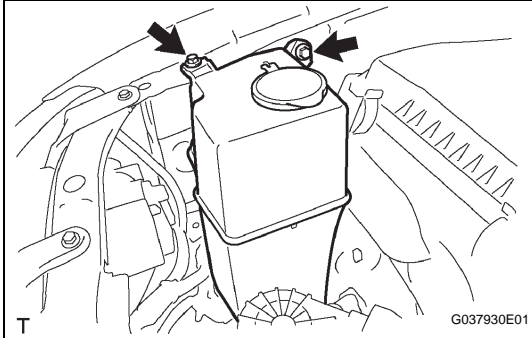


AIR PUMP

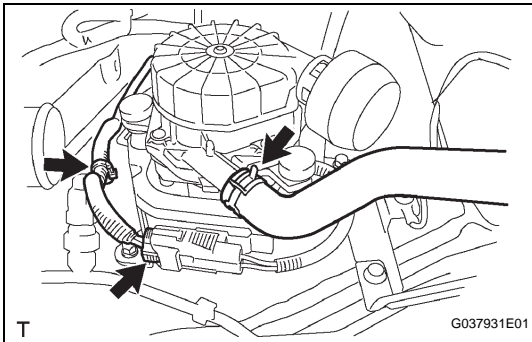
REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

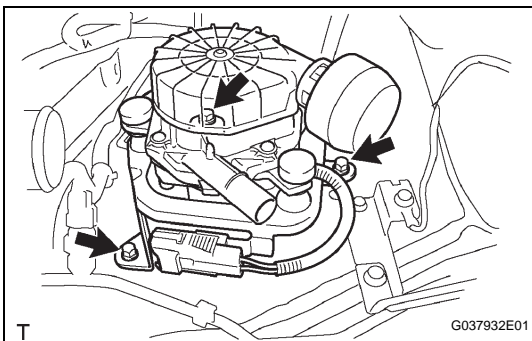


2. REMOVE AIR PUMP ASSEMBLY

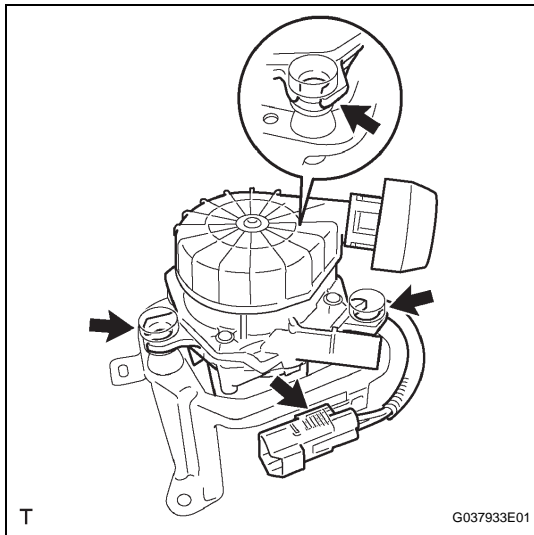
- (a) Remove the 2 bolts, then separate the washer jar.
HINT:
Perform the above procedure to make space for removing the air pump assy.



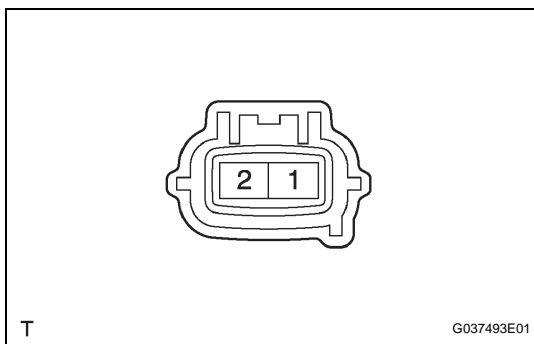
- (b) Disconnect the air injection system No. 1 hose.
(c) Disconnect the air pump connector and wire harness clamp.



- (d) Remove the 3 bolts, then remove the air pump with bracket.



