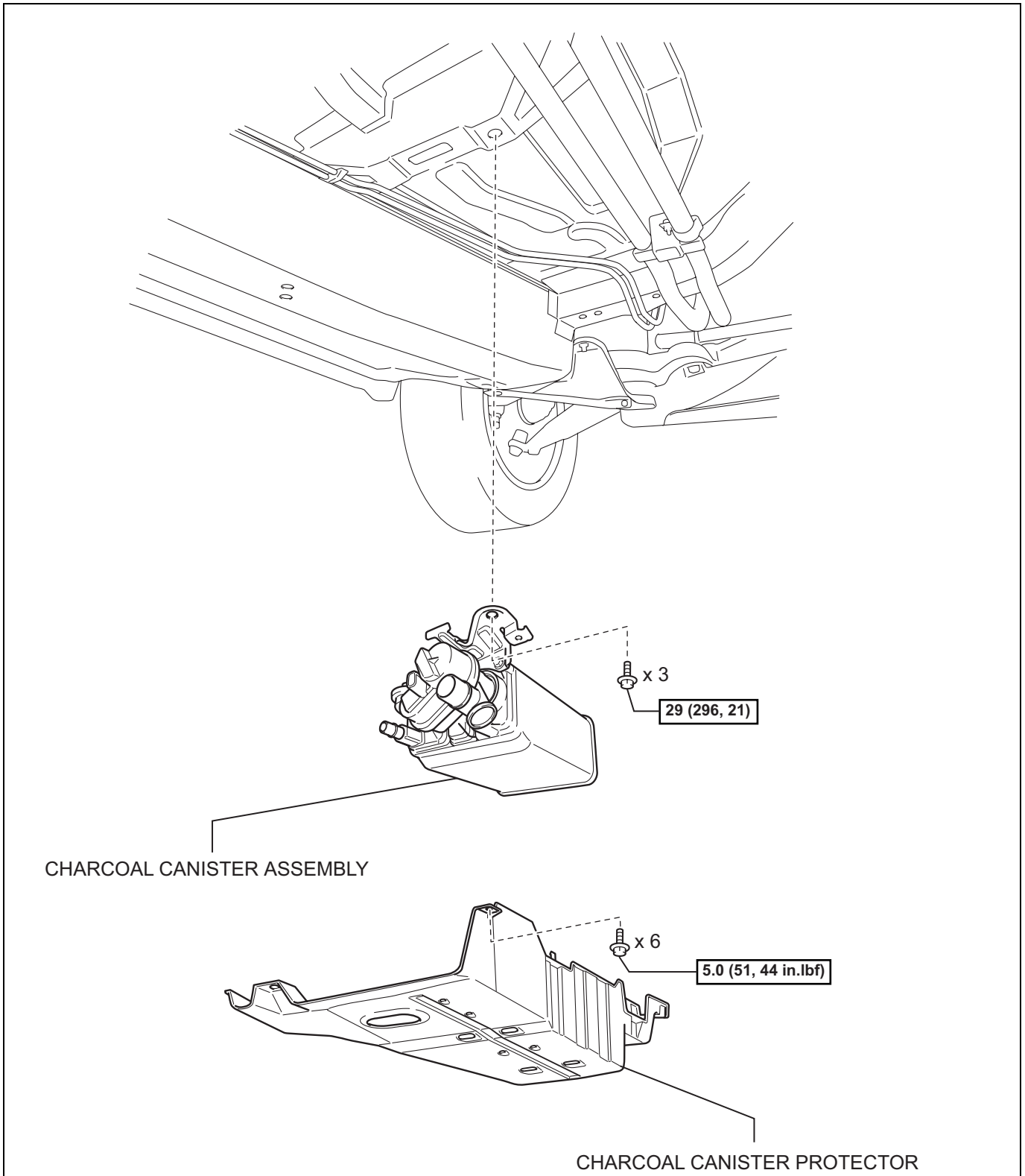
CANISTER

COMPONENTS



EC

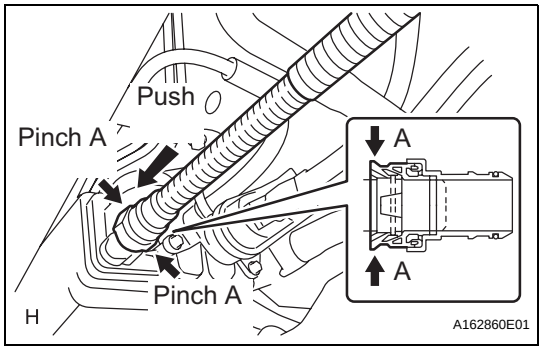
REMOVAL

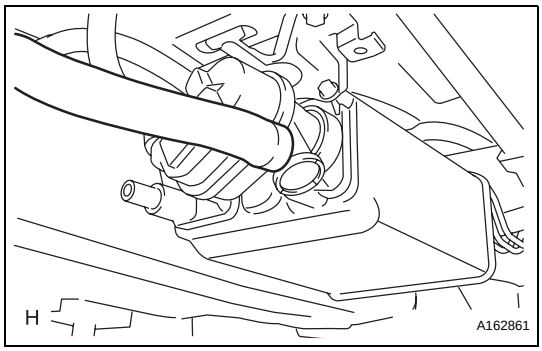
1. REMOVE CHARCOAL CANISTER PROTECTOR

(a) Remove the 6 bolts and charcoal canister protector.

2. REMOVE CHARCOAL CANISTER ASSEMBLY

(a) Disconnect the fuel tank vent hose from the charcoal canister.
   (1) Push the connector deep inside.
   (2) Pinch portion A.
   (3) Pull out the connector.



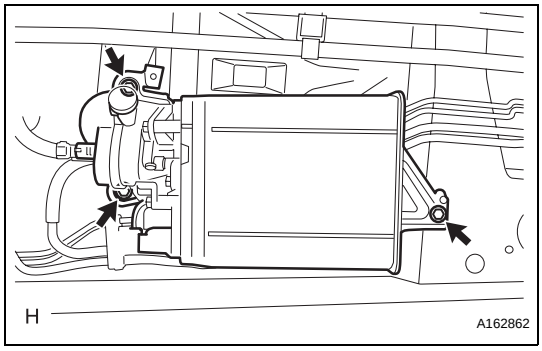


