 CDI	2151	06/98-03/02	D	OM 611.961	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	E 220 CDI	2151	06/98-03/02	D	OM 611.961	BCH040	W/O ID. Holes, Up to Engines -> 30128575/40068033
	E 220 CDI	2151	06/98-03/02	D	OM 611.961	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	E 270 CDI	2685	07/99-03/02	D	OM 612.961	BCH042	
E-Class (W211)	E 200 CDI	2148	07/02-12/08	D	OM 646.951	BCH041	W/O ID. Holes, see OE Numbers
	E 220 CDI	2148	03/02-12/08	D	OM 646.961	BCH041	W/O ID. Holes, see OE Numbers
G-Class (W463)	G 270 CDI	2685	10/01-	D	OM 612.965	BCH042	
M-Class (W163)	ML 270 CDI	2685	12/99-06/05	D	OM 612.963	BCH042	
Sprinter 2-T	208 CDI	2148	04/00-05/06	D	OM 611.987	BCH039	With 2 ID. Drill Holes
	211 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	211 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	213 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	213 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->

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Mercedes Benz (continued)

Sprinter 35-T	309 CDI	2148	06/06-12/09	D	OM 646.984	BCH041	W/O ID. Holes, see OE Numbers
	311 CDI	2148	06/06-12/09	D	OM 646.985	BCH041	W/O ID. Holes, see OE Numbers
	313 CDI	2148	06/06-	D	OM 646.986	BCH041	W/O ID. Holes, see OE Numbers
	315 CDI	2148	06/06-12/09	D	OM 646.986, OM 646.989, OM 646.990	BCH041	W/O ID. Holes, see OE Numbers
Sprinter 3-T	308 CDI	2148	04/00-05/06	D	OM 611.987	BCH039	With 2 ID. Drill Holes
	311 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	311 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	313 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	313 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	209 CDI	2148	06/06-12/09	D	OM 646.984	BCH041	W/O ID. Holes, see OE Numbers
	211 CDI	2148	06/06-12/09	D	OM 646.985	BCH041	W/O ID. Holes, see OE Numbers
	213 CDI	2148	06/06-12/09	D	OM 646.986	BCH041	W/O ID. Holes, see OE Numbers
	215 CDI	2148	06/06-12/09	D	OM 646.986, OM 646.989, OM 646.990	BCH041	W/O ID. Holes, see OE Numbers
Sprinter 46-T	411 CDI	2148	06/09-12/09	D	OM 646.985	BCH041	W/O ID. Holes, see OE Numbers
	413 CDI	2148	06/06-05/16	D	OM 646.986	BCH041	W/O ID. Holes, see OE Numbers
	415 CDI	2148	06/06-12/09	D	OM 646.989, OM 646.990	BCH041	W/O ID. Holes, see OE Numbers
Sprinter 4-T	408 CDI	2148	04/00-05/06	D	OM 611.987	BCH039	With 2 ID. Drill Holes
	411 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	411 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->
	413 CDI	2148	04/00-05/06	D	OM 611.981	BCH039	With 2 ID. Drill Holes
	413 CDI	2148	04/00-05/06	D	OM 611.981	BCH043	W/O ID. Holes, From Engines 30128576/40068034 ->

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Mercedes Benz (continued)

Sprinter 5-T	509 CDI	2148	06/06-12/09	D	OM 646.984	BCH041	W/O ID. Holes, see OE Numbers
	511 CDI	2148	06/06-12/09	D	OM 646.985	BCH041	W/O ID. Holes, see OE Numbers
	513 CDI	2148	06/06-	D	OM 646.986	BCH041	W/O ID. Holes, see OE Numbers
	515 CDI	2148	06/06-12/09	D	OM 646.986, OM 646.989, OM 646.990	BCH041	W/O ID. Holes, see OE Numbers
V-Class	V 200 CDI	2151	03/99-07/03	D	OM 611.980	BCH039	With 2 ID. Drill Holes
	V 220 CDI	2151	03/99-07/03	D	OM 611.980	BCH039	With 2 ID. Drill Holes
	V 230 TD	2299	09/96-07/03	D	OM 601.970	BCH062	W/O Pre Combustion Chambers
Viano (W639)	CDI 2.2	2148	09/03-	D	OM 646.980, OM 646.982	BCH041	W/O ID. Holes, see OE Numbers
Vito	110 TD	2299	02/96-07/03	D	OM 601.970	BCH062	W/O Pre Combustion Chambers
	112 CDI 2.2	2151	03/99-07/03	D	OM 611.980	BCH039	With 2 ID. Drill Holes
Vito/Mixto (W639)	109 CDI	2148	09/03-	D	OM 646.980, OM 646.981, OM 646.983	BCH041	W/O ID. Holes, see OE Numbers
	111 CDI	2148	09/03-	D	OM 646.980, OM 646.982	BCH041	W/O ID. Holes, see OE Numbers
	115 CDI	2148	09/03-	D	OM 646.980, OM 646.982	BCH041	W/O ID. Holes, see OE Numbers

MG

MGF	1.8	1796	03/95-03/02	P	18K4K, 18K4F	BCH054	Non-VVC Engines.
TF	120/135/160	1796	03/02-12/09	P	18K4F, 18K4K	BCH054	Non-VVC Engines.
ZR	160	1796	06/01-04/05	P	18K4K	BCH054	Non-VVC Engines.
ZT	1.8	1796	01/03-07/05	P	18K4G	BCH054	Non-VVC Engines.

Mini

Cooper/ Cooper S/ One (R50, R52, R53)	1.6	1598	06/01-11/07	P	W10 B16, W11 B16	BCH058	
Cooper/ One (R55, R56, R57, R58, R59, R60, R61)	1.6	1598	10/06-09/16	P	N14 B16 A, N14 B16 C, N18 B16 A, N18 B16 C	BCH052	
Cooper D/ One D (R55, R56)	Cooper D	1560	11/06-09/10	D	9HZ (DV6TED4)	BCH026	



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Mitsubishi						
Canter	Generation 3C11	2977	08.06-	D	4M42-OAT, 4M42-3AT1	BCH045
	Generation 3C13	2977	10.01-	D	4M42-OAT	BCH045
	Generation 3C15	2977	06.06-11.10	D	4M42-3AT4	BCH045
	Generation Canter 35	2977	09.01-	D	4M42-OAT	BCH045
	Generation Canter 55	2977	09.01-	D	4M42-OAT	BCH045
	Generation FE130C1	2977	09.01-	D	4M42-OAT	BCH045
Challenger I	2.5 TD	2477	11/97-	D	4D56 T	BCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	11/97-	D	4D56 T	CCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	11/97-	D	4D56 T	BCH044 Rectangular Pre-Chamber, Protruding Valve Design
	2.8 TDi	2835	11/98-	D	4M40-T	BCH004 Rectangular Pre-Chamber
	2.8 TDi	2835	11/98-	D	4M40-T	CCH004 Rectangular Pre-Chamber
Grandis	2.0 DI-D	1968	09/05-	D	BSY, BWC	BCH025
L 200	2.5 D	2477	12/87-12/07	D	4D56	BCH044 Rectangular Pre-Chamber, Protruding Valve Design
	2.5 D/TD	2476	11/86-12/07	D	4D56, 4D56 T	BCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 D/TD	2476	11/86-12/07	D	4D56, 4D56 T	CCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	11/92-12/07	D	4D56 T	BCH044 Rectangular Pre-Chamber, Protruding Valve Design
	2.8 TD	2835	04/03-06/06	D	4M40-T	BCH004 Rectangular Pre-Chamber
	2.8 TD	2835	04/03-06/06	D	4M40-T	CCH004 Rectangular Pre-Chamber
L 200 / Triton	2.5 DI-D/DiD	2477	11/05-	D	4D56 HP	BCH007
L 300 III/ Delica II	2.5 D/TD	2477	11/86-02/06	D	4D56, 4D56 T	BCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 D/TD	2477	11/86-02/06	D	4D56, 4D56 T	CCH001 Crescent Pre-Chamber, Recessed Valve Design
	2.5 D/TD	2477	11/86-02/06	D	4D56, 4D56 T	BCH044 Rectangular Pre-Chamber, Protruding Valve Design

Application Guide



Mitsubishi (continued)

