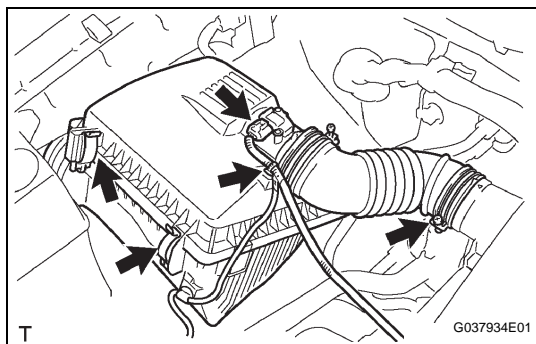


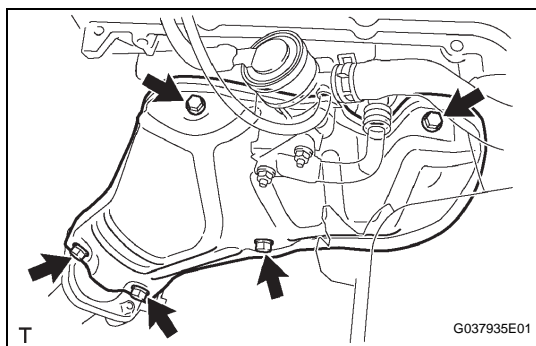
AIR SWITCHING VALVE

REMOVAL

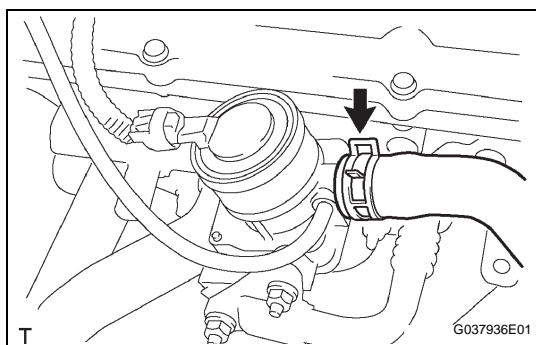
1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE INTAKE AIR CONNECTOR** (See page [ES-452](#))
3. **REMOVE AIR CLEANER CAP SUB-ASSEMBLY**
 - (a) Disconnect the mass air flow meter connector.
 - (b) Disconnect the wire harness clamp.
 - (c) Loosen the hose clamp bolt, then disconnect the air cleaner hose No. 1.
 - (d) Disconnect the 2 air cleaner clamps.
 - (e) Remove the air cleaner cap together with the air cleaner hose No. 1.



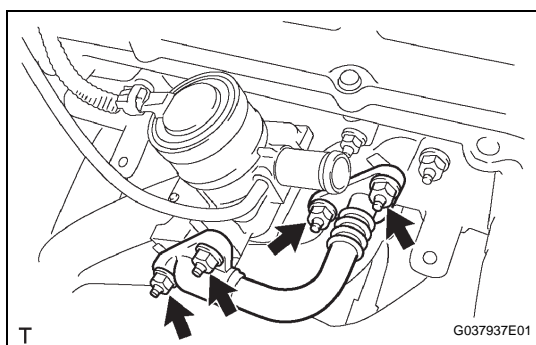
4. **REMOVE NO.1 EXHAUST MANIFOLD HEAT INSULATOR**
 - (a) Remove the 5 bolts, then remove the exhaust manifold heat insulator No. 1.

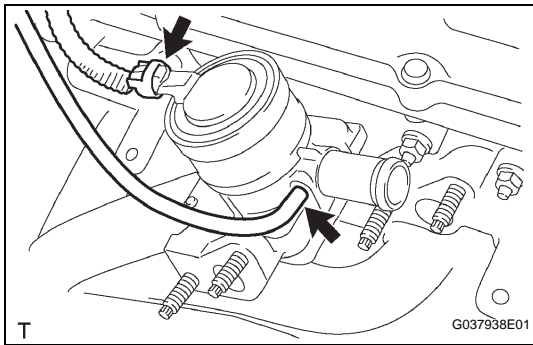


5. **DISCONNECT AIR INJECTION SYSTEM NO.1 HOSE**
 - (a) Disconnect the air injection system No. 1 hose from the air switching valve.



