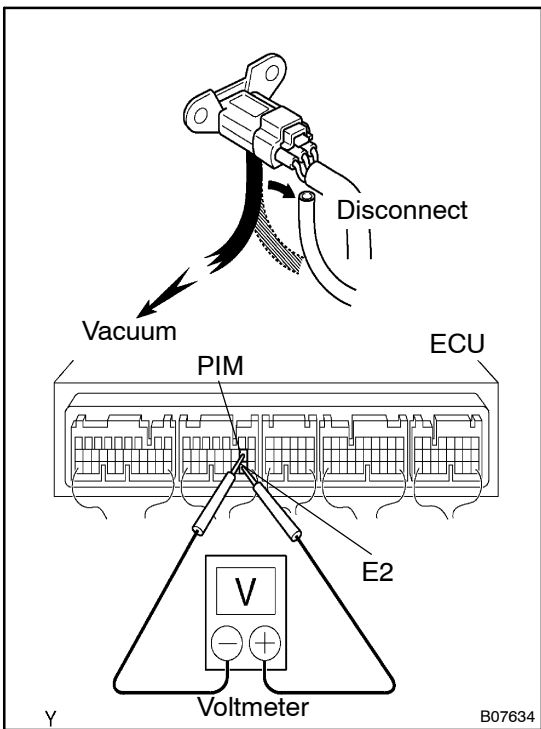


INSPECTION

1. REMOVE AIR CLEANER INLET
2. REMOVE AIR CLEANER ASSEMBLY
3. INSPECT POWER SOURCE VOLTAGE OF VACUUM SENSOR
 - (a) Disconnect the vacuum sensor 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 vacuum sensor connector.



4. INSPECT POWER OUTPUT OF VACUUM SENSOR
 - (a) Turn the ignition switch ON.
 - (b) Disconnect the vacuum hose from the vacuum sensor.
 - (c) Connect a voltmeter to terminals PIM and E2 of the ECU, and measure the output voltage under ambient atmospheric pressure.
 - (d) 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).
 - (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

- (f) Turn the ignition switch OFF.
- (g) Reconnect the vacuum hose to the vacuum sensor.
5. INSTALL AIR CLEANER ASSEMBLY
6. INSTALL AIR CLEANER INLET