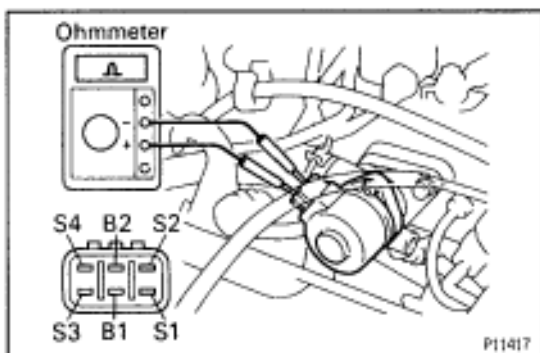


IDLE AIR CONTROL (IAC) VALVE ON-VEHICLE INSPECTION

1. INSPECT IAC VALVE FOR OPERATING SOUND

Check that there is a clicking sound immediately after stopping the engine.

If operation is not as specified, check the IAC valve, wiring and ECM.



2. INSPECT IAC VALVE RESISTANCE

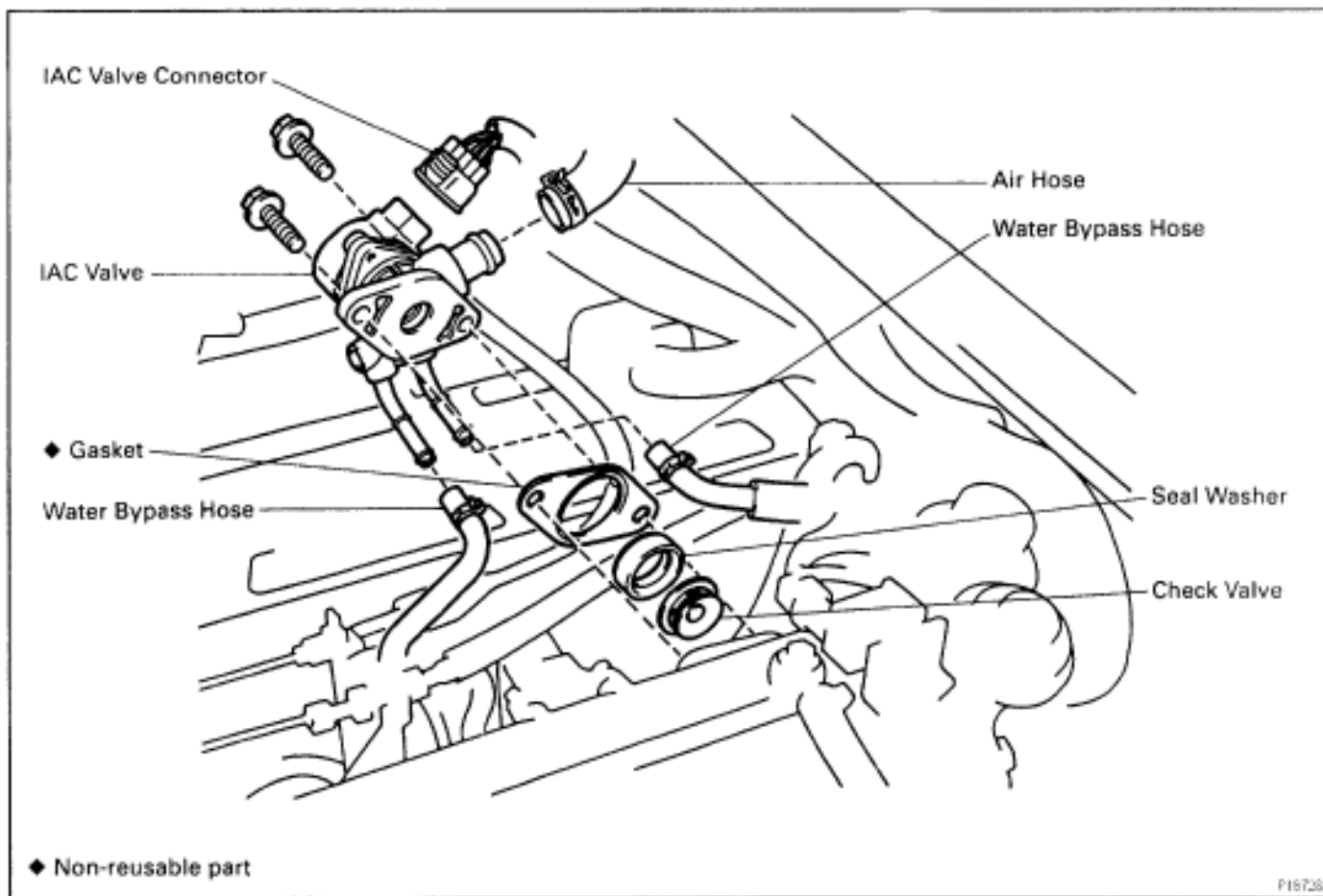
Using an ohmmeter, measure the resistance between the terminals (B1 (or B2) to others).

