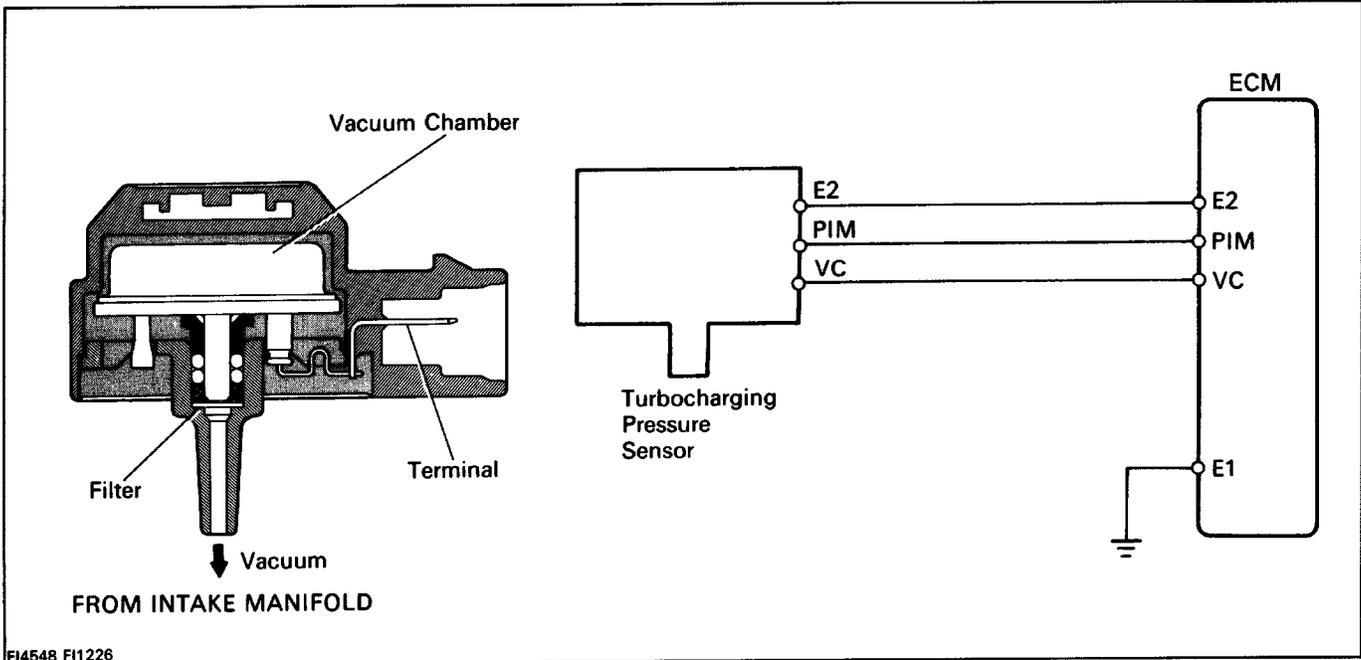


Turbocharging Pressure Sensor (3S-GTE)



FI4548 FI1226

INSPECTION OF TURBOCHARGING PRESSURE SENSOR

1. INSPECT POWER SOURCE VOLTAGE OF TURBOCHARGING PRESSURE SENSOR

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

Voltage: 4.5 – 5.5 V

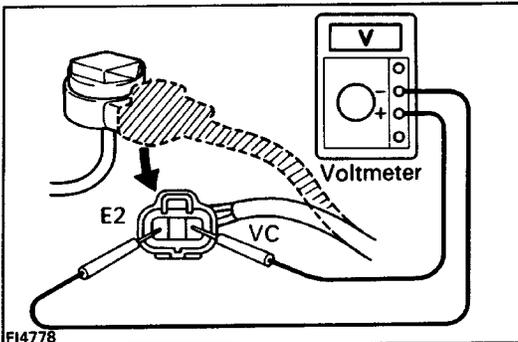
- Reconnect the pressure sensor connector.

2. INSPECT POWER OUTPUT OF TURBOCHARGING PRESSURE SENSOR

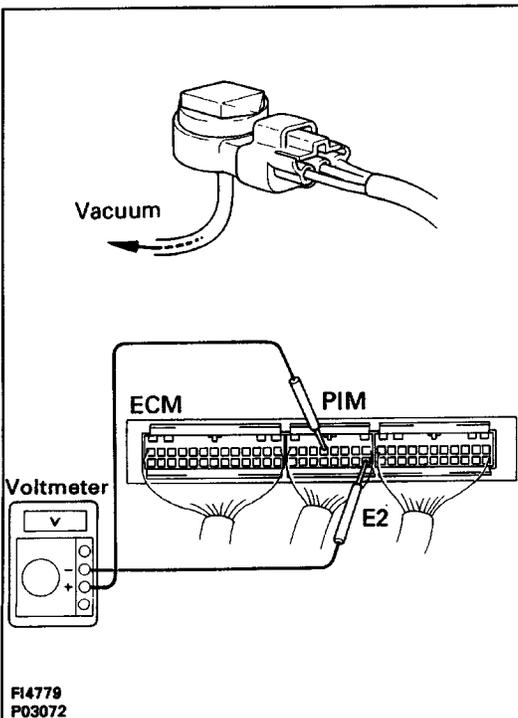
- Turn the ignition switch ON.
- Disconnect the vacuum hose of the intake manifold (chamber) side.
- Connect a voltmeter to terminals PIM and E2 of the ECM, and measure and record the output voltage under ambient atmospheric pressure.
- Apply vacuum to the pressure sensor in 13.3 kPa (100 mmHg, 3.94 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	13.3	26.7	40.0	53.5	66.7
(mmHg in.Hg)	(100 3.94)	(200 7.87)	(300 11.81)	(400 15.75)	(500 19.69)
Voltage drop (V)	0.15–0.35	0.4–0.6	0.65–0.85	0.9–1.1	1.15–1.35



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