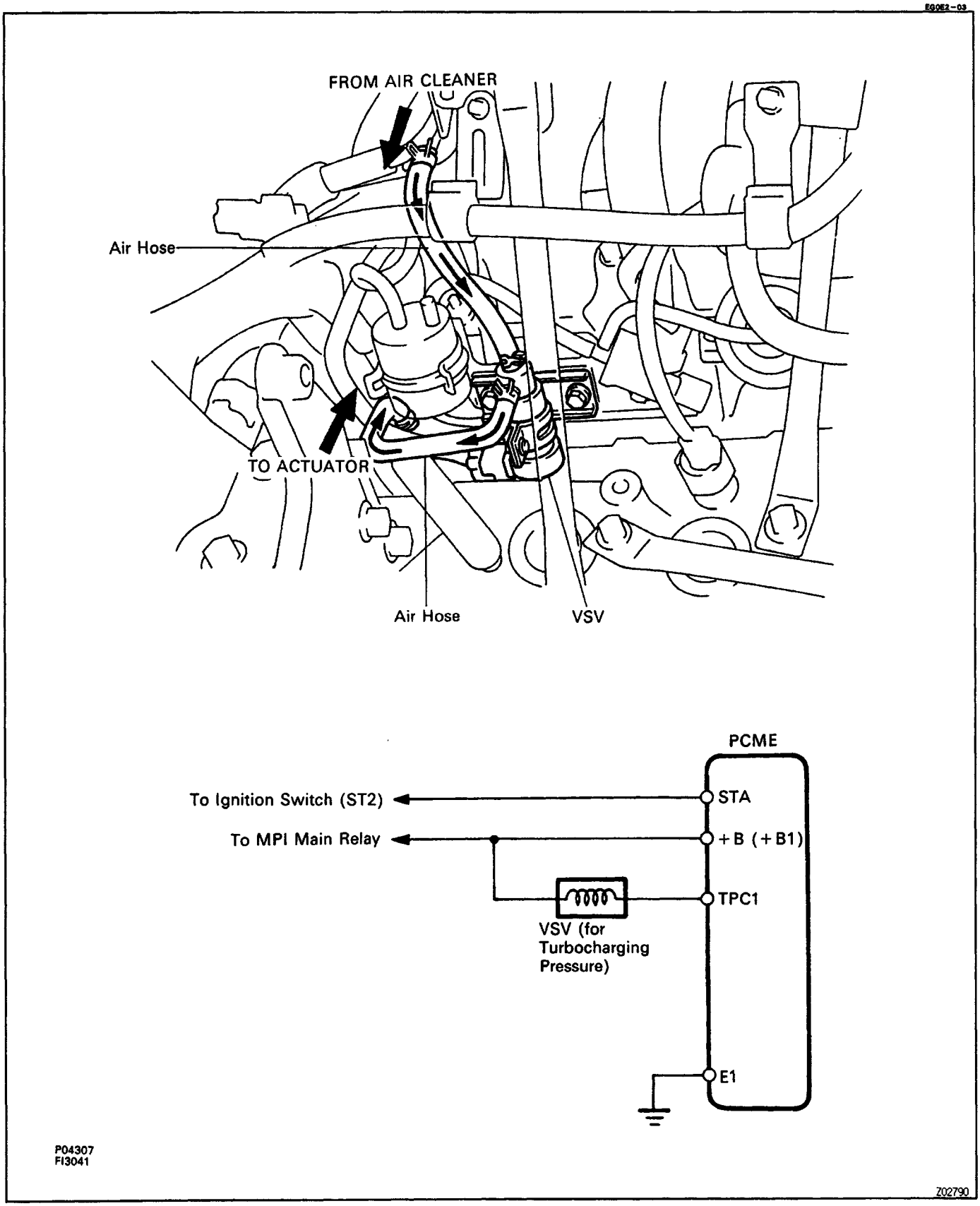
