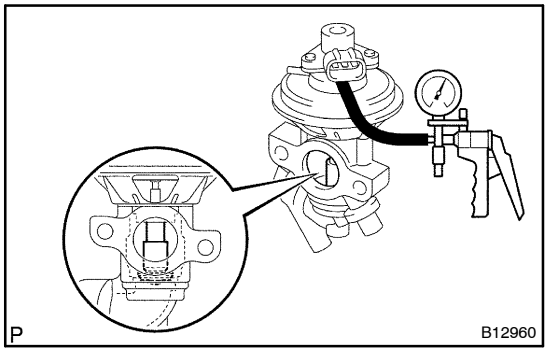
EC0IP–01



INSPECTION

1. INSPECT EGR VALVE

(a) Remove the EGR valve.

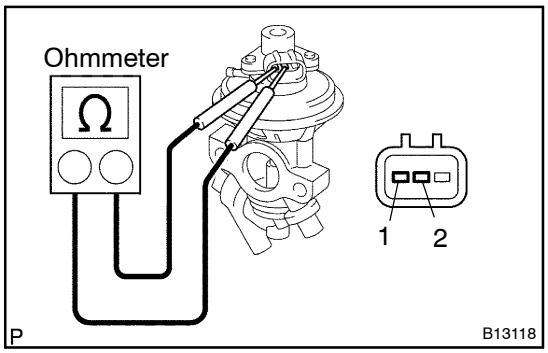
(b) Under the condition of applying the vacuum to the diaphragm chamber, check the valve operation.

Vacuum	EGR Valve
Less than 13 kPa (100 mmHg, 3.8 in. Hg)	Closed
More than 27 kPa (200 mmHg, 8.0 in. Hg)	Open

(c) When applying more than 67 kPa (500 mmHg, 19 in.Hg) of the vacuum, check if there is any leakage of the vacuum.

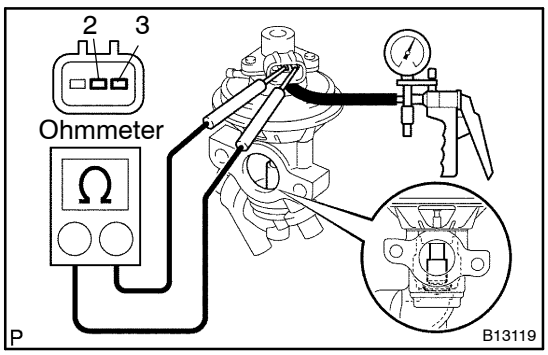
(d) Check the valve for sticking and heavy carbon deposits.

If a problem is found, replace it.



(e) Using an ohmmeter, check the resistance between terminals 1 and 2 of the EGR lift sensor.

Resistance: 2.6 kΩ at 20°C (68°F)



(f) Apply vacuum to the diaphragm chamber and then check each resistance between terminals of 3 and 2 of the lift sensor when the valve is fully opened and also when fully closed.

Resistance:

EGR Valve	Resistance
Fully opened	0.6 kΩ at 20°C (68°F)
Fully closed	2.2 kΩ at 20°C (68°F)

HINT:

The resistance valve increases in proportion to the opening angle of the EGR valve.

(g) Reinstall the EGR valve.

2. INSPECT E–VRV FOR EGR (See page ED–11)

3. INSPECT ACCELERATOR PEDAL POSITION SENSOR (See page ED–19)

4. INSPECT ENGINE SPEED SENSOR (See page ED–17)

5. INSPECT INTAKE AIR TEMPERATURE SENSOR (See page ED–13)

6. INSPECT WATER TEMPERATURE SENSOR (See Pub. No. RM710E, page ED–15)

7. INSPECT TURBO PRESSURE SENSOR (See page ED–15)