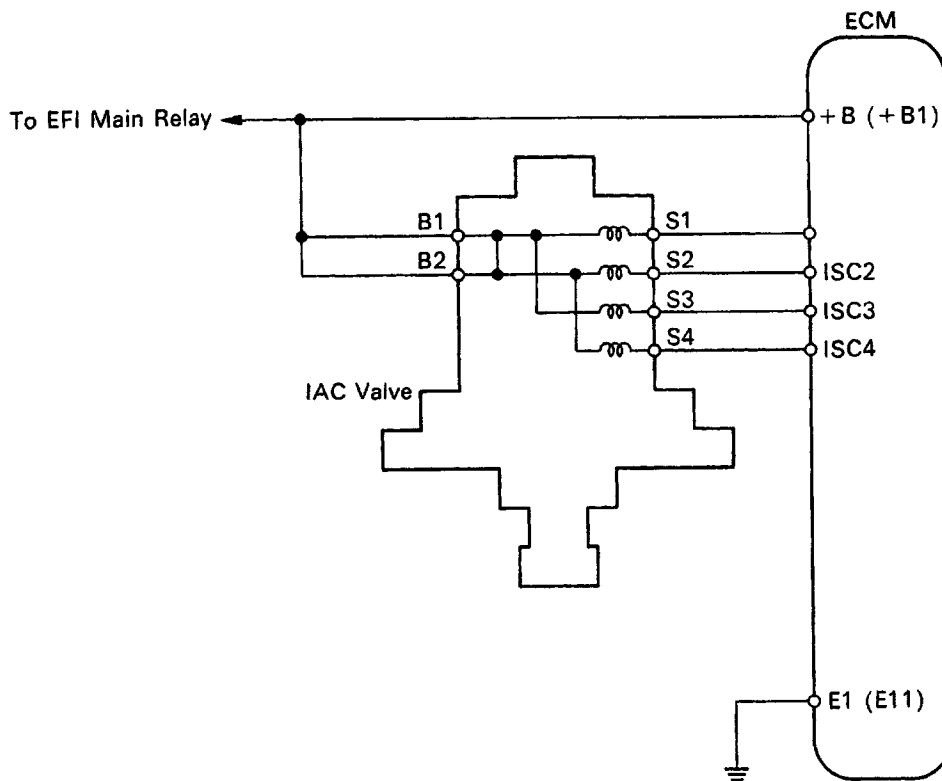
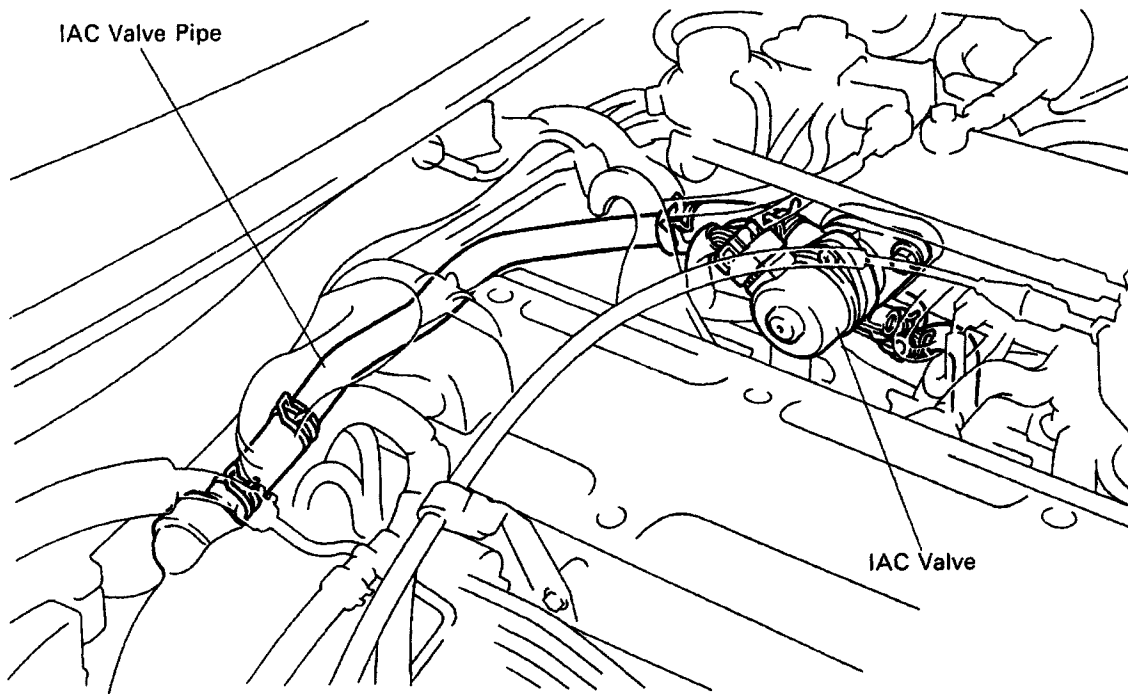
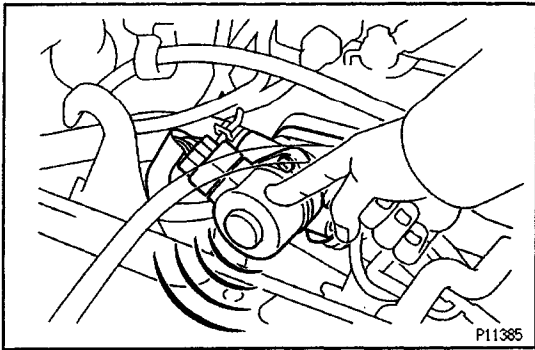