L 400	2500 TD	2477	05/95-06/05	D	4D56 T	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	2500 TD	2477	09/96-06/05	D	4D56 T	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2500 TD	2477	09/96-06/05	D	4D56 T	CCH001	Crescent Pre-Chamber, Recessed Valve Design
Lancer	2.0 DI-D	1968	01/08-	D	BWC, BKD	BCH025	
Outlander II	2.0 DI-D	1968	02/07-11/12	D	BSY	BCH025	
Pajero Sport II	2.5 DI-D	2477	07/08-	D	4D56 HP	BCH007	
Pajero/Shogun II	2.5 TD	2477	05/86-12/91	D	4D56 T	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	05/86-12/91	D	4D56 T	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	05/86-12/91	D	4D56 T	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	2.8 TD	2835	06/94-10/99	D	4M40-T	BCH004	Rectangular Pre-Chamber
	2.8 TD	2835	06/94-10/99	D	4M40-T	CCH004	Rectangular Pre-Chamber
Pajero/Shogun III	2.5 TDI	2477	04/00-12/06	D	4D56 T	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TDI	2477	04/00-12/06	D	4D56 T	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TDI	2477	04/00-12/06	D	4D56 T	BCH044	Rectangular Pre-Chamber, Protruding Valve Design
	3.2 Di-D	3200	04/00-12/06	D	4M41	BCH046	
Pajero/Shogun IV	3.2 DI-D/TD/GLS	3200	11/06-	D	4M41	BCH046	
Shogun Sport Van I	2.5 TD	2477	12/99-01/08	D	4D56 T	BCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	12/99-01/08	D	4D56 T	CCH001	Crescent Pre-Chamber, Recessed Valve Design
	2.5 TD	2477	12/99-01/08	D	4D56 T	BCH044	Rectangular Pre-Chamber, Protruding Valve Design

Nissan

Almera li (N16)	2.2 Di/dCi	2184	03/00-	D	YD22DDT	BCH005	Non CRD Engines
Almera Tino (V10)	2.2 dCi	2184	09/03-	D	YD22DDT	BCH005	Non CRD Engines
Bassara	2.5 DCi	2488	11/99-08/03	D	YD25DDTi	BCH005	Non CRD Engines



Application Guide



Nissan (continued)							
Cabstar (F23)	2.5 dCi	2488	01/10-09/11	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
Cabstar (F24)	2.5 Dci	2488	01/10-12/13	D	YD25DDTi, YD25K3LD-5M	BCH037	Only production year 01/2010 onwards
Kubistar	1.6	1598	08/03-	P	K4M 752	BCH063	
	1.5 dCi	1461	08/03-	D	K9K 700, K9K 704, K9K 710	BCH012	
Micra Mk III	1.5 dCi	1461	01/03-06/10	D	K9K 704	BCH012	
Murano II (Z51)	2.5 dCi 4x4	2488	01/10-09/14	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
Murano III (Z52)	2.5 dCi	2488	10/14-	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
Note	1.5 dCi	1461	03/06-06/12	D	K9K 700	BCH012	
Np300/Navara (D22)	2.5 D/Di/dCi	2488	11/01-	D	YD25DDTi	BCH005	Non CRD Engines
	2.5 D/Di/dCi 4x4	2488	01/10-	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
	2.5 dCi	2488	04/08-	D	YD25DDTi	BCH006	CRD Engines
Np300/Navara (D40)	2.5 dCi	2488	01/10-	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
	2.5 dCi	2488	07/05-	D	YD25DDTi	BCH005	Non CRD Engines
	2.5 dCi	2488	07/05-	D	YD25DDTi	BCH006	CRD Engines
Pathfinder III (R51)	2.5 dCi	2488	01/05-	D	YD25DDTi	BCH005	Non CRD Engines
	2.5 dCi	2488	01/10-	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
	2.5 dCi 4WD	2488	03/05-	D	YD25DDTi	BCH006	CRD Engines
Pathfinder IV (R52)	2.5 dCi 4WD	2488	09/12-	D	YD25DDTi	BCH037	Only production year 01/2010 onwards
Primera (Wp12, P12)	2.2 Di/dCi	2184	03/02-	D	YD22DDT	BCH005	Non CRD Engines
Serena (C24)	2.5 DCi SGX	2488	06/99-09/05	D	YD25DDTi	BCH005	Non CRD Engines
X-Trail (T30)	2.2 Di 4x4	2184	07/01-10/05	D	YD22ETI	BCH005	Non CRD Engines
	2.2 Di 4x4	2184	07/01-10/05	D	YD22ETI	BCH006	CRD Engines

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Opel/Vauxhall							
Agila Mk I (A)	1.3 CDTI	1248	08/03-12/07	D	Z 13 DT	BCH011	Early Generation Version
Agila Mk II (B)	1.3 CDTI	1248	01/08-11/14	D	D13A, Z 13 DTJ	BCH067	Late Generation Head
	1.3 CDTI	1248	04/08-	D	Z 13 DTJ	BCH011	Early Generation Version
Arena	1.9 D	1870	03/98-08/01	D	F8Q 600, F8Q 606	BCH051	
Astra Gtc Mk VI (J)	1.7 CDTI	1686	10/11-	D	A 17 DTC, A 17 DTE, A 17 DTF, A 17 DTJ, A 17 DTS	BCH010	CRD Engines
Astra Mk IV (G)	1.7 CDTI	1686	04/03-07/09	D	Z 17 DTL	BCH010	CRD Engines
	1.7 DTI 16V	1686	02/00-08/06	D	Y 17 DT	BCH047	Non CRD Engines
Astra Mk V (H)	1.3 CDTI	1248	08/04-11/10	D	Z 13 DTH	BCH011	Early Generation Version
	1.7 CDTI	1686	03/04-05/14	D	A 17 DTJ, A 17 DTR, Z 17 DTH, Z 17 DTJ, Z 17 DTL, Z 17 DTR	BCH010	CRD Engines
Astra Mk VI (J)	1.3 CDTI	1248	12/09-	D	A 13 DTE	BCH067	Late Generation Head
	1.7 CDTI	1686	12/09-	D	A 17 DTC, A 17 DTE, A 17 DTF, A 17 DTJ, A 17 DTR, A 17 DTS	BCH010	CRD Engines
Brava	3.1 D	3059	07/91-07/01	D	4JG2T	BCH038	
Campo	3.1 TD	3059	12/92-06/01	D	4JG2T	BCH038	
Combo II (C)	1.3 CDTI	1248	10/05-02/12	D	Z 13 DTJ	BCH067	Late Generation Head
	1.3 CDTI 16V	1248	09/04-	D	Z 13 DT, Z 13 DTJ	BCH011	Early Generation Version
	1.7 CDTI 16V	1686	12/04-	D	Z 17 DTH	BCH010	CRD Engines
	1.7 DI/DTI 16V	1686	10/01-	D	Y 17 DT, Y 17 DTL	BCH047	Non CRD Engines
Combo Tour II (C)	1.3 CDTI 16V	1248	09/04-	D	Z 13 DT, Z 13 DTJ, Y 13 DT	BCH011	Early Generation Version
	1.7 CDTI 16V	1686	12/04-	D	Z 17 DTH	BCH010	CRD Engines
	1.7 DI/DTI 16V	1686	09/01-	D	Y 17 DT, Y 17 DTL	BCH047	Non CRD Engines
Corsa II (C)	1.3 CDTI	1248	06/03-	D	Z 13 DT, Z 13 DTJ	BCH011	Early Generation Version
	1.3 CDTI	1248	09/05-09-06	D	Z 13 DTJ	BCH067	Late Generation Head
	1.7 CDTI	1686	08/00-	D	Z 17 DTH	BCH010	CRD Engines
	1.7 DI/DTI 16V	1686	09/00-	D	Y 17 DT, Y 17 DTL	BCH047	Non CRD Engines

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Opel/Vauxhall (continued)

Corsa III (D)	1.3 CDTI	1248	07/06-	D	A 13 DTC, A 13 DTE, A 13 DTR, B 13 DTR, Z 13 DTE, Z 13 DTJ	BCH067	Late Generation Head
	1.3 CDTI	1248	07/06-	D	Z 13 DTJ, Z 13 DTH	BCH011	Early Generation Version
Corsavan II (C)	1.3 CDTI 16V	1248	04/04-06/06	D	Z 13 DT	BCH011	Early Generation Version
Corsavan III (D)	1.3 CDTI	1248	07/06-	D	Z 13 DTJ, Z 13 DTH	BCH011	Early Generation Version
Frontera I (A)	2.8 TD	2771	03/95-10/98	D	28 TDI (4JB1-T)	BCH061	
Meriva Mk I (A)	1.3 CDTI	1248	01/03-05/10	D	Z 13 DT, Z 13 DTJ	BCH011	Early Generation Version
	1.3 CDTI	1248	01/03-10/09	D	Z 13 DTJ	BCH067	Late Generation Head
	1.7 CDTI	1686	09/03-05/10	D	A 17 DTR, Z 17 DTH, Z 17 DTR	BCH010	CRD Engines
	1.7 DTI 16V	1686	06/03-06/10	D	Y 17 DT	BCH047	Non CRD Engines
Meriva Mk II (B)	1.3 CDTI	1248	06/10-	D	A 13 DTC, A 13 DTE	BCH067	Late Generation Head
Monterey	3.1 TD	3059	09/91-07/98	D	4JG2TC	BCH038	
Tigra Twintop	1.3 CDTI	1248	06/04-	D	Z 13 DT	BCH011	Early Generation Version
Zafira Mk II (B)	1.7 CDTI	1686	01/08-	D	A 17 DTJ, A 17 DTR, Z 17 DTJ	BCH010	CRD Engines

