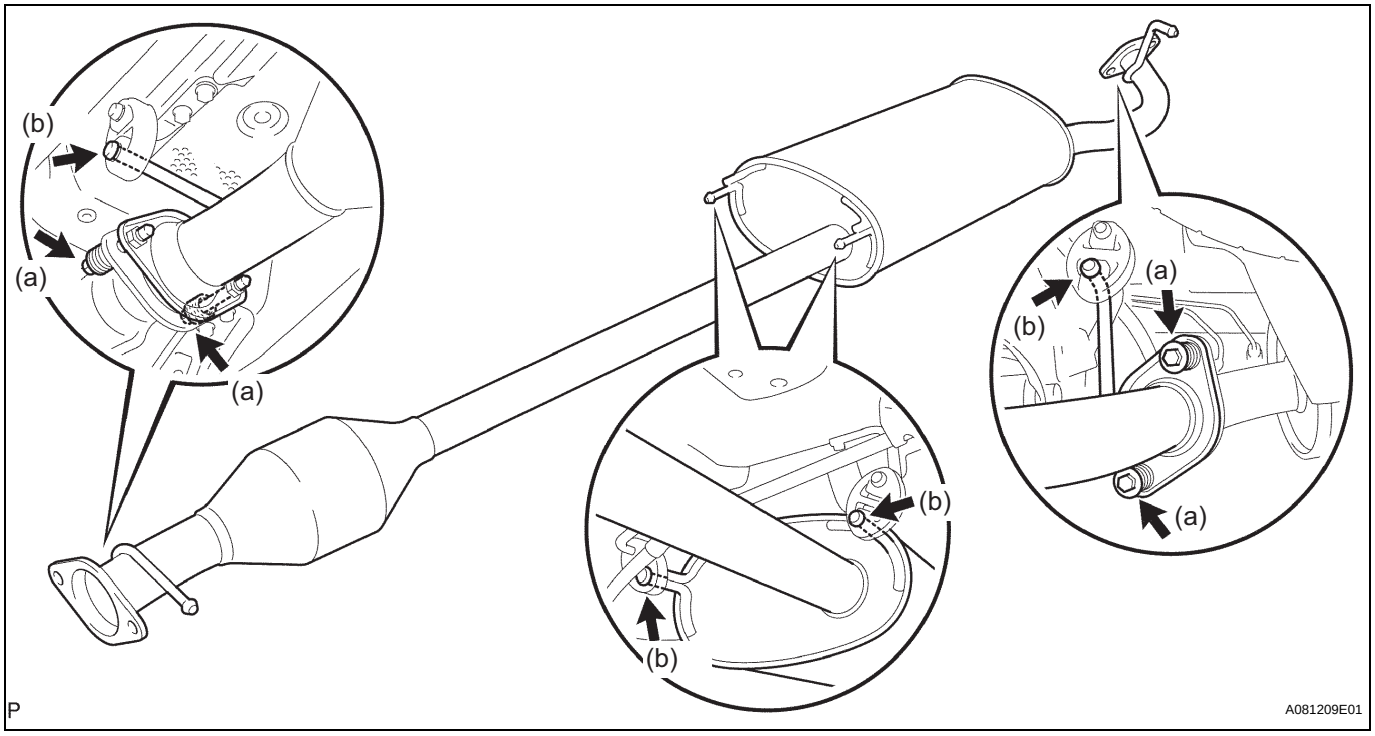
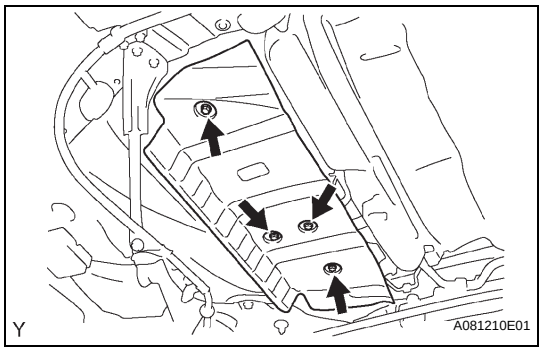
REMOVAL

