

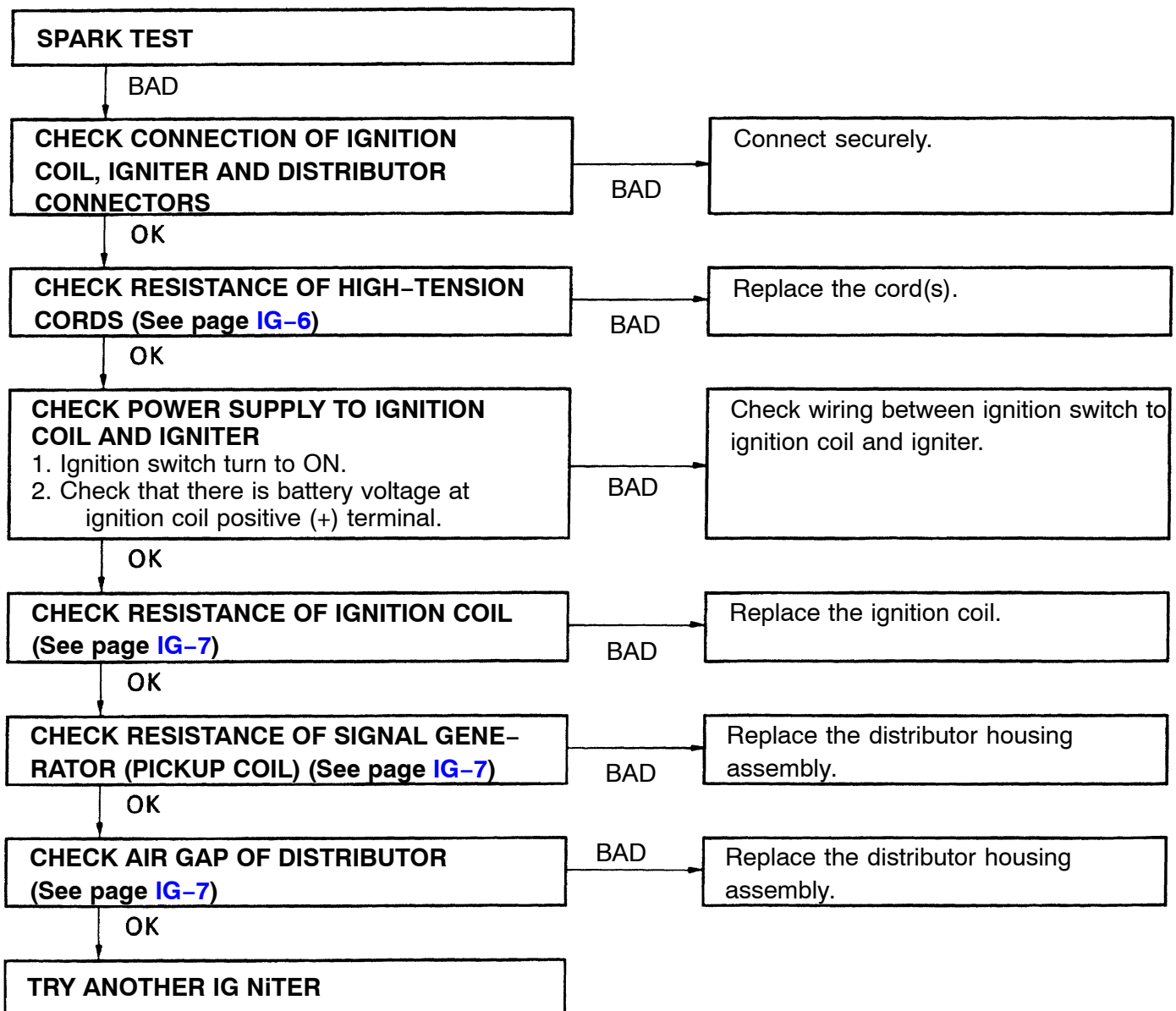
ON-VEHICLE INSPECTION

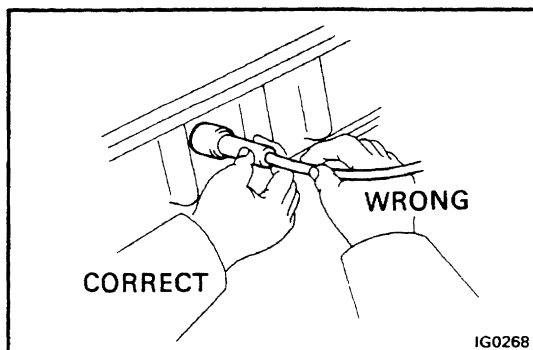
SPARK TEST

CHECK THAT SPARK OCCURS

- (a) Disconnect high-tension cord from distributor.
 - (b) Hold the end approx. 12.5 mm (0.50 in.) from body of vehicle.
 - (c) See if spark occurs while engine is being cranked.
- HINT: To prevent gasoline from being injected from injectors during this test, crank the engine for no more than 1–2 seconds at a time.

If the spark does not occur, perform the test as follows:

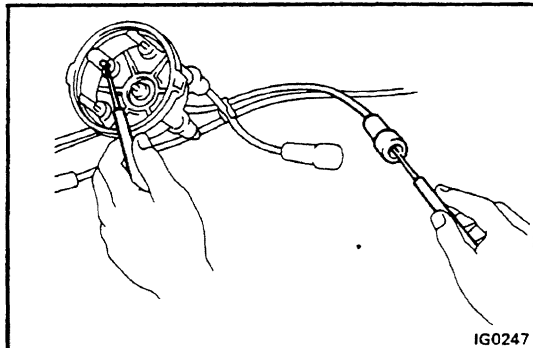




INSPECTION OF HIGH-TENSION CORDS

1. **CAREFULLY REMOVE HIGH-TENSION CORDS BY THEIR RUBBER BOOTS FROM SPARK PLUGS**

NOTICE: Pulling on or bending the cords may damage the conductor inside.

