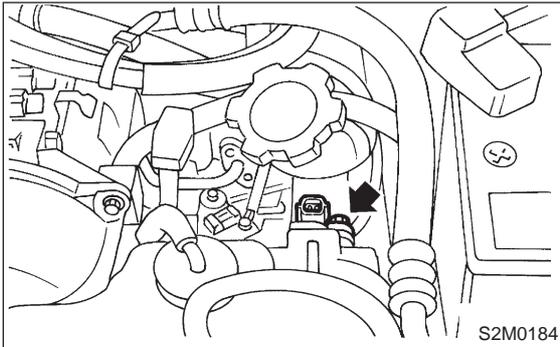


4) Installation is in the reverse order of removal.

Tightening torque:

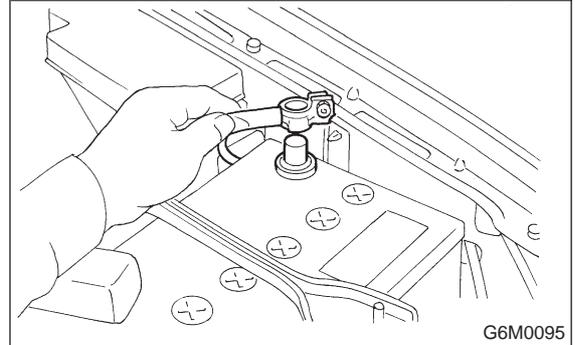
$6.4 \pm 0.5 \text{ N}\cdot\text{m}$ ($0.65 \pm 0.05 \text{ kg}\cdot\text{m}$, $4.7 \pm 0.4 \text{ ft}\cdot\text{lb}$)



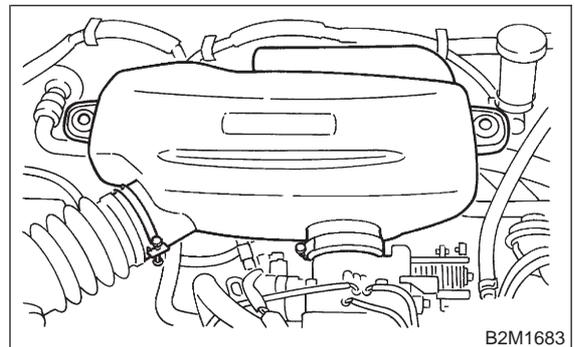
8. Knock Sensor

A: REMOVAL

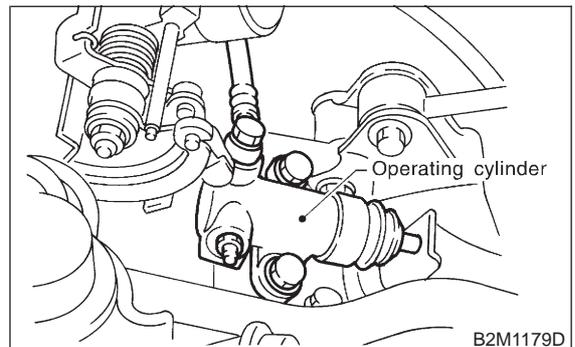
1) Disconnect battery ground cable from battery ground terminal.



2) Remove air intake chamber.
<Ref. to 2-7 [W19A0].>

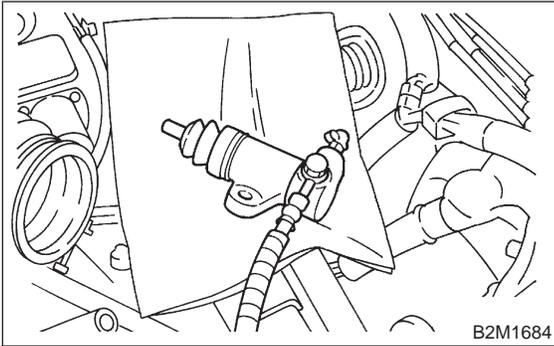


3) Remove operating cylinder. (MT vehicles only)

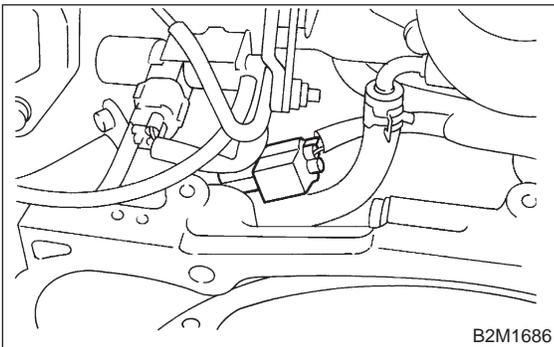


NOTE:

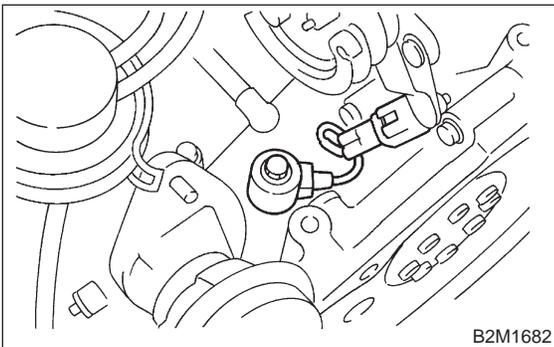
Place the operating cylinder where it will not interfere with the work in process.



- 4) Disconnect knock sensor connector.



- 5) Remove knock sensor from cylinder block.