Peugeot

206	1.6 Hdi	1560	05/04-	D	9HZ (DV6TED4), 9HY (DV6TED4)	BCH026	
207	1.6	1598	02/06-	P	EP6CDT, 5FR (EP6DT), 5FY (EP6DTS), 5FX (EP6DT)	BCH052	
207	1.6 HDi	1560	02/06-	D	9HZ (DV6TED4), 9HY (DV6TED4)	BCH026	
307	1.6 HDi	1560	02/04-	D	9HV (DV6ATED4), 9HX (DV6ATED4), 9HY (DV6TED4), 9HZ (DV6TED4)	BCH026	
308	1.6	1598	06/09-	P	EP6CDT, EP6CDTX, 5FT (EP6DT), 5FX (EP6DT), 5FY (EP6DTS)	BCH052	
	1.6 HDi	1560	09/07-	D	9HV (DV6ATED4), 9HX (DV6ATED4), 9HZ (DV6TED4)	BCH026	
407	1.6 Hdi	1560	05/04-	D	9HZ (DV6TED4)	BCH026	
508	1.6	1598	09/09-	P	EP6CDT, 5FX (EP6DT)	BCH052	



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Peugeot (continued)						
1007	1.6 HDi	1560	06/07-	D	9HZ (DV6TED4)	BCH026
3008	1.6	1598	06/09-	P	EP6, 5FS (EP6C), 5FV (EP6DT), 5FX (EP6DT)	BCH052
	1.6 HDi	1560	06/09-	D	9HZ (DV6TED4)	BCH026
5008	1.6	1598	09/09-	P	EP6CDT	BCH052
	1.6 HDi	1560	09/09-	D	9HZ (DV6TED4)	BCH026
Bipper	1.3 HDi	1248	10/10-	D	199 A9.000, FHZ (F13DTE5)	BCH067 Late Generation Head
Boxer	2.2 HDi 100/120	2198	04/06-	D	4HV (P22DTE), 4HU (P22DTE)	BCH021 CRD Engines, With Camshaft Sensor Hole
Partner	1.6 HDi	1560	02/06-	D	9HN (DV6ETED4), 9HT (DV6BTED4), 9HW (DV6BTED4), 9HZ (DV6TED4)	BCH026
RCZ	1.6	1598	03/10-	P	EP6CDT, EP6CDTX	BCH052
Renault						
Clio Grandtour	1.4	1390	02/10-	P	K4J 780	BCH063
	1.5 dCi	1461	02/10-	D	K9K 752	BCH012
	1.6	1598	02/08-	P	K4M 800, K4M 801, K4M 862	BCH063
Clio Mk I	1.9 D	1870	05/96-02/98	D	F8Q 632, F8Q 676, F8Q 696, F8Q 714	BCH051
Clio Mk II	1.4	1390	10/99-	P	K4J 710, K4J 711, K4J 712, K4J 713	BCH063
	1.5 dCi	1461	06/01-	D	K9K 700, K9K 702, K9K 704, K9K 710, K9K 712	BCH012
	1.6	1598	09/98-	P	K4M 740, K4M 742, K4M 743, K4M 744, K4M 745, K4M 748	BCH063
	1.9 D	1870	09/98-	D	F8Q 630, F8Q 632	BCH051
Clio Mk III	1.4	1390	06/05-	P	K4J 780	BCH063
	1.5 dCi	1461	05/05-	D	K9K 750, K9K 752	BCH012
	1.6	1598	06/05-	P	K4M 800, K4M 801, K4M 804, K4M 862	BCH063
Fluence	1.6	1598	02/10-	P	K4M 838, K4M 839	BCH063
Grand Scénic II	1.5 dCi	1461	04/04-	D	K9K 728	BCH012
	1.6	1598	04/04-	P	K4M 761, K4M 782, K4M 788, K4M 812	BCH063

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Renault (continued)

Grand Scénic III	1.6	1598	02/09-	P	K4M 858	BCH063
	1.5 dCi	1461	12/01-	D	K9K 700, K9K 702, K9K 704, K9K 710	BCH012
Kangoo	1.6	1598	06/01-	P	K4M 750, K4M 752, K4M 753, K4M 830, K4M 831, K4M 834, K4M 850	BCH063
	1.9 D	1870	08/97-	D	F8Q 630, F8Q 632, F8Q 662	BCH051
Laguna I	1.6	1598	11/97-03/01	P	K4M 720	BCH063
Laguna II	1.6	1598	03/01-	P	K4M 710M K4M 714, K4M 716, K4M 718	BCH063
Laguna III	1.6	1598	10/07-	P	K4M 824	BCH063
Megane	1.9 D	1870	03/97-09/99	D	F8Q 790	BCH051
Megane CC	1.6	1598	06/10-	P	K4M 858	BCH063
	1.4	1390	03/99-08/03	P	K4J 714, K4J 750	BCH063
Megane I	1.6	1598	03/99-08/03	P	K4M 700, K4M 701, K4M 704, K4M 708	BCH063
	1.9 D	1870	04/99-08/03	D	F8Q 622, F8Q 790	BCH051
	1.4	1390	11/02-	P	K4J 730, K4J 732, K4J 740	BCH063
Megane II	1.5 dCi	1461	11/02-	D	K9K 722, K9K 728, K9K 729	BCH012
	1.6	1598	11/02-	P	K4M 760, K4M 761, K4M 762, K4M 788, K4M 812, K4M 813, K4M 848, K4M 858, K4M 866	BCH063
Megane III	1.6	1598	11/08-	P	K4M 760, K4M 848, K4M 858, K4M 866	BCH063
	1.5 dCi	1461	09/04-	D	K9K 750, K9K 752	BCH012
Modus/Grand Modus	1.4	1390	12/04-	P	K4J 770	BCH063
	1.6	1598	12/04-	P	K4M 790, K4M 791, K4M 794, K4M 800, K4M 801	BCH063
Scénic I	1.4	1390	09/99-08/03	P	K4J 714, K4J 750	BCH063
	1.6	1598	03/01-08/03	P	K4M 708	BCH063
	1.4	1390	06/03-	P	K4J 730, K4J 740	BCH063
Scénic II	1.5 dCi	1461	06/03-	D	K9K 722, K9K 728, K9K 729	BCH012
	1.6	1598	06/03-	P	K4M 761, K4M 782, K4M 788, K4M 812	BCH063



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Renault (continued)

Scénic III	1.6	1598	02/09-	P	K4M 858, K4M 866	BCH063	
Thalia I	1.4	1390	08/00-	P	K4J 712	BCH063	
	1.5 dCi	1461	06/01-	D	K9K 700, K9K 702	BCH012	
	1.6	1598	04/02-	P	K4M 740	BCH063	
Thalia II	1.6	1598	09/08-	P	K4M 743	BCH063	
Trafic	1.9 D	1870	06/97-03/01	D	F8Q 606	BCH051	
Twingo II	1.6 RS	1598	05/08-	P	K4M 854	BCH063	
Wind	1.6	1598	07/10-	P	K4M 854	BCH063	

Rover

25	1.8	1796	10/99-05/05	P	18K4K, 18K4F	BCH054	Non-VVC Engines.
45	1.8	1796	02/00-05/05	P	18K4F	BCH054	Non-VVC Engines.
75	1.8	1796	01/00-05/05	P	18K18	BCH054	Non-VVC Engines.

Seat

Alhambra	1.9 TDI	1896	04/96-03/10	D	1Z, AHU, ANU, ASZ, AUY, BTB, BVK	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	06/10-	D	CFFA, CFFB, CFFE, CFGB, CFGC	BCH029	
	2.0 TDI	1968	11/05-03/10	D	BRT	BCH028	Vehicles with Hydraulic Followers/Lifters
Altea	1.6	1595	03/04-	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	10/09-	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	04/04-	D	BJB, BKC, BLS, BXE, BXF	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	03/04-	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	11/05-	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI 16V	1968	03/04-	D	CFHC	BCH029	

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Seat (continued)

Altea XI	1.6	1595	10/06-	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	10/09-	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	10/06-	D	BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	10/06-	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	10/06-	D	CFHC, CFJA	BCH029	
	2.0 TDI 16V	1968	10/06-	D	BKD, BMN	BCH025	
Cordoba	1.9 SDI/TDI	1896	06/99-11/09	D	AGP, AGR, AHU, ALH, AQM, ASK, ASV, ASY	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	09/02-11/09	D	ASZ, ATD, AXR, BLT, BMT	BCH028	Vehicles with Hydraulic Followers/Lifters
Exeo	1.6	1595	03/09-09/10	P	ALZ	BCH057	
	2.0 TDI	1968	12/08-	D	CGLB, CJCA, CJCC	BCH029	
Ibiza Mk III	1.9 SDI/TDI	1896	08/99-02/02	D	AGP, AGR, ALH, AQM, ASK, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
Ibiza Mk IV	1.9 SDI	1896	02/02-12/05	D	ASY	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	02/02-11/09	D	ASZ, ATD, AXR, BLT, BMT	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI Cupra R	1896	03/04-02/08	D	BPX, BUK	BCH028	Vehicles with Hydraulic Followers/Lifters
Ibiza Mk V	1.6 TDI	1598	05/09-	D	CAYB, CAYC, CLNA	BCH032	
	1.9 TDI	1896	03/08-06/10	D	BLS	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	01/10-	D	CFHD	BCH029	
Inca	1.9 SDI/TDI	1896	11/95-06/03	D	AEY, ALH, AYQ	BCH050	Vehicles with Hydraulic Followers/Lifters
Leon	1.6	1595	07/05-12/12	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	02/10-12/12	D	CAYB, CAYC	BCH032	
	1.9 SDI/TDI	1896	11/99-06/06	D	AGR, AHF, ALH, AQM, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	09/00-12/10	D	ARL, ASZ, AXR, BKC, BLS, BXE, BXF	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	07/05-12/12	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	07/05-12/12	D	CFHC, CFJA, CLCB	BCH029	
	2.0 TDI	1968	10/05-10/10	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters

