5. Fuel System

General

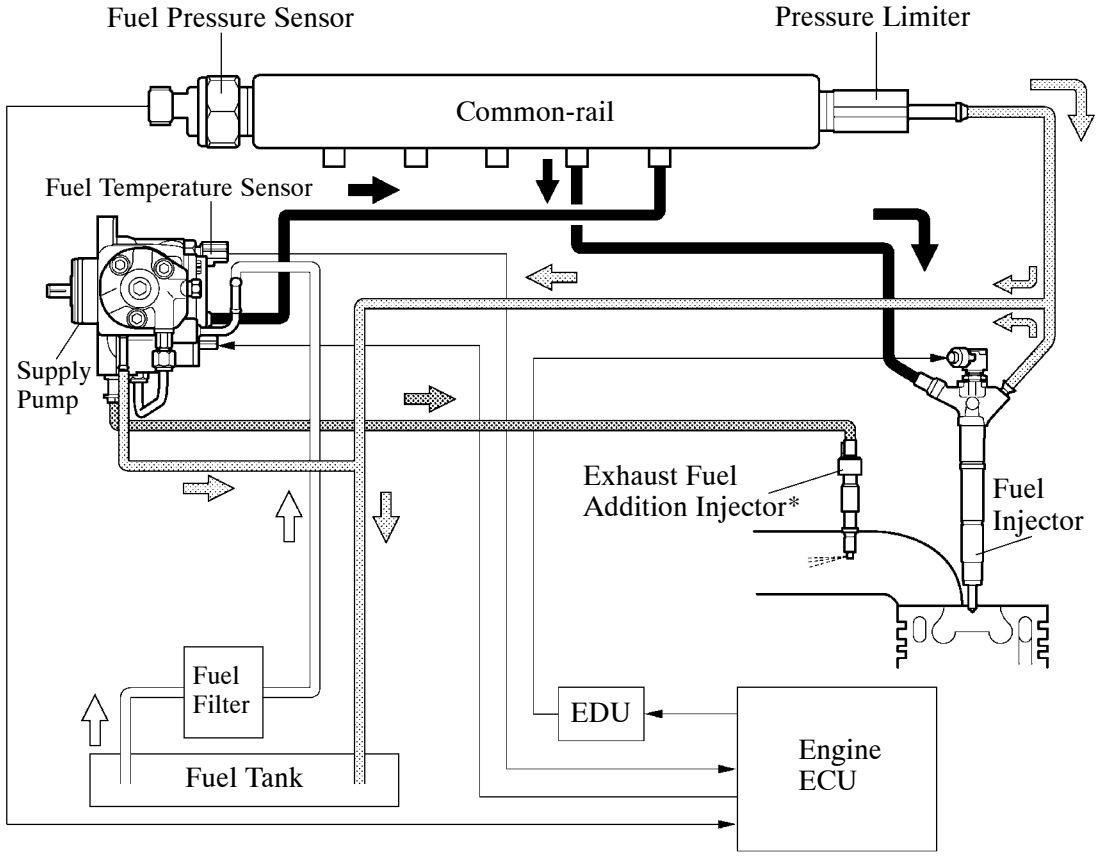
- The fuel outlet for the exhaust fuel addition injector is added to the supply pump.
- The exhaust fuel addition injector is added for catalyst support control.

Common-rail System

1) General

In this system, the high pressurized fuel that is supplied by the supply pump is stored in the common-rail, and the engine ECU sends signals to the injectors via the EDU (Electronic Driver Unit) in order to control the injection timing and injection volume.

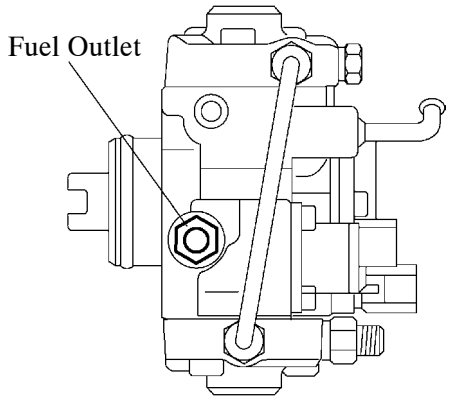
▶ System Diagram ◀



*: Only for DPF Catalyst Models

2) Supply Pump

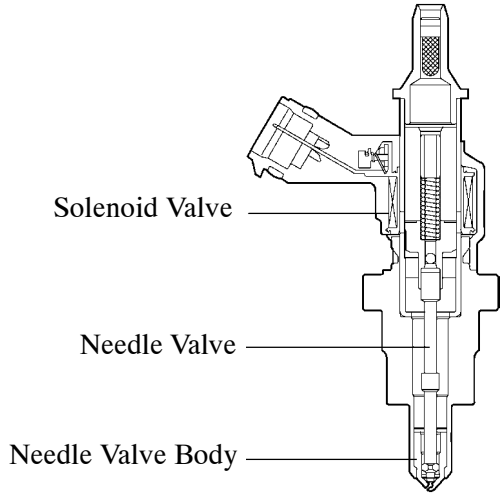
The fuel outlet for the exhaust fuel addition injector is added.



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3) Exhaust Fuel Addition Injector

- An exhaust fuel addition injector is installed on the No. 4 exhaust port of the cylinder head. This injector supplies additional fuel into the No. 4 exhaust port, and maintains the proper catalyst temperature for the purpose of PM (Particulate Matter) recovery.
- An exhaust fuel addition injector consists of a needle valve body, needle valve, and solenoid valve.



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