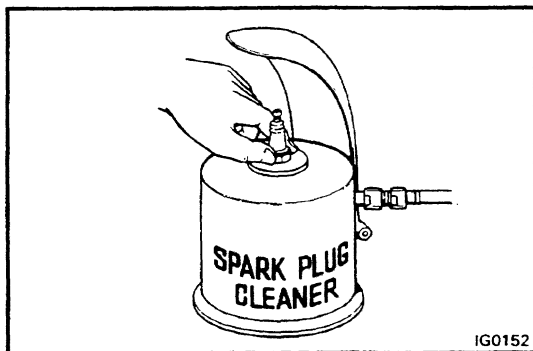


2. **INSPECT HIGH-TENSION CORD RESISTANCE**

Using an ohmmeter, measure the resistance without disconnecting the distributor cap.

Maximum resistance: 25 k Ω per cord

If resistance is greater than maximum, check the terminals. If necessary, replace the high-tension cord and/or distributor cap.

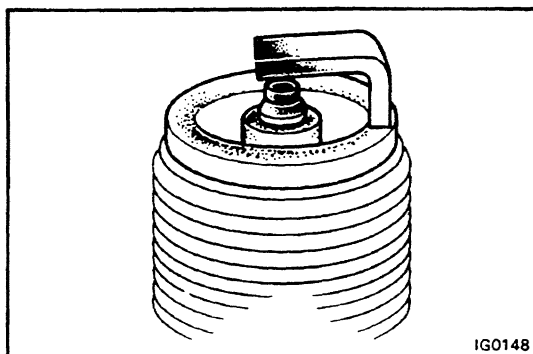


INSPECTION OF SPARK PLUGS

1. **REMOVE SPARK PLUGS**

2. **CLEAN SPARK PLUGS**

Using a spark plug cleaner or wire brush, clean the spark plug.



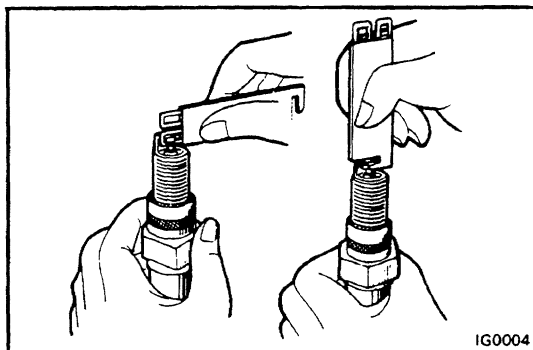
3. **VISUALLY INSPECT SPARK PLUGS**

Check the spark plug for electrode wear, thread damage and insulator damage.

