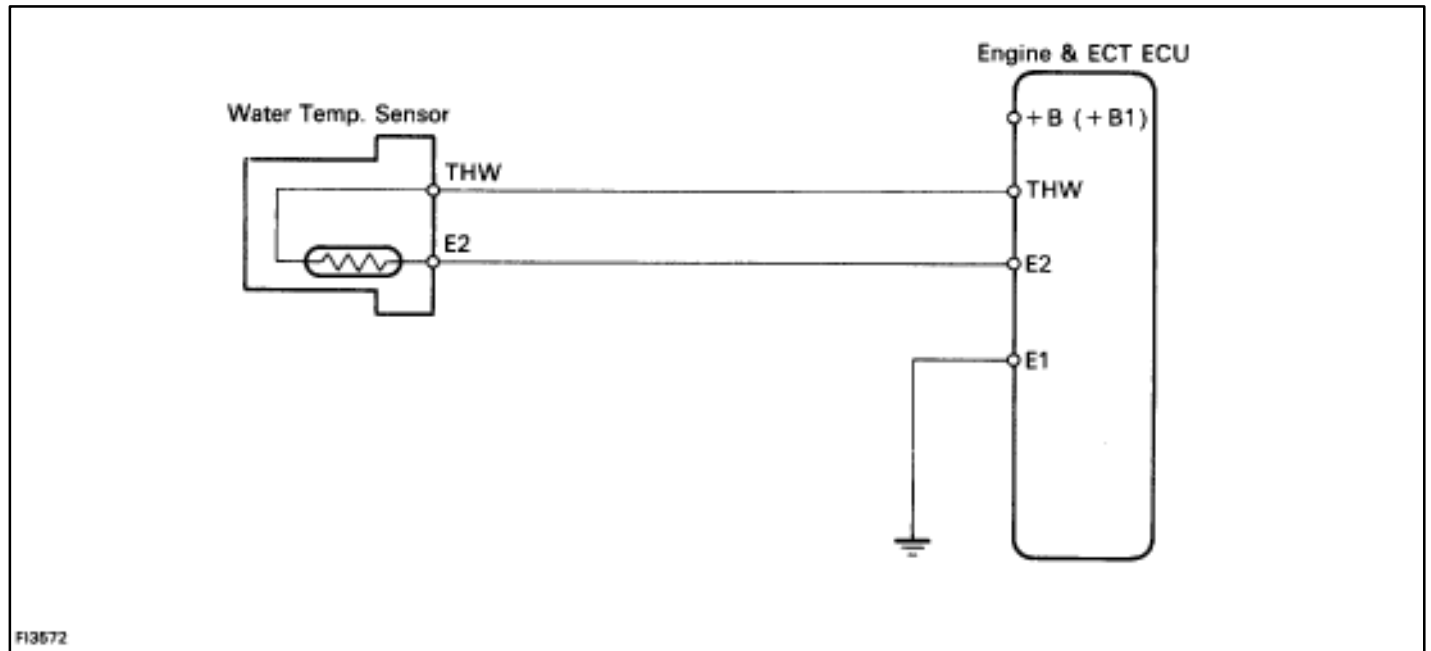
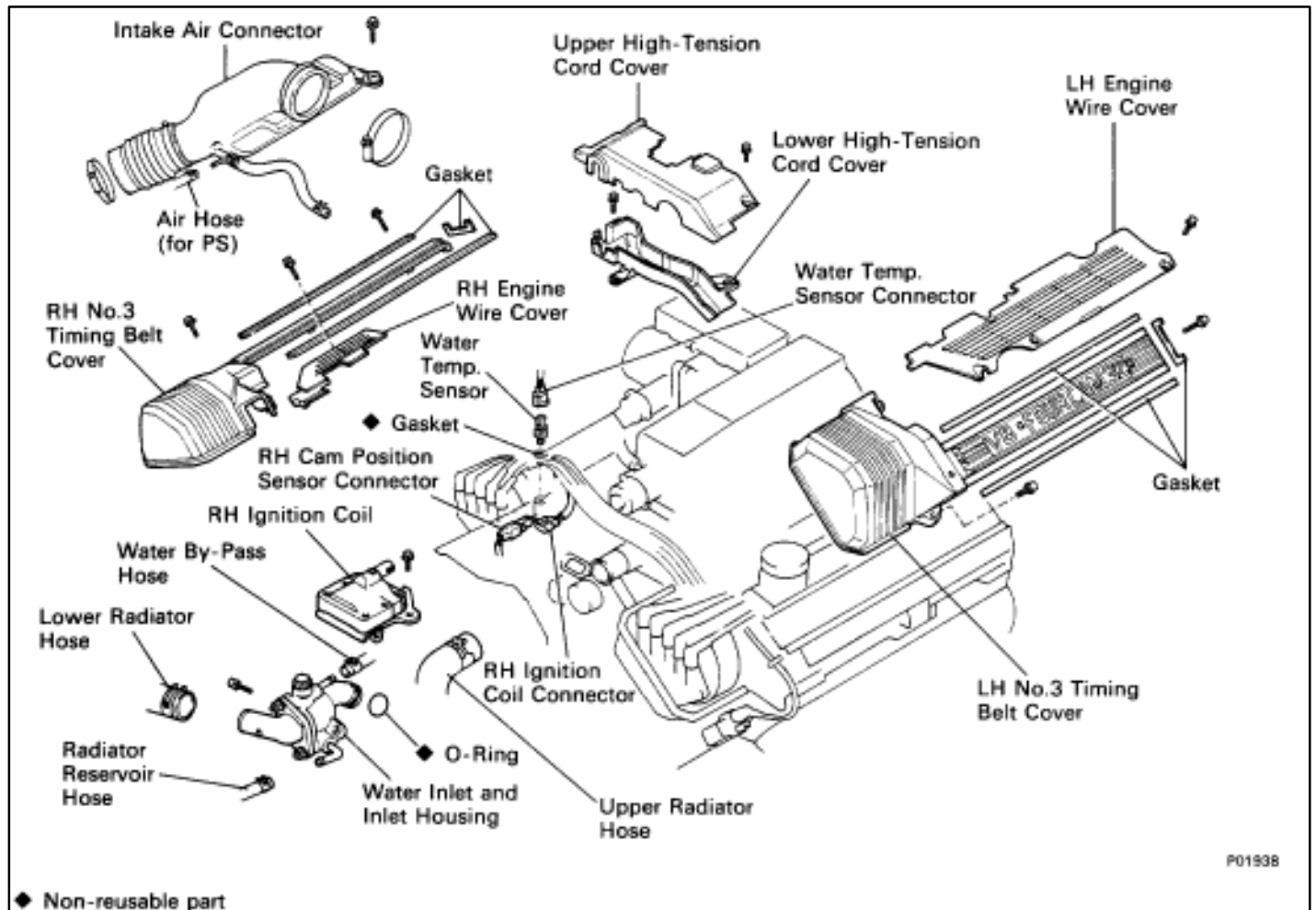
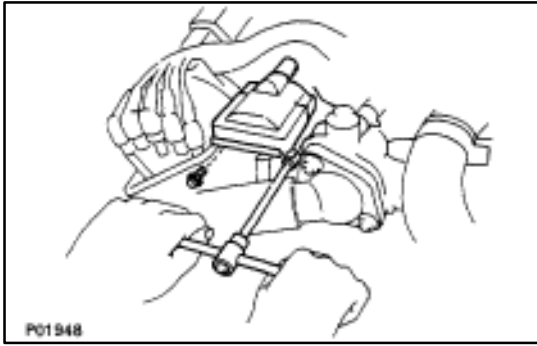


