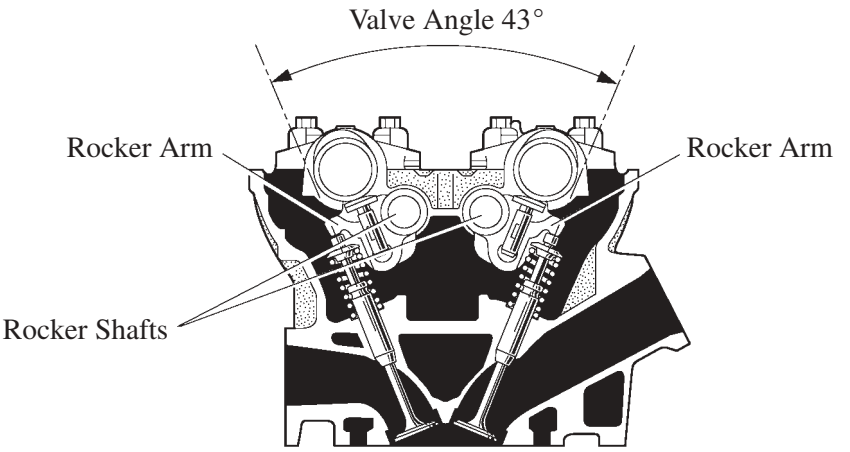
■ ENGINE PROPER

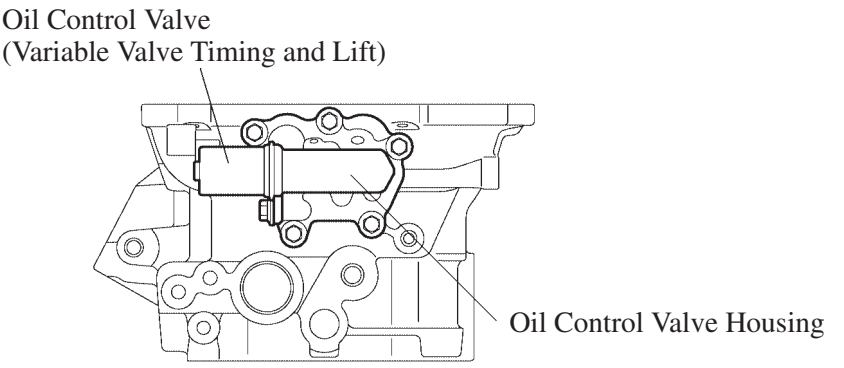
1. Cylinder Head

- The valve angle has been increased to improve the intake and exhaust efficiency.
- Along with the adoption of the VVTL-i (Variable Valve Timing and Lift-intelligent) system, the cylinder head supports the installation of the rocker arm type valve mechanism.



169EG07

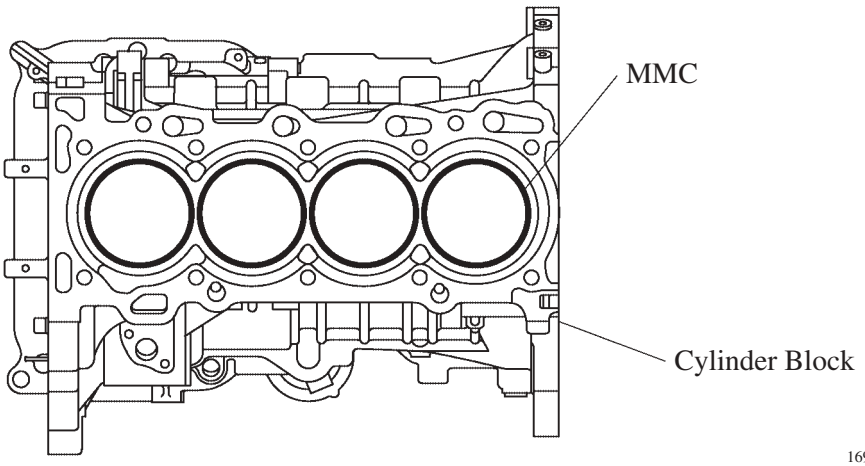
- Along with the adoption of the VVTL-i system, an oil control valve housing for variable valve lift has been adopted at the rear side of cylinder head.



169EG08

2. Cylinder Block

The cylinder block is made of aluminum alloy, and the cylinder walls are made of MMC (Metal Matrix Composite) to ensure wear resistance and achieve a linerless construction.



169EG09

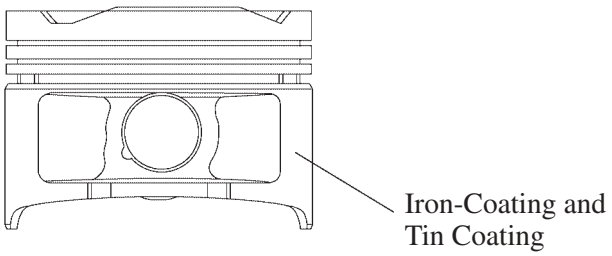
– REFERENCE –

MMC (Metal Matrix Composites)

It is a type of composite material that is made of a metal matrix for the purpose of obtaining characteristics such as high strength, high elasticity, and low thermal expansion.

3. Piston

The piston surface has been iron-coated and tin-coated.



169EG10