If abnormal, replace the plugs.

Recommended spark plugs: ND W16EXR-U11

NGK BPR5EY 11



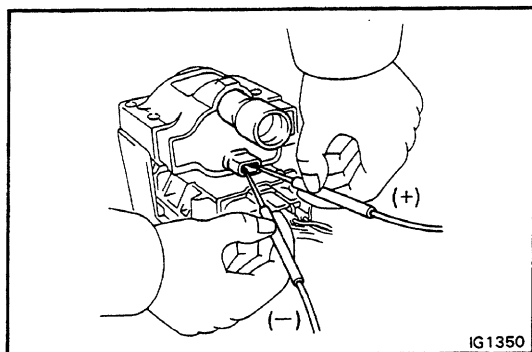
4. **ADJUST ELECTRODE GAP**

Carefully bend the outer electrode to obtain the correct electrode gap.

Correct electrode gap: 1.1 mm (0.043 in.)

5. **INSTALL SPARK PLUGS**

Torque: 180 kg-cm (13 ft-lb, 18 N-m)



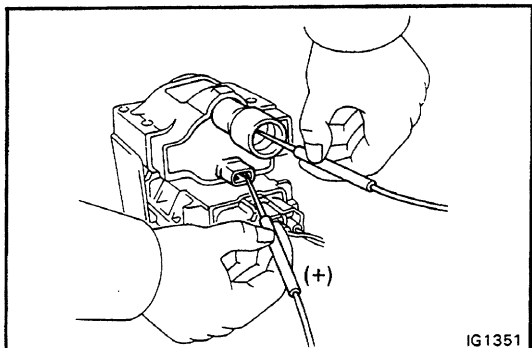
INSPECTION OF IGNITION COIL

1. **DISCONNECT HIGH-TENSION CORD**
2. **INSPECT PRIMARY COIL RESISTANCE**

Using an ohmmeter, measure the resistance between the positive (+) and negative (-) terminals.

Primary coil resistance (cold): 0.41 – 0.50Ω

If the resistance is not as specified, replace the ignition coil.



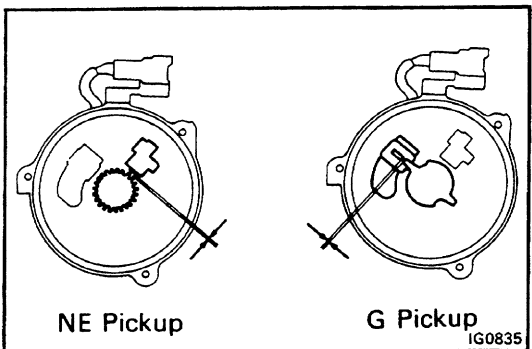
3. **INSPECT SECONDARY COIL RESISTANCE**

Using an ohmmeter, measure the resistance between the positive (+) terminal and high-tension terminal.

Secondary coil resistance (Cold): 10.2 – 13.8 kΩ

If the resistance is not as specified, replace the ignition coil.

4. **RECONNECT HIGH-TENSION CORD**



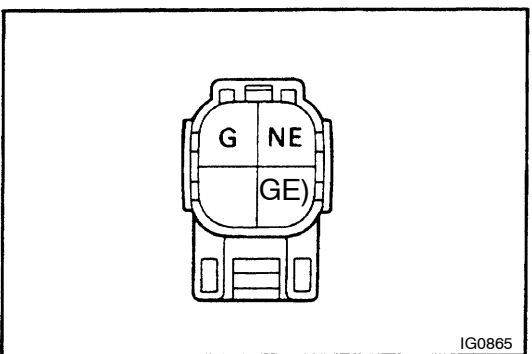
INSPECTION OF DISTRIBUTOR

1. **INSPECT AIR GAPS**

Using a thickness gauge, measure the gap between the signal rotor and pickup coil projection.

Air gap: 0.2 – 0.4 mm (0.008 – 0.016 in.)

If the gap is not as specified, replace the distributor.



2. **INSPECT PICKUP COIL RESISTANCE**

Using an ohmmeter, measure the resistance between the terminals.

G pickup coil resistance (G – G (-)):

140–1800

NE pickup coil resistance (NE – G (-)):

140–1800

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

INSPECTION OF IGNITER

(See procedure Spark Test on page [IG-5](#))