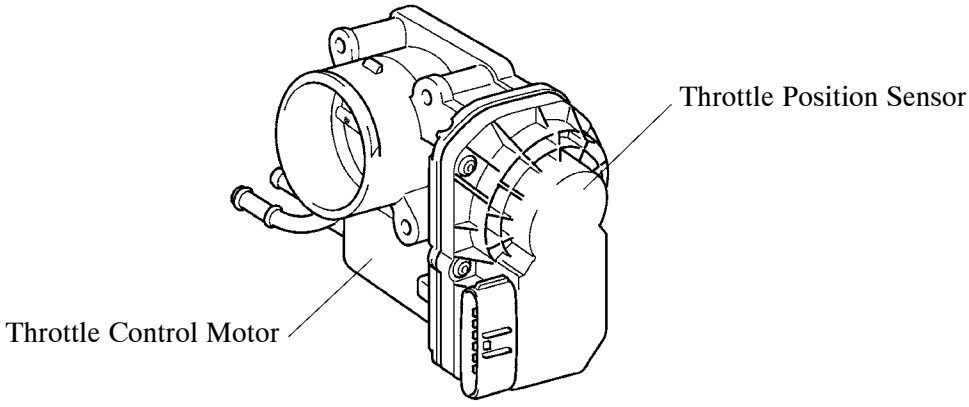
■INTAKE AND EXHAUST SYSTEM

1. General

- A DC motor-driven water cooled type diesel throttle and EGR valve are used.
- A more compact, more efficient EGR cooler in used.

2. Diesel Throttle

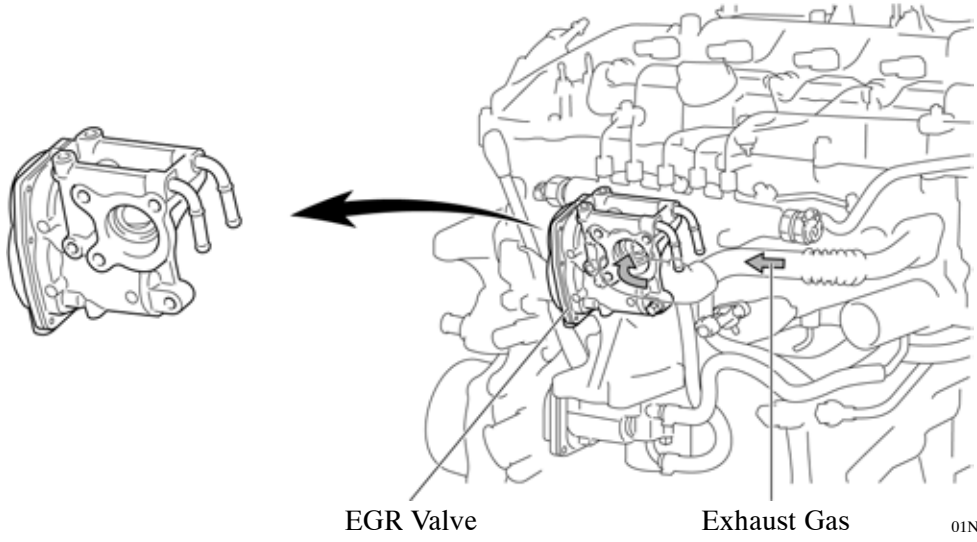
- The linkless-type diesel throttle is used and it realizes excellent throttle control.
- A DC motor with excellent response and minimal power consumption is used for the throttle control motor. The ECM performs the duty ratio control of the direction and the amperage of the current that flows to the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



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3. EGR Valve

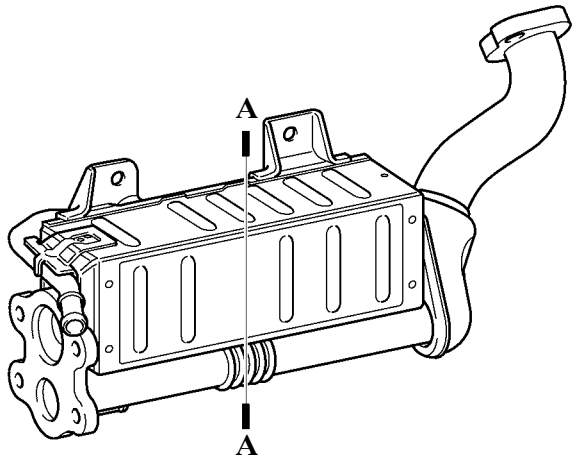
- A DC motor type of EGR valve is used. The placement of the EGR valve in the intake passage facilitates the uniform distribution of the EGR gas and intake air.
- An EGR valve position sensor is provided in the EGR valve. This sensor enables EGR valve control at a higher level of precision by detecting the amount of lift of the EGR valve.

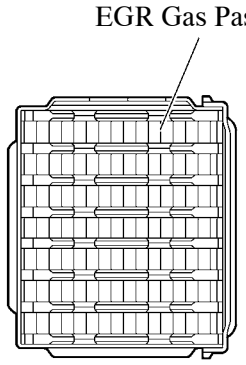


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4. EGR Cooler

The EGR gas passage has been changed from 5 layers to 7 layers, and EGR gas cooling efficiency has been improved.





A – A Cross Section

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