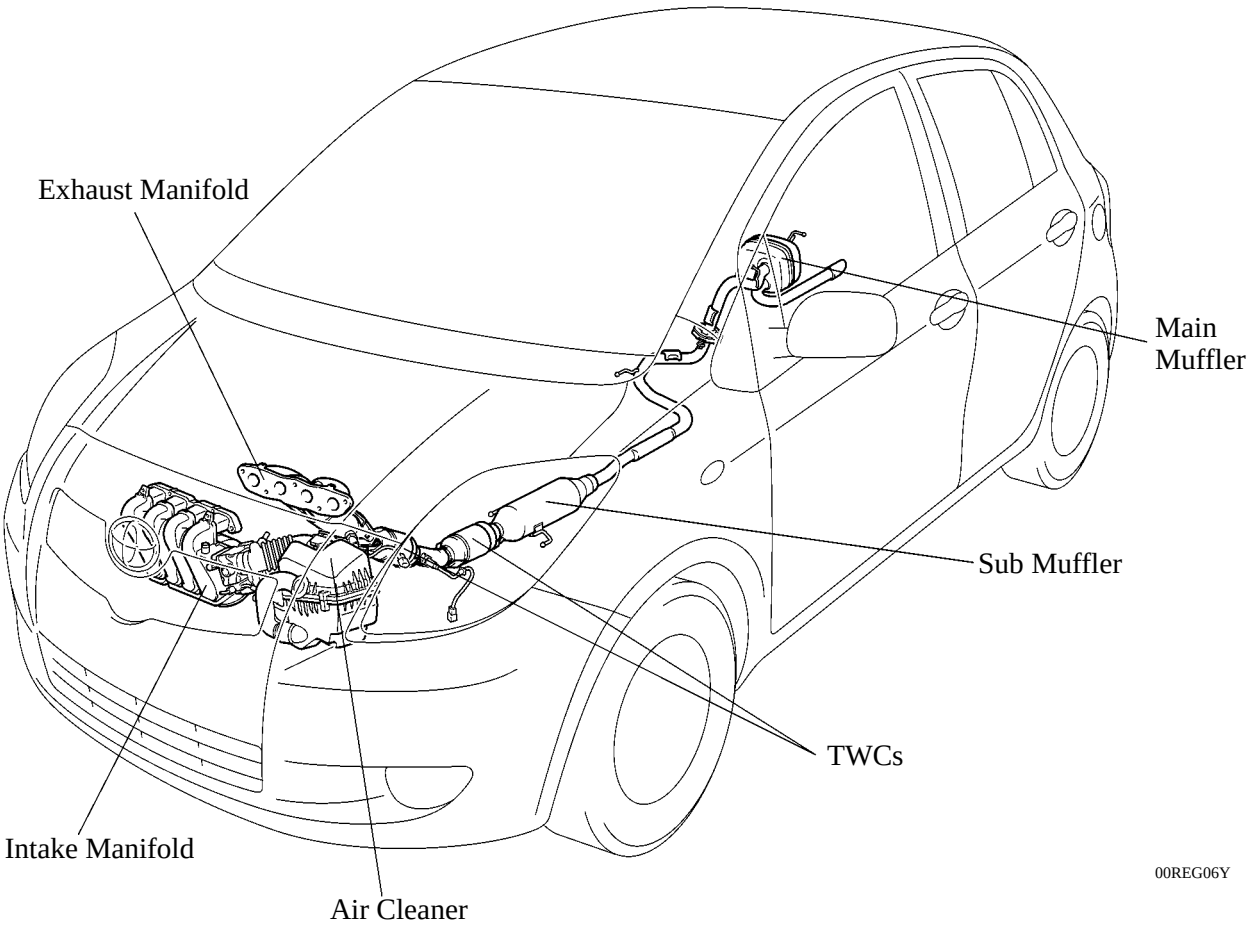
■INTAKE AND EXHAUST SYSTEM

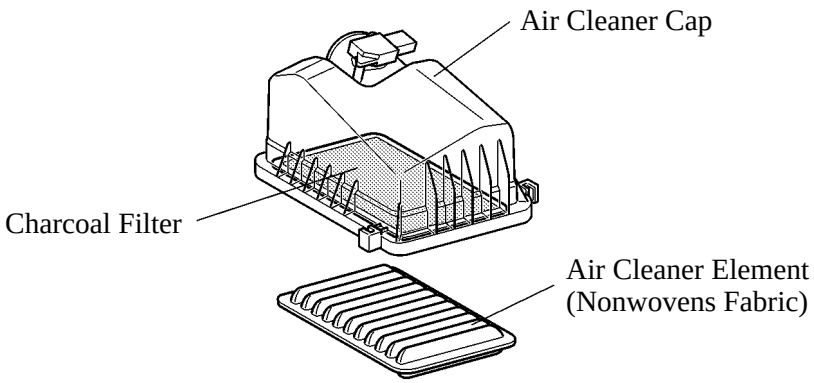
1. General

- A plastic intake manifold is used for weight reduction.
- The linkless-type throttle body is used to realize excellent throttle control.
- ETCS-i (Electronic Throttle Control System-intelligent) provides excellent throttle control. For details, see page EG-36.
- The exhaust pipe uses a ball joint in order to achieve a simple construction and reliability.



2. Air Cleaner

- A nonwoven, full-fabric type air cleaner element is used.
- A charcoal filter, which adsorbs the HC that accumulates in the intake system when the engine is stopped, is used in the air cleaner cap in order to reduce evaporative emissions.