IDLE AIR CONTROL (IAC) VALVE

EG00K-0A



EG2V8-01



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.

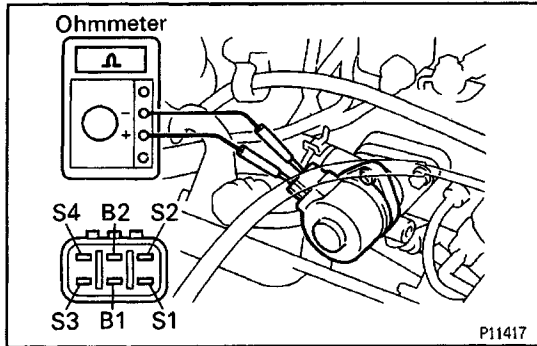
2. INSPECT IAC VALVE RESISTANCE

Using an ohmmeter, measure the resistance between the terminals (131 (or 132) to others).

Resistance:

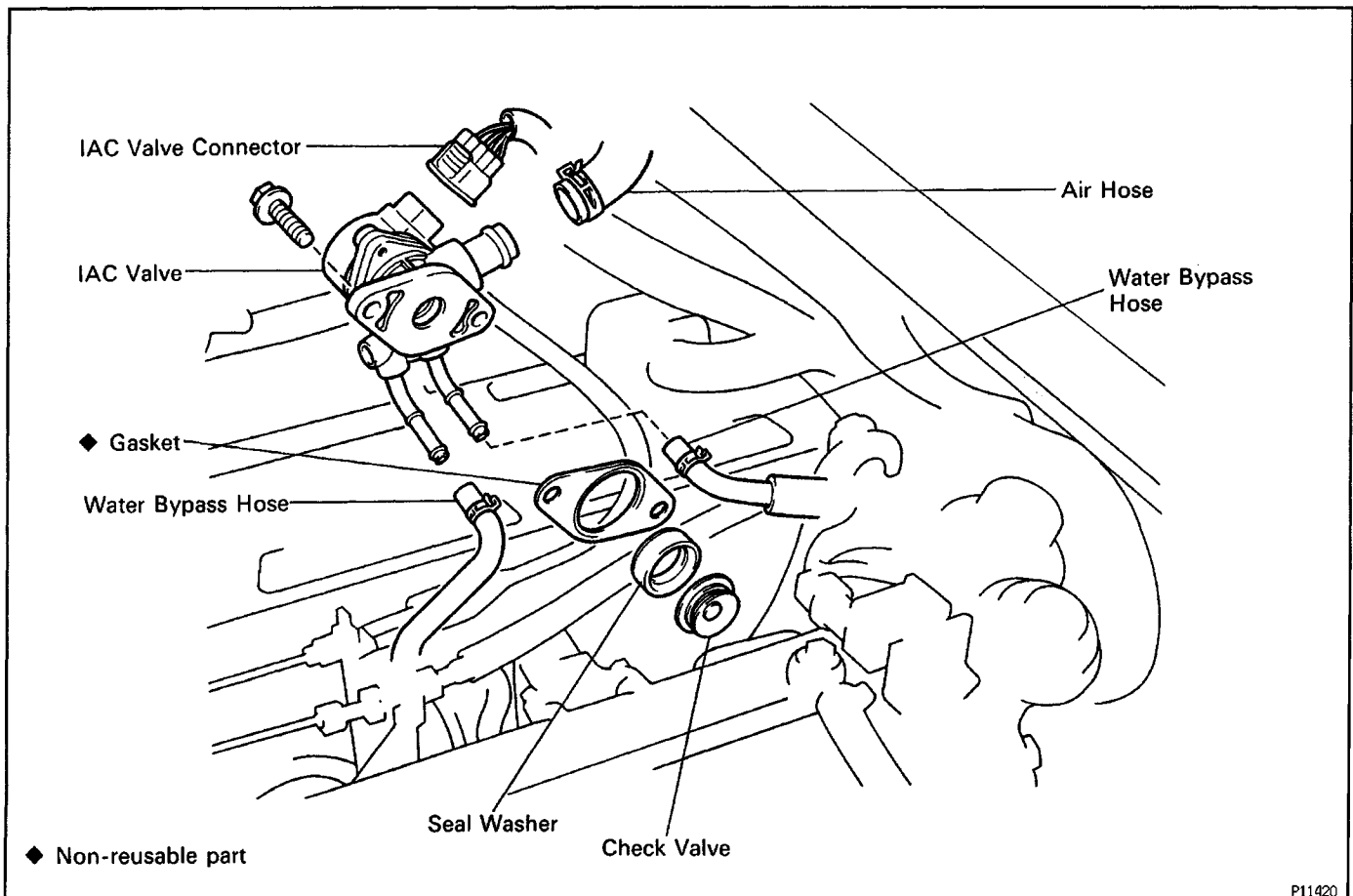
18 - 24Ω at 20°C (68°F)

