

ON-VEHICLE INSPECTION

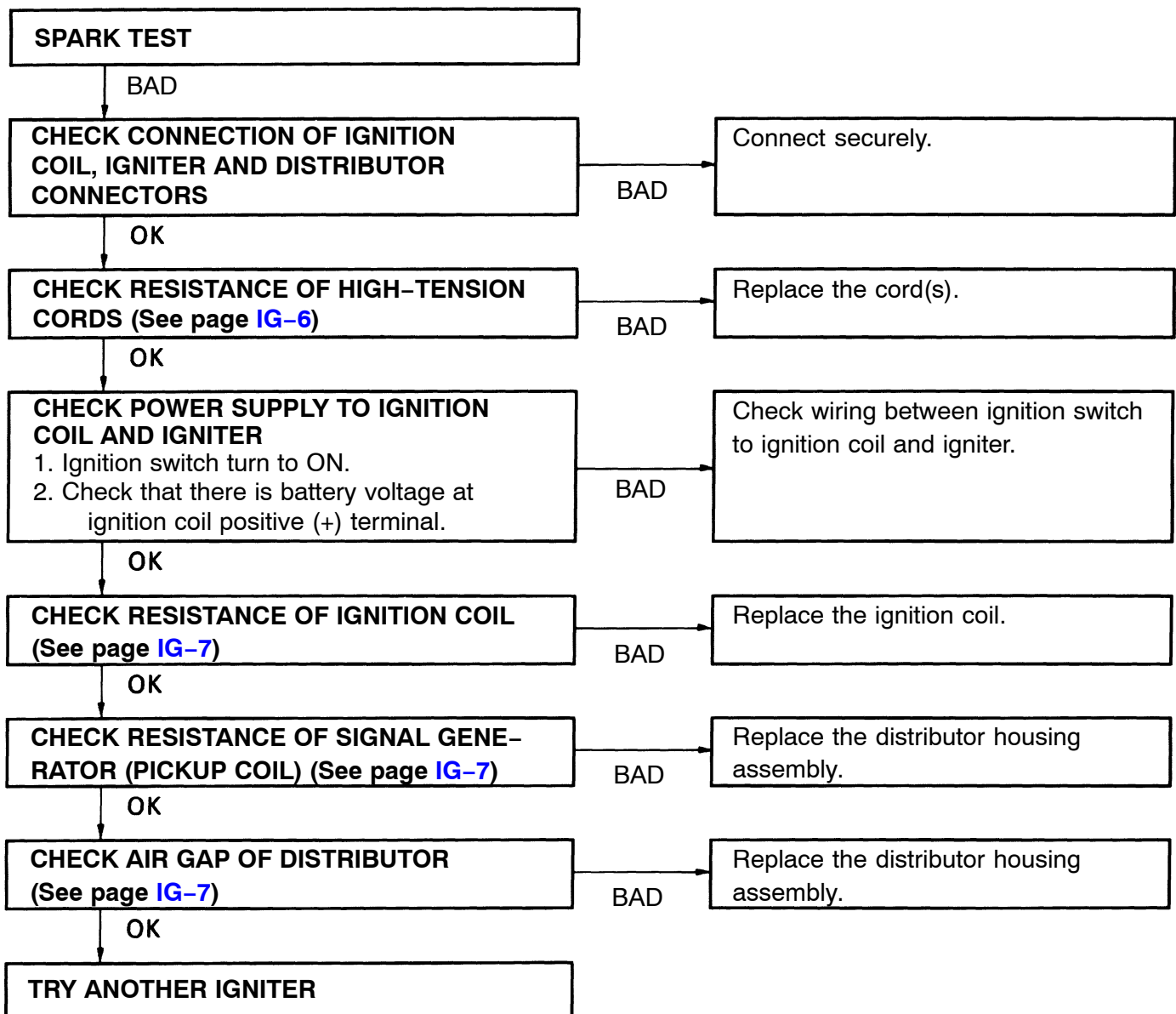
SPARK TEST

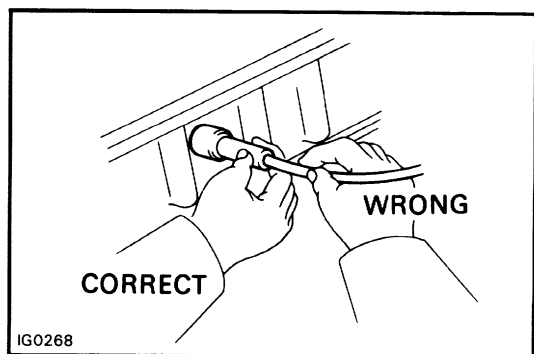
CHECK THAT SPARK OCCURS

- (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 minimize the amount of gasoline injected into the cylinders 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:

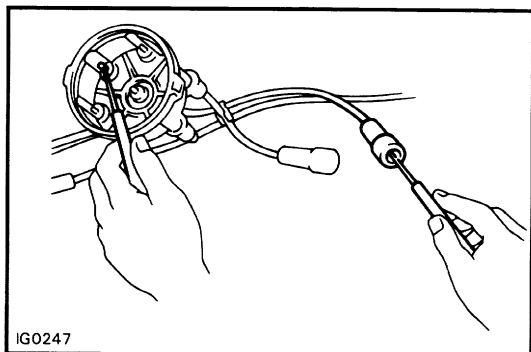




INSPECTION OF HIGH-TENSION CORDS

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.