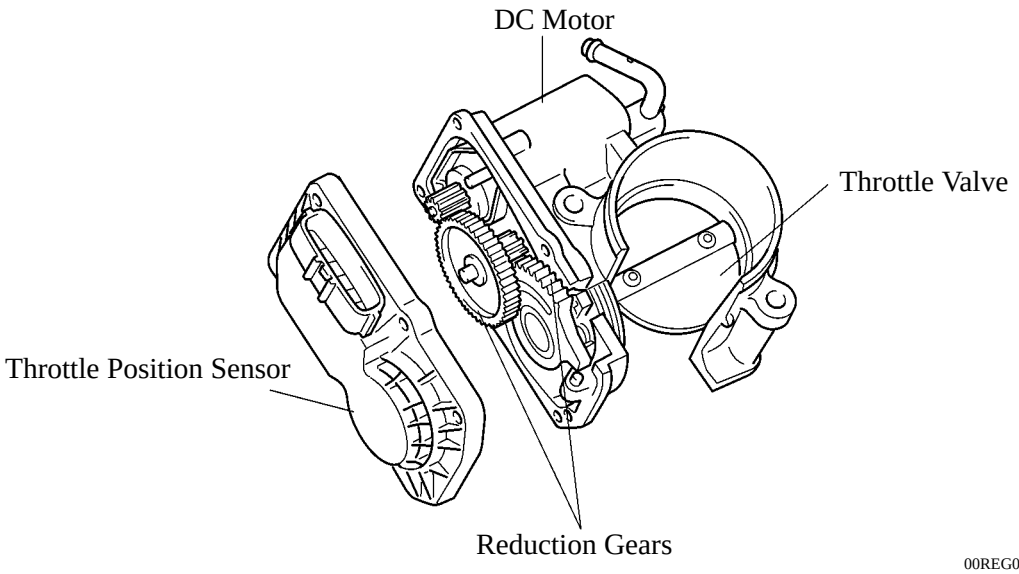
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Service Tip

The charcoal filter, which is maintenance-free, cannot be removed from the air cleaner cap.

3. Throttle Body

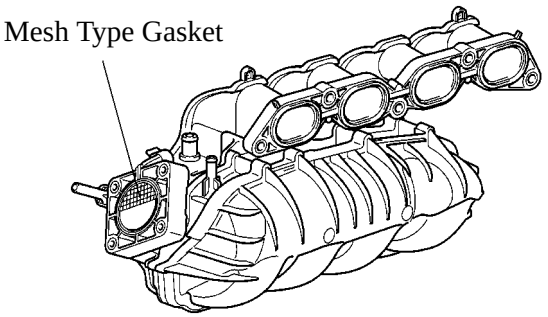
- The linkless-type throttle body is used and it realizes excellent throttle control.
- A DC motor with excellent response and minimal power consumption is used for the throttle control motor. The ECM performs the duty ratio control of the direction and the amperage of the current that flows to the throttle control motor in order to regulate the opening angle of the throttle valve.



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4. Intake Manifold

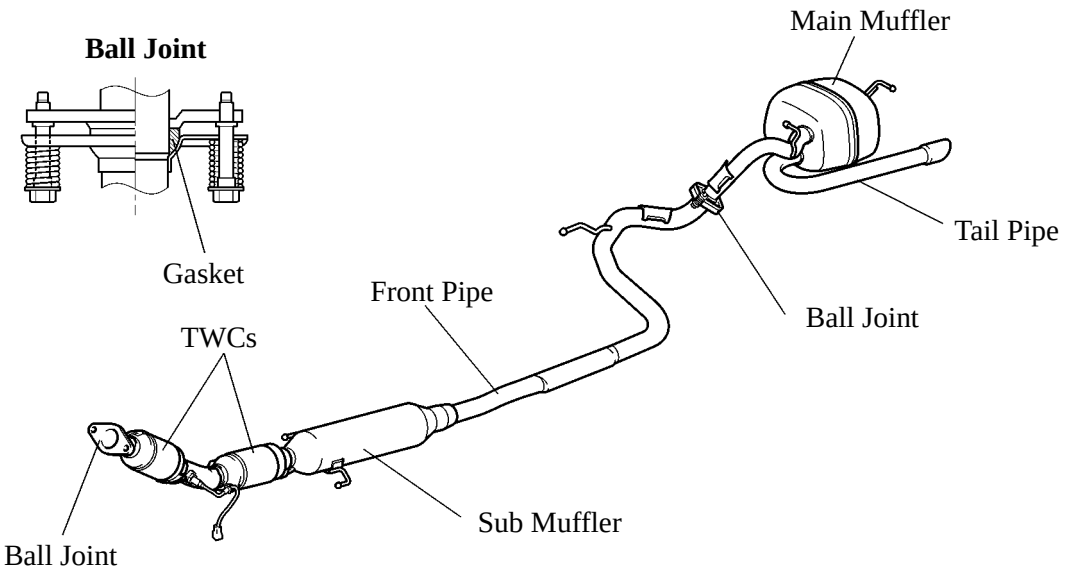
- The intake manifold has been made of plastic to reduce the weight and the amount of heat transferred from the cylinder head. As a result, it has become possible to reduce the intake temperature and improve the intake volumetric efficiency.
- A mesh type gasket is used in order to reduce the intake noise.



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5. Exhaust Pipe and Muffler

A ball joint is used to joint the exhaust manifold to the exhaust front pipe, and the exhaust front pipe to the exhaust tail pipe. As a result, a simple construction and improved reliability have been realized.



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