

IGNITION SYSTEM

ON-VEHICLE INSPECTION

IG00U-07

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 IGNITOR AND SPARK TEST

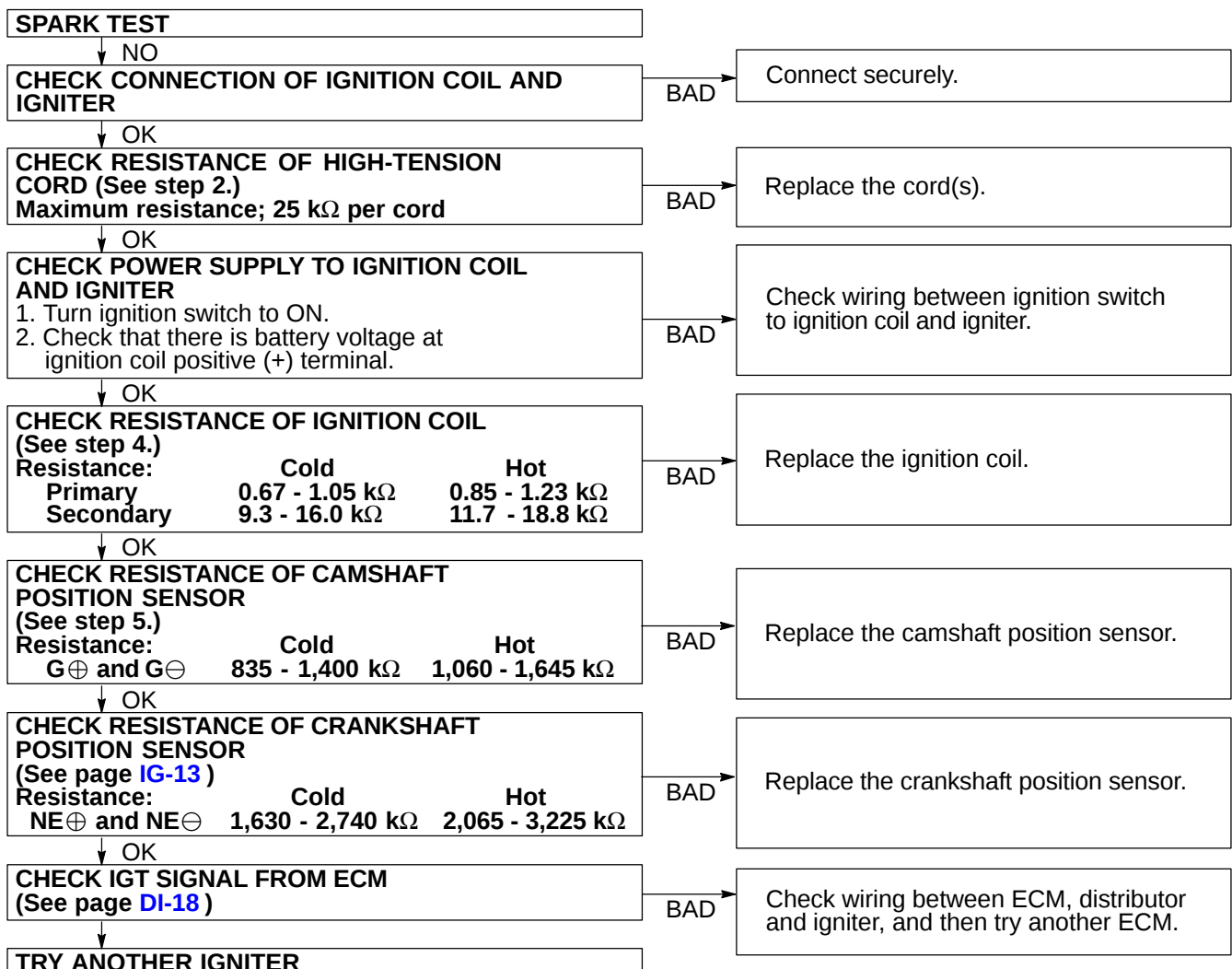
Check that the spark occurs.

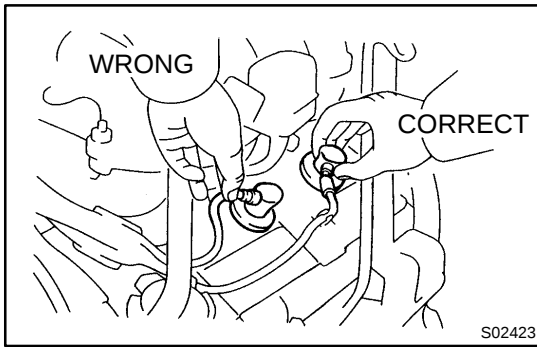
- (1) Disconnect high-tension cords from spark plug.
- (2) Remove the spark plug.
- (3) Install the spark plug to each high-tension cord.
- (4) Ground the spark plug.
- (5) Check if spark occurs while engine is being cranked.

NOTICE:

To prevent excess fuel being injected from the injectors during this test, do not crank the engine for more 5 - 10 seconds at a time.

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



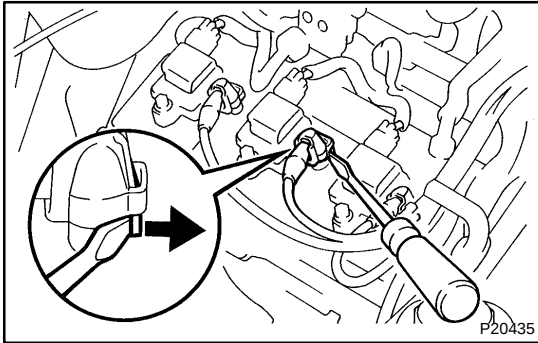


2. INSPECT HIGH-TENSION CORDS

- (a) Remove the air cleaner cap and MAF meter assembly.
- (b) Disconnect the high-tension cords from the spark plugs. Disconnect the high-tension cords at the rubber boot. **DO NOT** pull on the cords.

NOTICE:

Pulling on or bending the cords may damage the conductor inside.

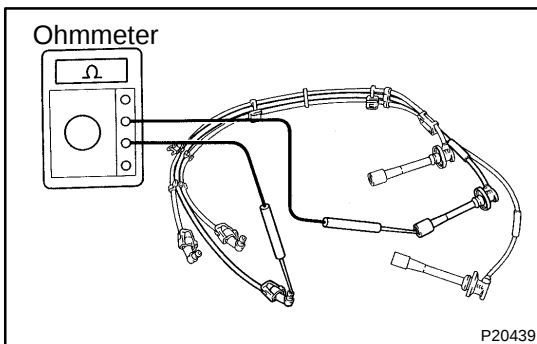


- (c) Disconnect the high-tension cords from the ignition coils.
 - (1) Using a screwdriver, lift up the lock claw and disconnect the holder from the ignition coils.
 - (2) Disconnect the high-tension cord at the grommet.

DO NOT pull on the cord.

NOTICE:

- **Pulling on or bending the cords may damage the conductor inside.**
- **Do not wipe any of the oil from the grommet after the high-tension cord is disconnected.**



- (d) Using an ohmmeter, measure the resistance.

Maximum resistance: 25 kΩ per cord

If the resistance is greater than the maximum, check the terminals. If necessary, replace the high-tension cord.