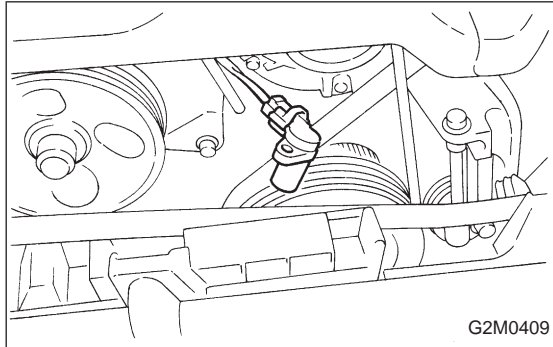


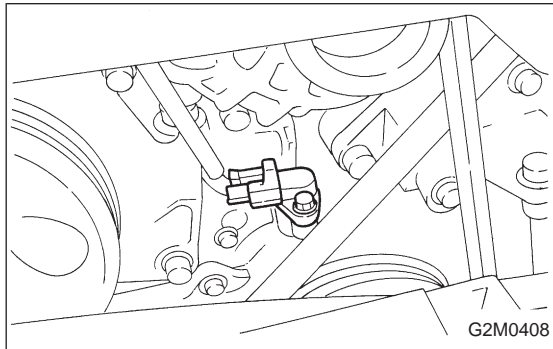
## 6. Crankshaft Position Sensor

### A: REMOVAL AND INSTALLATION

1) Remove bolt which install crankshaft position sensor to cylinder block.



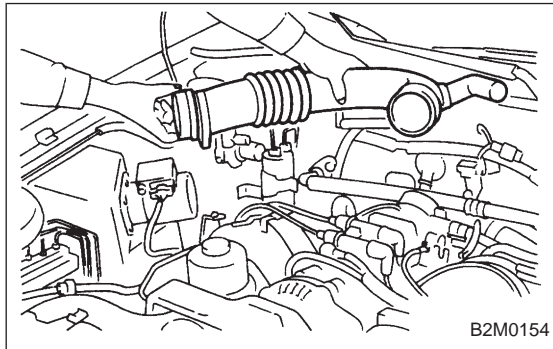
2) Remove crankshaft position sensor, and disconnect connector from it.



3) Installation is in the reverse order of removal.

#### **Tightening torque:**

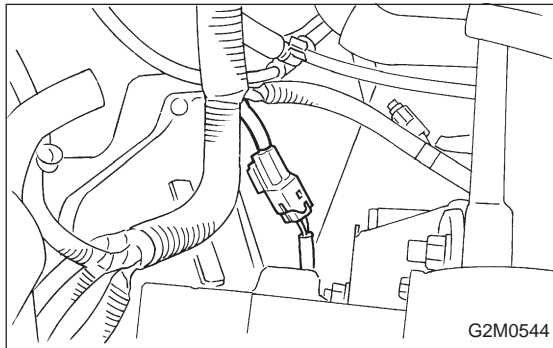
**$6.4 \pm 0.5 \text{ N}\cdot\text{m}$  ( $0.65 \pm 0.05 \text{ kg}\cdot\text{m}$ ,  $4.7 \pm 0.4 \text{ ft}\cdot\text{lb}$ )**



## 7. Front Oxygen Sensor

### A: REMOVAL

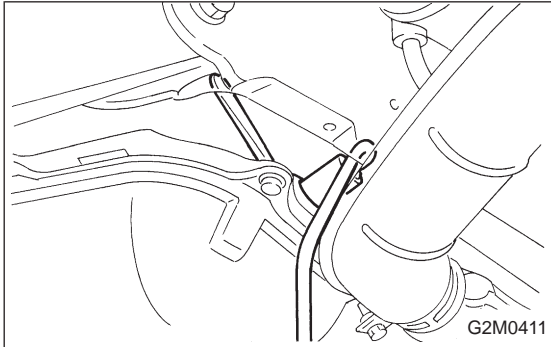
1) Remove air intake duct.



2) Disconnect connector from front oxygen sensor.

- 3) Lift-up the vehicle.
- 4) Apply SUBARU CRC or its equivalent to threaded portion of front oxygen sensor, and leave it for one minute or more.

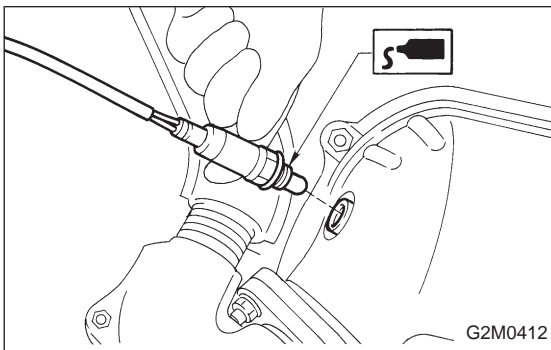
***SUBARU CRC (Part No. 004301003)***



- 5) Remove front oxygen sensor.

**CAUTION:**

**When removing oxygen sensor, do not force oxygen sensor especially when exhaust pipe is cold, otherwise it will damage exhaust pipe.**



**B: INSTALLATION**

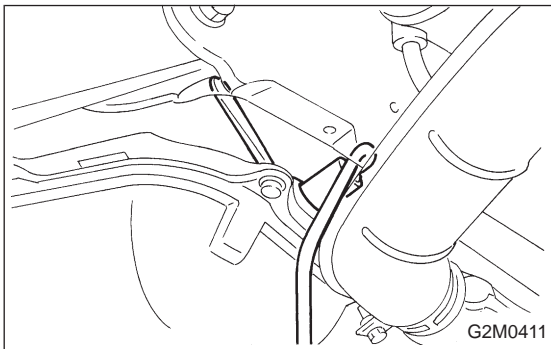
- 1) Before installing front oxygen sensor, apply anti-seize compound only to threaded portion of front oxygen sensor to make the next removal easier.

***Anti-seize compound:***

***SS-30 by JET LUBE***

**CAUTION:**

**Never apply anti-seize compound to protector of front oxygen sensor.**



- 2) Install front oxygen sensor.

***Tightening torque:***

***21±3 N·m (2.1±0.3 kg·m, 15.2±2.2 ft·lb)***

- 3) Lower the vehicle.
- 4) Connect connector of front oxygen sensor.
- 5) Install air intake duct.