

Component Inspection

1.CHECK FUEL RAIL PRESSURE (FRP) SENSOR

① With M.U.T.-III SE

1. Turn ignition switch OFF.
2. Reconnect harness connector disconnected.
3. Start engine and warm it up to normal operating temperature.
4. Select "FUEL PRES SEN V" in "DATA MONITOR" mode of "ENGINE" using M.U.T.-III SE and check the indication under the following condition.

Monitor item	Condition		Indication
FUEL PRES SEN V	<ul style="list-style-type: none"> • Engine: After warming up • Selector lever: P or N position • A/C switch: OFF • No load 	Engine speed: Idle	0.820 – 1.160 V
		Revving engine from idle to 4,000 rpm quickly	0.820 – 2.900 V

② Without M.U.T.-III SE

1. Turn ignition switch OFF.
2. Reconnect harness connector disconnected.
3. Start engine and warm it up to normal operating temperature.
4. Check FRP sensor signal voltage.

ECM			Condition	Voltage
Connector	+	-		
	Terminal			
F51	58	41	[Engine is running] <ul style="list-style-type: none"> • Engine warm-up condition • Engine speed: Idle 	1 V
			[Engine is running] <ul style="list-style-type: none"> • Engine warm-up condition • Revving engine from idle to 4,000 rpm quickly 	1.1 V

Q.Is inspection result normal?

Yes

INSPECTION END

No

Replace FRP sensor. Refer to [Exploded View](#) .