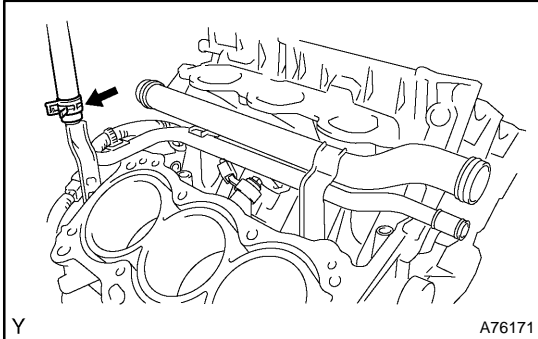


KNOCK SENSOR (1GR-FE)

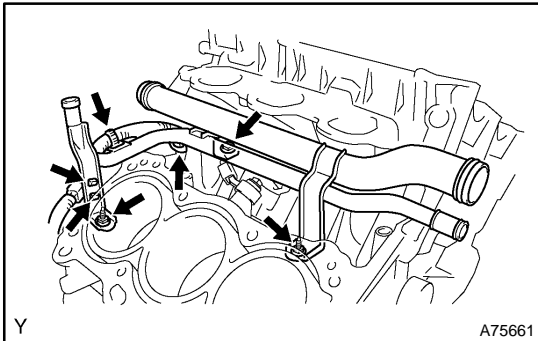
REPLACEMENT

100D5-01

1. REMOVE CYLINDER HEAD SUB-ASSY (See page 14-163)

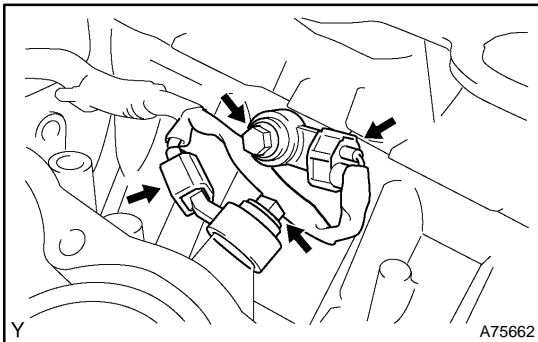


2. DISCONNECT HEATER WATER INLET HOSE A



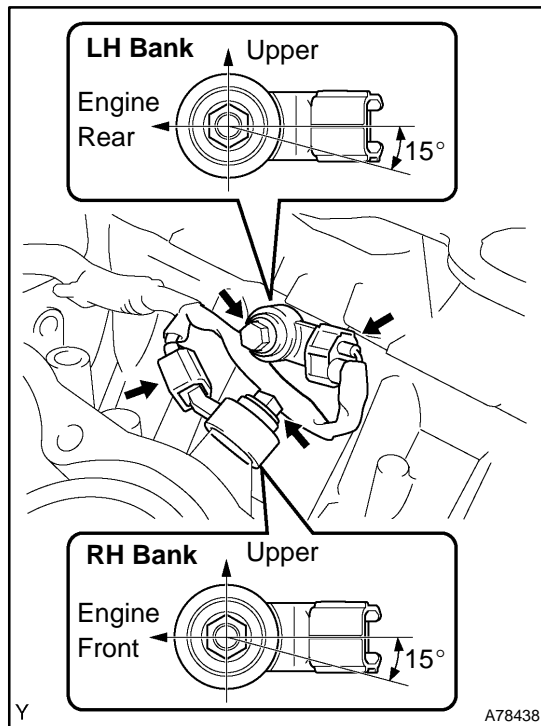
3. REMOVE WATER OUTLET PIPE NO.1

- (a) Remove the 4 wire harness clamps.
- (b) Remove the bolt, 2 nuts and water outlet pipe.



4. REMOVE KNOCK SENSOR

- (a) Disconnect the 2 knock sensor connectors.
- (b) Remove the 2 bolts and 2 knock sensors.

**5. INSTALL KNOCK SENSOR**

- (a) Install the 2 knock sensor with the 2 bolts as shown in the illustration.

Torque: 20 N·m (204 kgf·cm, 15 ft·lbf)

- (b) Connect the 2 knock sensor connectors.

6. REMOVE WATER OUTLET PIPE NO.1

- (a) Install the water outlet pipe with the bolt and 2 nuts.

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)

- (b) Install the 4 wire harness clamps.

7. CONNECT HEATER WATER INLET HOSE A**8. INSTALL CYLINDER HEAD SUB-ASSY (See page 14-163)**