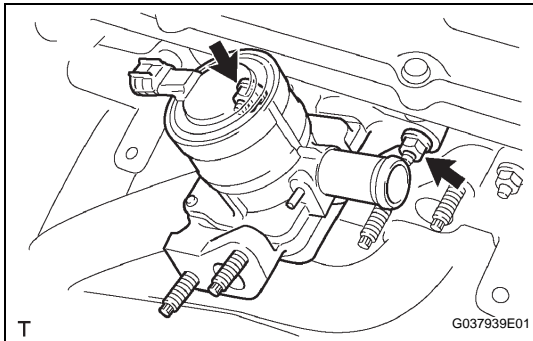
6. **REMOVE INTAKE PIPE INSULATOR**
 - (a) Remove the 4 nuts, then remove the intake pipe insulator.
 - (b) Remove the 2 gaskets.



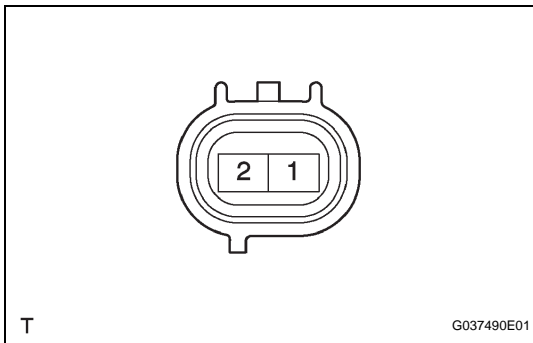


7. REMOVE AIR SWITCHING VALVE ASSEMBLY

- (a) Disconnect the vacuum hose.
- (b) Disconnect the air switching valve connector.



- (c) Remove the 2 nuts, then remove the air switching valve.
- (d) Remove the gasket.



INSPECTION

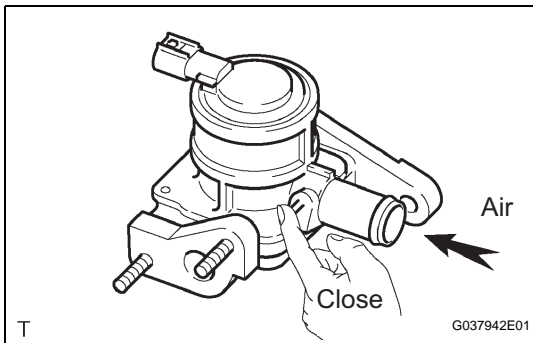
1. INSPECT AIR SWITCHING VALVE ASSEMBLY

- (a) Check the resistance.
 - (1) Using an ohmmeter, measure the resistance between the terminals.

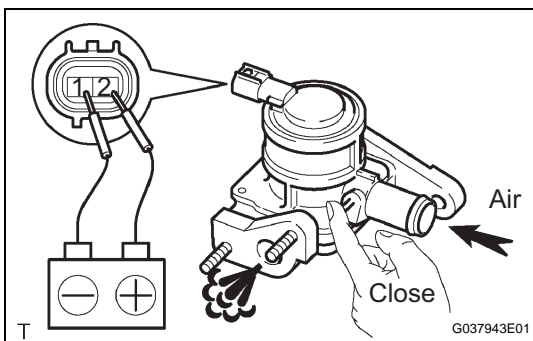
Resistance:

4.5 to 5.5 Ω at 20°C (68°F)

If the result is not as specified, replace the air switching valve.



- (b) Check the operation.
 - (1) Check that air does not flow from the port.



- (2) Apply battery positive voltage across the terminals.
- (3) Check that air flows from the port.

If the operation is not as specified, replace the air switching valve.