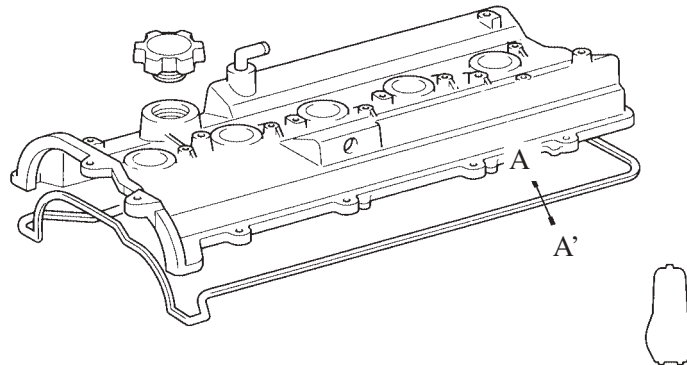


■ ENGINE PROPER

1. Cylinder Head Cover

- The cylinder head cover is made of lightweight aluminum alloy.
- A rubber ring type gasket that excels in sealing performance has been adopted for the cylinder head cover gasket.



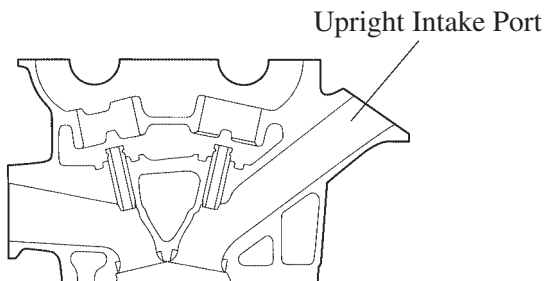
A-A' Cross Section

163EG04

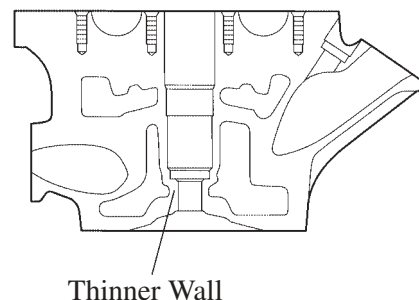
EG

2. Cylinder Head

- The cylinder head is made of lightweight aluminum alloy.
- An upright intake port has been adopted to improve the intake efficiency.
- The area surrounding the spark plug has been made thinner to improve the cooling performance. By lowering the wall surface temperature at the top of the combustion chamber in this manner, the engine's knock resistance has been improved.



