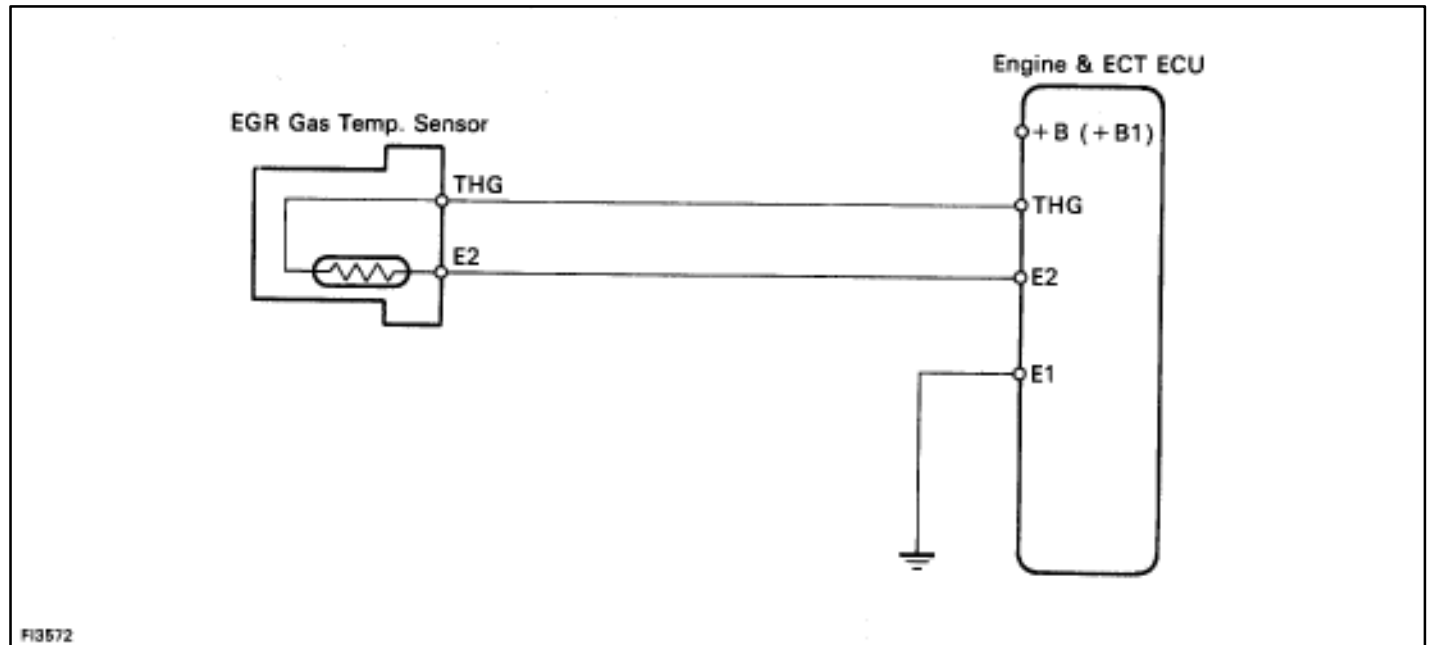
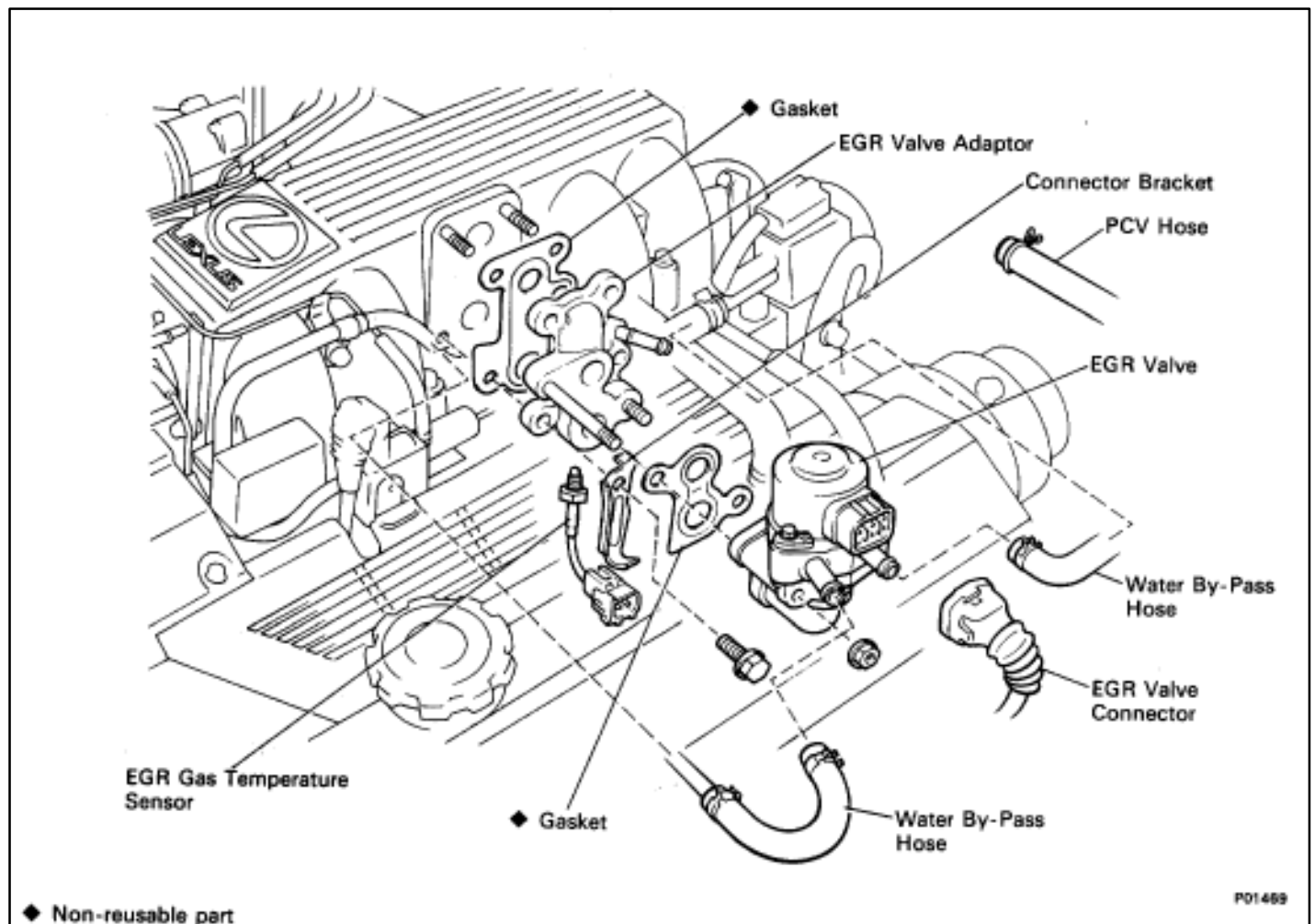
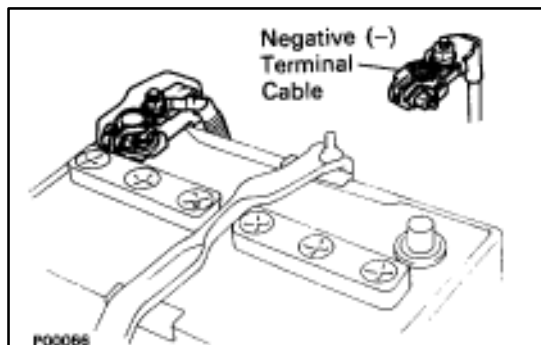


