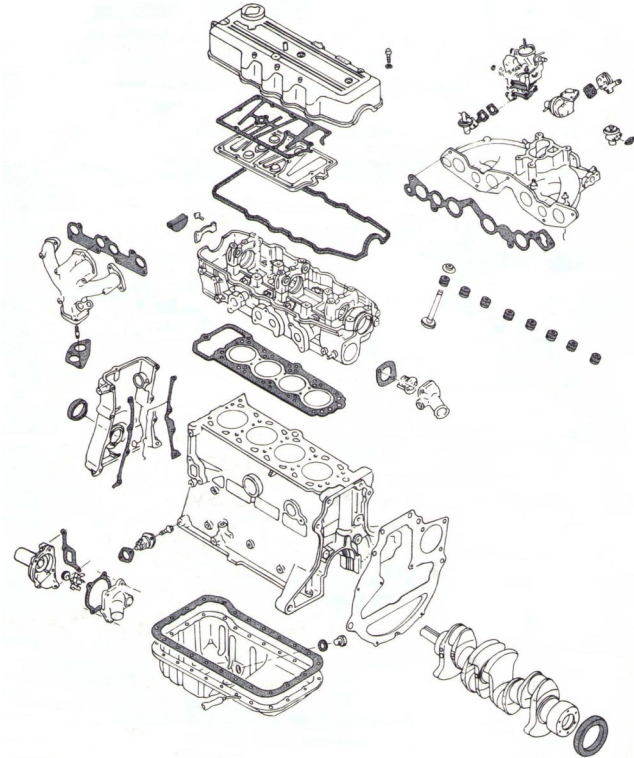


BASIC GUIDE TO ENGINE PARTS TERMINOLOGY

PRODUCT: GASKETS

WHERE ARE THEY IN THE ENGINE?



WHAT DO THEY DO?

The gaskets in an engine create the seal between static parts.

WHAT ARE THEY?

Gaskets are traditionally made of a soft fibrous material, which is compressed under the assembly loading to conform to the irregularities of the mating surfaces to achieve an effective seal. Gasket material can also be paper, rubber, cork, metal, polymer, graphite or composite.

GASKETS: COMMON TERMINOLOGY

- **Monotorque ®:**
This is a premium brand head gasket manufactured by ACL, which does not require to be retorqued
- **Multi-layer Steel:**
Gaskets made of layers of steel, sandwiched together. Predominantly used in high heat, high compression or performance applications
- **Silicone Beading:**
Coloured beading on the gasket face to assist sealing by increasing clamping load in that particular area
- **Head Gasket:**
Gasket that seals to the cylinder head to the cylinder block. Usually made of composite or graphite but can also be steel
- **Head Bolt Set:**
One set of cylinder head bolts to repair one engine
- **Head Set:**
Set of gaskets and seals required when performing maintenance to the cylinder head
- **Full Set:**
Set of gaskets and seals required for a complete engine overhaul
- **Conversion Set:**
Set of gaskets that presents the difference between the head set and full set
- **Head Shim:**
A steel spacer to compensate for the loss of material when machining a cylinder head

GASKETS: COMMON TERMINOLOGY continued

- **Intake Manifold Gasket:**
Gasket to seal the intake manifold to the cylinder head
- **Exhaust Manifold Gasket:**
Gasket to seal the exhaust manifold to the cylinder head
- **Plenum Gasket:**
Gasket between intake manifold and plenum chamber on EFI models
- **Flange Gasket:**
Gasket that seals the exhaust pipe flange, manifold and muffler system
- **Turbo Gasket:**
Gaskets to seal the exhaust manifold to the turbo and turbo to drop pipe
- **Rocker Cover Gasket:**
Also called valve cover or tappet cover gasket. Gasket to seal rocker cover to cylinder head
- **Spark Plug Seals:**
Gaskets that seal the sparkplug recess in the rocker cover
- **Rocker Bolt Seals:**
Nitrile washers that seals the rocker cover bolts
- **Sump Gasket:**
Also called a sump set or oil pan gasket. It contains the gaskets required to seal the sump
- **Valve Stem Seals:**
Special oil seals that fit over valve stems
- **Balance Shaft Oil Seal:**
Oil seal that seals the balance shaft in the cylinder block
- **Camshaft Oil Seal:**
Oil seal that seals the camshaft in the cylinder head
- **Rear Main Oils Seal:**
Oil seal that seals the crankshaft in the rear of the cylinder block
- **Oil Pump Seal:**
Oil seal that seals the oil pump shaft in the cylinder block
- **Timing Cover Oil Seal:**
Oil seal that seals the crankshaft in the timing cover housing
- **Timing Seal Kit:**
Set containing all the oil seals that may be required when replacing a timing belt
- **Cam Plug (1/2 Moon):**
Round or half round sealing plug in back of camshaft tunnel on cylinder head
- **Water Pump Gasket:**
Gasket to seal the water pump to cylinder block
- **Thermostat Gasket:**
Gasket to seal thermostat housing to cylinder head