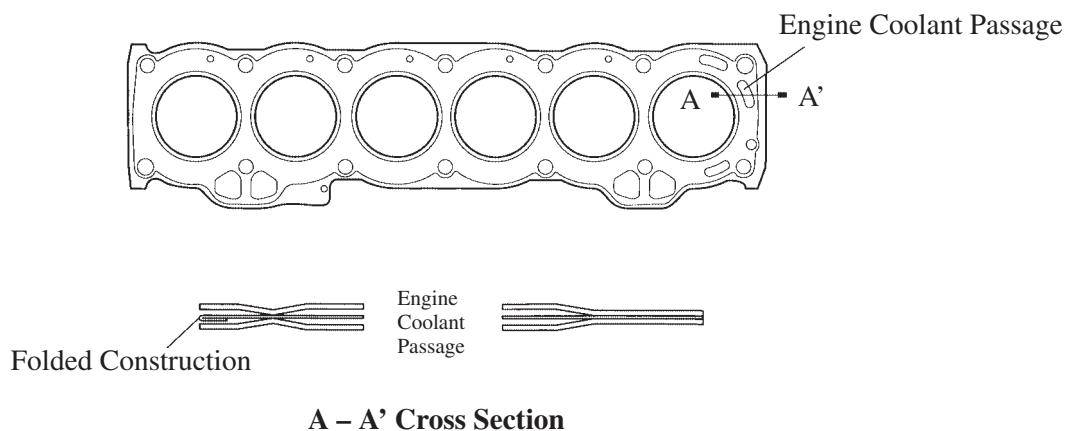
163EG05



163EG06

3. Cylinder Head Gasket

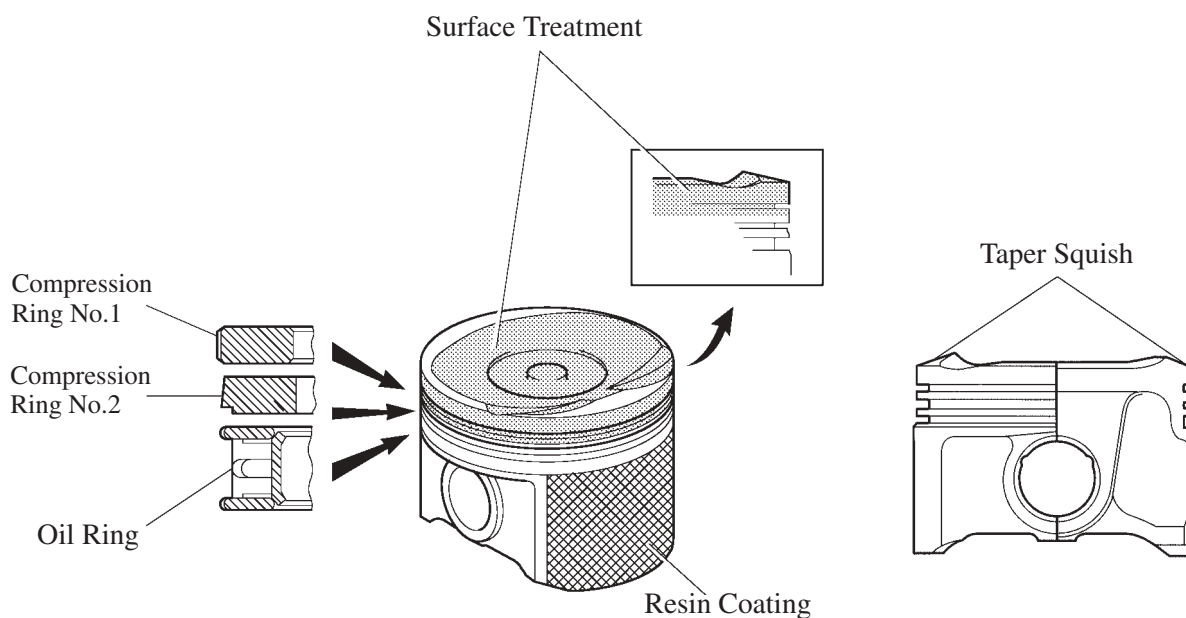
A metal type cylinder head gasket that excels in sealing performance and durability has been adopted. The side that faces the combustion chamber is folded to accommodate the high performance engine.



163EG07

4. Piston

- The piston head portion has adopted a taper squish shape to improve the fuel combustion efficiency.
- The piston skirt has adopted a short, right-left asymmetric shape. Also, the skirt has been resin-coated for friction loss operation.
- The piston head and groove for the top ring have been surface-treated to improve the strength of the piston.
- The piston ring tension has been optimized to realize reduction of the friction loss operation and improve fuel economy.

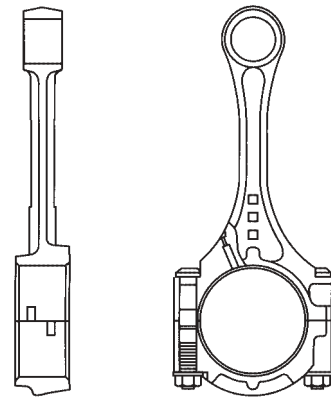


163EG08

163EG09

5. Connecting Rod

The connecting rod is made of high-strength vanadium steel. Also, its skeletal shape has been optimized to realize a lightweight and high-strength construction in order to reduce vibration and noise, and to accommodate the high power output of the engine.

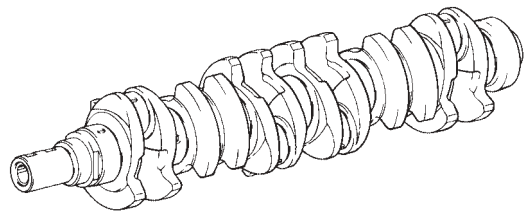


163EG10

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6. Crankshaft

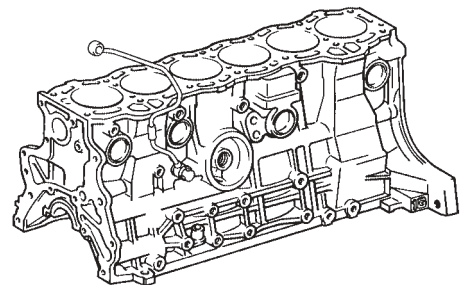
The crankshaft contains 7 journals and 12 balance weights.



163EG11

7. Cylinder Block

The cylinder block is made of highly rigid cast iron.



163EG12