1. REMOVE EXHAUST PIPE ASSEMBLY CENTER

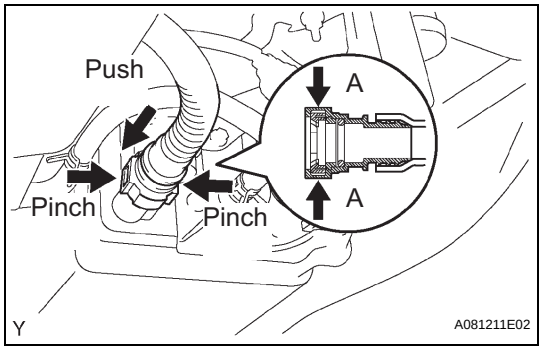
(a) Remove the 4 bolts and 4 compression springs.
(b) Remove the exhaust pipe center from the 4 exhaust pipe supports.
(c) Remove the 2 gaskets from the exhaust pipe FR No. 3 and the exhaust pipe center.





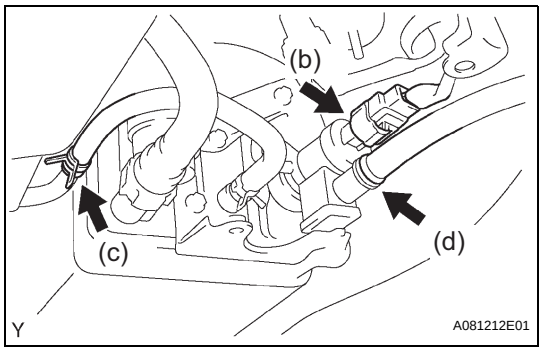
2. REMOVE FRONT FLOOR HEAT INSULATOR NO.3

(a) Remove the 4 bolts, and then remove the front floor heat insulator No. 3.

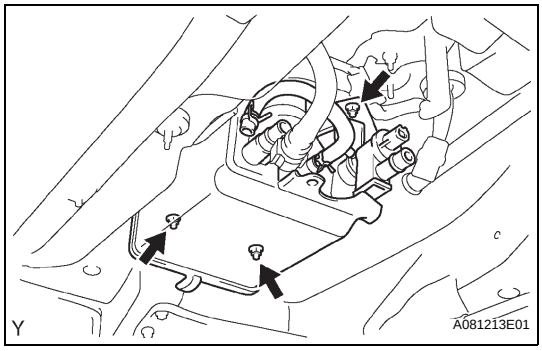


3. REMOVE CHARCOAL CANISTER ASSEMBLY

(a) Disconnect the fuel tank vent hose.
  (1) Deeply push the connector to release the locking tab.
  (2) Pinch portion A.
  (3) Pull out the connector.



(b) Disconnect the VSV (for CCV) connector.
(c) Disconnect the fuel emission hose.
(d) Disconnect the air inlet line hose.

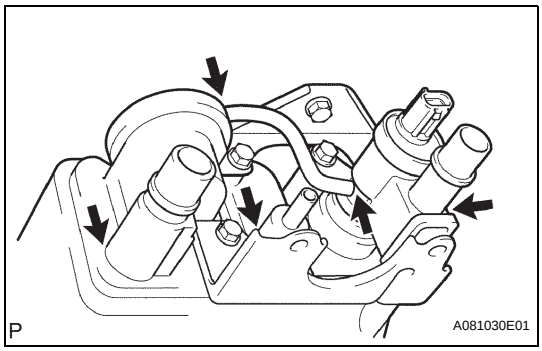


(e) Remove the 3 nuts, and then remove the charcoal canister.

INSPECTION

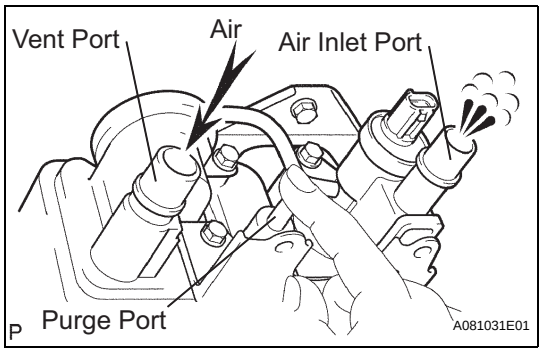
1. INSPECT CHARCOAL CANISTER ASSEMBLY

(a) Visually check the charcoal canister for cracks or damage.

