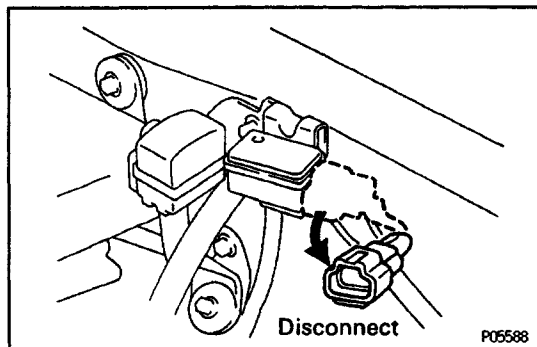
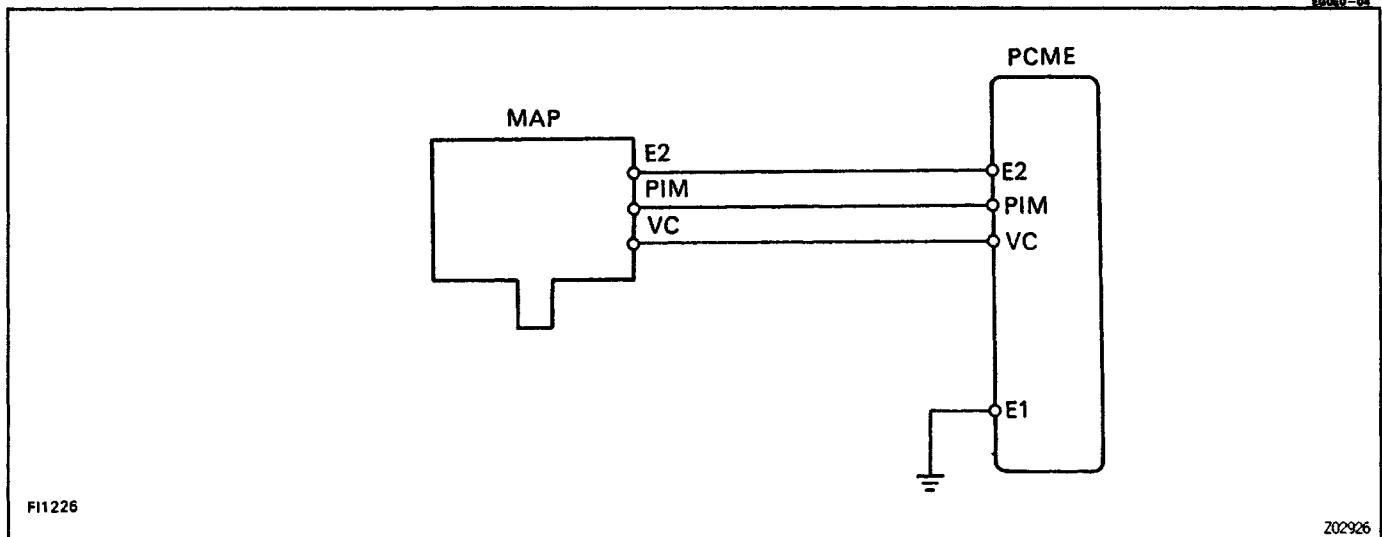


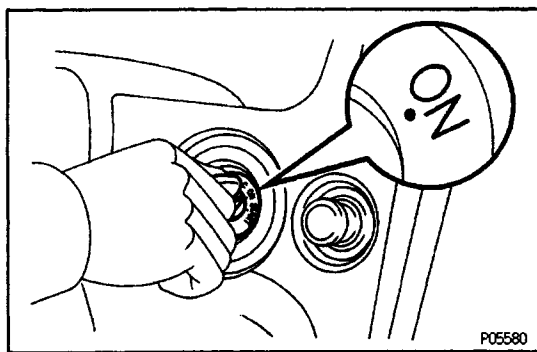
MANIFOLD ABSOLUTE PRESSURE SENSOR (MAP)



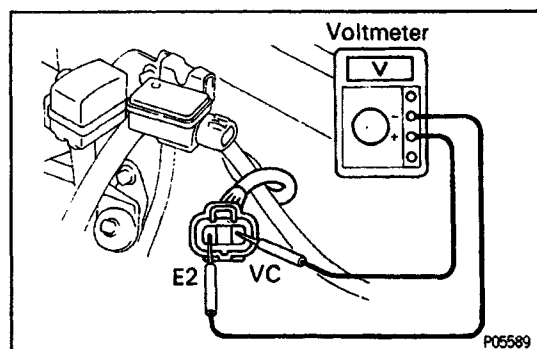
MAP INSPECTION

1. INSPECT POWER SOURCE VOLTAGE OF MAP

(a) Disconnect the MAP connector.