EGR Gas Temperature Sensor (USA Spec. only)



COMPONENTS FOR REMOVAL AND INSTALLATION





INSPECTION OF EGR GAS TEMPERATURE SENSOR

1. DISCONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY

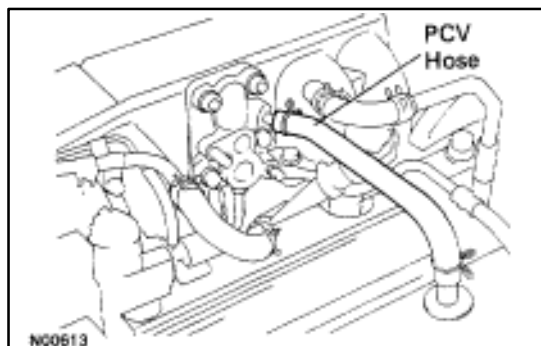
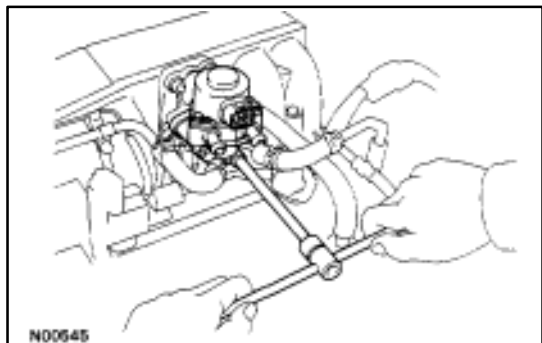
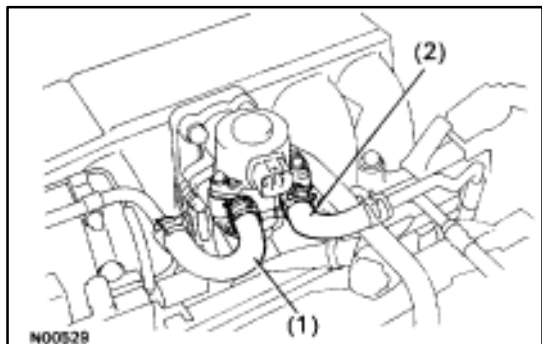
CAUTION: Work must be started after approx. 20 seconds or longer from the time the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.

