

IGNITION SYSTEM (2AZ-FE)

ON-VEHICLE INSPECTION

18091-05

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 a troubleshooting in accordance with the procedure for that DTC.

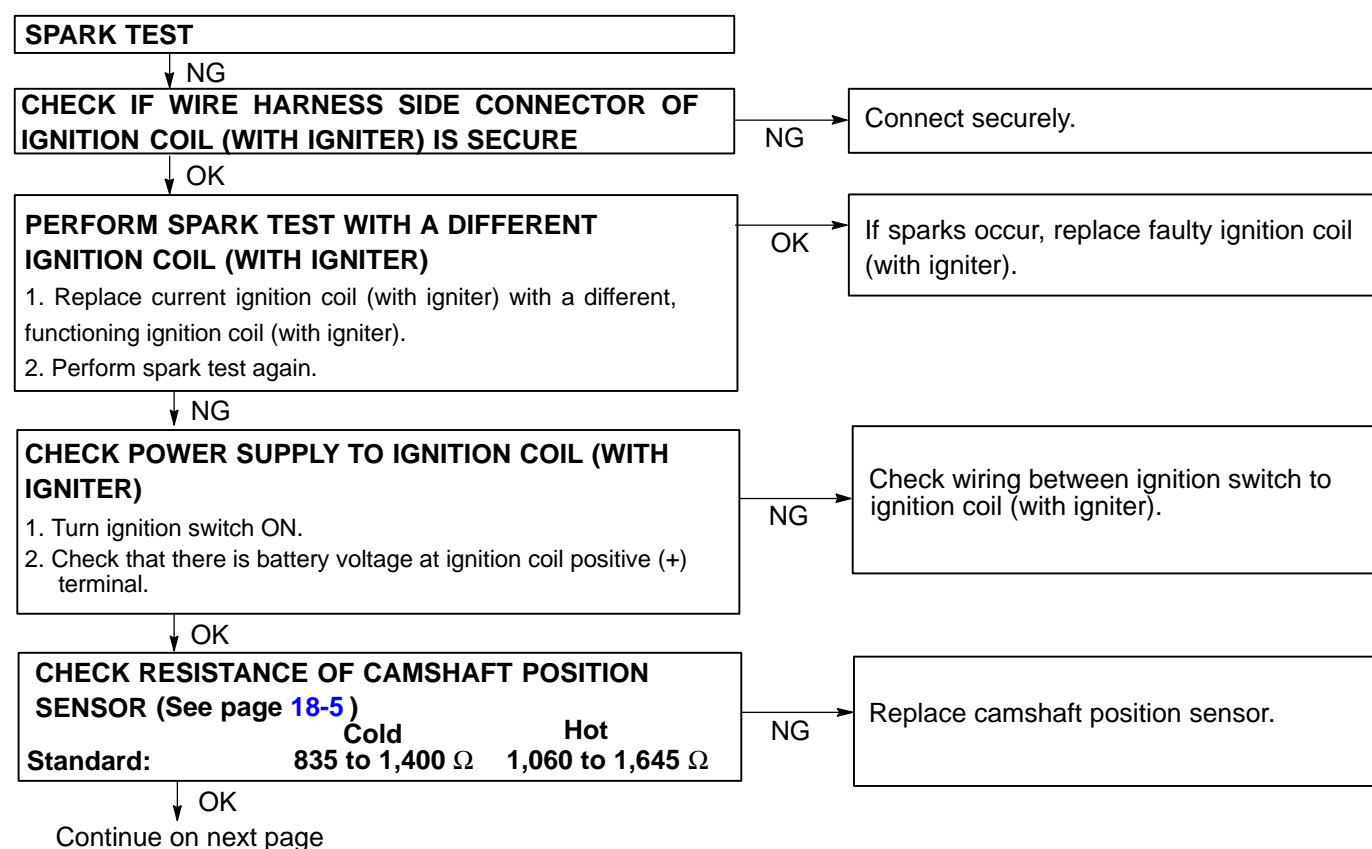
- (b) Check if sparks occur.

- (1) Remove the engine cover No. 1 (see page 14-24).
- (2) Remove the ignition coils.
- (3) Using a 16 mm (0.63 in.) plug wrench, remove the spark plugs.
- (4) Install the spark plugs to each ignition coil and connect the ignition coil connectors.
- (5) Disconnect the 4 injector connectors.
- (6) Ground the spark plugs.
- (7) Check if sparks occur at each spark plug while the engine is being cranked.

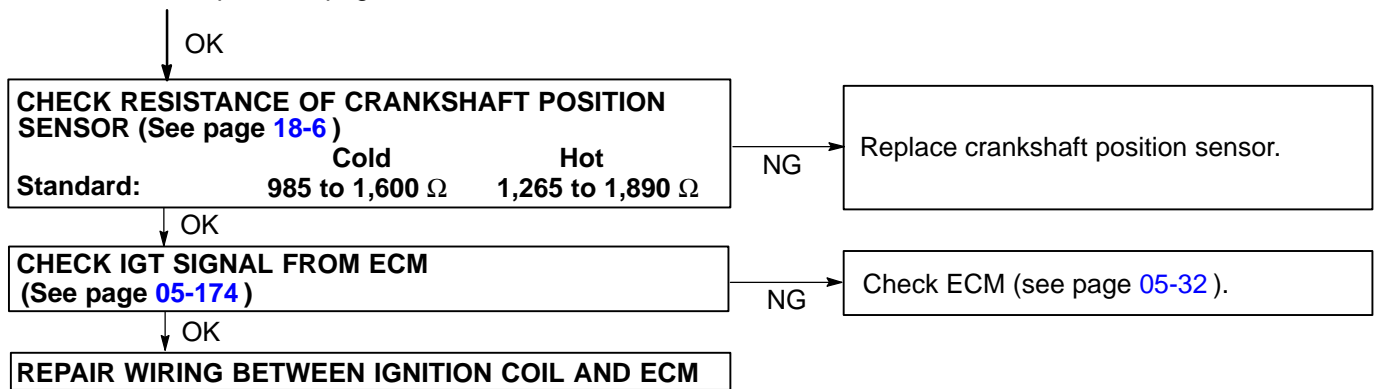
NOTICE:

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

If the sparks do not occur, do the following test:



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

Torque: 19 N·m (194 kgf·cm, 14 ft·lbf)

(9) Install the ignition coils.

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)

(10) Install the engine cover No. 1.

Torque: 9.0 N·m (92 kgf·cm, 80 in·lbf)