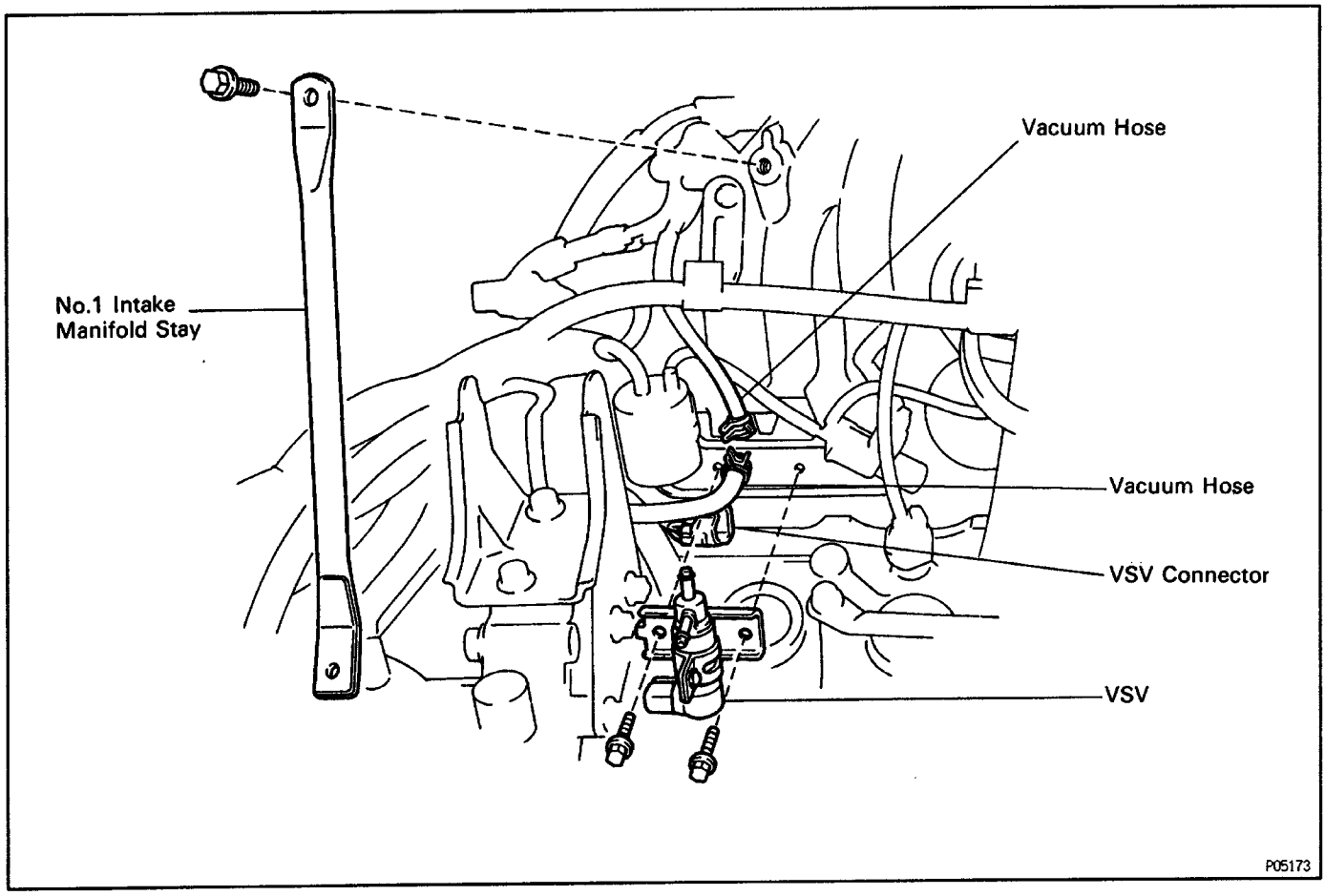
VSV
(For Turbocharging Pressure)