2. DRAIN ENGINE COOLANT

3. REMOVE EGR VALVE

- Disconnect the EGR gas temperature sensor.
- Disconnect the following hoses from the EGR valve:
 - Water by-pass hose (from ISC valve)
 - Water by-pass hose (from rear water by-pass joint)

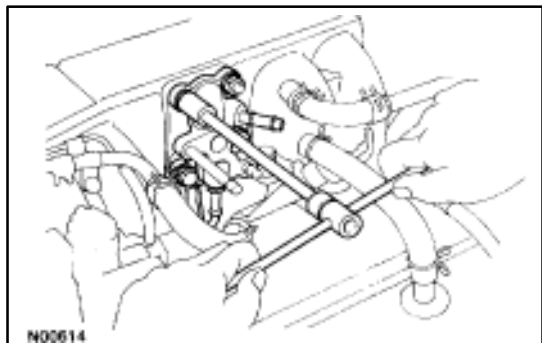
- Remove the two nuts, EGR valve and gasket.

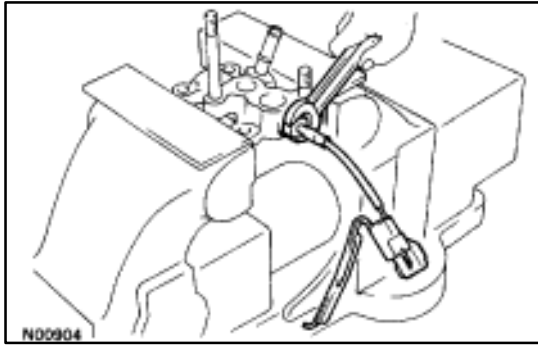


4. REMOVE EGR VALVE ADAPTOR

- Disconnect the EGR gas temperature sensor.
- Disconnect the PCV hose from the EGR valve adaptor.

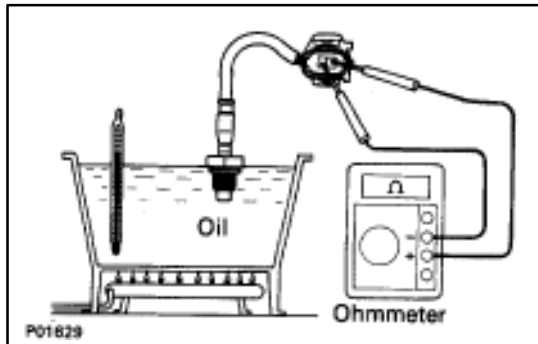
- Remove the two bolts, two nuts, EGR valve adaptor and gasket.





5. REMOVE EGR GAS TEMPERATURE SENSOR FROM EGR VALVE ADAPTOR

- Mount the EGR valve adaptor in a vise.
- Remove the EGR valve adaptor.
- Remove the connector bracket from the sensor connector.

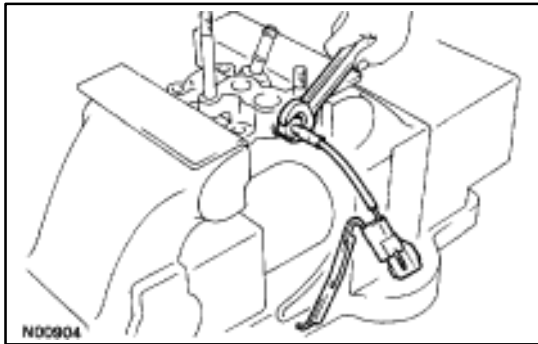


6. INSPECT EGR GAS TEMPERATURE SENSOR

Using an ohmmeter, measure the resistance between the terminals.