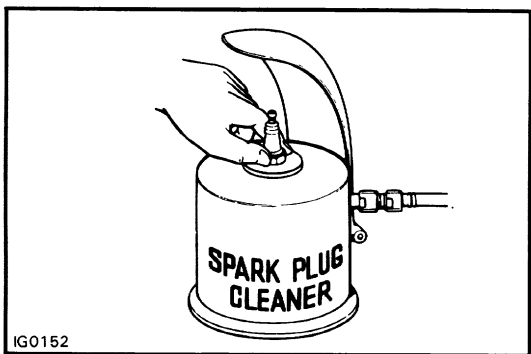


2. INSPECT HIGH-TENSION CORD RESISTANCE

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.

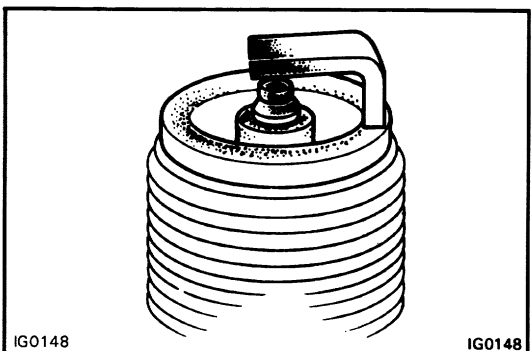


INSPECTION OF SPARK PLUGS

1. REMOVE SPARK PLUGS

2. CLEAN SPARK PLUGS

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

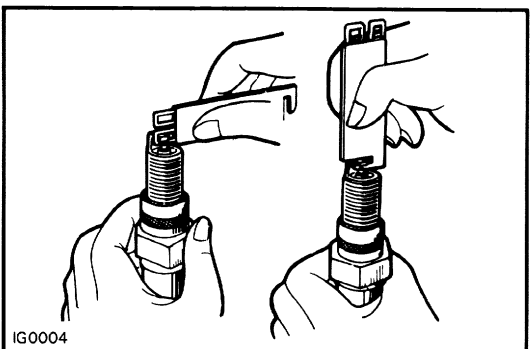


3. VISUALLY INSPECT SPARK PLUGS

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

If abnormal, replace the plugs.

**Recommended spark plugs: ND W16EXR-U11
NGK BPR5EY11**



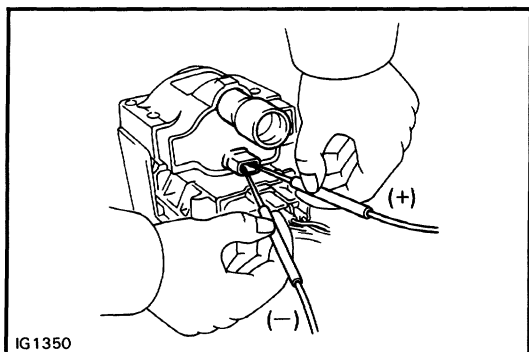
4. ADJUST ELECTRODE GAP

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: 18 N-m (180 kgf-cm, 13 ft-lbf)



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): 0.30 – 0.60 Ω

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

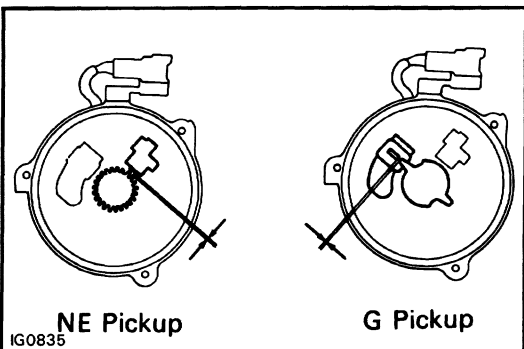
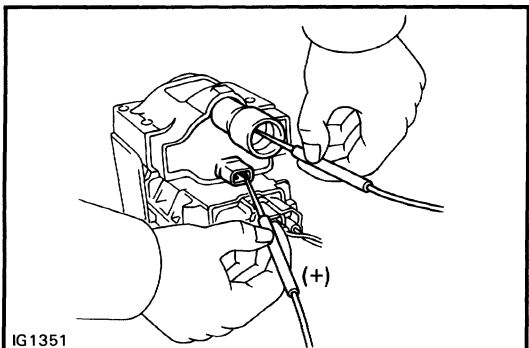
3. INSPECT SECONDARY COIL RESISTANCE

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

Secondary coil resistance (Cold): 9.0 – 15.0 k Ω

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

4. RECONNECT HIGH-TENSION CORD



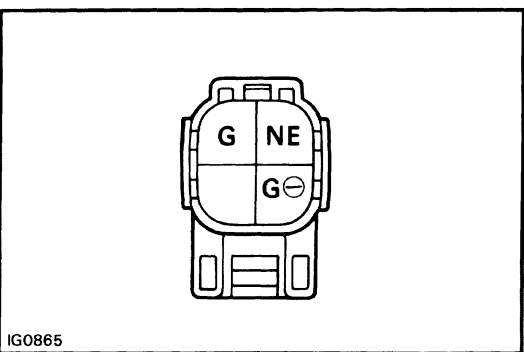
INSPECTION OF DISTRIBUTOR

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 (Cold) (G – G (-)):

185–265 Ω

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

185–265 Ω

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

INSPECTION OF IGNITER

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