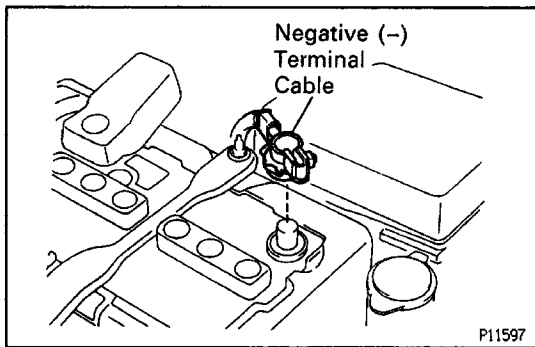
If resistance is not as specified, replace the IAC valve.



COMPONENTS FOR REMOVAL AND INSTALLATION

EG13R-03





IAC VALVE REMOVAL

(See Components for Removal and Installation)

1. DISCONNECT NEGATIVE TERMINAL CABLE FROM BATTERY

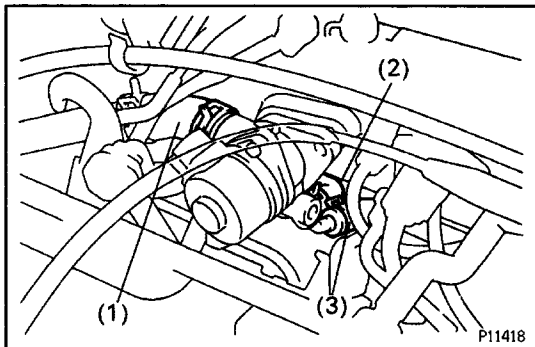
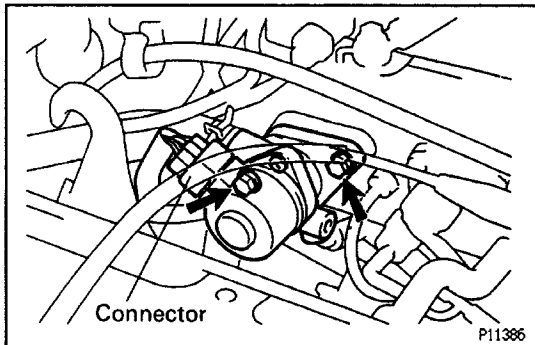
CAUTION: Work must be started after 90 seconds from the time the ignition switch is turned to the 'LOCK' position and the negative (-) terminal cable is disconnected from the battery.

2. DRAIN ENGINE COOLANT

3. DISCONNECT IAC VALVE CONNECTOR

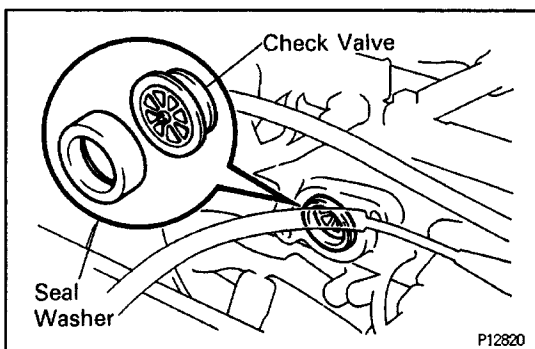
4. REMOVE IAC VALVE

- (a) Remove the 2 bolts, and disconnect the IAC valve from the air intake chamber.
- (b) Remove the gasket.



