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Component Inspection

1.CHECK HIGH PRESSURE FUEL PUMP-1

1. Turn ignition switch OFF.
2. Disconnect high pressure fuel pump harness connector.
3. Check the resistance between high pressure fuel pump terminals as follows.

| High pressure fuel pump | | Condition | | Resistance |
|-------------------------|---|------------------------|----------------------|---------------|
| + | - | | | |
| Terminal | | | | |
| 1 | 2 | Temperature °C (°F) | 20 – 30 (68 – 86) | 0.46 - 0.51 Ω |

Q.Is the inspection result normal?

Yes 

No

Replace high pressure fuel pump. Refer to [Removal and Installation](#) .

2.CHECK HIGH PRESSURE FUEL PUMP-2

 WITH M.U.T.-III SE

1. Reconnect high pressure fuel pump harness connector.
2. Start the engine.
3. Check “FUEL PRES SEN” in “DATA MONITOR” of “ENGINE” with M.U.T.-III SE.

| Data monitor item | Condition | Voltage (Approx.) |
|-------------------|---|-------------------|
| FUEL PRESS V | Engine speed: idle | 0.820 - 1.160 V |
| | Engine speed: Revving engine from idle to 4,000 rpm | 0.820 – 2.900 V |

⊗ WITHOUT M.U.T.-III SE

1. Start the engine.
2. Check fuel rail pressure sensor signal voltage.

| + | | Ground | Condition | Voltage (Approx.) |
|---------------------------|----------|--------|---|-------------------|
| Fuel rail pressure sensor | | | | |
| Connector | Terminal | | | |
| F79 | 2 | Ground | Engine speed: idle | 1 V |
| | | | Engine speed: Revving engine from idle to 4,000 rpm | 1.1 V |

Q.Is the inspection result normal?

Yes

INSPECTION END

No

Replace high pressure fuel pump. Refer to [Removal and Installation](#) .