

ON-VEHICLE INSPECTION

NOTICE:

In this section, the terms "cold" and "hot" refer to the temperature of the coils. "Cold" means approximately -10°C (14°F) to 50°C (122°F). "Hot" means approximately 50°C (122°F) to 100°C (212°F).

1. INSPECT IGNITION COIL ASSY (WITH IGNITER) AND PERFORM SPARK TEST

(a) Check for DTCs.

NOTICE:

If a DTC is present, perform troubleshooting in accordance with the procedure for that DTC.

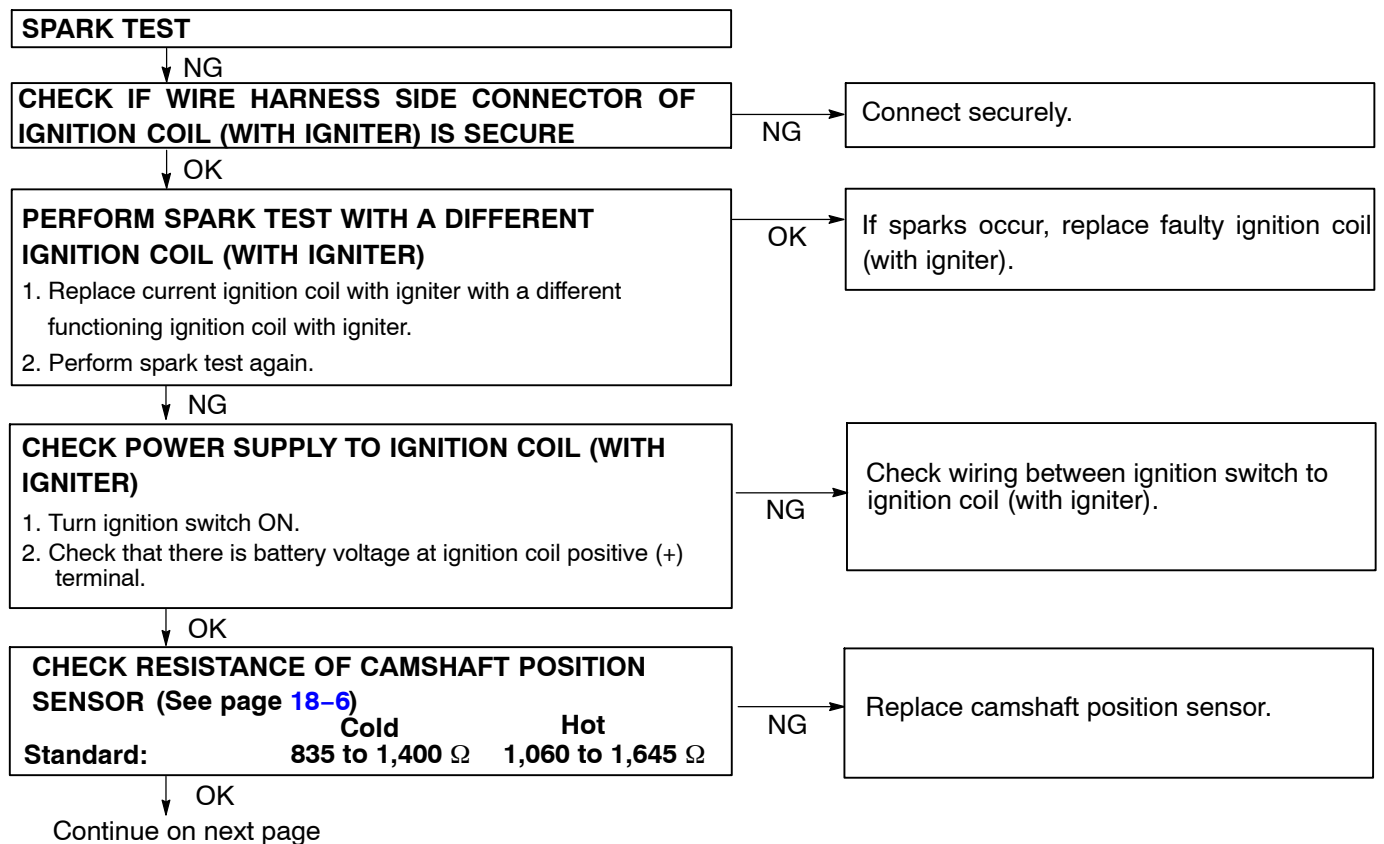
(b) Check if sparks occur.

- (1) Remove the ignition coil (see page 18-9).
- (2) Remove the spark plug.
- (3) Install the spark plug to the ignition coil, and connect the ignition coil connector.
- (4) Disconnect the 8 injector connectors.
- (5) Ground the spark plug.
- (6) Visually check if spark occurs while the engine is being cranked.

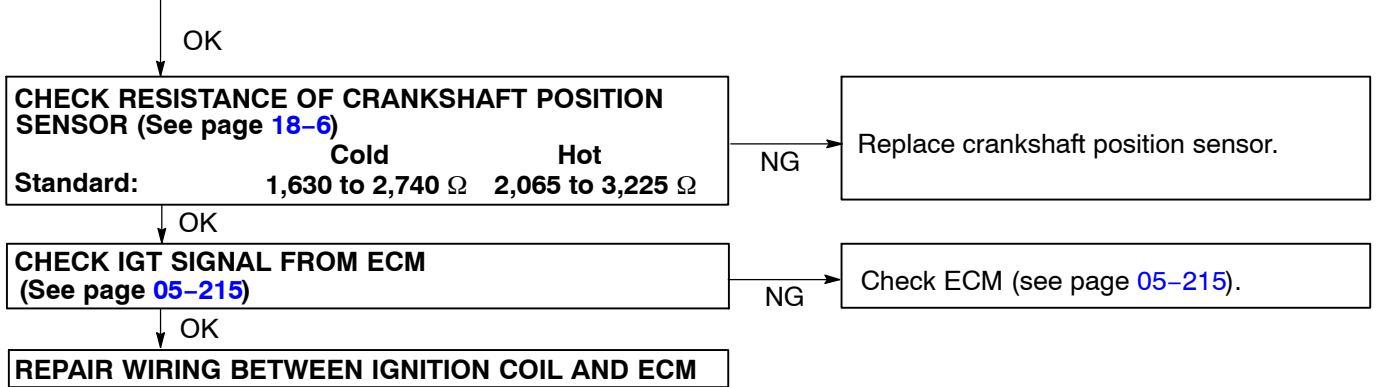
NOTICE:

- Be sure to ground the spark plug when checking.
- Replace the ignition coil if it is given physical impact.
- Do not crank the engine for more than 2 seconds.

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



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(7) Using a 16 mm (0.63 in.) plug wrench, install the spark plugs.

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

(8) Install the ignition coils (see page 18-9).