

# IGNITION SYSTEM (2UZ-FE)

18057-01

## ON-VEHICLE INSPECTION

**NOTICE:**

"Cold" and "Hot" in these sentences express 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 ASSY AND SPARK TEST**

(a) Confirm DTC.

**NOTICE:**

If DTC is indicated, carry out troubleshooting in accordance with the procedure on the following DTC.

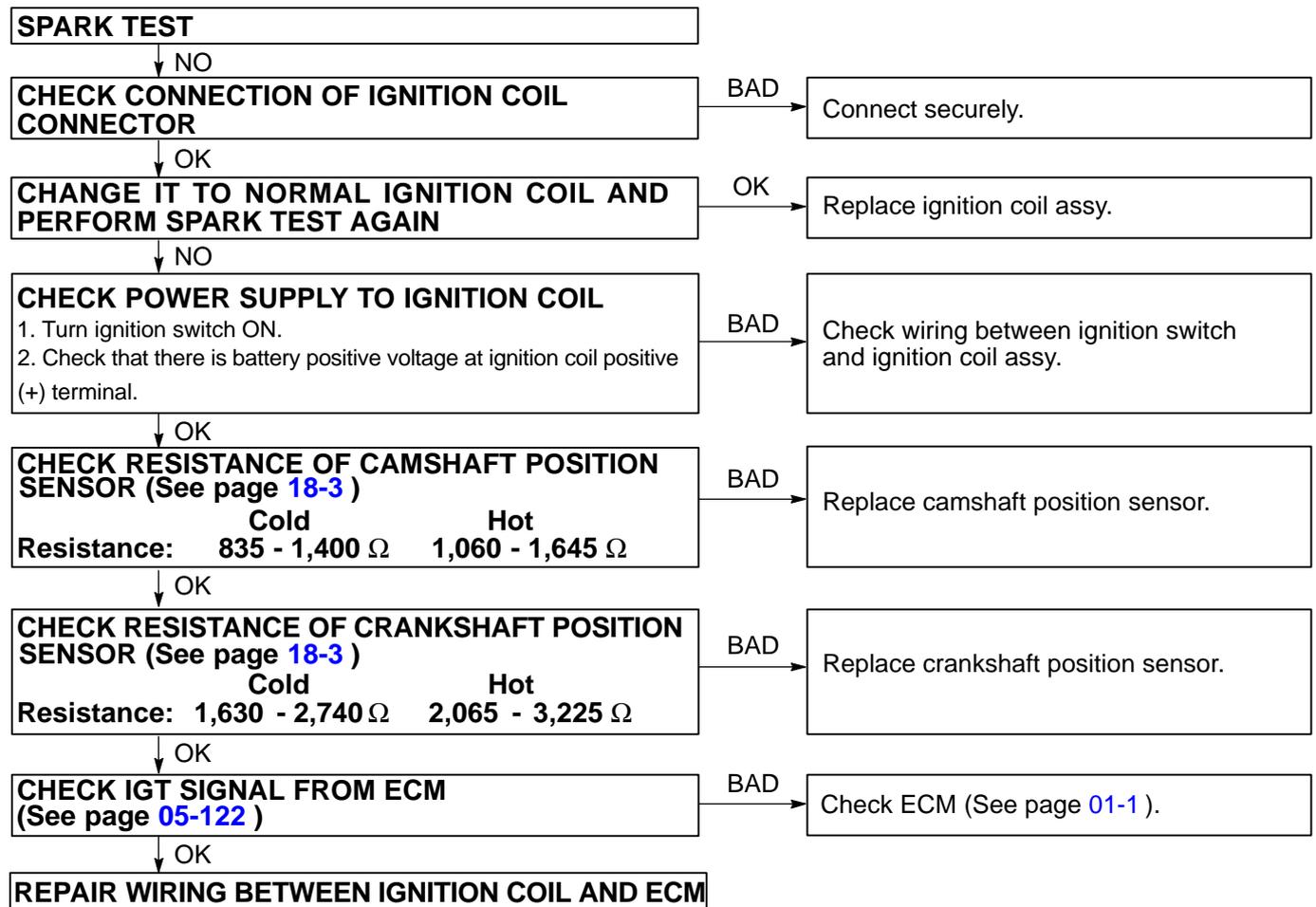
(b) Check that the spark occurs.

- (1) Remove the ignition coils.
- (2) Using a 16mm (0.63 in) plug wrench, remove the spark plugs.
- (3) Install the spark plugs to each ignition coils, and connect the ignition coil connectors.
- (4) Disconnect the 8 injector connectors.
- (5) Ground the spark plugs.
- (6) 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 an impact.
- Do not crank the engine for more than 2 seconds.

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



- (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 coils.  
**Torque: 7.5 N·m (76 kgf·cm, 66 in·lbf)**