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Seat (continued)

Toledo Mk III	1.6	1595	10/04-05/09	P	BGU, BSF, BSE	BCH057	
	1.9 TDI	1896	10/04-05/09	D	BJB, BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	09/04-05/09	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	11/05-05/09	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
Toledo Mk II	1.9 TDI	1896	10/00-05/06	D	ARL, ASZ	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	10/98-07/04	D	AGR, AHF, ALH, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
Toledo Mk IV	1.6 TDI	1598	07/12-	D	CAYB, CAYC, CLNA	BCH032	

Skoda

Fabia	1.6 TDI	1598	03/10-12/14	D	CAYA, CAYB, CAYC	BCH032	
	1.9 SDI	1896	12/99-03/08	D	ASY	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	01/00-03/10	D	ATD, AXR, ALS, BSW	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI RS	1896	06/03-03/08	D	ASZ, BLT	BCH028	Vehicles with Hydraulic Followers/Lifters
Octavia	1.6	1595	06/04-06/13	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	06/09-04/13	D	CAYC	BCH032	
	1.9 SDI/TDI	1896	09/96-03/10	D	AGP, AGR, AHF, ALH, AQM, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	08/00-12/10	D	ASZ, ATD, AXR, BJB, BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	02/04-04/13	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	02/04-05/13	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	02/04-06/13	D	CFHC, CFHF, CLCA, CLCB	BCH029	
Rapid	2.0 TDI	1968	11/05-05/10	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	1.6 TDI	1598	07/12-	D	CAYB, CAYC	BCH032	
Roomster	1.6 TDI	1598	03/10-05/15	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	03/06-03/10	D	AXR, BLS, BSW	BCH028	Vehicles with Hydraulic Followers/Lifters

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Skoda (continued)

Superb	1.6 TDI	1598	09/10-05/15	D	CAYC	BCH032	
	1.9 TDI	1896	12/01-11/10	D	AVB, AVF, AWX, BLS, BPZ, BSV, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	10/05-05/10	D	BMP, BSS	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI 16V	1968	01/09-05/15	D	BKD	BCH025	
	2.0 TDI 16V	1968	07/08-05/15	D	CFFB, CFGB	BCH029	
Yeti	1.6 TDI	1598	11/10-	D	CAYC	BCH032	
	2.0 TDI	1968	05/09-	D	CFHA, CFHC, CFHF, CFJA, CLCA, CLCB	BCH029	

Subaru

Justy Mk II	1.3	1298	04/01-11/03	P	G13BB	BCH036	
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Suzuki

Baleno	1.3	1298	07/95-05/02	P	G13BB	BCH036	
	1.6 i	1590	07/95-05/02	P	G16B	BCH036	
Carry	1.3	1298	03/99-	P	G13BB	BCH036	
Grand Vitara I	1.6	1590	03/98-07/03	P	G16B	BCH036	
Ignis Ii	1.3 DDiS (RM413D)	1248	09/03-	D	Z 13 DT	BCH011	Early Generation Version
Jimny	1.3	1298	09/98-	P	G13BB	BCH036	
	1.5 DDiS	1461	12/03-	D	K9K 700	BCH012	
SJ 413	1.3	1298	09/84-12/85	P	G13B	BCH036	
Splash	1.3 CDTI	1248	01/08-	D	D13A, Z 13 DTJ	BCH067	Late Generation Head
Swift I	1.3 GTi/GXI	1298	08/85-03/89	P	G13B	BCH036	
Swift II	1.3 Gti	1298	03/89-05/01	P	G13B	BCH036	
	1.6i	1590	11/89-05/01	P	G16B	BCH036	
Swift III	1.3 DDiS	1248	08/05-	D	D13A, Z 13 DTJ	BCH067	Late Generation Head
	1.3 DDiS (RS 413D)	1248	08/05-	D	Z 13 DT	BCH011	Early Generation Version
Sx4	1.6 DDiS (RW 416D)	1560	04/07-	D	9HX	BCH026	



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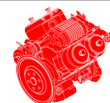
Suzuki (continued)

Vitara	1.6 i	1589	07/90-03/99	P	G16B	BCH036	
Wagon R+	1.3	1298	05/00-	P	G13BB	BCH036	
	1.3 DDiS (RB 413D)	1248	09/03-	D	Z 13 DT	BCH011	Early Generation Version
X-90	1.6 i	1590	09/95-12/97	P	G16B	BCH036	

Toyota

4 Runner	2.8 D	2779	10/89-03/96	D	3L	BCH048	ID. Hole 7MM
Blizzard	2.5 TD	2446	10/86-10/95	D	2L-TII	BCH013	W/O groove Camshaft Lubrication
Chaser	2.4 TD/D	2446	10/92-08/96	D	2L-TII, 2L	BCH013	W/O groove Camshaft Lubrication
Cressida	2.4 TD	2446	10/88-01/93	D	2L-TII	BCH013	W/O groove Camshaft Lubrication
Cresta	2.4 D	2446	09/88-10/96	D	2L	BCH013	W/O groove Camshaft Lubrication
Dyna	2.4 D	2446	08/85-07/01	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.4 D	2446	08/87-07/01	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.5 D4d	2494	08/01-	D	2KD-FTV	BCH008	
	3.0 D-4D	2982	09/06-	D	1KD-FTV	BCH033	
Dyna 150	2.8 D	2779	09/88-08/98	D	3L	BCH048	ID. Hole 7MM
Fortuner	2.5 D-4D	2494	01/09-05/15	D	2KD-FTV	BCH008	
Hiace / Commuter V	2.5 D-4D	2494	01/05-	D	2KD-FTV	BCH008	
Hiace II	2.4 D	2446	05/84-11/89	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.4 D	2446	05/84-11/89	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.4 D	2446	08/87-12/04	D	2L	BCH013	W/O groove Camshaft Lubrication
Hiace III	2.4 D	2446	08/87-12/04	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.5 D-4D	2494	08/01-08/04	D	2KD-FTV	BCH008	

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Toyota (continued)

Hiace IV	2.4 D	2446	08/95-08/06	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.4 D	2446	09/95-08/01	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.5 D-4D	2494	11/01-	D	2KD-FTV	BCH008	
Hiace V	2.5 D-4D	2494	09/06-	D	2KD-FTV	BCH008	
Hilux (Vigo) VII	2.5 D/D-4D	2494	10/05-	D	2KD-FTV	BCH008	
	3.0 D-4D	2982	12/07-	D	1KD-FTV	BCH033	
Hilux V	2.4 D	2446	09/88-08/97	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.4 D	2446	09/88-12/97	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.8 D	2779	08/95-08/98	D	3L	BCH048	ID. Hole 7MM
Hilux VI	2.4 D	2446	08/97-02/06	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.4 D	2446	08/97-02/06	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	2.5 D-4D	2494	11/01-07/05	D	2KD-FTV	BCH008	
	2.8 D	2779	08/97-07/05	D	3L	BCH048	ID. Hole 7MM
Innova I	2.5 D	2494	08/04-	D	2KD-FTV	BCH008	
Kijang	2.4 D	2446	08/89-08/95	D	2L	BCH013	W/O groove Camshaft Lubrication
Land Cruiser	2.4 D	2446	11/84-10/85	D	2L	BCH013	W/O groove Camshaft Lubrication
	2.4 D	2446	11/84-10/85	D	2L	BCH049	ID. Hole 7MM, with Camshaft Lubrication Groove
	3.0 D-4D	2982	09/02-07/09	D	1KD-FTV	BCH033	
	4.2 TD	4164	01/90-12/97	D	1HD-T	BCH064	
Land Cruiser 150	3.0 D-4D	2982	08/09-	D	1KD-FTV	BCH033	
Land Cruiser Prado	3.0 D-4D	2982	08/00-08/02	D	1KD-FTV	BCH033	
Mark II	2.4 D/TD	2446	08/81-09/96	D	2L-TII, 2L	BCH013	W/O groove Camshaft Lubrication

