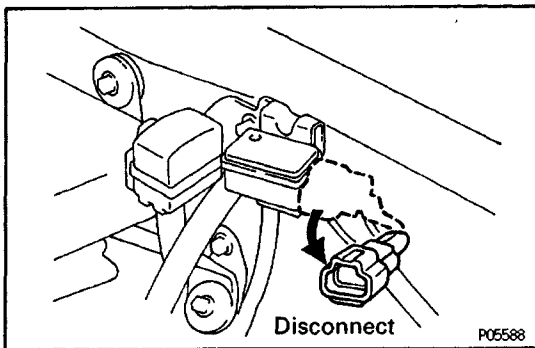
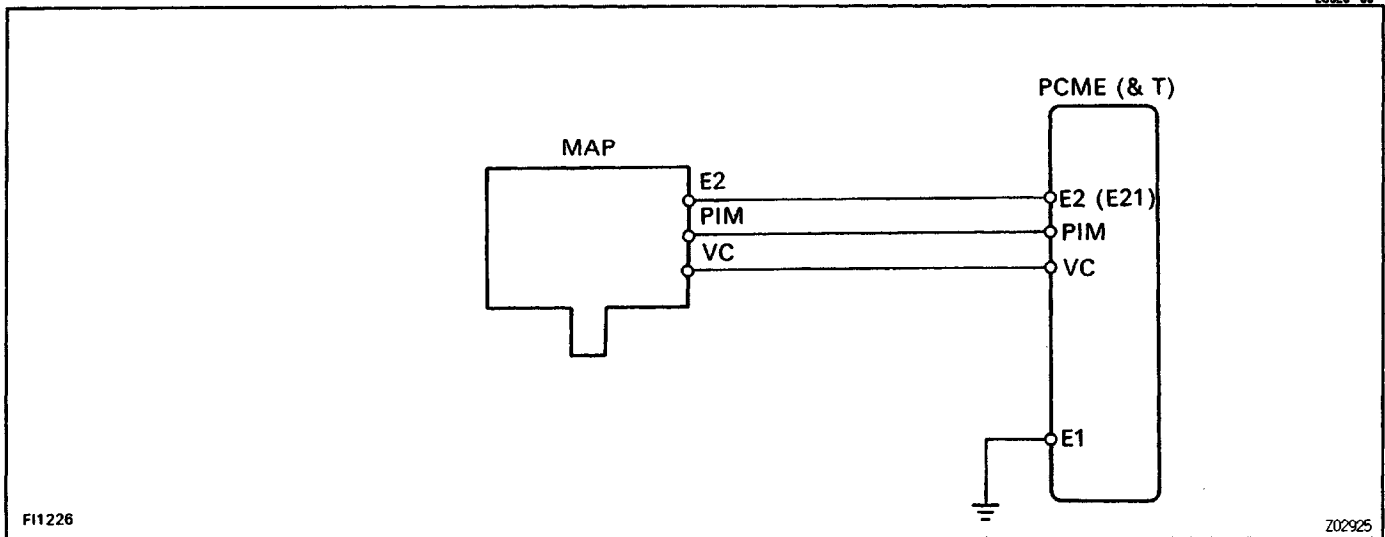


MANIFOLD ABSOLUTE PRESSURE SENSOR (MAP)