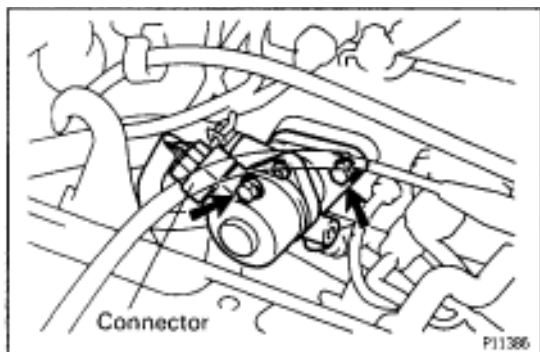
Resistance:

At 20°C (68°F) 18–24 Ω

If resistance is not as specified, replace the IAC valve.

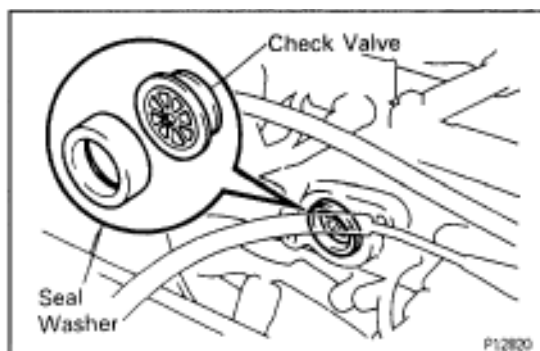
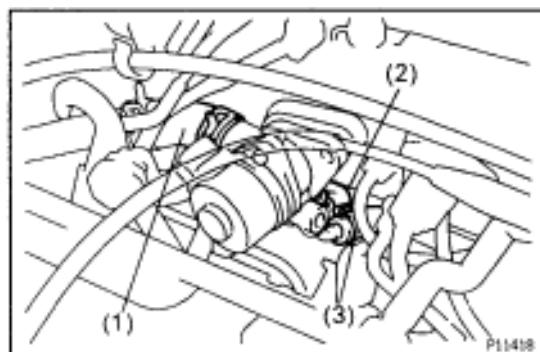
COMPONENTS FOR REMOVAL AND INSTALLATION





IAC VALVE REMOVAL

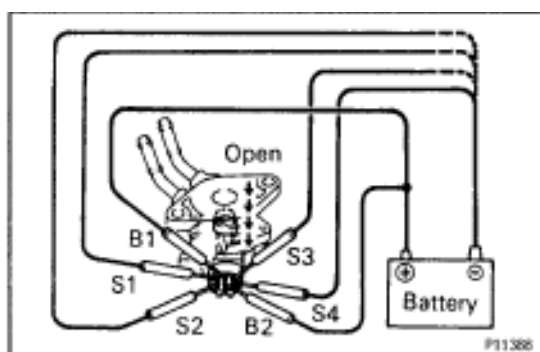
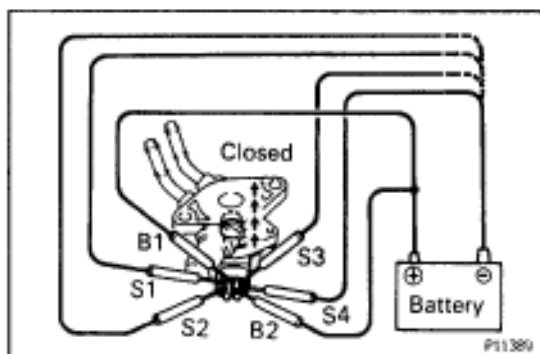
1. DRAIN ENGINE COOLANT
2. DISCONNECT IAC VALVE CONNECTOR
3. REMOVE IAC VALVE
 - (a) Remove the 2 bolts, and disconnect the IAC valve from the air intake chamber.
 - (b) Remove the gasket.
- (c) Disconnect these hoses from the IAC valve, and remove the IAC valve:
 - (1) Air hose
 - (2) Water bypass hose (from No.2 water bypass pipe)
 - (3) Water bypass hose (from No.4 water bypass pipe)
- (d) Remove the seal washer and check valve.