B: INSTALLATION

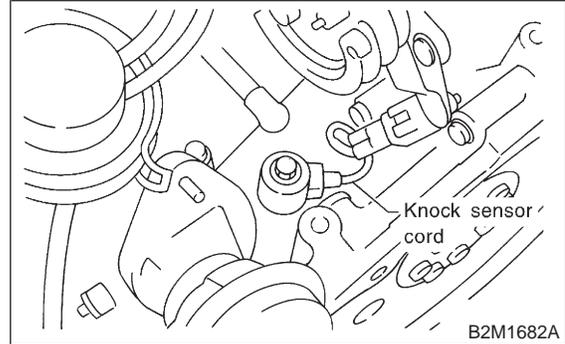
- 1) Install knock sensor to cylinder block.

Tightening torque:

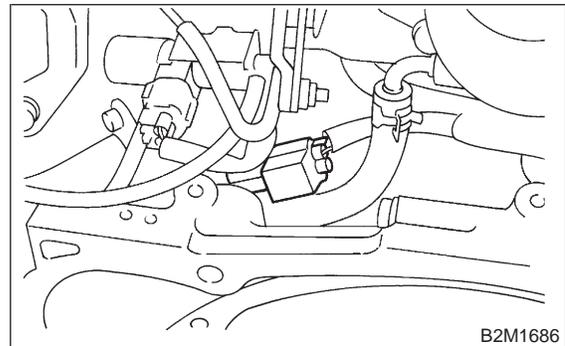
23.5 ± 2.9 N·m (2.4 ± 0.3 kg·m, 17.3 ± 2.1 ft·lb)

NOTE:

The extraction area of the knock sensor cord must be positioned at a 45° angle relative to the engine rear.



- 2) Connect knock sensor connector.



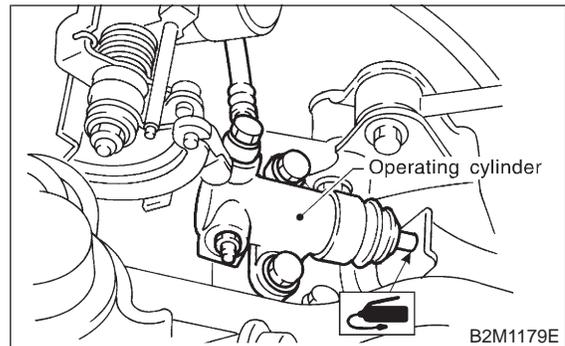
- 3) Install operating cylinder. (MT vehicles only)

Tightening torque:

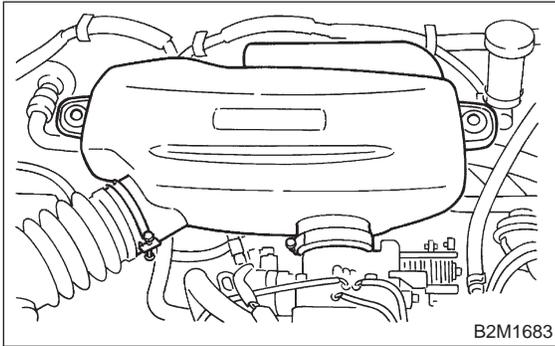
37 ± 3 N·m (3.8 ± 0.3 kg·m, 27.3 ± 2.2 ft·lb)

NOTE:

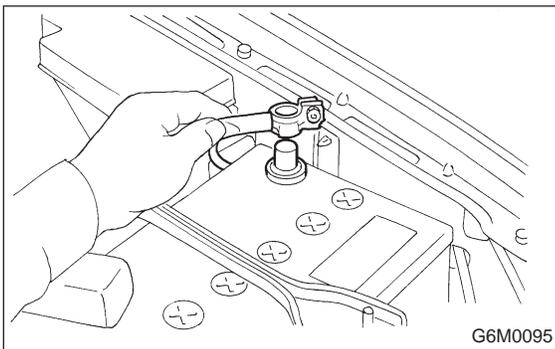
Apply grease to contact point of release lever and operating cylinder rod. <Ref. to 2-10 [W5A0].>



4) Install air intake chamber. <Ref. to 2-7 [W19A0].>



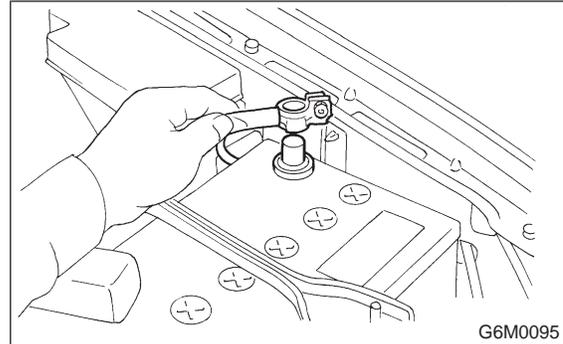
5) Connect battery ground cable to battery ground terminal.



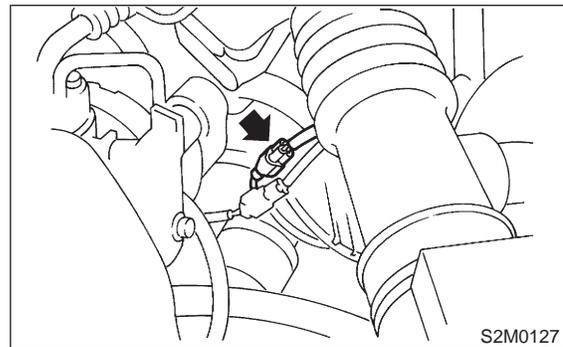
9. Front Oxygen Sensor

A: REMOVAL

1) Disconnect battery ground cable.



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.