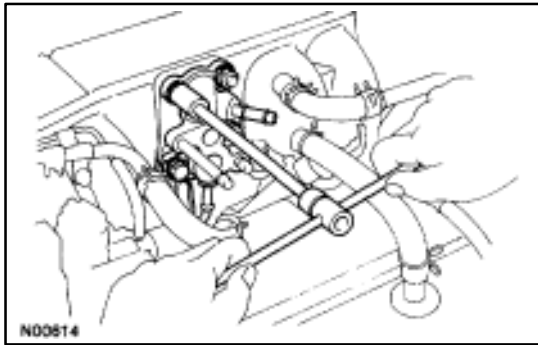
Resistance: 69–89 k Ω at 50°C (112°F)
 12–15 k Ω at 100°C (212°F)
 2–4 k Ω at 150°C (302°F)

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



7. REINSTALL EGR GAS TEMPERATURE SENSOR TO EGR VALVE ADAPTOR

- Mount the EGR valve adaptor in a vise.
 - Install the EGR gas temperature to the adaptor.
- Torque: 20 N·m (200 kgf·cm, 14 ft·lbf)**
- Install the connector bracket to the sensor connector.

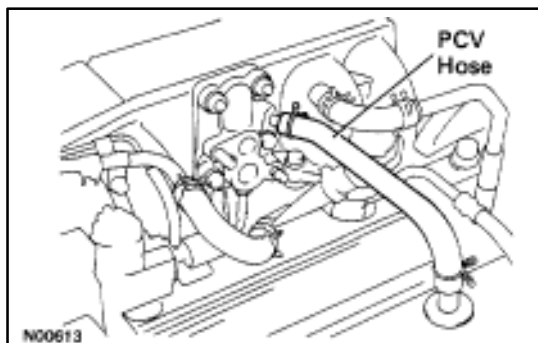


8. REINSTALL EGR VALVE ADAPTOR

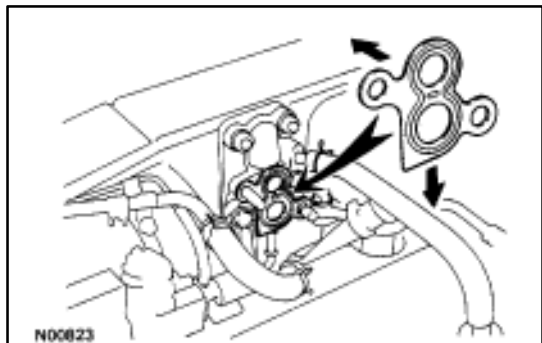
- Install a new gasket, the adaptor and connector bracket with the two bolts, two nuts, EGR valve adaptor and gasket.

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

NOTICE: Do not touch the air intake chamber and adaptor surfaces of the gasket with your hand.



- Connect the PCV hose to the EGR valve adaptor.
- Connect the EGR gas temperature sensor.

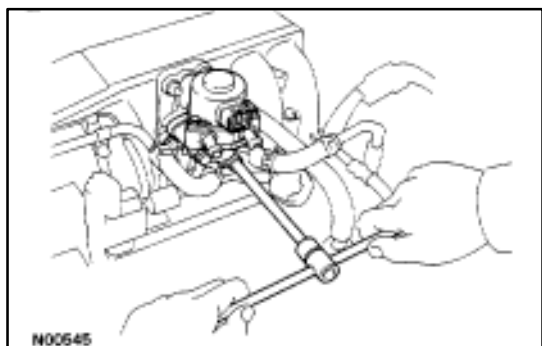


9. REINSTALL EGR VALVE

(a) Place a new gasket on the EGR valve adaptor.

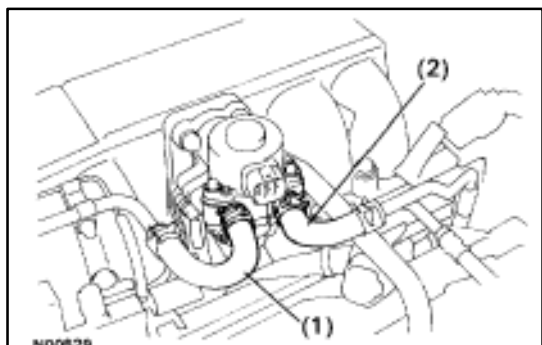
NOTICE:

- Do not touch the adaptor and EGR valve surfaces of the gasket with your hand.
- Align the port holes of the gasket and adaptor. Be careful of the installation direction.



(b) Install the EGR valve with the two nuts.

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



(c) Connect the following hoses to the EGR valve:

- (1) Water by-pass hose (from ISC valve)
- (2) Water by-pass hose (from rear water by-pass joint)

(d) Connect the EGR gas temperature sensor.

10. RECONNECT CABLE FROM NEGATIVE TERMINAL OF BATTERY

11. REFILL WITH ENGINE COOLANT