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Regiusace	2.5 D-4D	2494	08/04-	D	2KD-FTV	BCH008	
Tamaraw Fx	2.4 D	2446	01/99-10/04	D	2L	BCH013	W/O groove Camshaft Lubrication
Town Ace	2.4 D	2446	04/85-12/91	D	2L	BCH013	W/O groove Camshaft Lubrication

Volvo

C30	1.6 D	1560	10/06-12/12	D	D 4164 T	BCH026	
S40 II	1.6 D	1560	01/05-12/12	D	D 4164 T	BCH026	
S80 II	1.6 D DRIVe	1560	01/10-	D	D 4164 T	BCH026	
V50	1.6 D	1560	01/05-12/11	D	D 4164 T	BCH026	
V70 III	1.6 D	1560	01/10-12/11	D	D 4164 T	BCH026	

VW

Amarok	2.0 TDI	1968	09/10-	D	CDBA, CDCA	BCH030	
	2.0 TDI	1968	09/10-	D	CNEA, CNFA, CNFB, CSHA	BCH029	
Beetle	1.6 TDI	1598	10/11-	D	CAYC	BCH032	
	2.0 TDI	1968	04/11-	D	CFFB	BCH029	
Bora	1.9 SDI/TDI	1896	10/98-05/05	D	AGP, AGR, AHF, ALH, AQM, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	02/99-05/05	D	AJM, ARL, ASZ, ATD, AUJ, AXR	BCH028	Vehicles with Hydraulic Followers/Lifters
Caddy II	1.9 SDI/TDI	1896	11/95-01/04	D	1Z, AEY, AHU, ALE, ALH, AYQ	BCH050	Vehicles with Hydraulic Followers/Lifters
Caddy III	1.6	1595	04/04-05/15	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	08/10-05/15	D	CAYD, CAYE	BCH032	
	1.9 TDI	1896	04/04-08/10	D	BJB, BLS, BSU	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 SDI	1968	03/04-08/10	D	BDJ, BST	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	08/10-05/15	D	CFHC, CLCA	BCH029	
	2.0 TDI	1968	09/07-08/10	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	11/11-	D	CFFA, CFFB, CFGB, CFGC, CLLA	BCH029	

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VW (continued)

Crafter 30-50	2.0 TDI	1968	05/11-	D	CKTB, CKTC, CKUB, CKUC	BCH030	
	2.5 TDI	2461	04/06-	D	BJJ, BJK, BJL, BJM, CEBA, CEBB, CECA, CECB	BCH060	
Eos	2.0 TDI	1968	05/08-08/15	D	CFFA, CFFB	BCH029	
	2.0 TDI	1968	06/06-05/08	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
Golf IV	1.9 SDI/TDI	1896	08/97-06/05	D	AGP, AGR, AHF, ALH, AQM, ASV	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	12/98-06/06	D	AJM, ARL, ASZ, ATD, AUY, AXR	BCH028	Vehicles with Hydraulic Followers/Lifters
Golf V	1.6	1595	01/04-07/09	P	BGU, BSF, BSE	BCH057	
	1.9 TDI	1896	10/03-07/09	D	BKC, BLS, BRU, BXE, BXF, BXJ	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 SDI	1968	01/04-11/08	D	BDK	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	06/07-07/09	D	AZV, BKD	BCH025	
	2.0 TDI	1968	10/03-11/08	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	12/04-07/09	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
Golf VI	1.6	1595	10/08-07/13	P	BGU, BSF, BSE	BCH057	
	1.6 TDI	1598	02/09-	D	CAYB, CAYC	BCH032	
	2.0 TDI	1968	10/08-07/13	D	CFFA, CFFB, CFGB, CFHB, CFHC, CLCA	BCH029	
Golf Plus	1.6	1595	05/05-12/13	P	BSE, BSF	BCH057	
	1.6 TDI	1598	02/09-12/13	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	01/05-01/09	D	BKC, BLS, BRU, BXE, BXF, BXJ	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	01/05-12/13	D	CFHB, CFHC, CLCA	BCH029	
	2.0 TDI	1968	05/05-12/13	D	AZV, BKD	BCH025	
	2.0 TDI	1968	12/05-05/11	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters

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VW (continued)

Jetta III	1.6	1595	10/05-10/10	P	BSE, BSF	BCH057	
	1.6 TDI	1598	06/09-10/10	D	CAYB, CAYC	BCH032	
	1.9 TDI	1896	08/05-10/10	D	BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	09/05-10/10	D	AZV, BKD, BMN	BCH025	
	2.0 TDI	1968	10/05-10/10	D	BMM	BCH028	Vehicles with Hydraulic Followers/Lifters
Jetta IV	1.6 TDI	1598	02/11-	D	CAYC	BCH032	
	2.0 TDI	1968	10/10-	D	CFFB, CFHC, CLCA	BCH029	
New Beetle	1.6	1595	06/00-09/10	P	BFS	BCH057	
	1.9 TDI	1896	01/98-06/04	D	ALH	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	02/01-09/10	D	ATD, AXR, BEW, BSW	BCH028	Vehicles with Hydraulic Followers/Lifters
Passat	1.6	1595	05/05-11/10	P	ALZ	BCH057	
	1.6	1595	08/05-11/10	P	BSE, BSF	BCH057	
	1.6 TDI	1598	08/09-12/14	D	CAYC	BCH032	
	1.9 TDI	1896	08/98-05/05	D	AJM, ATJ, AVB, AVF, AWX, BKC, BLS, BXE	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	03/05-07/10	D	BKP, BMA, BMR, BWV	BCH025	
	2.0 TDI	1968	08/05-11/10	D	BKP, BMA, BMR, BVE, BWV	BCH025	
	2.0 TDI	1968	08/10-12/14	D	CFFA, CFFB, CFGB, CFGC, CLLA	BCH029	
Passat CC	2.0 TDI	1968	12/03-05/09	D	BGW, BHW, BMP	BCH028	Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	06/08-01/12	D	CFFA, CFFB, CFGB, CLLA	BCH029	
Polo	1.6 TDI	1598	06/09-	D	CAYA, CAYB, CAYC, CLNA	BCH032	
	1.9 SDI/TDI	1896	09/96-	D	AFN, AGP, AGR, AHU, ALE, ALH, AQM, ASV, ASY	BCH050	Vehicles with Hydraulic Followers/Lifters
	1.9 TDI	1896	10/01-11/09	D	ASZ, ATD, AXR, BLT, BMT	BCH028	Vehicles with Hydraulic Followers/Lifters
Scirocco	2.0 TDI	1968	08/08-	D	CFGB, CFGC, CFHB, CFHC	BCH029	

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VW (continued)						
Sharan	1.9 TDI	1896	09/95-03/10	D	1Z, AHU, ANU, ASZ, AUY, BTB, BVK	BCH028 Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	05/10-	D	CFFA, CFFB, CFGB	BCH029
	2.0 TDI	1968	11/05-03/10	D	BRT, BVH	BCH028 Vehicles with Hydraulic Followers/Lifters
Taro	2.4 D	2446	04/89-03/97	D	2L	BCH013 W/O groove Camshaft Lubrication
	2.4 D	2446	04/89-03/97	D	2L	BCH049 ID. Hole 7MM, with Camshaft Lubrication Groove
Tiguan	2.0 TDI	1968	09/07-	D	CFFA, CFFB, CFFD, CFGB, CFGC, CLJA	BCH029
Touareg	2.5 R5 TDI	2461	01/03-05/10	D	BAC, BPE	BCH027
Touran	1.6	1595	07/03-05/10	P	BGU, BSF, BSE	BCH057
	1.6 TDI	1598	05/10-05/15	D	CAYB, CAYC	BCH032
	1.9 TDI	1896	02/03-05/10	D	AVQ, BKC, BLS, BRU, BXE, BXF, BXJ	BCH028 Vehicles with Hydraulic Followers/Lifters
	2.0 TDI	1968	02/03-05/10	D	AZV, BKD, BMN	BCH025
	2.0 TDI	1968	05/10-05/15	D	CFHC, CLCA	BCH029
	2.0 TDI	1968	12/05-05/10	D	BMM	BCH028 Vehicles with Hydraulic Followers/Lifters
Transporter/Caravelle/ Multivan Mk V	1.9 TDI	1896	04/03-11/09	D	AXB, AXC, BRR, BRS	BCH028 Vehicles with Hydraulic Followers/Lifters
	2.0 BiTDI	1968	09/09-	D	CFCA	BCH031
	2.5 TDI	2461	04/03-11/09	D	AXD, AXE, BLJ, BNZ, BPC	BCH027

