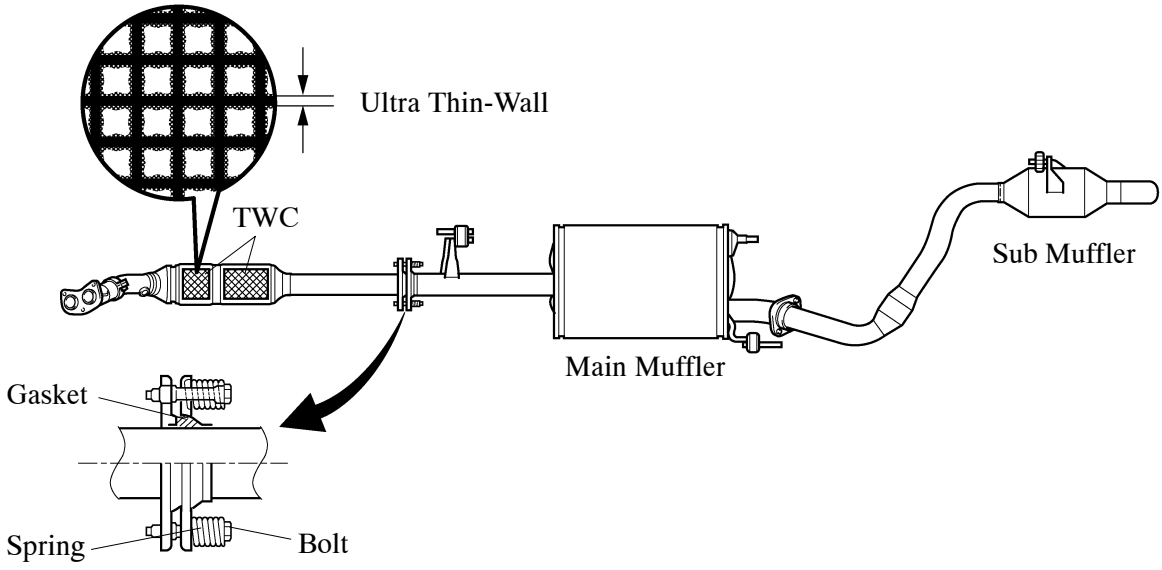
## ■INTAKE AND EXHAUST SYSTEM

### 1. Exhaust Pipe and Three-Way Catalytic Converter (Unleaded Model)

- In contrast to the previous model, the internal construction of the TWC has been changed on the new model. Two TWCs have been installed inline with the front pipe. Ultra thin-wall ceramic type TWCs has been adopted on front side to improve exhaust emission performance.
- A stainless steel made exhaust manifold has been adopted.
- The exhaust pipe is made of stainless steel for improved rust resistance.
- A ball joint is used to join the exhaust front pipe and exhaust center pipe. As result, a simple construction and improved reliability have been realized.






**Ball Joint**

233EG35

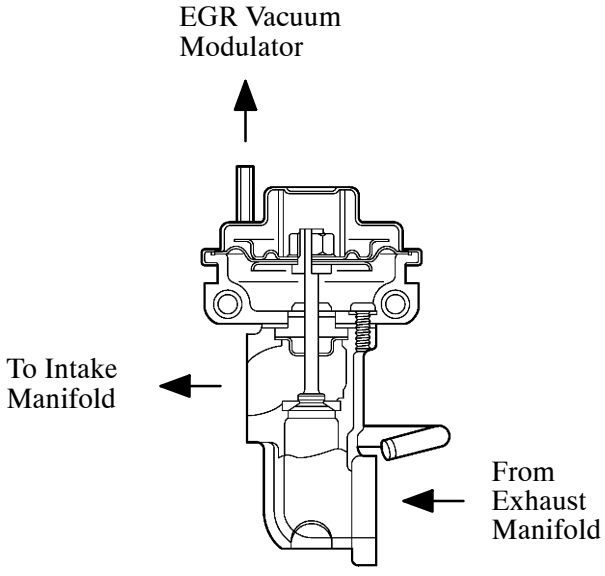
## 2. EGR System (Unleaded Model)

### General

This system is designed to help reduce and control NOx formation due to a slight reduction of peak temperature in the engine combustion chamber, which is accomplished by introducing a small amount of inert gas into intake manifold. For details of EGR control, see page EG-13.

### EGR Valve

Using the vacuum from the EGR vacuum modulator, the EGR valve opens and closes the valve to introduce exhaust gas into the intake manifold.




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