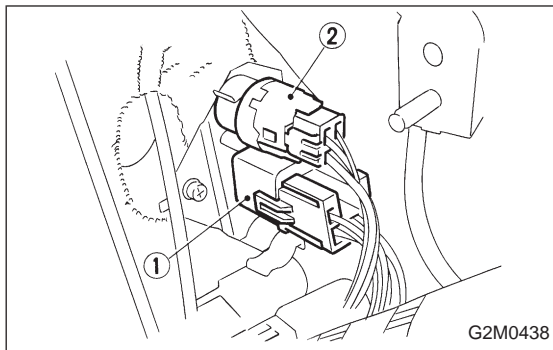
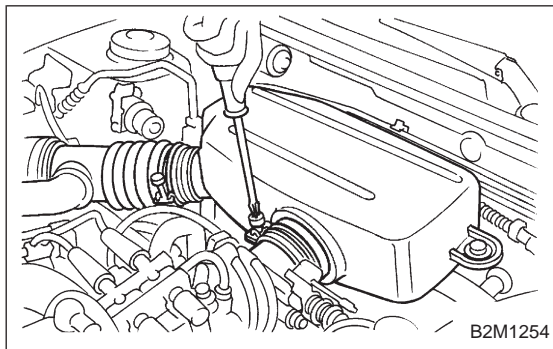


## 17. Fuel Pump Relay - 19. Knock Sensor



10) Installation is in the reverse order of removal.

- ① Main relay
- ② Fuel pump relay



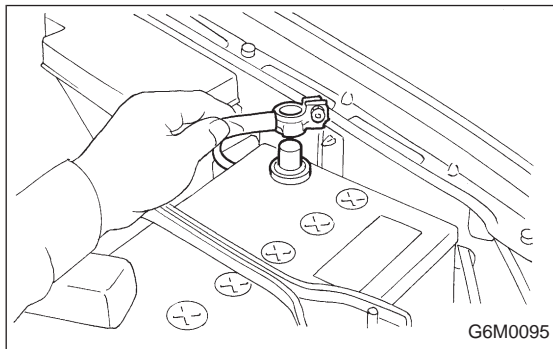
## 18. Air Intake Chamber

### A: REMOVAL AND INSTALLATION

- 1) Loosen clamps which connect air intake chamber to throttle body and air intake duct.
- 2) Disconnect air hoses from air intake chamber.
- 3) Remove bolts which secure air intake chamber to stays.
- 4) Remove air intake chamber.
- 5) Installation is in the reverse order of removal.

#### Tightening torque:

**$4.9 \pm 0.5 \text{ N}\cdot\text{m}$  ( $0.5 \pm 0.05 \text{ kg}\cdot\text{m}$ ,  $3.6 \pm 0.4 \text{ ft}\cdot\text{lb}$ )**

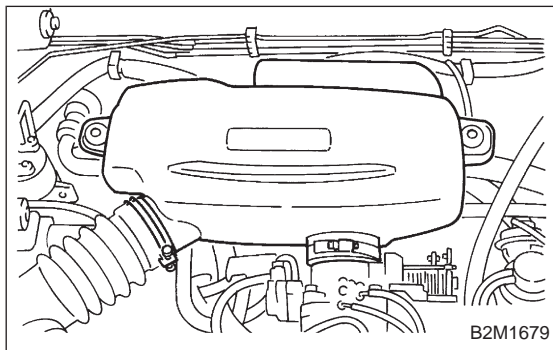


## 19. Knock Sensor

### A: REMOVAL

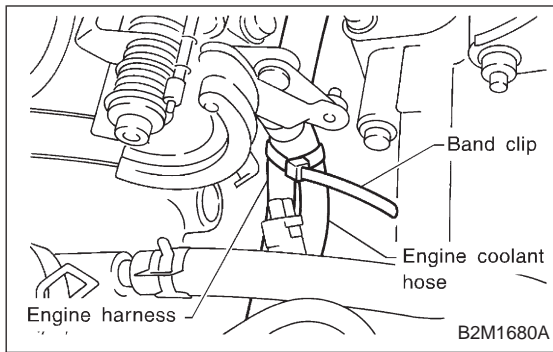
#### 1. 2200 cc MODEL

- 1) Disconnect battery ground cable from battery ground terminal.