EGQZ0–01

COMPONENTS FOR REMOVAL AND INSTALLATION



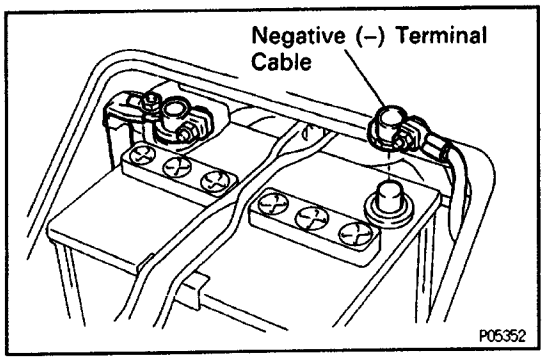
EGQZ1–01

VSV INSPECTION

(See Components for Removal and Installation)

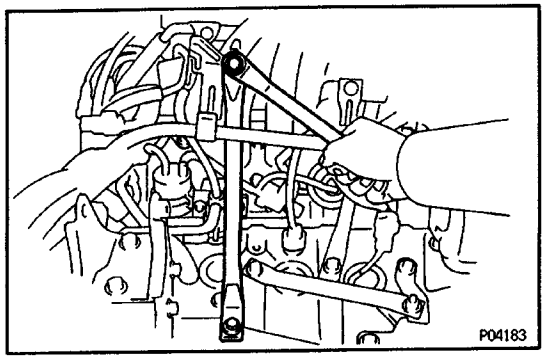
1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY

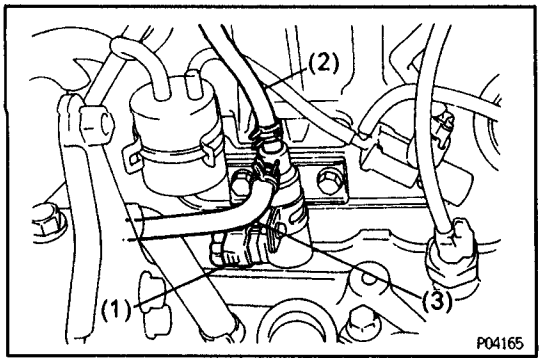
CAUTION: Turn the ignition switch to "LOCK". Disconnect the negative terminal from the battery. Wait at least 20 seconds before proceeding with work.



2. REMOVE NO.1 INTAKE MANIFOLD STAY

Remove the two bolts and intake manifold stay.

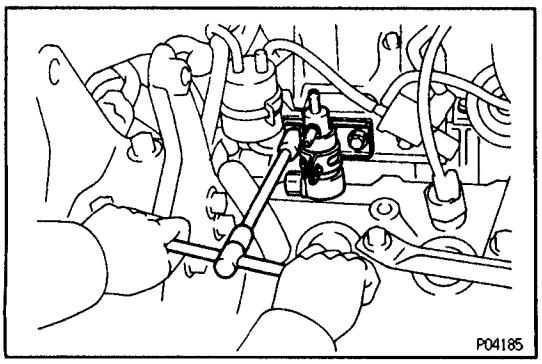




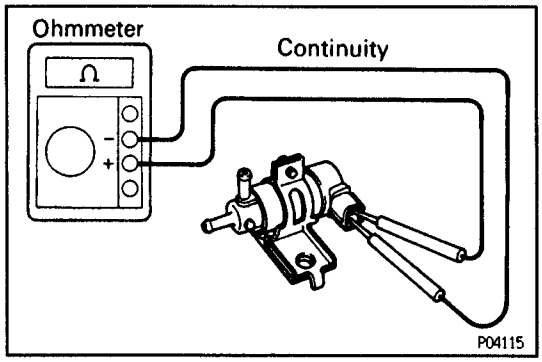
3. REMOVE VSV

(a) Disconnect the following connector and hoses:

(1) VSV connector
(2) Air hose (from actuator) from port E of VSV
(3) Air hose (from No.1 air tube) from port F of VSV



(b) Remove the two and VSV.



4. INSPECT VSV

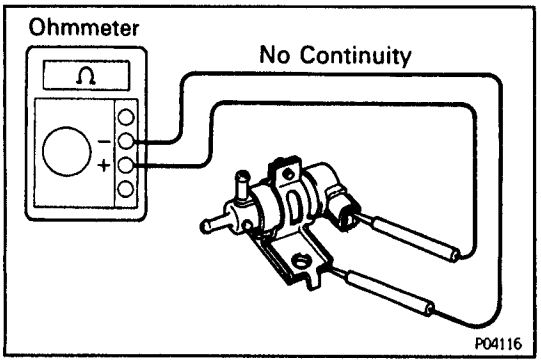
A. Inspect VSV for open circuit

Using an ohmmeter, check that there is continuity between the terminals.

