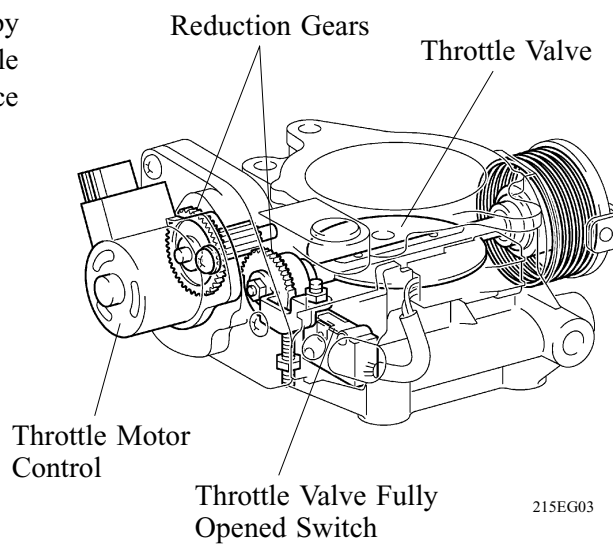


4. Intake and Exhaust System

Throttle Body

The throttle valve opening angle is controlled by the engine ECU via the step motor type throttle control motor to realize high EGR performance and low vibration when stopping the engine.

For details, [see page 25](#).