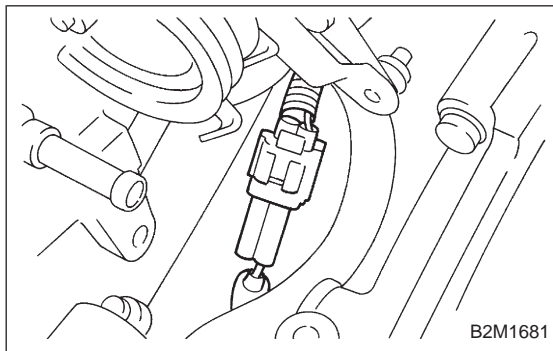


- 2) Remove air intake chamber.

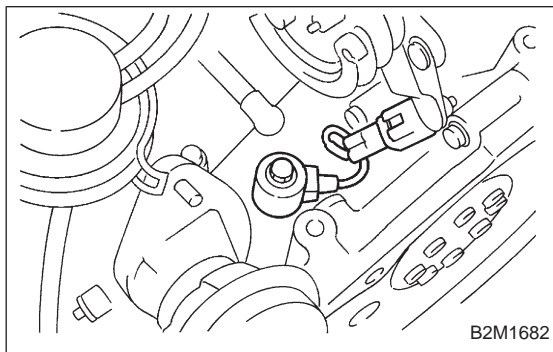
<Ref. to 2-7 [W18A0].>



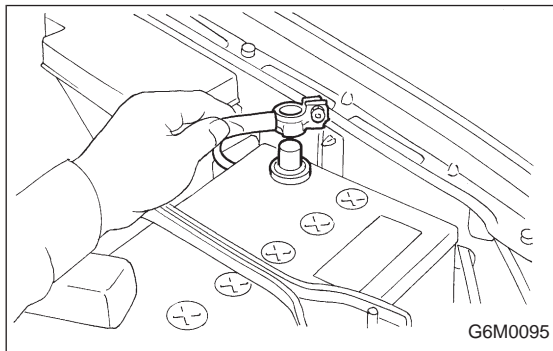
3) Remove band clip which fastens engine harness to engine coolant hose.



4) Disconnect knock sensor connector.

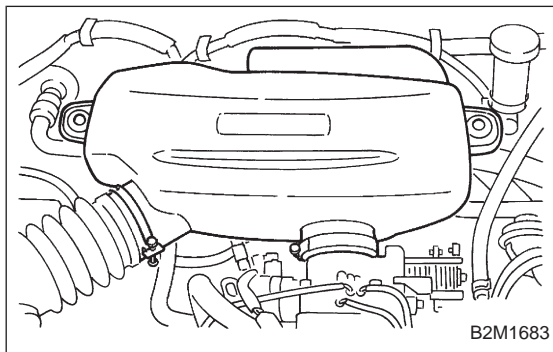


5) Remove knock sensor from cylinder block.