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● Late Version

Vehicles with Hydraulic Followers/Lifters

◆ Early Version

▲ Non-VVC Engines

□ Please refer to 'Important Notes' Section

■ CRD Engines

^ Non CRD Engines

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ALH	BCH050	48	# 
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ANU	BCH028	27	# 
AQM	BCH050	48	# 
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ASK	BCH050	48	# 
ASV	BCH050	48	# 
ASY	BCH050	48	# 
ASZ	BCH028	27	# 
ATD	BCH028	27	# 
ATJ	BCH028	27	# 
AUY	BCH028	27	# 
AVB	BCH028	27	# 
AVF	BCH028	27	# 
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AWX	BCH028	27	# 
AXB	BCH028	27	# 
AXC	BCH028	27	# 
AXD	BCH027	26	
AXE	BCH027	26	
AXR	BCH028	27	# 
AYQ	BCH050	48	# 
AZV	BCH025	24	
B 13 DTR	BCH067	65	● 
BAC	BCH027	26	
BDJ	BCH028	27	# 
BDK	BCH028	27	# 
BEW	BCH028	27	# 
BGU	BCH057	55	
BGW	BCH028	27	# 

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BJK	BCH060	58	
BJL	BCH060	58	
BJM	BCH060	58	
BKC	BCH028	27	# 
BKD	BCH025	24	
BKE	BCH028	27	# 
BKP	BCH025	24	
BLB	BCH025	24	
BLJ	BCH027	26	
BLS	BCH028	27	# 
BLT	BCH028	27	# 
BMA	BCH025	24	
BMM	BCH028	27	# 
BMN	BCH025	24	
BMP	BCH028	27	# 
BMR	BCH025	24	
BMT	BCH028	27	# 
BNA	BCH025	24	
BNZ	BCH027	26	
BPC	BCH027	26	
BPE	BCH027	26	
BPW	BCH028	27	# 
BPX	BCH028	27	# 
BPZ	BCH028	27	# 
BRB	BCH028	27	# 
BRD	BCH025	24	
BRE	BCH025	24	
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BRT	BCH028	27	# 
BRU	BCH028	27	# 
BSE	BCH057	55	
BSF	BCH057	55	
BSS	BCH028	27	# 
BST	BCH028	27	# 
BSU	BCH028	27	# 
BSV	BCH028	27	# 
BSW	BCH028	27	# 
BSY	BCH025	24	
BTB	BCH028	27	# 
BUK	BCH028	27	# 
BUY	BCH025	24	
BVE	BCH025	24	
BVF	BCH025	24	
BVG	BCH025	24	
BVH	BCH028	27	# 
BVK	BCH028	27	# 
BWC	BCH025	24	
BWV	BCH025	24	
BXE	BCH028	27	# 
BXF	BCH028	27	# 
BXJ	BCH028	27	# 
CAYA	BCH032	31	
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CAYE	BCH032	31	
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CDCA	BCH030	29	
CEBA	BCH060	58	
CEBB	BCH060	58	
CECA	BCH060	58	
CECB	BCH060	58	
CFCA	BCH031	30	
CFFA	BCH029	28	
CFFB	BCH029	28	
CFFD	BCH029	28	
CFFE	BCH029	28	
CFGB	BCH029	28	
CFGC	BCH029	28	
CFHA	BCH029	28	
CFHB	BCH029	28	
CFHC	BCH029	28	
CFHD	BCH029	28	
CFHF	BCH029	28	
CFJA	BCH029	28	
CGLB	BCH029	28	
CGLC	BCH029	28	
CGLD	BCH029	28	
CJCA	BCH029	28	
CJCB	BCH029	28	
CJCC	BCH029	28	
CKTB	BCH030	29	
CKTC	BCH030	29	
CKUB	BCH030	29	
CKUC	BCH030	29	
CLCA	BCH029	28	
CLCB	BCH029	28	
CLJA	BCH029	28	

Engine Code	Part Number	Page No.	Notes
CLLA	BCH029	28	
CLLB	BCH029	28	
CLNA	BCH032	31	
CMFA	BCH029	28	
CMGA	BCH029	28	
CMGB	BCH029	28	
CNEA	BCH029	28	
CNFA	BCH029	28	
CNFB	BCH029	28	
CSHA	BCH029	28	
CVRA	BCH035	33	
CVRB	BCH035	33	
CVRC	BCH035	33	
CYRA	BCH035	33	
CYRB	BCH035	33	
CYRC	BCH035	33	
D 4164 T	BCH026	25	
D13A	BCH067	65	●
D2FA	BCH018	19	^
D2FB	BCH018	19	^
D2FE	BCH018	19	^
D3EA	BCH055	53	
D3FA	BCH059	57	
D4BA	BCH001/CCH001	5,1	
D4BA	BCH044	42	
D4BH	BCH001/CCH001	5,1	
D4BH	BCH044	42	
D4BX	BCH044	42	
D4EA	BCH022	23	
D4EA-V	BCH022	23	
D4EB	BCH022	23	

Engine Code	Part Number	Page No.	Notes
D4FA (Ford)	BCH018	19	^
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DOFA	BCH018	19	^
DRRA	BCH035	33	
DRRB	BCH035	33	
DRRC	BCH035	33	
ECD	BCH025	24	
ENF	BCH042	40	
EP6	BCH052	50	
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EP6CDTX	BCH052	50	
F1AE0481A	BCH016	17	
F1AE0481D	BCH016	17	
F1AE0481M	BCH016	17	
F1AE0481N	BCH016	17	
F1CE0441A	BCH017	18	
F1CE0481A	BCH017	18	
F1CFA401A	BCH017	18	
F4FA	BCH018	19	^
F8Q 600	BCH051	49	
F8Q 606	BCH051	49	
F8Q 622	BCH051	49	
F8Q 630	BCH051	49	
F8Q 632	BCH051	49	
F8Q 662	BCH051	49	
F8Q 676	BCH051	49	
F8Q 696	BCH051	49	
F8Q 714	BCH051	49	
F8Q 790	BCH051	49	
FD4	BCH067	65	●
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FXFA	BCH018	19	^
G13B	BCH036	34	
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G16B	BCH036	34	
G8DA	BCH026	25	
G8DB	BCH026	25	
G8DD	BCH026	25	
G8DE	BCH026	25	
G8DF	BCH026	25	
GBVAJPF	BCH035	33	
GBVAJQJ	BCH035	33	
GBVAJQW	BCH035	33	
GPDA	BCH026	25	
GPDB	BCH026	25	
GPDC	BCH026	25	
H9FA	BCH019	20	■
H9FB	BCH020	21	■
H9FD	BCH020	21	■
HHDA	BCH026	25	
HHDB	BCH026	25	
HHJC	BCH026	25	
HHJD	BCH026	25	
HHJE	BCH026	25	
JXFA	BCH020	21	■
JXFC	BCH020	21	■
K4J 710	BCH063	61	
K4J 711	BCH063	61	
K4J 712	BCH063	61	
K4J 713	BCH063	61	
K4J 714	BCH063	61	
K4J 730	BCH063	61	

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K4J 732	BCH063	61	
K4J 740	BCH063	61	
K4J 750	BCH063	61	
K4J 770	BCH063	61	
K4J 780	BCH063	61	
K4M 690	BCH063	61	
K4M 697	BCH063	61	
K4M 700	BCH063	61	
K4M 701	BCH063	61	
K4M 704	BCH063	61	
K4M 708	BCH063	61	
K4M 710	BCH063	61	
K4M 714	BCH063	61	
K4M 716	BCH063	61	
K4M 718	BCH063	61	
K4M 720	BCH063	61	
K4M 740	BCH063	61	
K4M 742	BCH063	61	
K4M 743	BCH063	61	
K4M 744	BCH063	61	
K4M 745	BCH063	61	
K4M 748	BCH063	61	
K4M 750	BCH063	61	
K4M 752	BCH063	61	
K4M 753	BCH063	61	
K4M 760	BCH063	61	
K4M 761	BCH063	61	
K4M 762	BCH063	61	
K4M 766	BCH063	61	
K4M 782	BCH063	61	
K4M 788	BCH063	61	

Engine Code	Part Number	Page No.	Notes
K4M 790	BCH063	61	
K4M 791	BCH063	61	
K4M 794	BCH063	61	
K4M 800	BCH063	61	
K4M 801	BCH063	61	
K4M 804	BCH063	61	
K4M 812	BCH063	61	
K4M 813	BCH063	61	
K4M 824	BCH063	61	
K4M 830	BCH063	61	
K4M 831	BCH063	61	
K4M 834	BCH063	61	
K4M 838	BCH063	61	
K4M 839	BCH063	61	
K4M 848	BCH063	61	
K4M 850	BCH063	61	
K4M 854	BCH063	61	
K4M 858	BCH063	61	
K4M 862	BCH063	61	
K4M 866	BCH063	61	
K9K 700	BCH012	14	
K9K 702	BCH012	14	
K9K 704	BCH012	14	
K9K 710	BCH012	14	
K9K 712	BCH012	14	
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K9K 728	BCH012	14	
K9K 729	BCH012	14	
K9K 750	BCH012	14	
K9K 752	BCH012	14	
K9K 790	BCH012	14	