(b) Disconnect the charcoal canister filter sub-assembly from the charcoal canister.
   (1) Push the connector deep inside.
   (2) Pinch portion A.
   (3) Pull out the connector.

(c) Disconnect the vapor pressure sensor connector.

(d) Disconnect the wire harness clamp.

(e) Disconnect the purge line hose from the charcoal canister.

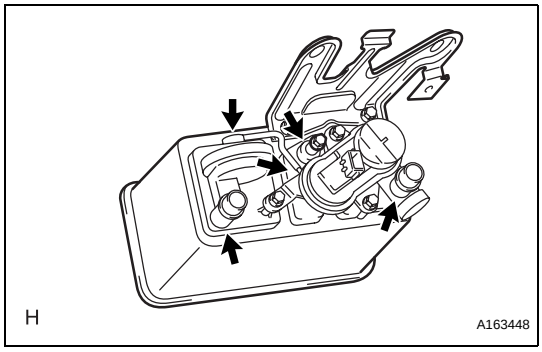


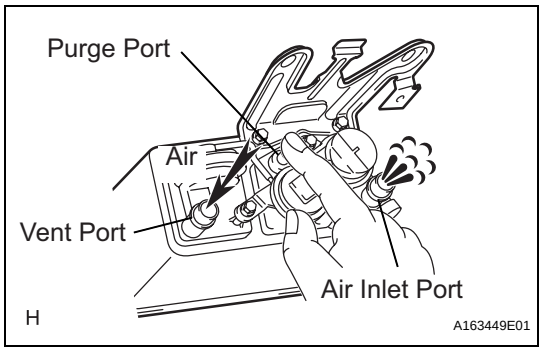
(f) Remove the 3 bolts and charcoal canister.