## Water Temperature Sensor



## COMPONENTS FOR REMOVAL AND INSTALLATION





## INSPECTION OF WATER TEMPERATURE SENSOR

### 1. REMOVE LOWER HIGH-TENSION CORD COVER

(See steps 1, 2 and 5 to 12 on pages FI-27 to 29)

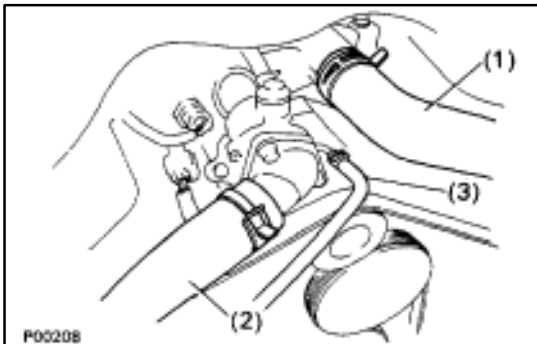
### 2. REMOVE RH IGNITION COIL

- Disconnect the ignition coil connector.
- Remove the two bolts, and disconnect the ignition coil.
- Disconnect the cam position sensor connector from the ignition coil bracket, and remove the ignition coil.

### 3. DISCONNECT HOSES

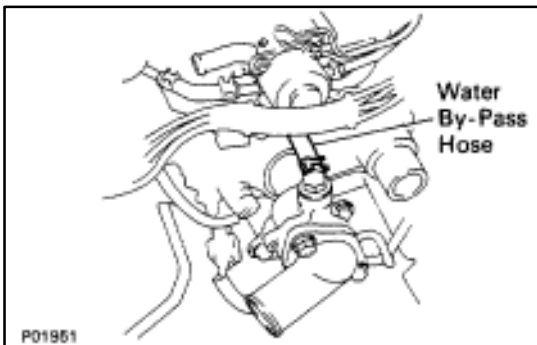
Disconnect the following hoses:

- Upper radiator hose from front water by-pass joint
- Lower radiator hose from water inlet
- Radiator reservoir hose from front water inlet housing



### 4. REMOVE WATER INLET AND INLET HOUSING

- Disconnect the water by-pass hose from the water inlet housing.

