

Graded Diesel Head Gaskets

Did you know? Diesel engine manufacturers use different thickness cylinder head gaskets for greater control over the engine's combustion process. A head gasket with the correct thickness or grading can ensure correct emissions, better fuel economy and improved performance.

Fitting the correct thickness head gasket also provides sufficient clearance, preventing engine pistons from coming into contact with the cylinder head valves.

Identifying Graded Head Gaskets

The method for grading and identification of head gaskets is different for each engine. Found on the old head gaskets, grade indicators include:

- Alpha-numeric codes
- Grading holes
- Grading notches
- Specific notch position

Correct head gasket selection can also be determined by measuring the piston protrusion, from the engine block.

Permasseal's online catalogue provides selection data sheets to assist with correct identification. Look out for the micrometer tool icon on our catalogue pages.



NOW AVAILABLE

Alfa Romeo 147, 159

Crankshaft Seal Front
Crankshaft Seal Rear
Camshaft Seal
Valve Stem Seal Set
Valve Stem Seal Set

AR937/9

OSS0513
OSA0025
OSS0510
VSS0437-16
VSS0436-16

2006 - 2012

From eng no. 5192516
To eng no. 5192515

Holden Astra AH

Head Set
Valve Regrind Set
Conversion Set
Graded Head Gasket
Graded Head Gasket
Head Bolt Set
Head Bolt Set
Rocker Cover
Manifold Inlet
Manifold Exhaust
Camshaft Seal
Crankshaft Seal Rear

Z19DT

V3790SSHS
V3165SSN
C3165K
S3165SS-2
S3165SS-3
HBS392
HBS391
RC3522
MG4137
MG4138
OSS0508
OSA0025

2006 - 2010

0.92mm
1.02mm
Bolt length 224mm
Bolt length 218mm

Holden Astra AH

Valve Regrind Set
Rocker Cover
Valve Stem Seal Set
Valve Stem Seal Set
Camshaft Seal
Crankshaft Seal Front
Crankshaft Seal Rear

Z19DTH

V3168SSN
RC3524
VSS0437-16
VSS0436-16
OSS0510
OSS0513
OSA0025

2007 on

From eng no. 17180895
To eng no. 17180894

Holden Barina TM

Valve Regrind Set
Head Set
Manifold Inlet

F16D4

V3795SS
V3795SSHS
MG4152

2010 on

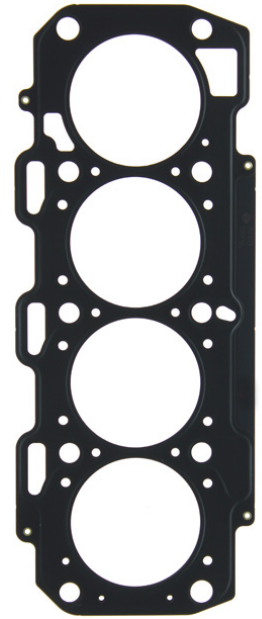
Holden Cruze JG, JH

Head Set

F18D4

V3790SSHS

2009 on



Holden Astra AH
Graded Head Gasket:
S3165SS-2



Holden Astra AH
Rocker Cover: RC3522

NOW AVAILABLE

Saab 9-3, 9-5

Valve Regrind Set
Rocker Cover
Valve Stem Seal Set
Valve Stem Seal Set
Camshaft Seal
Crankshaft Seal Front
Crankshaft Seal Rear

Z19DTH

V3168SSN
RC3524
VSS0436-16
VSS0437-16
OSS0510
OSS0513
OSA0025

2007 - 2010

To eng no. 17180894
From eng no. 17180895

Toyota Hiace TRH221, 201

Head Set

2TR

V3765SSHS

2005 - 10/2006

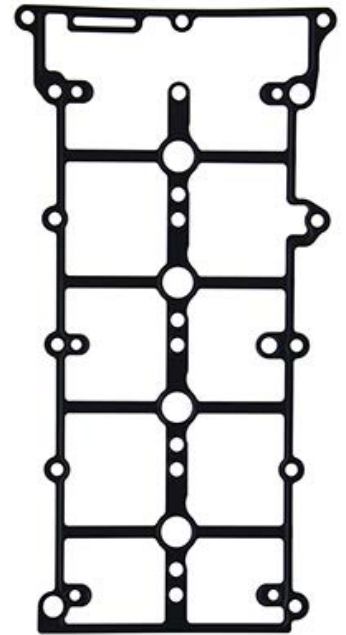
**Toyota Rav4, Rukus
ACA33, 38**

Head Set

2AZ

V2241SSXHS

2005 - 2015



Saab 9-3
Z19DTH
Rocker Cover: RC3522



Saab 9-3
Z19DTH
Crankshaft Seal Rear:
OSA0025