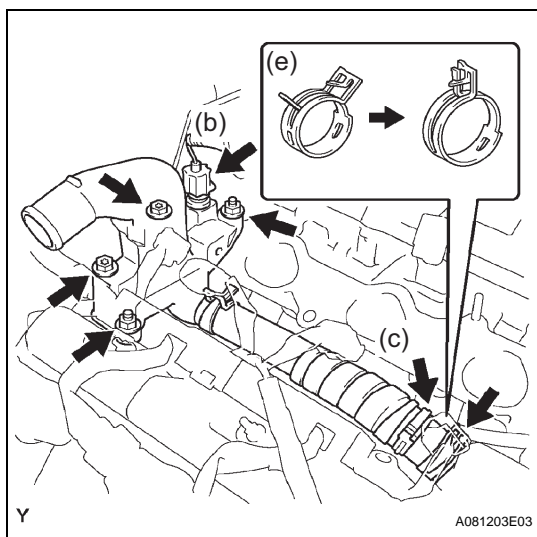


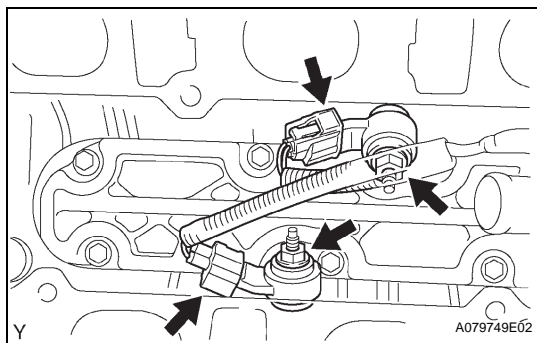
## 16. REMOVE WATER OUTLET

- (a) Disconnect the radiator hose inlet.



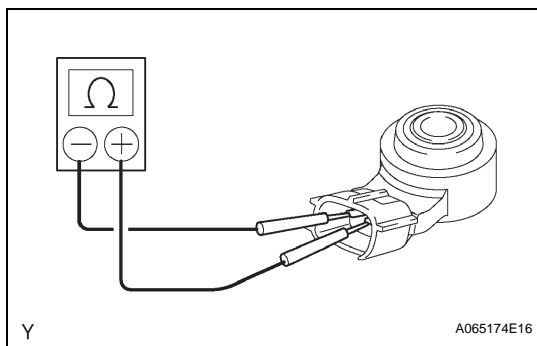
- (b) Disconnect the engine coolant temperature sensor connector.  
 (c) Remove the clamp.  
 (d) Remove the 2 bolts, 2 nuts and 2 washers.  
 (e) Lock the hose clamp as shown in the illustration and remove the water outlet together with water by-pass hose No. 1.  
 (f) Remove the 2 gaskets from the 2 cylinder heads.

ES



## 17. REMOVE KNOCK SENSOR

- (a) Disconnect the 2 knock sensor connectors.  
 (b) Remove the 2 nuts, and then remove the 2 knock sensors.



## INSPECTION

### 1. INSPECT KNOCK SENSOR

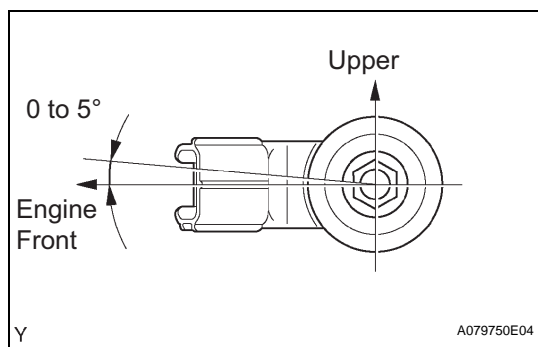
- (a) Continuity inspection.  
 (1) Using an ohmmeter, measure the resistance between the terminals.

**Resistance:**

**120 to 280 k $\Omega$  at 20°C (68°F)**

**HINT:**

If the resistance is not specified, replace the sensor.



## INSTALLATION

### 1. INSTALL KNOCK SENSOR

- (a) Install the 2 knock sensors with the 2 nuts as shown in the illustration.

**Torque: 20 N\*m (199 kgf\*cm, 14 ft.\*lbf)**

- (b) Connect the 2 knock sensor connectors.

### 2. INSTALL WATER OUTLET

- (a) Install 2 new gaskets to the 2 cylinder heads.

- (b) Install the water outlet together with water by-pass hose No. 1 and unlock the hose clamp.

- (c) Tighten the 2 bolts, 2 nuts and 2 washers.