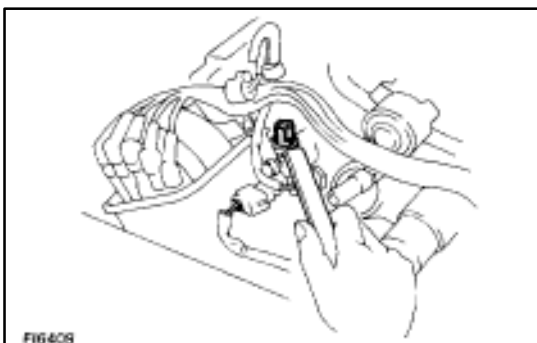


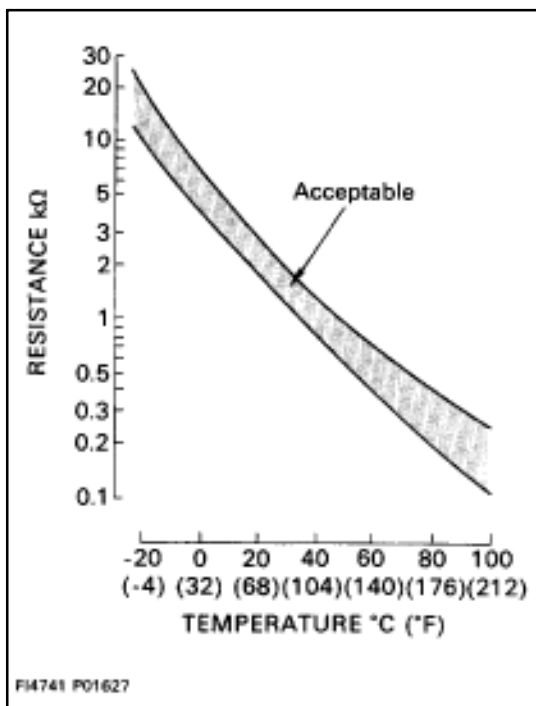
- Remove the two bolts holding the water inlet housing to the water pump.
- Pull out the water inlet and inlet housing assembly.
- Remove the O-ring from the water inlet housing.



### 5. REMOVE WATER TEMPERATURE SENSOR

- Disconnect the water temperature sensor connector.
- Remove the water temperature sensor and gasket.



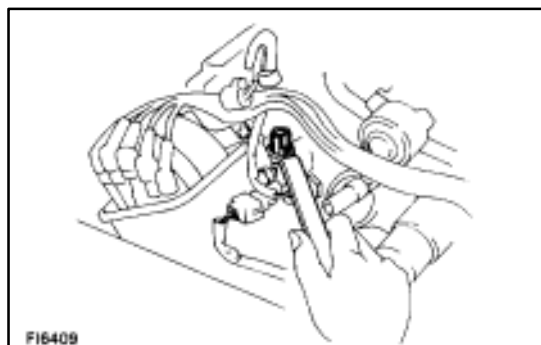
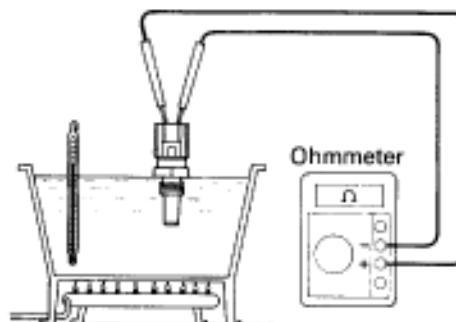


## 6. INSPECT WATER TEMPERATURE SENSOR

Using an ohmmeter, measure the resistance between the terminals.

**Resistance: Refer to the chart graph**

If the resistance is not as specified, replace the sensor.



## 7. REINSTALL WATER TEMPERATURE SENSOR

(a) Install a new gasket to the water temperature sensor.

(b) Install the water temperature sensor.

**Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)**

(c) Connect the water temperature sensor connector.

## 8. REINSTALL WATER INLET AND INLET HOUSING

(a) Remove any old packing (FIPG) material and be careful not to drop any oil on the contact surfaces of the water inlet housing and water pump.

- Using a razor blade and gasket scraper, remove all the old packing (FIPG) material from the gasket surfaces and sealing groove.
- Thoroughly clean all components to remove all the loose material.
- Using a non-residue solvent, clean both sealing surfaces.

