

IGNITION SYSTEM

ON-VEHICLE INSPECTION

1808L-01

NOTICE:

”Cold” and ”Hot” in this section mean the 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).

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

(a) Check for DTCs.

NOTICE:

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

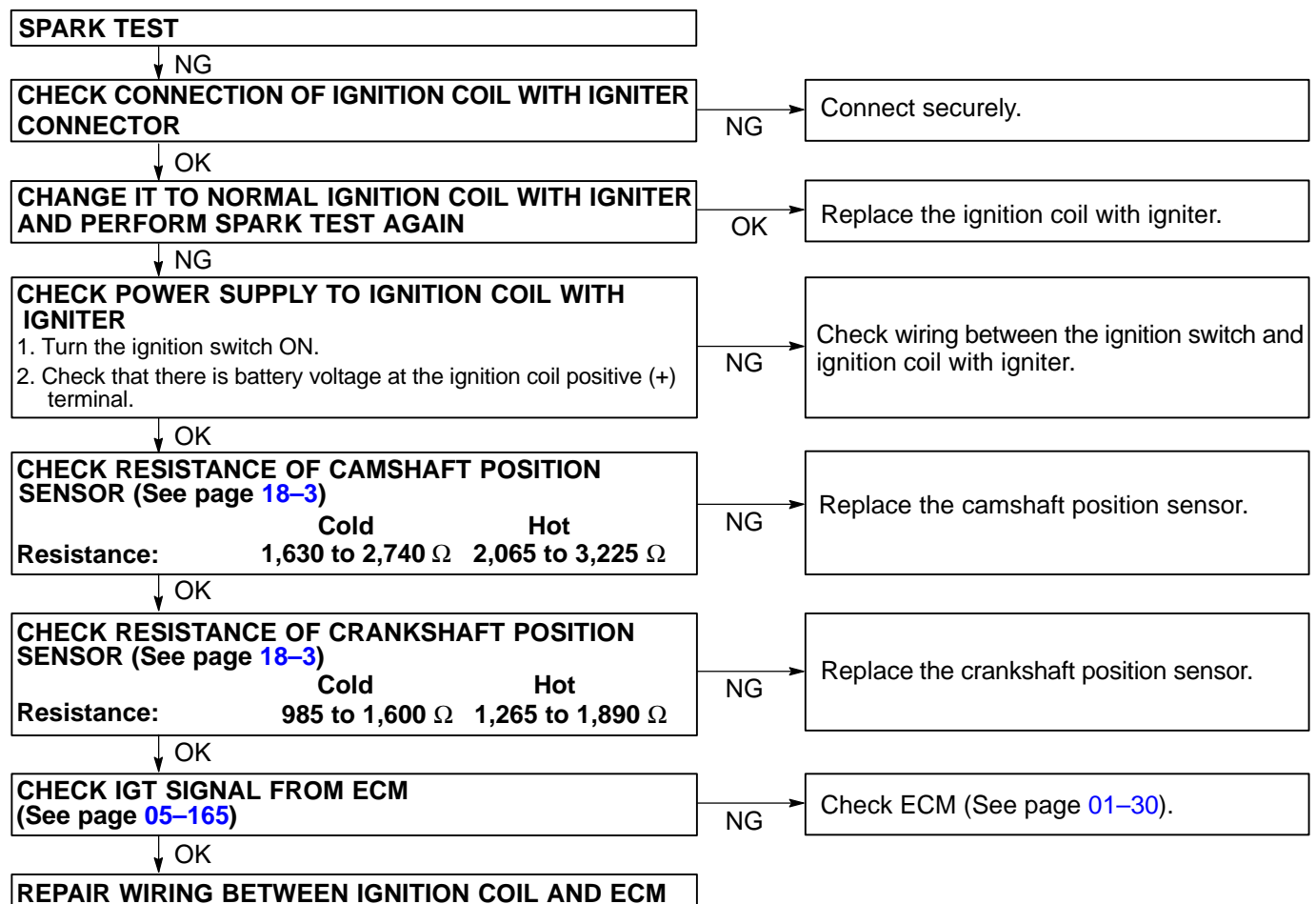
(b) Check that spark occurs.

- (1) Remove the cylinder head cover No. 2. (See page 10-14)
- (2) Remove the ignition coils (with igniter).
- (3) Using a 16mm (0.63 in) plug wrench, remove the spark plugs.
- (4) Install the spark plugs to each ignition coil (with igniter) and connect the ignition coil connectors.
- (5) Disconnect the 4 injector connectors.
- (6) Ground the spark plugs.
- (7) Check if spark occurs while engine is being cranked.

NOTICE:

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

If the spark does not occur, do the test as follows.



- (c) Using a 16 mm (0.63 in.) plug wrench, install the spark plugs.
Torque: 18 N·m (184 kgf·cm, 13 ft·lbf)
- (d) Install the ignition coil with igniter.
Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)
- (e) Install the cylinder head cover No. 2. (See page [10-14](#))