Resistance (Cold):

24–30Ω

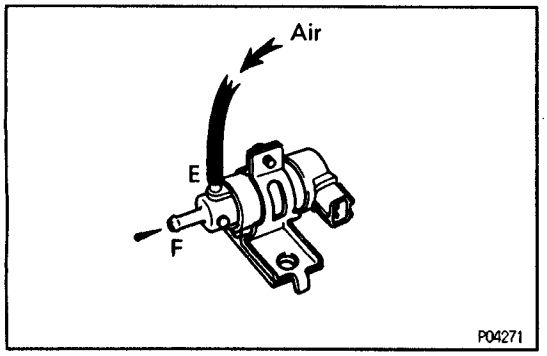
If there is no continuity, replace the VSV.



B. Inspect VSV for ground

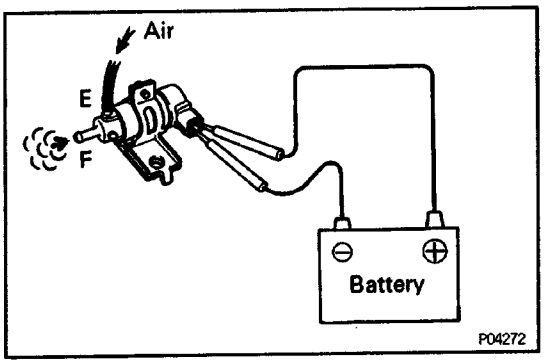
Using an ohmmeter, check that there is no continuity between each terminal and the body.

If there is continuity, replace the VSV.

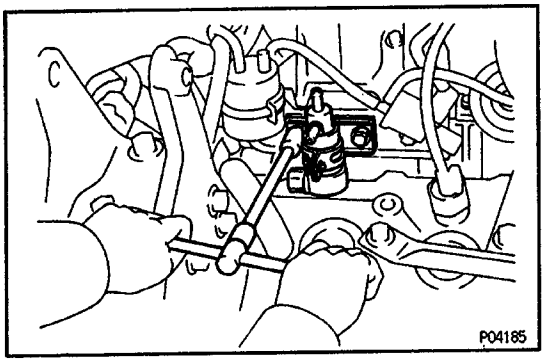


C. Inspect VSV operation

(a) Check that the air does not flow from port E to port F.

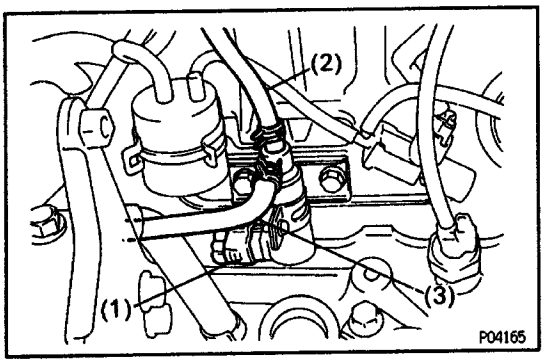


(b) Apply battery voltage across the terminals.
(c) Check that the air flows from port E to port F.
If operation is not as specified, replace the VSV.

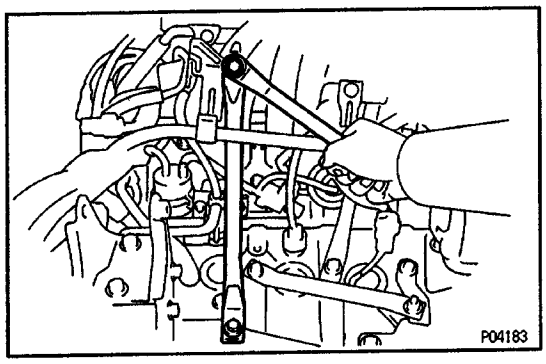


5. REINSTALL VSV

(a) Install the VSV with the bolt and screw.



(b) Connect the following connector and hoses:
(1) VSV connector
(2) Air hose (from actuator) to port E of VSV
(3) Air hose (from No. 1 air tube) to port F of VSV



6. REINSTALL No.1 INTAKE MANIFOLD STAY

Install the intake manifold stay with the two bolts.
Torque: 25 N–m (260 kgf.cm, 19 ft–lbf)

7. RECONNECT CABLE TO NEGATIVE TERMINAL OF BATTERY