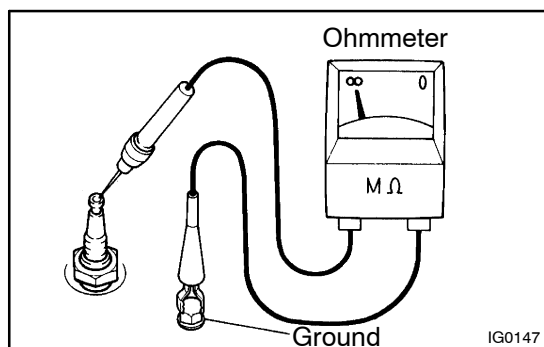


INSPECTION

1. INSPECT SPARK PLUG

NOTICE:

- Do not use a wire brush to clean the spark plug.
- Do not try to adjust the electrode gap of a used spark plug.

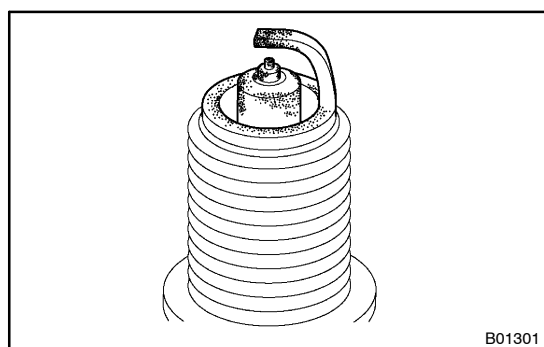


(a) Inspect the resistance.

- (1) Using an ohmmeter, measure the resistance between the insulation and body ground.

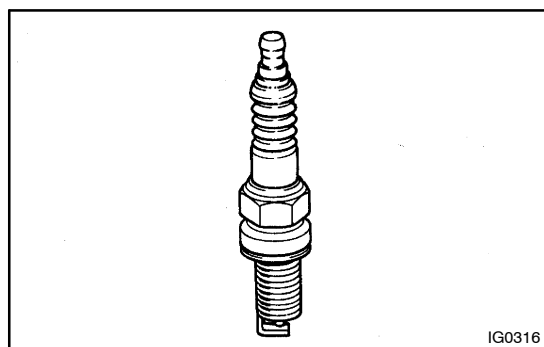
Resistance: 10 MΩ or more

If the resistance is not as specified, check the electrode gap.



(b) Alternative inspection method.

- (1) Quickly accelerate the engine speed to 4,000 rpm 5 times.
- (2) Remove the spark plug.
- (3) Visually check the spark plug.
- (4) If the electrode is dry...OK.
- (5) If the electrode is wet...Proceed to step (c).
- (6) Reinstall the spark plug.



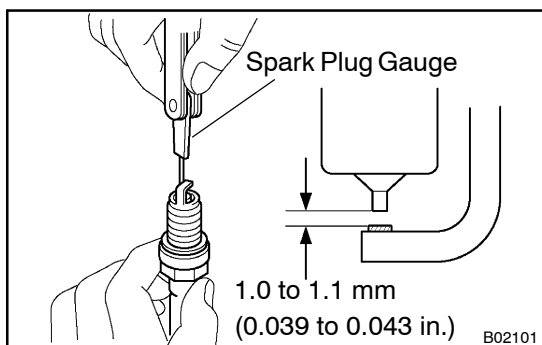
(c) Check the appearance.

- (1) Check the thread and insulator of the spark plug for damage.

If damaged, replace the spark plug.

Recommended spark plug:

Supplier	Type
DENSO (1AZ-FE)	SK20R11
DENSO (2AZ-FE)	K20R-U11
NGK (1AZ-FE)	IFR6A11
NGK (2AZ-FE)	BKR6EYA11



(d) Inspect the electrode gap.

- (1) Using a spark plug gauge, measure the electrode gap.