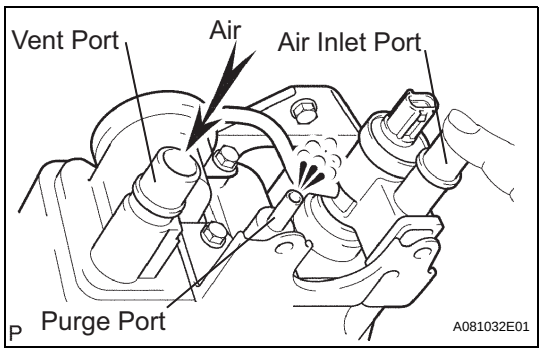


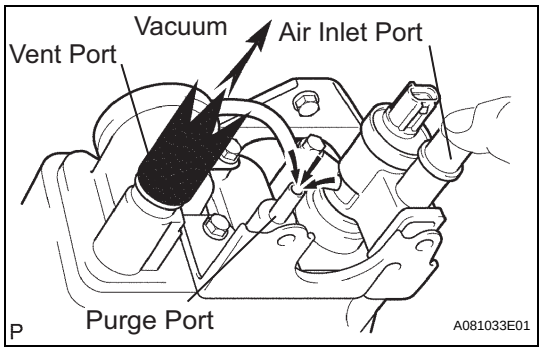
(b) Inspect the charcoal canister operation.

(1) While holding the purge port closed, blow air (0.39 kPa, 4.0 gf/cm^2, 0.06 psi) into the vent port, and check that air flows from the air inlet port.

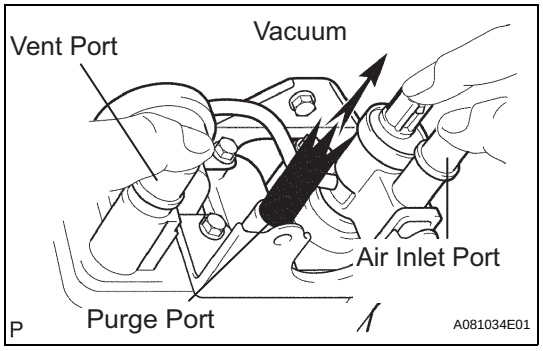


(2) While holding the air inlet closed, blow air (0.39 kPa, 4.0 gf/cm^2, 0.06 psi) into the vent port, and check that air flows from the purge port.



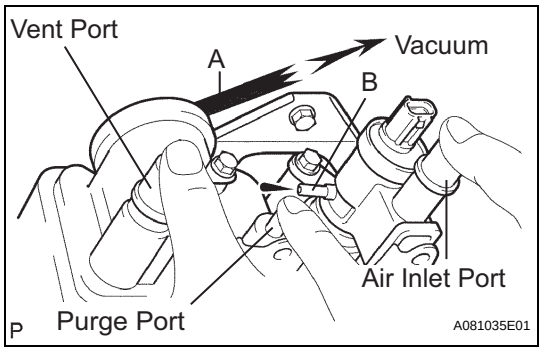


(3) While holding the air inlet closed, apply vacuum (3.43 kPa, 25.7 gf/cm^2, 1.01 psi) to the vent port, and check that air is sucked in from the purge port.
If operation is not as specified, replace the charcoal canister.

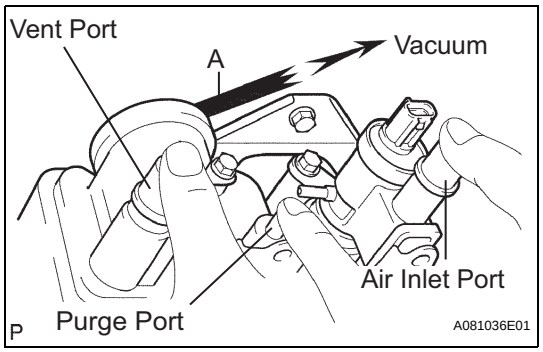


(c) Inspect the air tightness.
(1) While holding the vent and air inlet ports closed, apply vacuum (3.43 kPa, 25.7 gf/cm^2, 1.01 psi) to the purge port, and check that the vacuum is maintained for 1 minute.
HINT:
In order to maintain air tightness, the checked should be performed with the CCV terminal port held closed by hand.
If operation is not as specified, replace the charcoal canister.

