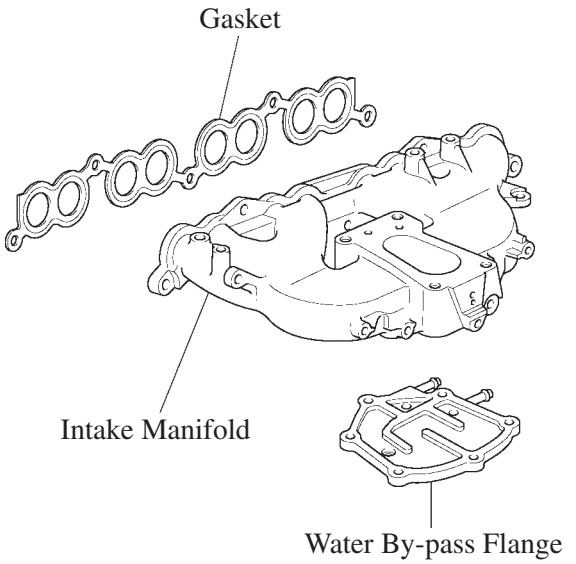
■INTAKE AND EXHAUST SYSTEM

1. Intake Manifold

For 3RZ-F Engine

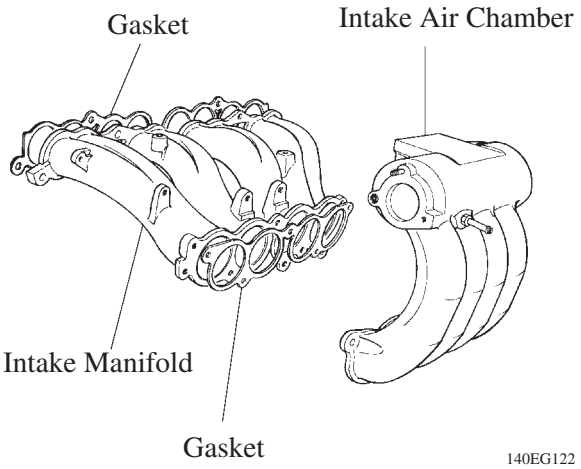
- The system incorporates a tournament port intake manifold to enhance distribution of the air-fuel mixture.
- The riser inside the manifold is heated by the hot coolant. This contributes to better atomizing of the air-fuel mixture when the engine is being warmed up, resulting in enhanced fuel combustion and vehicle drivability.
- A metallic gasket has been adopted for the intake manifold gasket to improve reliability and serviceability.



140EG128

For 2RZ-FE and 3RZ-FE Engine

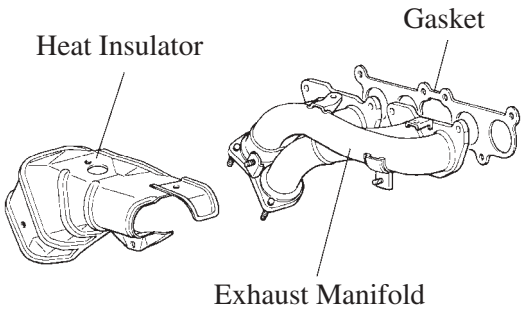
- An intake port is located in the center of the intake air chamber to distribute the optimum intake air volume.
- The intake manifold has long ports. The lower ports are divided into 8 ports for each intake valve.
- Metallic gaskets have been adopted for the intake manifold and the intake air chamber gaskets to improve reliability and serviceability.



140EG122

2. Exhaust Manifold

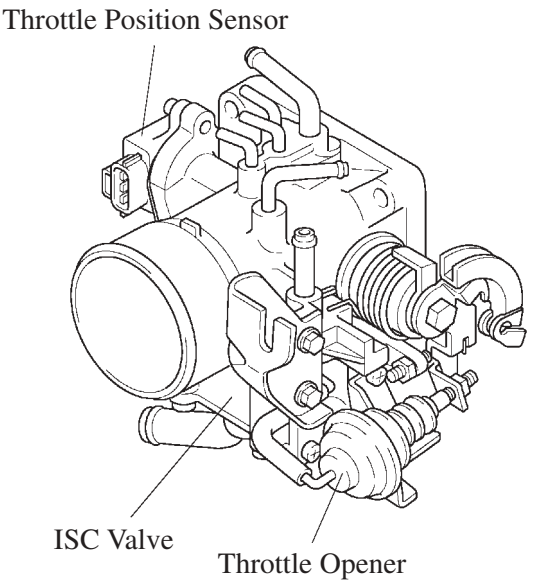
- A dual exhaust manifold made of stainless steel has been adopted to improve engine performance and to reduce weight.
- The stainless laminete type gasket is used for exhaust manifold gasket.



140EG49

3. Throttle Body (For 2RZ-FE and 3RZ-FE Engine)

- A linear type throttle position sensor and a rotary solenoid type ISC valve have been adopted.
- A throttle opener has been adopted to improve the engine's starting performance.



140EG24