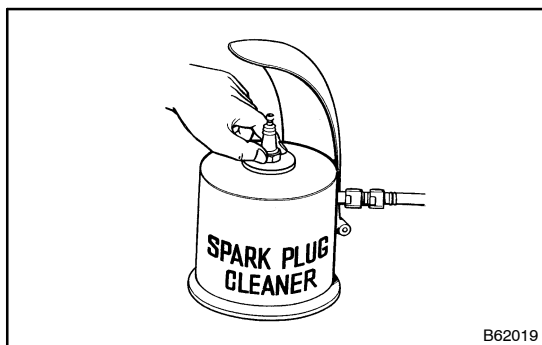
Maximum electrode gap of used spark plug:

1.3 mm (0.051 in.)

If the electrode gap is greater than maximum, replace the spark plug.

Electrode gap of new spark plug:

1.0 to 1.1 mm (0.039 to 0.043 in.)



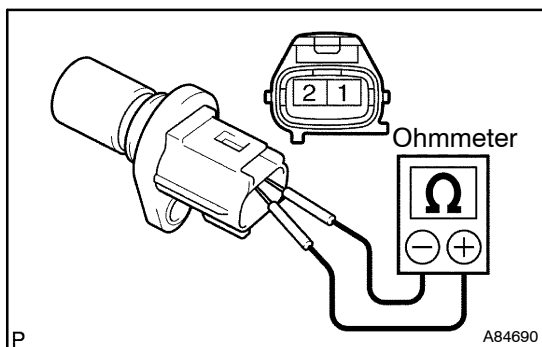
(e) Clean the spark plugs.

If the electrode has traces of wet carbon, clean the electrode with a spark plug cleaner, then dry it.

Air pressure: Blow 588 kPa (6 kgf/cm², 85 psi)

Duration: 20 seconds or shorter

If there are traces of oil, remove them with gasoline before using the spark plug cleaner.



2. INSPECT CAMSHAFT POSITION SENSOR

(a) Inspect the resistance.

- (1) Using an ohmmeter, measure the resistance between the terminals.

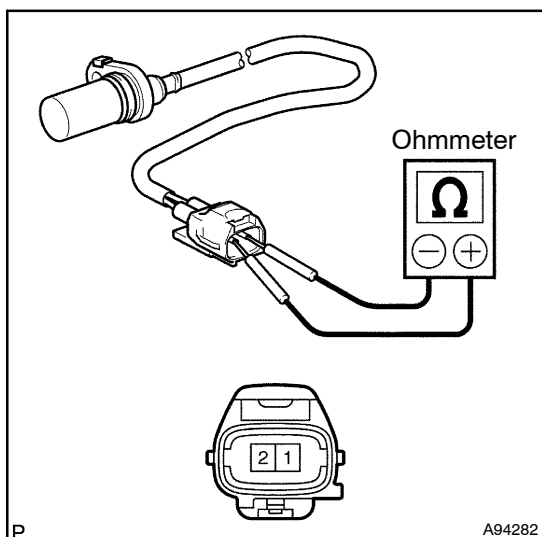
Standard:

Tester Connection	Specified Condition
1 (G+) - 2 (G-)	835 to 1,400 Ω at cold
1 (G+) - 2 (G-)	1,060 to 1,645 Ω at hot

NOTICE:

"Cold" and "Hot" mean temperature of the coils themselves. "Cold" is from -10°C (14°F) to 50°C (122°F) and "Hot" is from 50°C (122°F) to 100°C (212°F).

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



3. INSPECT CRANKSHAFT POSITION SENSOR

(a) Inspect the resistance.

- (1) Using an ohmmeter, measure the resistance between the terminals.

Standard:

Tester Connection	Specified Condition
1 (NE+) - 2 (NE-)	985 to 1,600 Ω at cold
1 (NE+) - 2 (NE-)	1,265 to 1,890 Ω at hot

NOTICE:

"Cold" and "Hot" mean temperature of the coils themselves. "Cold" is from -10°C (14°F) to 50°C (122°F) and "Hot" is from 50°C (122°F) to 100°C (212°F).

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