

## 2. Spark Plug

### A: REMOVAL

#### Spark plug:

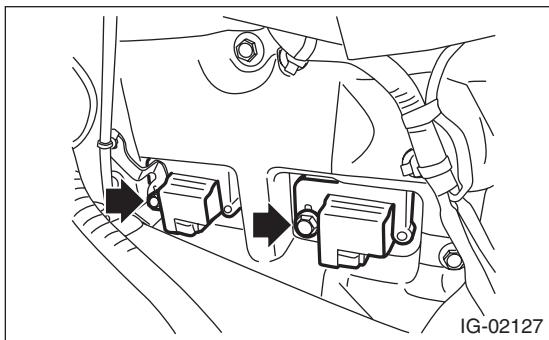
Refer to "SPECIFICATION" for the spark plug. <Ref. to IG(STI)-2, SPECIFICATION, General Description.>

#### 1. RH SIDE

- 1) Disconnect the ground cable from battery.
- 2) Remove the air cleaner case. <Ref. to IN(STI)-9, REMOVAL, Air Cleaner Case.>
- 3) Disconnect the connector from ignition coil.
- 4) Remove the ignition coil.

NOTE:

Turn #3 ignition coil by 180° to remove it.

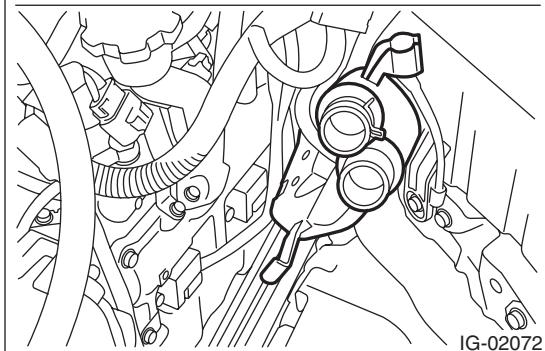
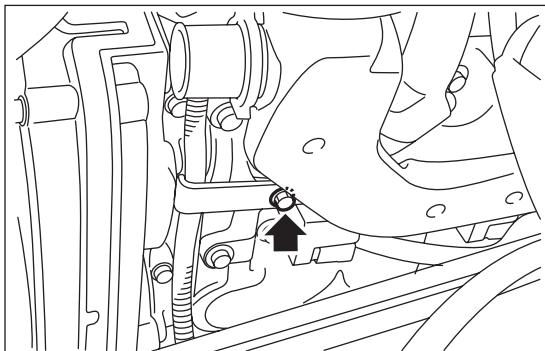


- 5) Remove the spark plug with a spark plug socket.

#### 2. LH SIDE

- 1) Remove the battery. <Ref. to SC(STI)-21, REMOVAL, Battery.>
- 2) Remove the secondary air pump. <Ref. to EC(STI)-53, REMOVAL, Secondary Air Pump.>

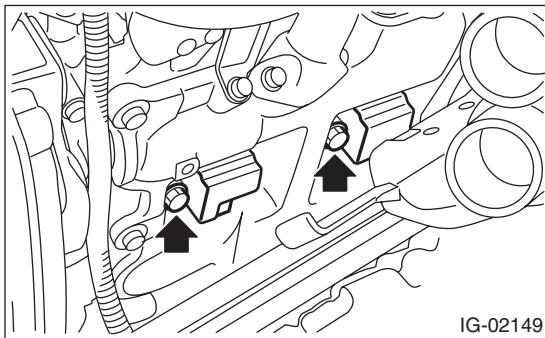
- 3) Remove the bolts that secure the air duct to the rocker cover LH, and lift the air duct.



- 4) Disconnect the connector from ignition coil.
- 5) Remove the ignition coil.

NOTE:

Turn #4 ignition coil by 180° to remove it.



- 6) Remove the spark plug with a spark plug socket.

## B: INSTALLATION

### 1. RH SIDE

Install in the reverse order of removal.

**Tightening torque (Spark plug):**

21 N·m (2.1 kgf-m, 15.5 ft-lb)

**Tightening torque (Ignition coil):**

16 N·m (1.6 kgf-m, 11.8 ft-lb)

### 2. LH SIDE

Install in the reverse order of removal.