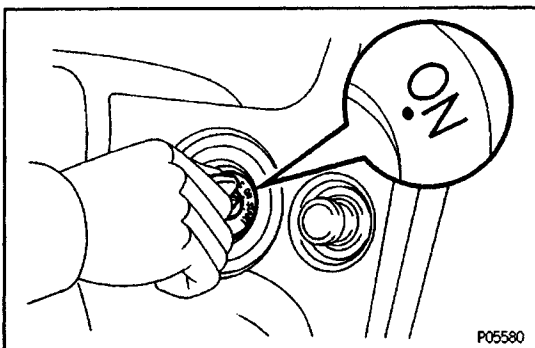


MAP INSPECTION

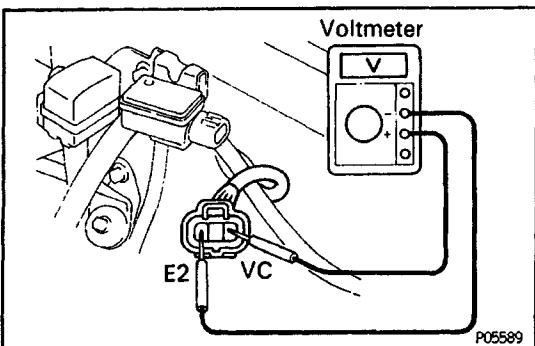
EG14N-01

1. INSPECT POWER SOURCE VOLTAGE OF MAP

(a) Disconnect the MAP connector.

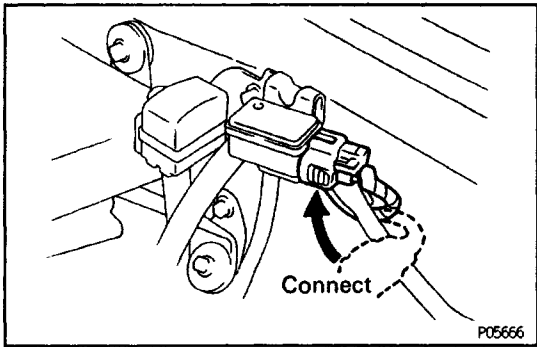


(b) Turn the ignition switch ON.

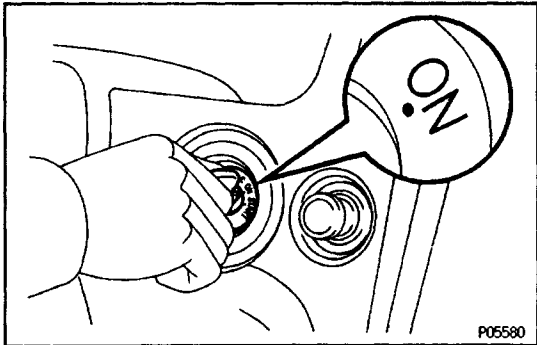


(c) Using a voltmeter, measure the voltage between connector terminals VC and E2 of the wiring harness side.

Voltage:
4.5 - 5.5 V

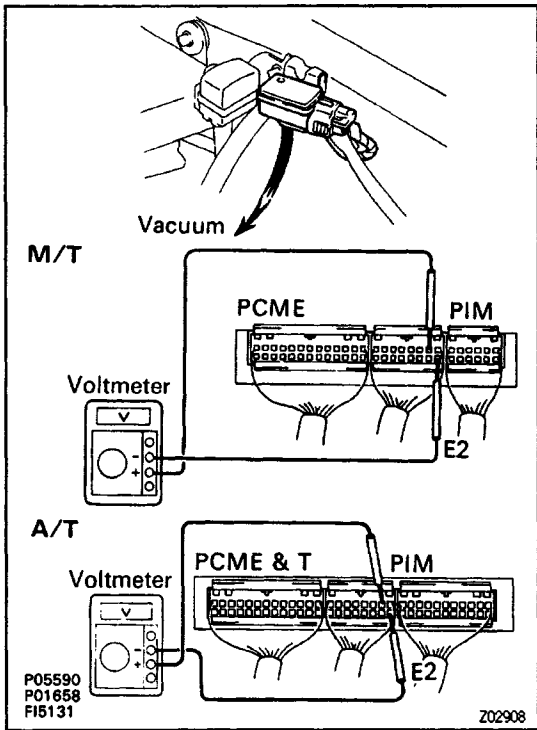


- (d) Turn the ignition switch OFF.
- (e) Reconnect the MAP connector.



2. INSPECT POWER OUTPUT OF MAP

- (a) Turn the ignition switch ON.



- (b) Disconnect the vacuum hose on the air intake manifold side.
- (c) Connect a voltmeter to terminals PIM and E2 of the PCM, 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	13.3	26.7	40.0	53.5	66.7
(mmHg)	(100)	(200)	(300)	(400)	(500)
(in.Hg)	(3.94)	(7.87)	(11.81)	(15.75)	(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

V00494

- (f) Reconnect the vacuum hose to the intake manifold.