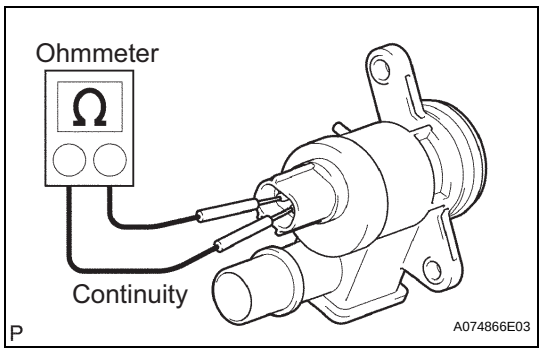
EC



(d) Inspect the diaphragm.
(1) Remove the air hose between ports A to B.
(2) While holding the vent, purge and air inlet ports closed, apply vacuum (1.42 kPa, 11 mmHg, 0.42 in.Hg) into port A, and check that air is sucked in from port B.



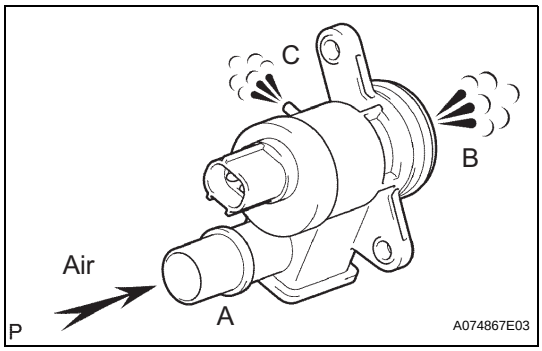
(3) While holding the vent, purge and air inlet ports closed, apply vacuum (1.42 kPa, 11 mmHg, 0.42 in.Hg) into port A, and measure how long it takes for vacuum to drop.
Vacuum drop time:
10 sec. or more
If operation is not as specified, replace the charcoal canister.
(4) Reinstall the air hose between ports A and B.



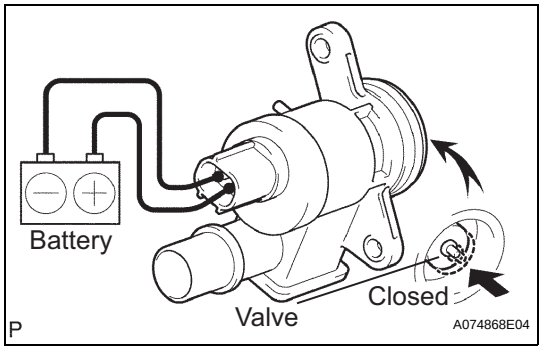
(e) Inspect VSV for open circuit.
(1) Using an ohmmeter, measure resistance between the terminals.
Resistance

Temperature	Resistance
20°C (68°F)	25 to 30 Ω
100°C (212°F)	32 to 40 Ω

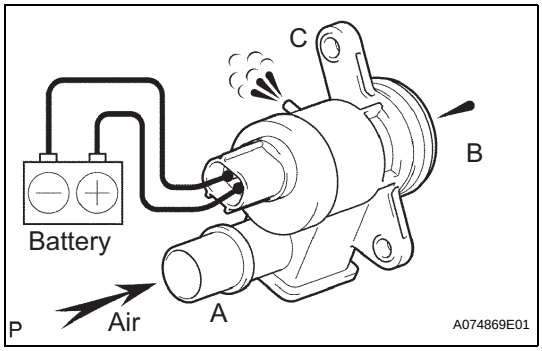
If the resistance is not as specified, replace the charcoal canister.



(f) Inspect VSV operation.
(1) Check that air flows from port A to ports B and C.



(2) Apply battery positive voltage across the terminals.
(3) Check that the valve is closed.



(4) Check that air does not flow from port A to port B.
(5) Check that air flows from port A to port C.
If operation is not as specified, replace the charcoal canister.

EC