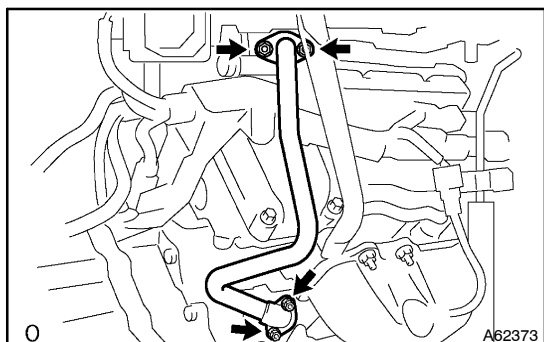


EGR VALVE ASSY (1MZ-FE)

REPLACEMENT

12039-01

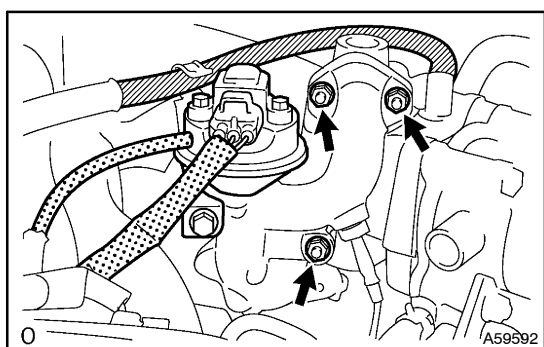


1. REMOVE EGR PIPE SUB-ASSY NO.2

- (a) Remove the 4 nuts, EGR pipe and 2 gaskets.

2. REMOVE EGR VALVE ASSY

- (a) Disconnect the EGR gas temperature sensor connector and clamp.
- (b) Disconnect the EVAP hose from the EGR valve hook.
- (c) Disconnect the vacuum hose from the EGR valve.
- (d) Disconnect the EGR valve position sensor connector.
- (e) Remove the 3 nuts, EGR valve and gasket.

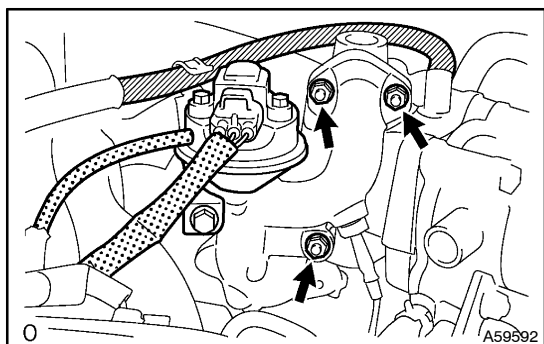


3. REMOVE E.G.R GAS TEMPERATURE SENSOR

4. REPLACE EGR VALVE ASSY

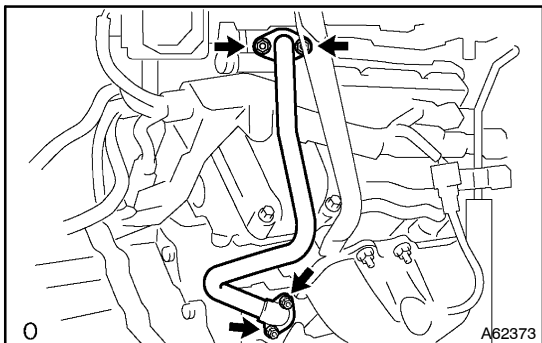
5. INSTALL E.G.R GAS TEMPERATURE SENSOR

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



6. INSTALL EGR VALVE ASSY

- (a) Install a new gasket and the EGR valve with the 3 nuts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)
- (b) Connect the EGR valve position sensor connector.
- (c) Connect the vacuum hose to the EGR valve.
- (d) Connect the EVAP hose to the EGR valve hook.
- (e) Connect the EGR gas temperature sensor connector and clamp.



7. INSTALL EGR PIPE SUB-ASSY NO.2

- (a) Install 2 new gaskets and the EGR pipe with the 4 nuts.
Torque: 12 N·m (120 kgf·cm, 9 ft·lbf)