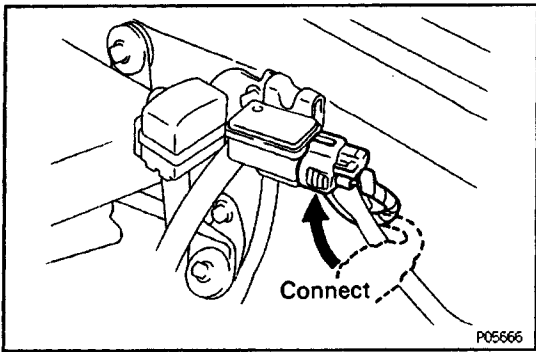
(b) Turn the ignition switch ON.



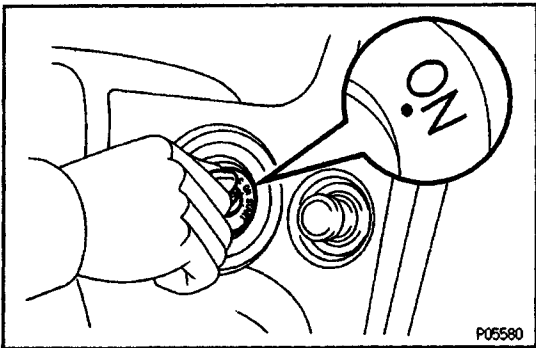
(c) Using a voltmeter, measure the voltage between connector terminals VC and E2 of the wiring harness side.

Voltage:

4.5 - 5.5 V

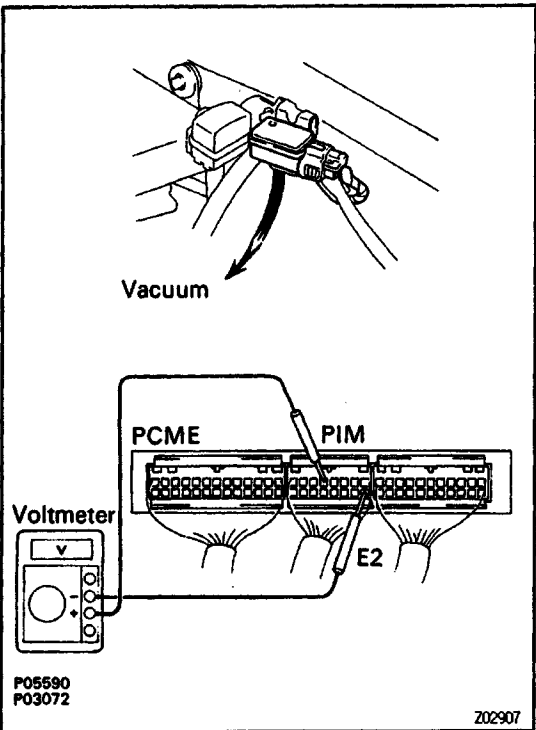


- (d) Turn the ignition switch OFF.
- (e) Reconnect the MAP connector.



2. INSPECT SUPPLY POWER OF MAP

- (a) Turn the ignition switch ON.



- (b) Disconnect the vacuum hose on the intake manifold side.
- (c) Connect a voltmeter to terminals PIM and E2 of the PCME, and measure the output voltage under ambient atmospheric pressure.
- (d) Apply vacuum to the MAP in 13.3 kPa (100 mmHg, 3.94 in.Hg) segments to 66.7 kPa (500 mmHg, 19.69 in.Hg).
- (e) Measure the 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 (3001) (11.81)	53.3 (400) (15.75)	66.7 (500) (19.69)
Voltage drop V	0.15- 0.36	0.4- 0.6	0.65- 0.85	0.9- 1.1	1.15- 1.35

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