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LDV	BCH067	65	
LSF	BCH067	65	
N13 B16 A	BCH052	50	
N14 B16 A	BCH052	50	
N14 B16 C	BCH052	50	
N18 B16 A	BCH052	50	
N18 B16 C	BCH052	50	
OM 601.970	BCH062	60	
OM 611.960	BCH040	38	
OM 611.960	BCH043	41	
OM 611.961	BCH040	38	
OM 611.961	BCH043	41	
OM 611.962	BCH041	39	
OM 611.962	BCH043	41	
OM 611.980	BCH039	37	
OM 611.981	BCH039	37	
OM 611.981	BCH043	41	
OM 611.987	BCH039	37	
OM 612.961	BCH042	40	
OM 612.962	BCH042	40	
OM 612.963	BCH042	40	
OM 612.965	BCH042	40	
OM 612.967	BCH042	40	
OM 646.951	BCH041	39	
OM 646.961	BCH041	39	
OM 646.962	BCH041	39	
OM 646.962	BCH043	41	
OM 646.963	BCH041	39	
OM 646.963	BCH043	41	
OM 646.966	BCH041	39	
OM 646.980	BCH041	39	

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OM 646.981	BCH041	39	
OM 646.982	BCH041	39	
OM 646.983	BCH041	39	
OM 646.984	BCH041	39	
OM 646.985	BCH041	39	
OM 646.986	BCH041	39	
OM 646.989	BCH041	39	
OM 646.990	BCH041	39	
P8FA	BCH021	22	
PHFA	BCH020	21	
PHFC	BCH020	21	
QVFA	BCH021	22	
QWFA	BCH021	22	
SEBA	BCH053	51	
SEWA	BCH053	51	
SRFA	BCH021	22	
USRA	BCH035	33	
USRB	BCH035	33	
W10 B16 A	BCH058	56	
W11 B16 A	BCH058	56	
WEAT	BCH009/CCH009	11,3	
WL	BCH014/CCH014	16, 4	
WLAA	BCH009/CCH009	11,3	
WLAT	BCH009/CCH009	11,3	
WLE7	BCH014/CCH014	16, 4	
WL-T	BCH014/CCH014	16, 4	
Y 13 DT	BCH011	13	
Y 17 DT	BCH047	45	
Y 17 DTL	BCH047	45	
Y601	BCH026	25	
Y642	BCH026	25	

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YD22DDT	BCH005	7	
YD22ETI	BCH005	7	
YD22ETI	BCH006	8	
YD25DDTi	BCH005	7	
YD25DDTi	BCH006	8	
YD25K3LD-5MI	BCH037	35	
YD25K3LD-5MI	BCH037	35	
Z 13 DT	BCH011	13	
Z 13 DTE	BCH067	65	
Z 13 DTH	BCH011	13	
Z 13 DTJ	BCH011	13	
Z 13 DTJ	BCH067	65	
Z 17 DTH	BCH010	12	
Z 17 DTJ	BCH010	12	
Z 17 DTL	BCH010	12	
Z 17 DTR	BCH010	12	
ZSD-422	BCH035	33	
ZSD-424	BCH020	21	



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Cross References

Manufacturer	Cross Reference	FAI Part Number
ALFA ROMEO	71724174	BCH067
ALFA ROMEO	71749340	BCH067
AMC	908098	BCH051
AMC	908505	BCH005
AMC	908510	BCH006
AMC	908512	BCH044
AMC	908513	BCH001
AMC	908514	BCH004
AMC	908517	BCH045
AMC	908518	BCH046
AMC	908519	BCH007
AMC	908521	BCH012
AMC	908527	BCH037
AMC	908545	BCH016
AMC	908546	BCH017
AMC	908554	BCH047
AMC	908555	BCH010
AMC	908556	BCH011
AMC	908558	BCH067
AMC	908571	BCH062
AMC	908572	BCH039
AMC	908573	BCH040
AMC	908574	BCH041
AMC	908575	BCH042
AMC	908577	BCH043
AMC	908596	BCH026
AMC	908613	CCH001
AMC	908701	BCH032
AMC	908703	BCH050
AMC	908712	BCH027

Manufacturer	Cross Reference	FAI Part Number
AMC	908713	BCH060
AMC	908716	BCH028
AMC	908718	BCH025
AMC	908725	BCH029
AMC	908726	BCH030
AMC	908727	BCH031
AMC	908744	BCH014
AMC	908745	BCH014
AMC	908747	BCH014
AMC	908749	BCH009
AMC	908766	BCH018
AMC	908767	BCH019
AMC	908768	BCH020
AMC	908773	BCH022
AMC	908783	BCH033
AMC	908784	BCH008
AMC	908844	CCH014
AMC	908845	CCH014
AMC	908847	CCH014
AMC	908849	CCH009
AMC	908867	BCH021
AMC	909051	BCH013
AMC	909052	BCH013
AMC	909053	BCH048
AMC	909055	BCH049
AMC	909056	BCH013
AMC	910581	BCH057
AMC	908614K	CCH004
BMW	11127508536	BCH058
CHRYSLER / JEEP	68001295A	BCH025

Manufacturer	Cross Reference	FAI Part Number
CITROEN	9806024610	BCH052
CITROEN	0200.EH	BCH026
CITROEN	0200.GW	BCH021
CITROEN	0200.JW	BCH067
CITROEN	967836981A	BCH052
CITROEN	981239288A	BCH052
DACIA	7701473181	BCH012
DACIA	110417781R	BCH012
FIAT	71724123	BCH017
FIAT	71724174	BCH067
FIAT	71724181	BCH021
FIAT	71729497	BCH011
FIAT	71739601	BCH011
FIAT	71749340	BCH067
FIAT	71752505	BCH016
FIAT	71771718	BCH016
FIAT	71792175	BCH017
FIAT	504049268	BCH016
FIAT	9662378080	BCH021
FORD	1099947	BCH018
FORD	1118995	BCH028
FORD	1229884	BCH026
FORD	1331233	BCH019
FORD	1333272	BCH018
FORD	1433147	BCH021
FORD	1433148	BCH020
FORD	1475887	BCH020
FORD	1477183	BCH026
FORD	1676242	BCH026
FORD	1701871	BCH019

Cross References

Manufacturer	Cross Reference	FAI Part Number
FORD	1701911	BCH018
FORD	1740110	BCH035
FORD	1767479	BCH026
FORD	1897087	BCH035
FORD	4689001	BCH053
FORD	4903053	BCH014
FORD	4903053	CCH014
FORD	4986980	BCH009
FORD	40443225	BCH014
FORD	40443225	CCH014
FORD	6C1Q-6C032-AA	BCH021
FORD	BK3Q-6049-AC	BCH035
FORD	BK3Q-6090-AC	BCH035
FORD	FB3Q-6C032-AA	BCH035
FORD	RM7M5Q-6C032-FA	BCH026
HYUNDAI	2210027750	BCH022
HYUNDAI	2210027800	BCH022
HYUNDAI	22001-4XA10	BCH059
HYUNDAI	22100-27500	BCH055
HYUNDAI	22100-27501	BCH055
HYUNDAI	22100-2A000	BCH056
HYUNDAI	22100-2A000	BCH059
HYUNDAI	22100-2A001	BCH056
HYUNDAI	22100-2A050	BCH056
HYUNDAI	22100-2A300	BCH056
HYUNDAI	22100-2A301	BCH056
HYUNDAI	22100-42000	BCH001
HYUNDAI	22100-42000	CCH001
HYUNDAI	22100-42200	BCH001
HYUNDAI	22100-42200	CCH001

Manufacturer	Cross Reference	FAI Part Number
HYUNDAI	22100-42201	BCH044
HYUNDAI	22100-42210	BCH044
HYUNDAI	22100-42400	BCH001
HYUNDAI	22100-42400	BCH044
HYUNDAI	22100-42400	CCH001
HYUNDAI	22100-42401	BCH044
HYUNDAI	22100-42402	BCH001
HYUNDAI	22100-42402	BCH044
HYUNDAI	22100-42402	CCH001
HYUNDAI	22100-42521	BCH001
HYUNDAI	22100-42521	CCH001
HYUNDAI	22100-42522	BCH001
HYUNDAI	22100-42522	CCH001
HYUNDAI	22100-42523	BCH001
HYUNDAI	22100-42523	CCH001
HYUNDAI	22100-42530	BCH001
HYUNDAI	22100-42530	CCH001
HYUNDAI	22100-42531	BCH001
HYUNDAI	22100-42531	CCH001
HYUNDAI	22100-427A1	BCH044
HYUNDAI	22100-42900	BCH044
HYUNDAI	22100-42920	BCH044
HYUNDAI	22100-42960	BCH001
HYUNDAI	22100-42960	CCH001
HYUNDAI	22100-42A20	BCH001
HYUNDAI	22100-42A20	CCH001
HYUNDAI	22100-4X300	BCH059
HYUNDAI	22100-4X500	BCH059
HYUNDAI	22100-4X911	BCH059
HYUNDAI	22111-27501	BCH055