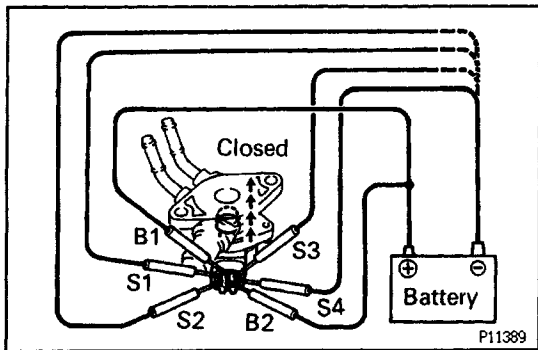
- (c) Disconnect the following hoses from the IAC valve, and remove the IAC valve:

- (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.

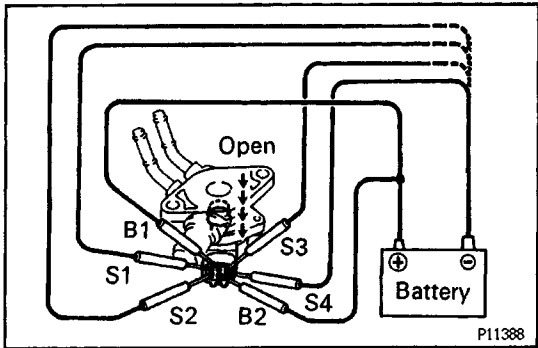
E022Y-01



IAC VALVE INSPECTION

INSPECT IAC VALVE OPERATION

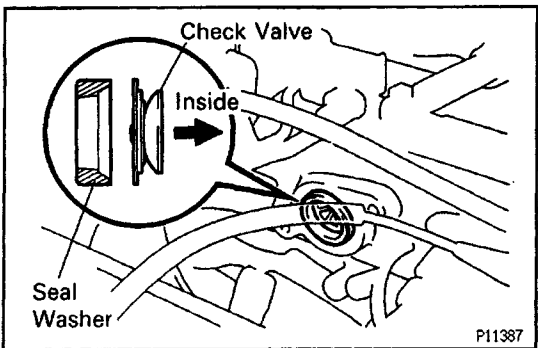
(a) Apply battery voltage to terminals 131 and B2, and while repeatedly grounding S1 - S2 - S3 - S4 - S1 in sequence, and check that the valve moves toward the closed position.



(b) Apply battery voltage to terminals 131 and B2, and while repeatedly grounding S4 - S3 - S2 - S1 - S4 in sequence, check that the valve moves toward the open position.

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

E022Z-01



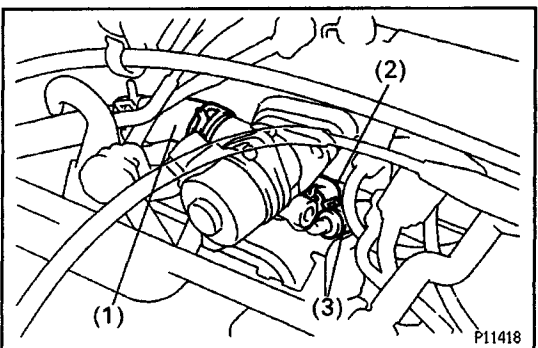
IAC VALVE INSTALLATION

(See Components for Removal and Installation)

1. INSTALL IAC VALVE

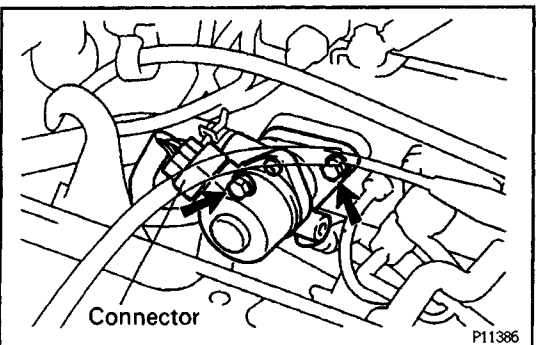
(a) Install the check valve and seal washer.

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



(b) Connect the following hoses:

- (1) Air hose
- (2) Water bypass hose (from No.2 water bypass pipe)
- (3) 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

4. CONNECT NEGATIVE TERMINAL CABLE TO BATTERY