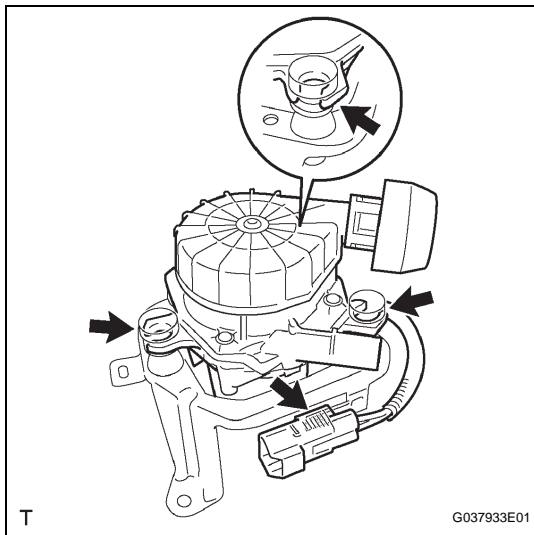
- (e) Disconnect the air pump connector clamp.
- (f) Disengage the 3 fittings of the air pump insulator, and remove the air pump from the bracket.



INSPECTION

1. INSPECT AIR PUMP ASSEMBLY

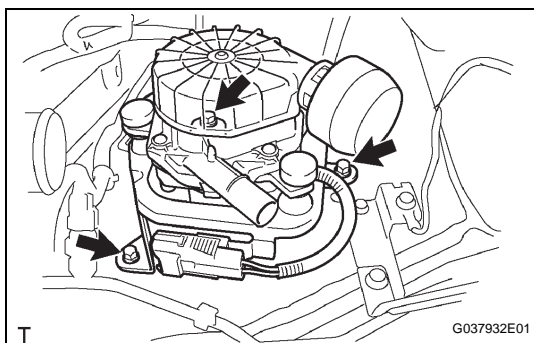
- (a) Check the resistance.
 - (1) Using an ohmmeter, measure the resistance between the terminals.
- Resistance:**
0.4 to 1.0 Ω at 20°C (68°F)
 If the result is not as specified, replace the air pump.



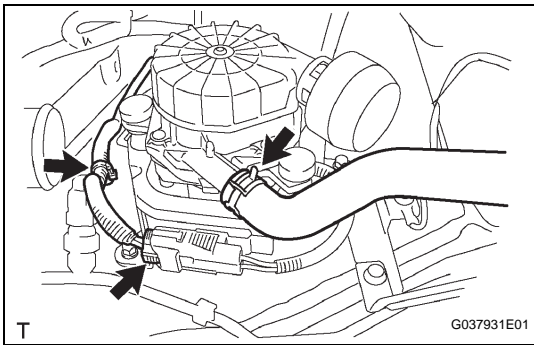
INSTALLATION

1. INSTALL AIR PUMP ASSEMBLY

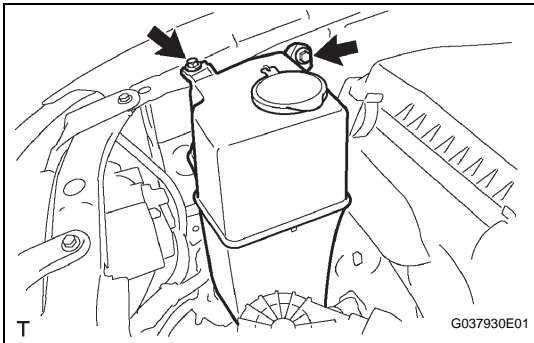
- (a) Engage the 3 fittings of the air pump insulator, and install the air pump onto the bracket.
- (b) Connect the air pump connector clamp.



- (c) Install the air pump with bracket with the 3 bolts.
Torque: 18 N*m (184 kgf*cm, 13 ft.*lbf)



- (d) Connect the air pump connector and wire harness clamp.
- (e) Connect the air injection system No. 1 hose.



- (f) Install the washer jar with the 2 bolts.
Torque: 6 N*m (56 kgf*cm, 49 in.*lbf)

- 2. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)