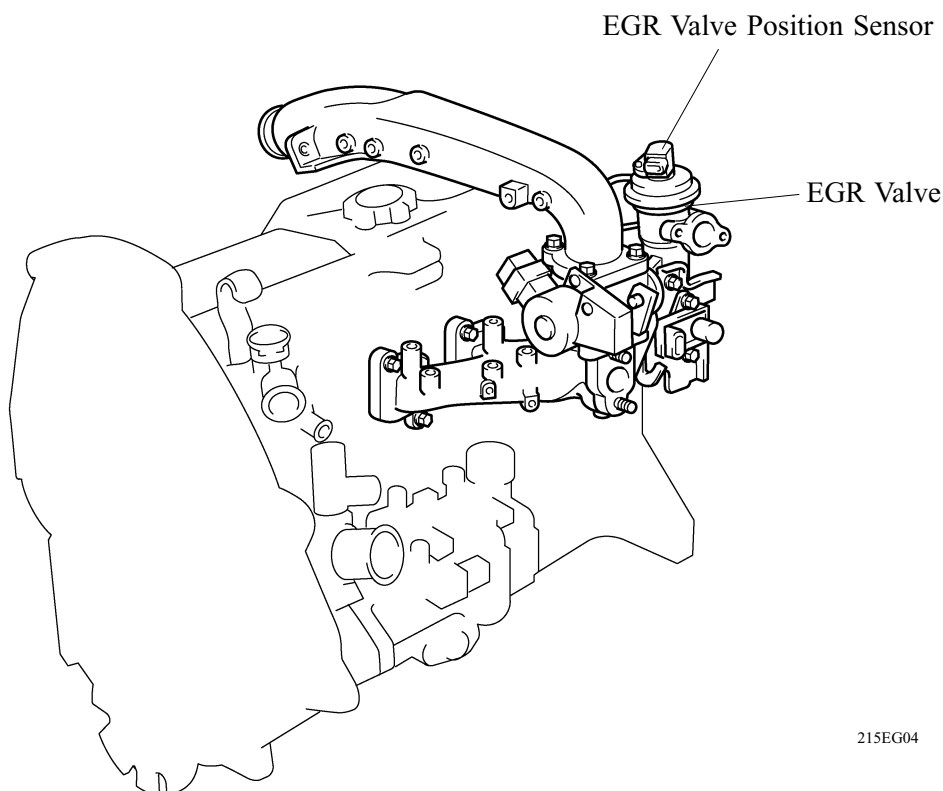


EGR System

1) General

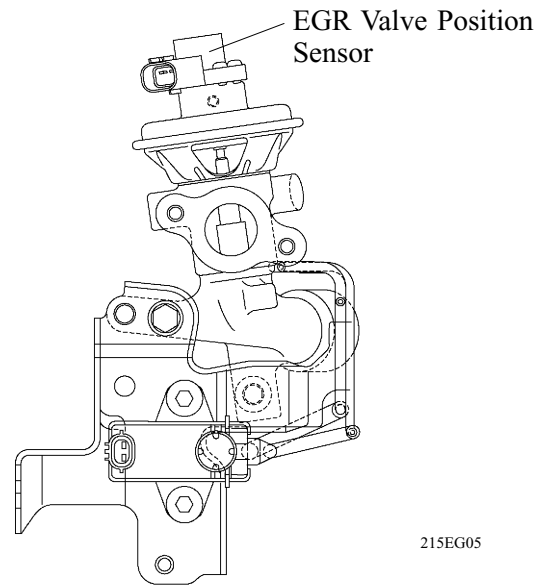
This system is designed to help reduce and control NOx formation due to a slight reduction of peak temperature in the engine combustion chamber, which is accomplished by introducing a small amount of inert gas into intake manifold.

For details of EGR control, [see page 26](#).



2) EGR Valve

An EGR valve position sensor has been provided in the EGR valve in order to directly measure the actual amount of the valve opening. This measurement is then input into the engine ECU in order to improve the precision of EGR control.



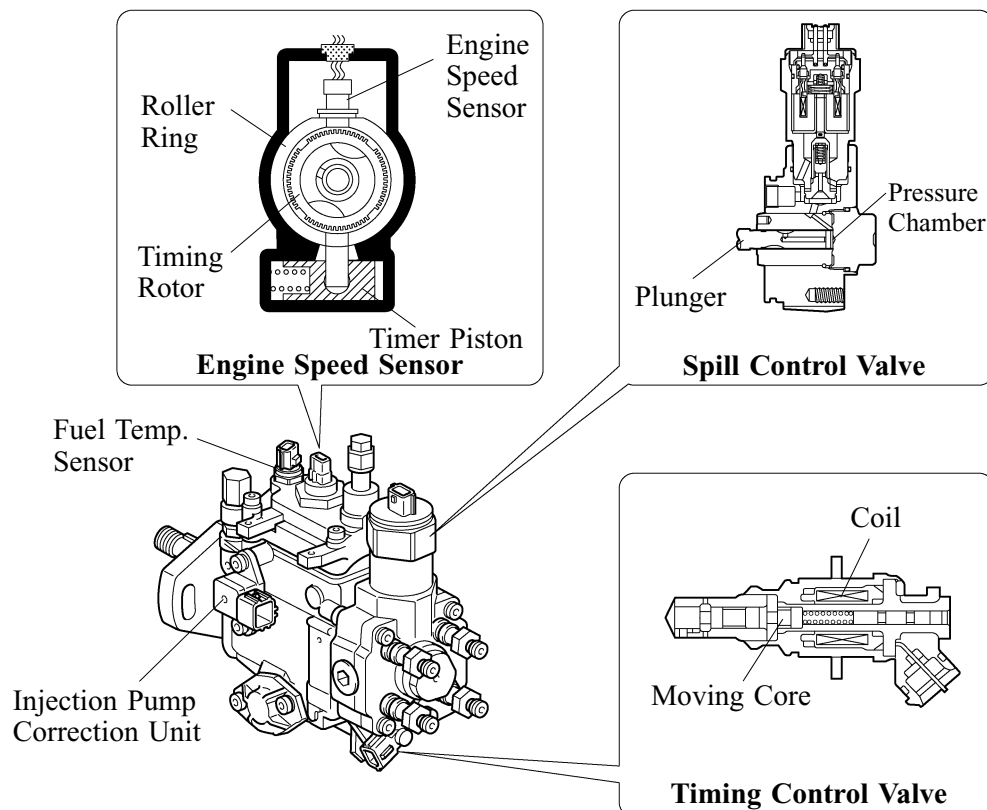
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5. Fuel System

Injection Pump

1) General

Along with the adoption of the Diesel EFI system, a spill control valve, timing control valve, fuel temperature sensor, engine speed sensor, and injection pump correction unit.



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