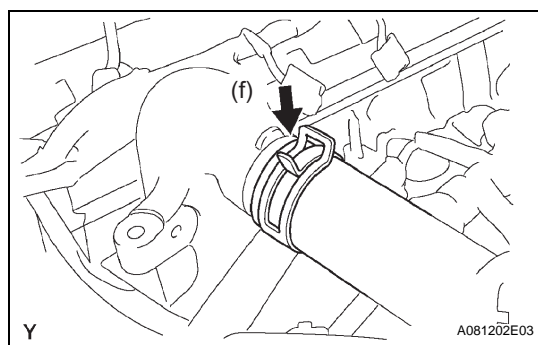
**Torque: 15 N\*m (153 kgf\*cm, 11 ft.\*lbf)**

- (d) Install the clamp.

- (e) Connect the engine coolant temperature sensor connector.

- (f) Connect the radiator hose inlet.

### 3. INSTALL ENGINE MOVING CONTROL ROD (See page [EM-29](#))



### 4. INSTALL INTAKE MANIFOLD

- (a) Install the intake manifold with the 9 bolts, 2 nuts and 2 washers. Using several steps, tighten the bolts and nuts uniformly in the sequence shown in the illustration.

**Torque: 15 N\*m (153 kgf\*cm, 11 ft.\*lbf)**

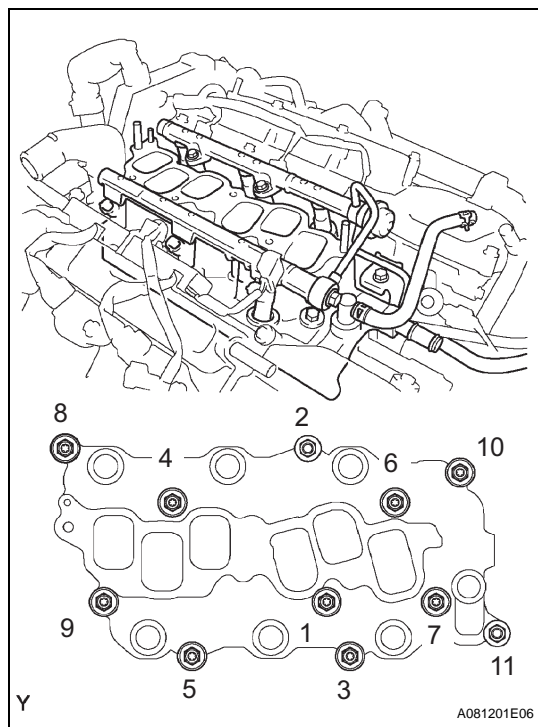
- (b) Retighten the water outlet mounting bolts and nuts.

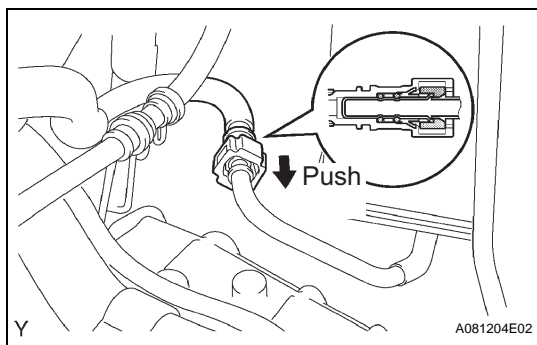
**Torque: 15 N\*m (153 kgf\*cm, 11 ft.\*lbf)**

- (c) Install the ground cable with the nut.

**Torque: 8.4 N\*m (86 kgf\*cm, 74 in.\*lbf)**

- (d) Connect the heater inlet water hose.





(e) Connect the fuel pipe No. 1.

- (1) Push in the quick connector to the pipe until it makes "click" sound.

**NOTICE:**

- Check if there is any damage or foreign objects on the connected part.
- After connecting, check if the connector and pipe are securely connected by pulling them.

- (2) Install the EFI fuel pipe clamp.

5. INSTALL INTAKE AIR SURGE TANK (See page [FU-15](#))
6. INSTALL EMISSION CONTROL VALVE SET (See page [FU-16](#))
7. INSTALL AIR CLEANER CAP SUB-ASSEMBLY (See page [FU-16](#))
8. CHECK CONNECTION OF VACUUM HOSE (See page [EM-127](#))
9. ADD ENGINE COOLANT (See page [CO-7](#))
10. CHECK FOR ENGINE COOLANT LEAKS (See page [CO-1](#))
11. CHECK FOR FUEL LEAKS (See page [FU-4](#))
12. INSTALL V-BANK COVER SUB-ASSEMBLY (See page [ES-374](#))
13. INSTALL COWL TOP PANEL SUB-ASSEMBLY OUTER (See page [FU-16](#))
14. INSTALL WINDSHIELD WIPER LINK ASSEMBLY (See page [WW-38](#))
15. INSTALL COWL TOP VENTILATOR LOUVER SUB-ASSEMBLY
16. INSTALL FRONT FENDER TO COWL SIDE SEAL RH
17. INSTALL FRONT FENDER TO COWL SIDE SEAL LH
18. INSTALL FR WIPER ARM RH (See page [WW-40](#))
19. INSTALL FR WIPER ARM LH (See page [WW-39](#))