INSPECTION

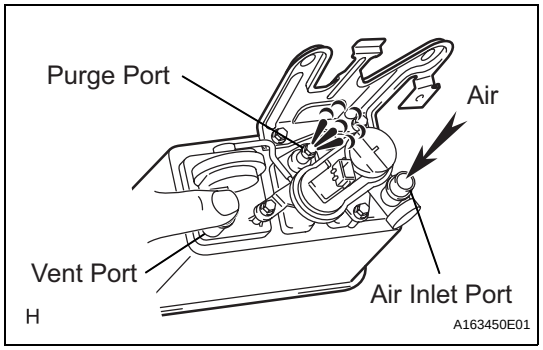
1. INSPECT CHARCOAL CANISTER ASSEMBLY

(a) Visually check the charcoal canister for cracks or damage.
   If cracks or damage are found, replace the charcoal canister assembly.



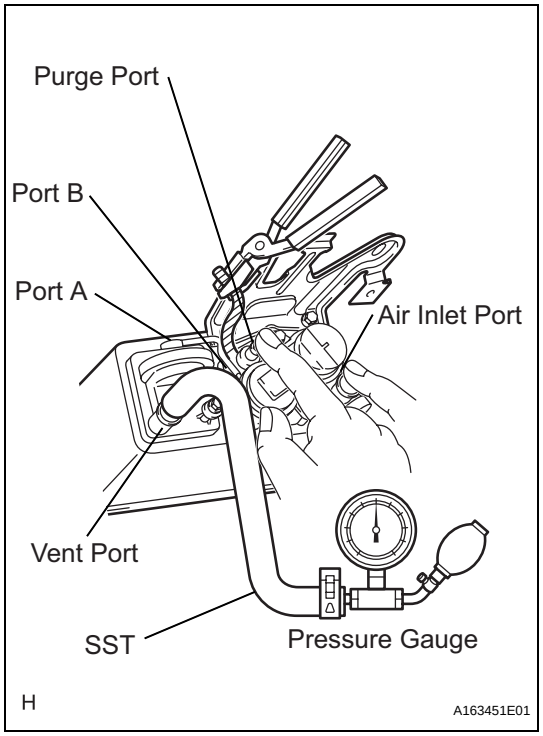


(b) Check charcoal canister operation.
(1) With the purge port closed, blow 1.67 kPa (17.0 gf/cm^2, 0.24 psi) of air into the vent port, and check that air flows from the air inlet port.
If the result is not as specified, replace the charcoal canister assembly.

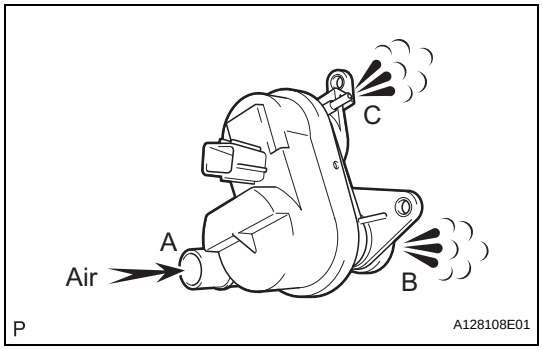


(2) With the vent port closed, blow 1.10 kPa (11.2 gf/cm^2, 0.16 psi) of air to the air inlet port, and check that air flows from the purge port.
If the result is not as specified, replace the charcoal canister assembly.

EC



(c) Check for air leakage.
(1) Remove the air hose between ports A and B.
(2) Connect SST (pressure gauge) to the vent port of the charcoal canister.
SST 09992-00242
(3) While holding port B, with the purge port and the air inlet port closed and port A open, apply 19.6 kPa (0.2 kgf/cm^2, 2.81 psi) of pressurized air into the vent port, then confirm that pressure is retained for 1 minute.
If the result is not as specified, replace the charcoal canister assembly.



(d) Check the leak detection pump.
(1) Remove the detection pump from the charcoal canister.
(2) Check that air flows from port A to B and then C.
If the result is not as specified, replace the charcoal canister assembly.