**Tightening torque (Spark plug):**

21 N·m (2.1 kgf-m, 15.5 ft-lb)

**Tightening torque (Ignition coil):**

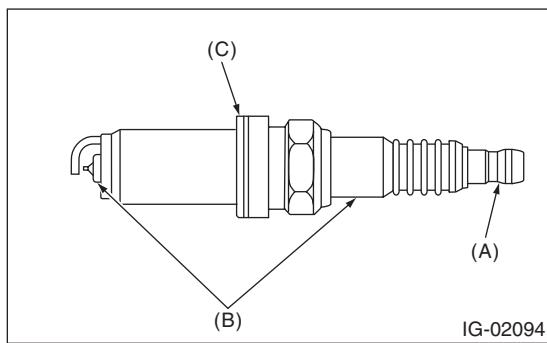
16 N·m (1.6 kgf-m, 11.8 ft-lb)

**Tightening torque (Air duct):**

6.4 N·m (0.7 kgf-m, 4.7 ft-lb)

## C: INSPECTION

1) Check the spark plug for abnormalities. If defective, replace the spark plug.

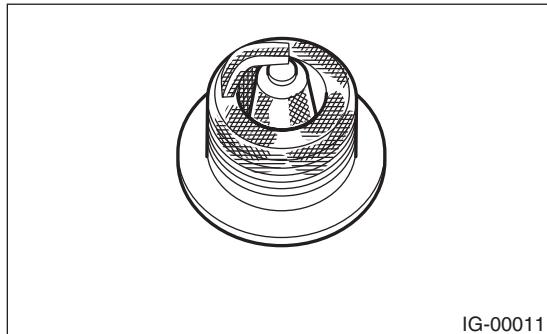


- (A) Terminal damage
- (B) Crack or damage in insulator
- (C) Damaged gasket

2) Check the spark plug electrode and condition of the insulator. If abnormal, check and repair the cause and replace the spark plug.

(1) Normal:

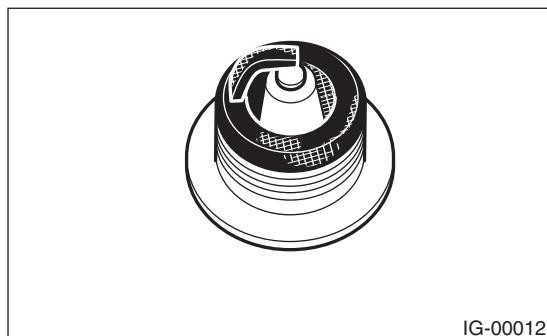
Brown to grayish-tan deposits and slight electrode wear indicate correct spark plug heat range.



IG-00011

(2) Carbon fouled:

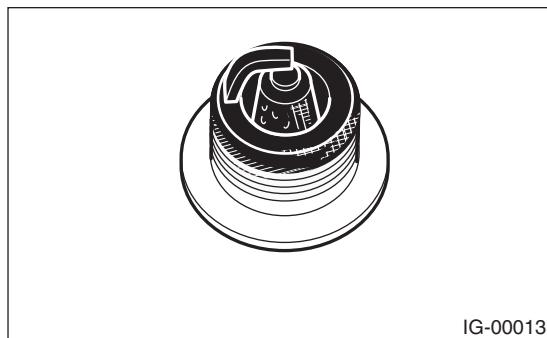
Dry fluffy carbon deposits on insulator and electrode are mostly caused by slow speed driving in the city, weak ignition, too rich fuel mixture, etc.



IG-00012

(3) Oil fouled:

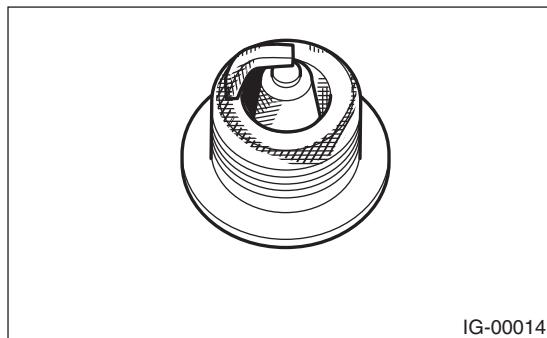
Wet black deposits show oil entrance into combustion chamber through worn piston rings or increased clearance between valve guides and valve stems.



IG-00013

(4) Overheating:

A white or light gray insulator with black or brown spots and bluish burnt electrodes indicate engine overheating, wrong selection of fuel, or loose spark plugs.



IG-00014

## Spark Plug

### IGNITION

3) Using a nylon brush, etc., clean and remove the carbon or oxide deposits from the spark plug. If deposits are too stubborn, replace the spark plugs. After cleaning the spark plugs, check the spark plug gap "L" using a gap gauge. If it is not within the standard, replace the spark plug.

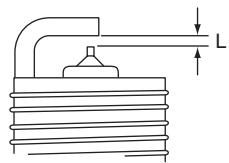
NOTE:

- Never use a plug cleaner.
- Do not use a metal brush as it may damage the electrode area.

#### ***Spark plug gap L:***

##### ***Standard***

***0.7 — 0.8 mm (0.028 — 0.031 in)***



IG-02095