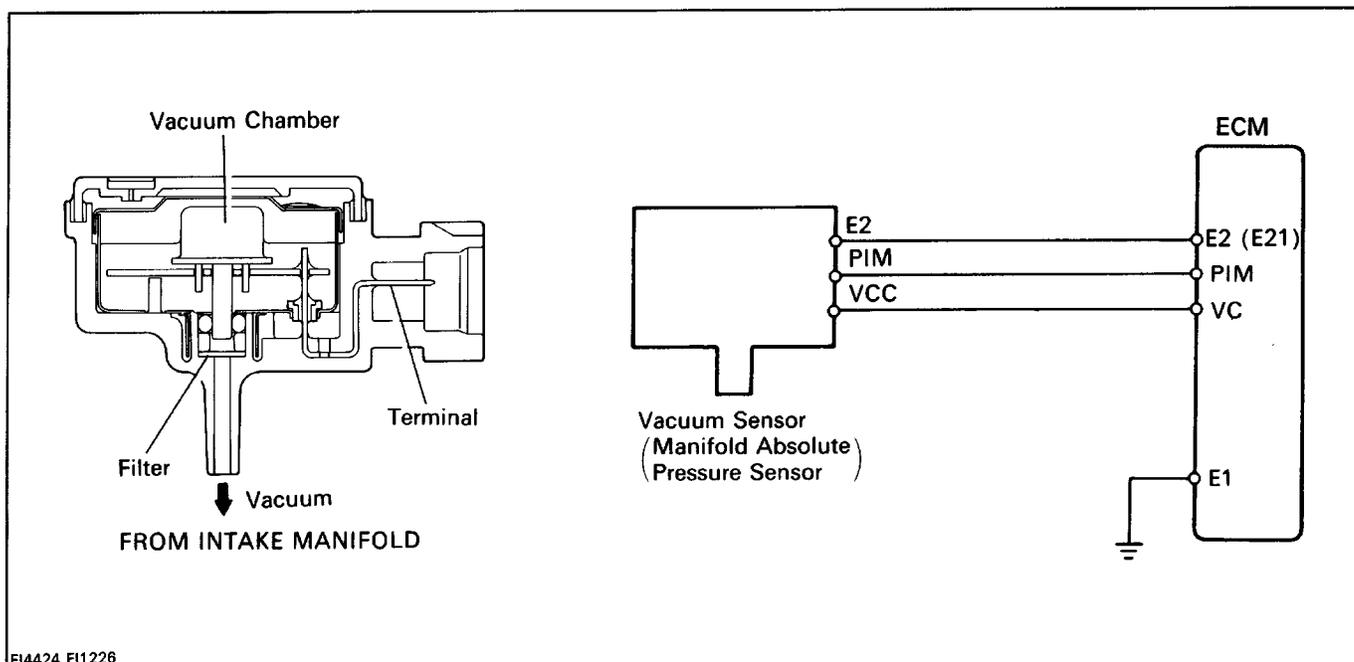
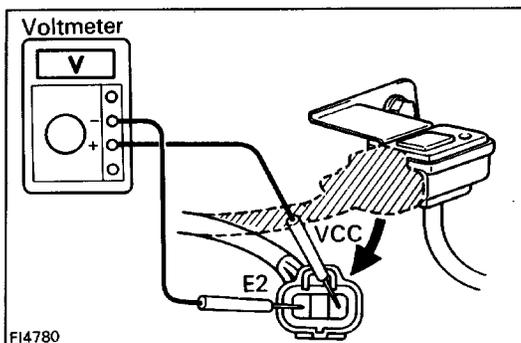


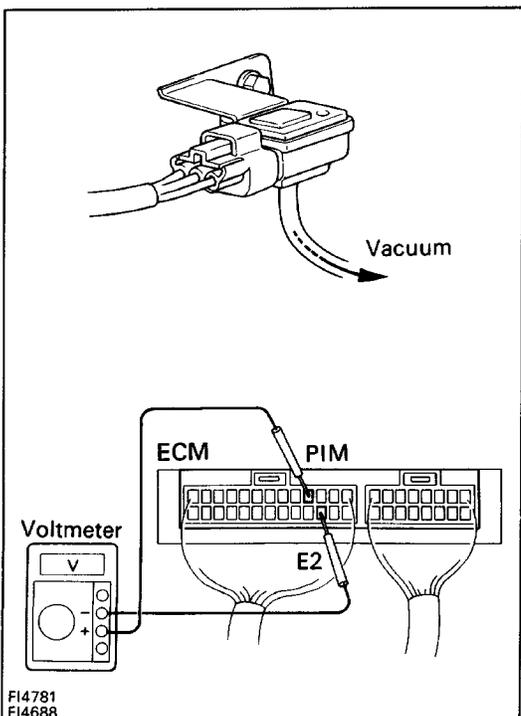
Vacuum Sensor (Manifold Absolute Pressure Sensor) (4A-FE)



FI4424 FI1226



FI4780



FI4781 FI4688

INSPECTION OF VACUUM SENSOR

1. INSPECT POWER SOURCE VOLTAGE OF VACUUM SENSOR

- Disconnect the vacuum sensor connector.
- Turn the ignition switch ON.
- Using a voltmeter, measure the voltage between connector terminals VCC and E2 of the wiring harness side.

Voltage: 4.5 – 5.5 V

- Reconnect the vacuum sensor connector.

2. INSPECT POWER OUTPUT OF VACUUM SENSOR

- Turn the ignition switch ON.
- Disconnect the vacuum hose of the intake manifold (chamber) side.
- Connect a voltmeter to terminals PIM and E2 of the ECM, and measure and record the output voltage under ambient atmospheric pressure.
- Apply vacuum to the vacuum sensor in 13.3 kPa (100 mmHg, 3.94 in.Hg) segments to 66.7 kPa (500 mmHg, 19.69 in.Hg).
- Measure voltage drop from step (c) above for each segment.

Voltage drop:

Applied Vacuum kPa (mmHg in.Hg)	13.3 (100 3.94)	26.7 (200 7.87)	40.0 (300 11.81)	53.5 (400 15.75)	66.7 (500 19.69)
Voltage drop (V)	0.3–0.5	0.7–0.9	1.1–1.3	1.5–1.7	1.9–2.1