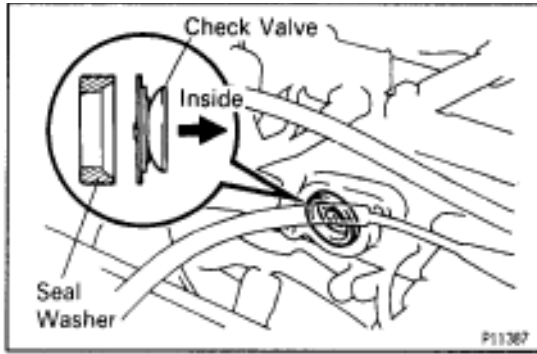


IAC VALVE INSPECTION

INSPECT IAC VALVE OPERATION

- (a) Apply battery voltage to terminals B1 and B2, and while repeatedly grounding S1-S2-S3-S4-S 1 in sequence, and check that the valve moves toward the closed position.
- (b) Apply battery voltage to terminals B1 and B2, and while repeatedly grounding S4-S3-S2-S1-S 4 in sequence, check that the valve moves toward the open position. If operation is not as specified, replace the IAC valve.





IAC VALVE INSTALLATION

1. INSTALL IAC VALVE

- (a) Install the check valve and seal washer.

NOTICE: Be careful of the check valve and seal washer installation direction.

- (b) Connect these hoses:

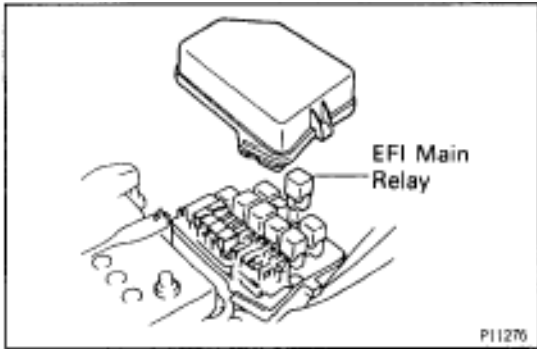
- Air hose
- Water bypass hose (from No.2 water bypass pipe)
- Water bypass hose (from No.4 water bypass pipe)

- (c) Install a new gasket and the IAC valve with the 2 bolts.

Torque: 21 N·m (210 kgf·cm, 15 ft·lbf)

2. CONNECT IAC VALVE CONNECTOR

3. FILL WITH ENGINE COOLANT

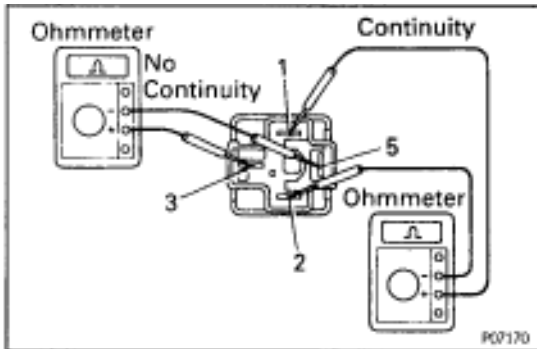


EFI MAIN RELAY

EFI MAIN RELAY INSPECTION

1. REMOVE EFI MAIN RELAY

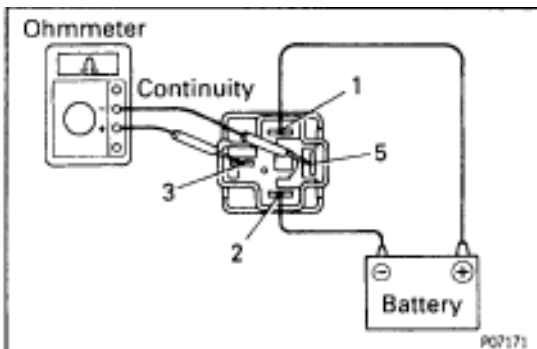
LOCATION: In the engine compartment relay box.



2. INSPECT EFI MAIN RELAY

A. Inspect relay continuity

- (a) Using an ohmmeter, check that there is continuity between terminals 1 and 2.
- (b) Check that there is no continuity between terminals 3 and 5. If continuity is not as specified, replace the relay.



B. Inspect relay operation

- (a) Apply battery voltage across terminals 1 and 2.
- (b) Using an ohmmeter, check that there is continuity between terminals 3 and 5. If operation is not as specified, replace the relay.

3. REINSTALL EFI MAIN RELAY