

IGNITION SYSTEM

CAM POSITION SENSOR

1. Disconnect the connector of the cam position sensor.
2. While cranking the engine, measure the output voltage between the connector terminals of the cam position sensor, using an oscilloscope.

NOTE:

- When the engine is cranked with the cam position sensor connector disconnected, the EFI diagnosis code No. 13 is detected. After completion of the check, cancel this code.

(For canceling of the diagnosis code, refer to the EF section.)

3. Measure the resistance between each terminals of the connector.

Specified Value: $1100 \pm 150 \Omega$

4. Remove the timing belt cover.
(Refer to the EM section.)

5. At all four points, check to see if the air gap between the signal rotor and the cam position sensor conforms to the specified value.

Specified Air Gap: $0.8 \pm 0.5 \text{ mm}$

NOTE:

- No air gap adjustment is required.

6. Remove the cam position sensor.
(Refer to the EM section for the removal procedure.)
7. Visually check the cam position sensor for external damage and so forth.

If any abnormality exists, replace the sensor.

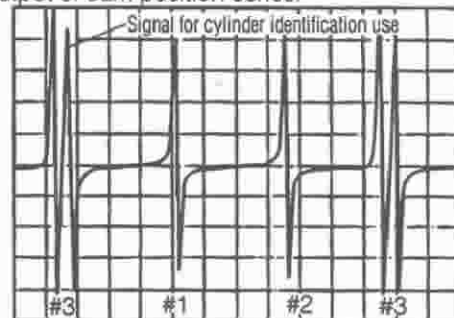
8. Install the cam position sensor by tightening the attaching bolt to the specified tightening torque.

Tightening Torque: $8.0 \pm 1.6 \text{ N}\cdot\text{m}$

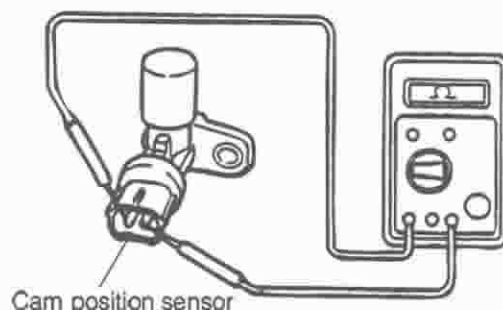
9. Install the timing belt cover. (Refer to the EM section.)

10. Connect the connector of cam position sensor.

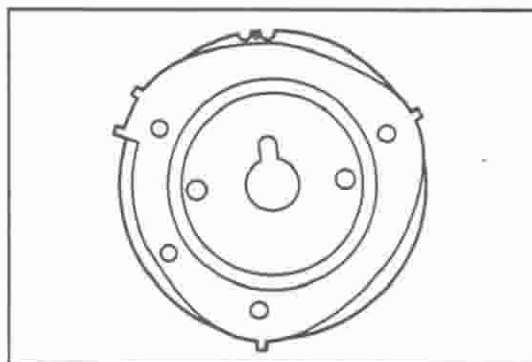
Output of cam position sensor



LIG00009-00008



LIG00010-00009



LIG00011-00010

LIG00012-00000