

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:

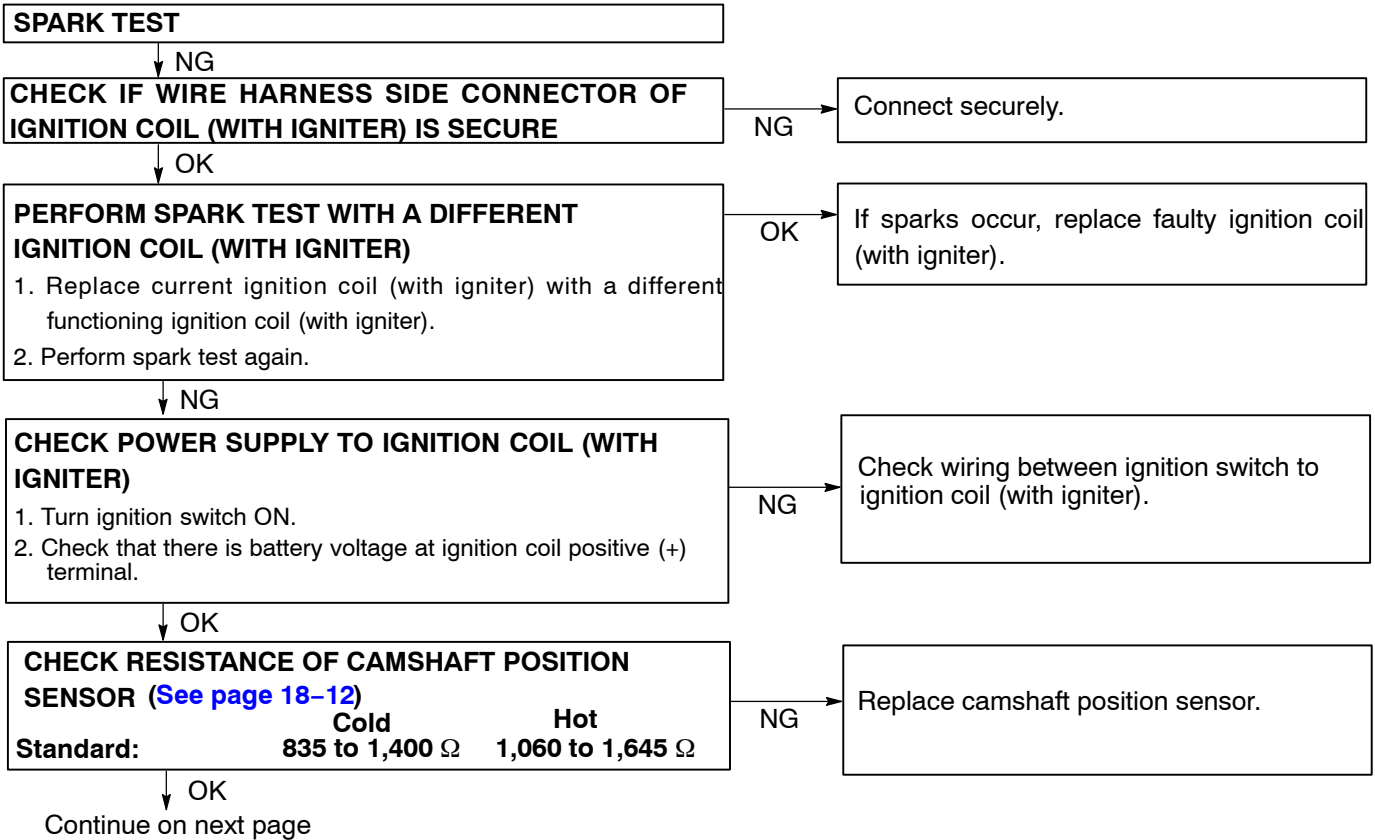
If a DTC is present, perform troubleshooting in accordance with the procedure for that DTC.

- (b) Check if sparks occur.
 - (1) Remove the ignition coil (see page 18-10).
 - (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.

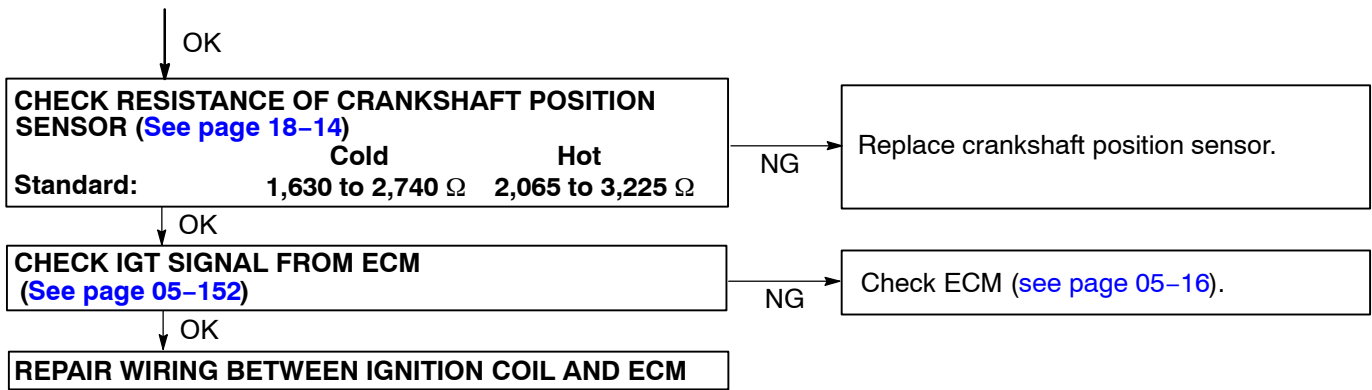
NOTICE:

To prevent the injectors from injecting gasoline during this test, crank the engine for no more than 5 to 10 seconds at a time.

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 18-10).