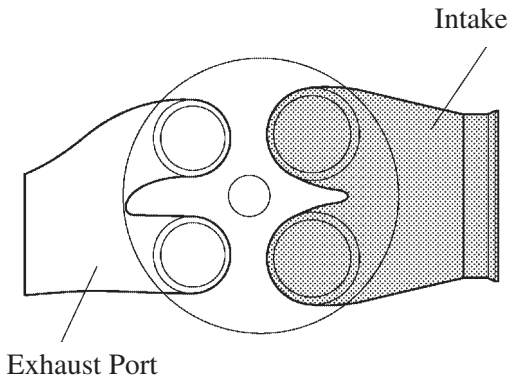
■ENGINE PROPER

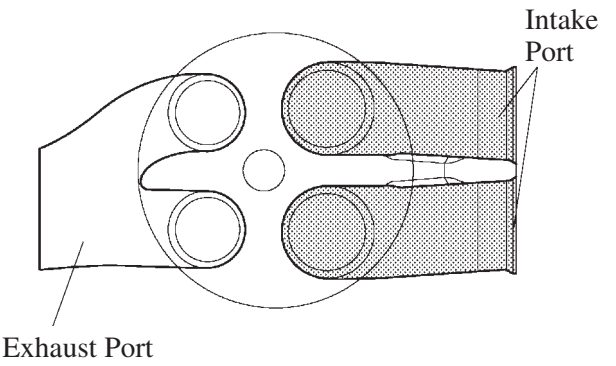
1. Cylinder Head

The shape of the intake port has been changed from the independent type to a Siamese type in order to reduce the overall surface area of the intake port walls. This prevents the fuel from adhering onto the intake port walls, thus reducing HC exhaust emissions.



3RZ-FE Engine

215EG18

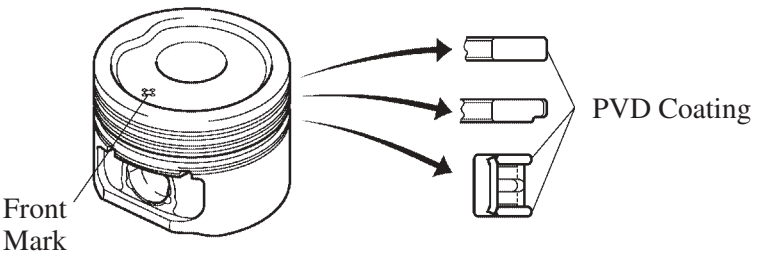


3RZ-F Engine

215EG19

2. Piston

The surfaces of the No. 1 piston ring and the oil ring have been applied with PVD (Physical Vapor Deposition) coating to reduce oil consumption.



210EG50

* PVD coating: Coating of the surface of a thin-film material with a hard substance such as titanium nitride of a thickness of a few μm.