(b) Apply seal packing to the sealing groove of the water inlet housing as shown in the illustration.

**Seal packing: Part No. 08826-00100 or equivalent**

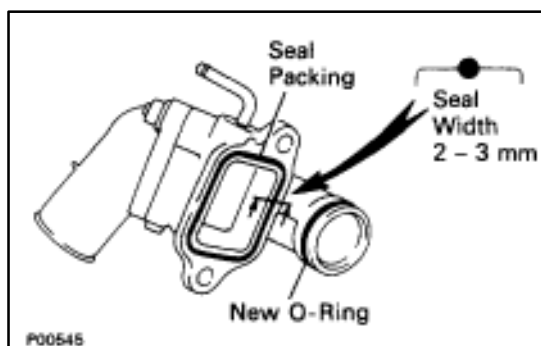
- Install a nozzle that has been cut to a 2–3 mm (0.08–0.12 in.) opening.

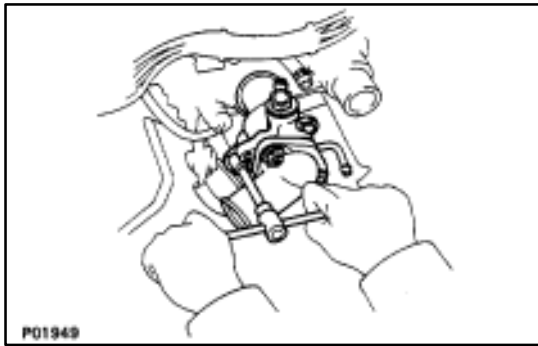
**HINT:** Avoid applying an excessive amount to the surface.

- Parts must be assembled within 5 minutes of application. Otherwise the material must be removed and reapplied.
- Immediately remove nozzle from the tube and reinstall cap.

(c) Install a new O-ring to the water inlet housing.

(d) Apply soapy water to the O-ring.



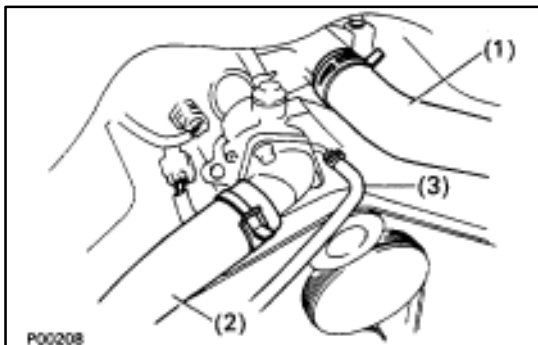


- (e) Push in the water inlet housing end into the water pump hole.
- (f) Install the water inlet and inlet housing assembly with the two bolts. Alternately tighten the bolts.

**Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**



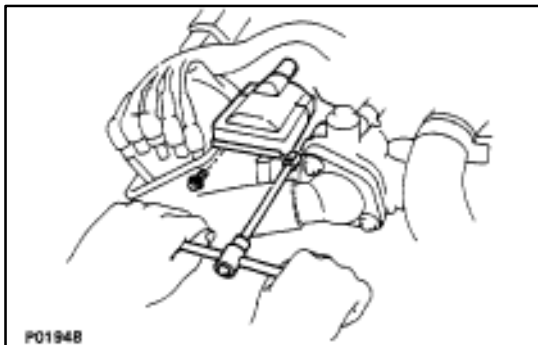
- (g) Connect the water by-pass hose to the water inlet housing.



## 9. RECONNECT HOSES

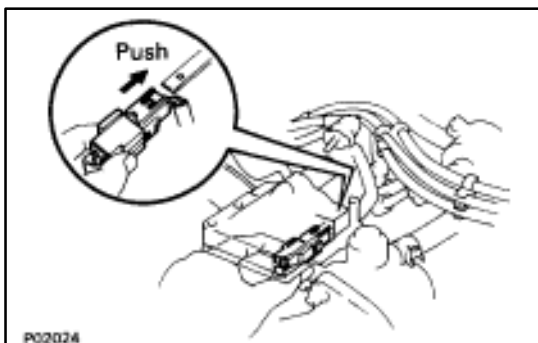
Connect the following hoses:

- (1) Upper radiator hose to front water by-pass joint
- (2) Lower radiator hose to water inlet
- (3) Radiator reservoir hose to front water inlet housing



## 10. REINSTALL RH IGNITION COIL

- (a) Install the ignition coil with the two bolts.



- (b) Install the cam position sensor connector to the ignition coil bracket.
- (c) Connect the ignition coil connector.

## 11. REINSTALL LOWER HIGH-TENSION CORD COVER (See steps 1 to 13 and 16 to 18 on pages FI-39 to 41)