Manufacturer	Cross Reference	FAI Part Number
HYUNDAI	501Y52AH00	BCH056
HYUNDAI	501Y52AH00A	BCH056
HYUNDAI	K149P-10090	BCH059
ISUZU	8-94327-269-0	BCH061
ISUZU	8-94431-520-0	BCH061
ISUZU	8-94431-520-4	BCH061
ISUZU	8-94431-523-0	BCH061
ISUZU	8-94455-240-1	BCH061
ISUZU	8-97086-338-2	BCH038
ISUZU	8-97086-338-4	BCH038
ISUZU	8-97109-642-0	BCH061
ISUZU	8-97109-643-1	BCH061
IVECO	71752505	BCH016
IVECO	71771718	BCH016
IVECO	504049268	BCH016
IVECO	504110672	BCH017
KIA	2210027400	BCH022
KIA	22001-4XA10	BCH059
KIA	22100-27500	BCH055
KIA	22100-27501	BCH055
KIA	22100-2A000	BCH056
KIA	22100-2A000	BCH059
KIA	22100-2A001	BCH056
KIA	22100-2A050	BCH056
KIA	22100-2A300	BCH056
KIA	22100-2A301	BCH056
KIA	22100-4X300	BCH059
KIA	22100-4X500	BCH059
KIA	22100-4X911	BCH059
KIA	22111-27501	BCH055



Cross References

Manufacturer	Cross Reference	FAI Part Number
KIA	501Y52AH00	BCH056
KIA	501Y52AH00A	BCH056
KIA	K149P-10090	BCH059
LANDROVER	LDF109390	BCH054
LANDROVER	LDF500160	BCH065
LANDROVER	LDF500170	BCH066
LANDROVER	LR0185	BCH020
MAZDA	L30910090B	BCH053
MAZDA	L30910090C	BCH053
MAZDA	WE0110100J	BCH009
MAZDA	WE0110100K	BCH009
MAZDA	WL1110100A	BCH014
MAZDA	WL1110100A	CCH014
MAZDA	WL1110100E	BCH014
MAZDA	WL1110100E	CCH014
MAZDA	WL3110100H	BCH014
MAZDA	WL3110100H	CCH014
MERCEDES	6110102320	BCH039
MERCEDES	6110103620	BCH043
MERCEDES	6110104420	BCH039
MERCEDES	6110105020	BCH041
MERCEDES	6110105420	BCH039
MERCEDES	6110106620	BCH039
MERCEDES	6110106720	BCH039
MERCEDES	6110106820	BCH039
MERCEDES	6110162101	BCH039
MERCEDES	6120102320	BCH042
MERCEDES	6460100620	BCH041
MERCEDES	6460101020	BCH041
MERCEDES	6460101420	BCH041

Manufacturer	Cross Reference	FAI Part Number
MERCEDES	A6010105620	BCH062
MERCEDES	A6010106120	BCH062
MERCEDES	A6110100920	BCH040
MINI	11127508536	BCH058
MITSUBISHI	1005A560	BCH007
MITSUBISHI	1005B326	BCH045
MITSUBISHI	1005B452	BCH007
MITSUBISHI	1005B453	BCH007
MITSUBISHI	MD109736	BCH044
MITSUBISHI	MD139564	BCH044
MITSUBISHI	MD185920	BCH044
MITSUBISHI	MD185922	BCH044
MITSUBISHI	MD185926	BCH044
MITSUBISHI	MD303750	BCH001
MITSUBISHI	MD303750	CCH001
MITSUBISHI	MD348983	BCH001
MITSUBISHI	MD348983	CCH001
MITSUBISHI	ME193804	BCH004
MITSUBISHI	ME193804	CCH004
MITSUBISHI	ME194766	BCH045
MITSUBISHI	ME194790	BCH045
MITSUBISHI	ME202620	BCH004
MITSUBISHI	ME202620	CCH004
MITSUBISHI	ME204200	BCH046
MITSUBISHI	ME204399	BCH045
NISSAN	11039EB30A	BCH006
NISSAN	11039EC00A	BCH006
NISSAN	110405M300	BCH005
NISSAN	110405M301	BCH005
NISSAN	110405M302	BCH005

Manufacturer	Cross Reference	FAI Part Number
NISSAN	110405X00A	BCH037
NISSAN	11040BN360	BCH005
NISSAN	11040EB300	BCH006
NISSAN	11040EB30A	BCH006
NISSAN	11040EC00A	BCH006
NISSAN	11040EC00C	BCH006
NISSAN	1104100QAM	BCH012
NISSAN	110417781R	BCH012
OPEL	607151	BCH010
OPEL	607155	BCH047
OPEL	4400196	BCH051
OPEL	4403885	BCH051
OPEL	5607076	BCH047
OPEL	5607150	BCH047
OPEL	5607170	BCH011
OPEL	55206386	BCH067
OPEL	93192097	BCH010
OPEL	8-94327-269-0	BCH061
OPEL	8-94431-520-0	BCH061
OPEL	8-94431-520-4	BCH061
OPEL	8-94431-523-0	BCH061
OPEL	8-94455-240-1	BCH061
OPEL	8-97109-642-0	BCH061
OPEL	8-97109-643-1	BCH061
PEUGEOT	9806024610	BCH052
PEUGEOT	0200.GW	BCH021
PEUGEOT	0200.JW	BCH067
PEUGEOT	967836981A	BCH052
PEUGEOT	981239288A	BCH052
RENAULT	7701471013	BCH051

Cross References

Manufacturer	Cross Reference	FAI Part Number
RENAULT	7701471364	BCH063
RENAULT	7701473352	BCH063
RENAULT	7701473353	BCH063
RENAULT	7701474361	BCH063
RENAULT	7701475914	BCH063
RENAULT	7701478460	BCH051
RENAULT	7711134641	BCH051
RENAULT	7711135349	BCH063
RENAULT	7711497299	BCH051
ROVER GROUP	18K4FJ31153993	BCH054
ROVER GROUP	18K4FJ32147263	BCH054
SUZUKI	11100-52G01	BCH036
SUZUKI	11100-57B02	BCH036
SUZUKI	11100-68L10-000	BCH067
SUZUKI	11100-71C01	BCH036
SUZUKI	11110-71810	BCH036
SUZUKI	11110-71811	BCH036
SUZUKI	11110-82607	BCH036
SUZUKI	1111084A500	BCH012
TOYOTA	1110130040	BCH008
TOYOTA	1110130050	BCH033
TOYOTA	1110130060	BCH008
TOYOTA	1110130070	BCH008
TOYOTA	1110130071	BCH008
TOYOTA	1110130080	BCH033
TOYOTA	1110154120	BCH013
TOYOTA	1110154121	BCH013
TOYOTA	11101-17040	BCH064
TOYOTA	11101-54111	BCH049
TOYOTA	11101-54130	BCH048

Manufacturer	Cross Reference	FAI Part Number
TOYOTA	11101-54131	BCH048
VAG	038 103 351 B	BCH050
VAG	038 103 351 X	BCH050
VAG	038 103 373 E	BCH050
VAG	038103351D	BCH028
VAG	03G103351C	BCH028
VAG	03L103063M	BCH029
VAG	03L103351B	BCH032
VAG	03L103351C	BCH030
VAG	03L103351D	BCH031
VAG	03L103351F	BCH029
VAG	03L103351G	BCH030
VAG	03L103351H	BCH029
VAG	03L103351L	BCH031
VAG	03L103351N	BCH030
VAG	03L103351P	BCH029
VAG	06B103351F	BCH057
VAG	06B103351T	BCH057
VAG	070103063D	BCH027
VAG	070103063K	BCH027
VAG	070103063Q	BCH027
VAG	070103063R	BCH027
VAG	070103063S	BCH027
VAG	076103351E	BCH060
VAUXHALL	607155	BCH047
VAUXHALL	4400196	BCH051
VAUXHALL	4403885	BCH051
VAUXHALL	5607076	BCH047
VAUXHALL	5607150	BCH047
VAUXHALL	5607173	BCH011

Manufacturer	Cross Reference	FAI Part Number
VAUXHALL	55206386	BCH067
VAUXHALL	55576874	BCH010
VAUXHALL	55588017	BCH010
VAUXHALL	93192097	BCH010
VAUXHALL	98014406	BCH010
VAUXHALL	98095697	BCH010
VAUXHALL	8-94327-269-0	BCH061
VAUXHALL	8-94431-520-0	BCH061
VAUXHALL	8-94431-520-4	BCH061
VAUXHALL	8-94431-523-0	BCH061
VAUXHALL	8-94455-240-1	BCH061
VAUXHALL	8-97109-642-0	BCH061
VAUXHALL	8-97109-643-1	BCH061
VOLKSWAGEN	03G103351B	BCH025
VOLKSWAGEN	03G103351E	BCH025
VOLKSWAGEN	J11 101 541 11	BCH049
VOLVO	8603391	BCH026



Get in touch

UK **t** +44 (0)1525 351800
f +44 (0)1525 351804
e enquiry@faiauto.com

Export **t** +44 (0)1525 351836
f +44 (0)1525 382518
e export@faiauto.com

Address

FAI Automotive Plc, The Chiltern Trading Estate, Grovebury Road, Leighton Buzzard, Bedfordshire, LU7 4TU, UK

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