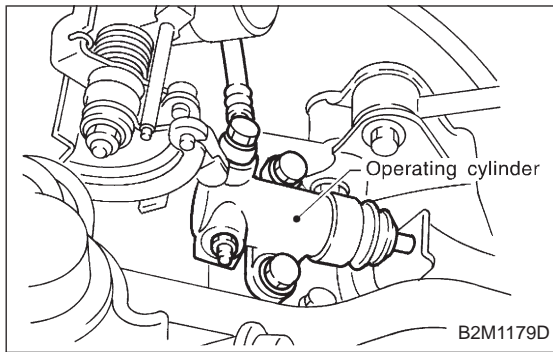


**2. 2500 cc MODEL**

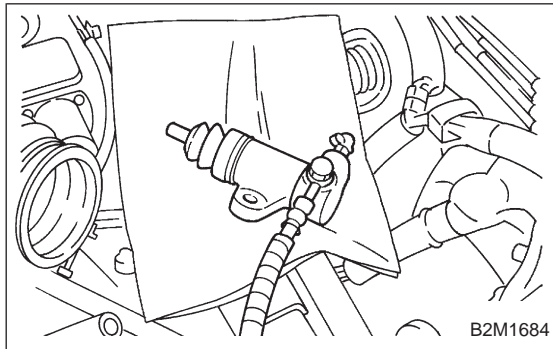
1) Disconnect battery ground cable from battery ground terminal.



2) Remove air intake chamber.  
<Ref. to 2-7 [W18A0].>

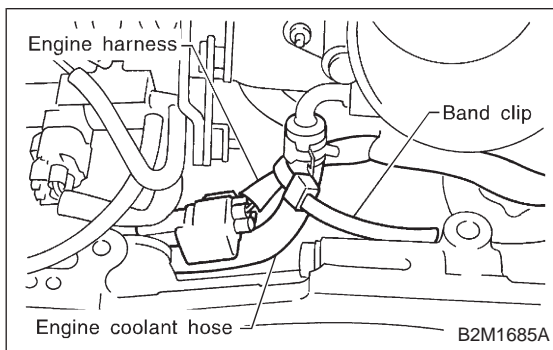


3) Remove operating cylinder. (MT vehicle only)

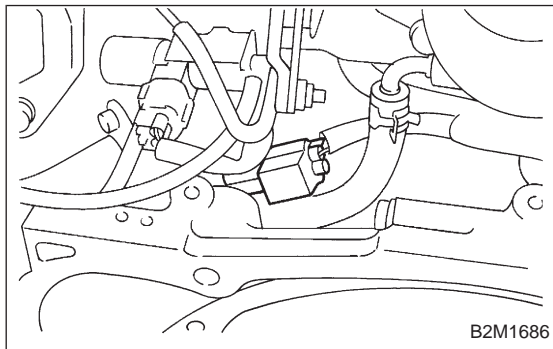


**NOTE:**

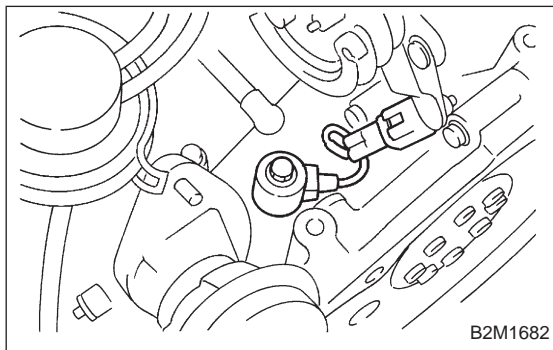
Place the operating cylinder where it will not interfere with the work in process.



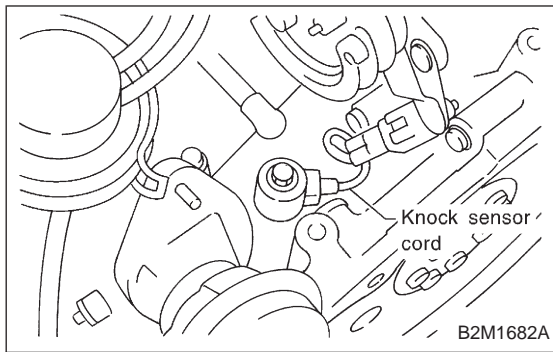
4) Remove band clip which fastens engine harness to engine coolant hose.



5) Disconnect knock sensor connector.



6) Remove knock sensor from cylinder block.



**B: INSTALLATION**

**1. 2200 cc MODEL**

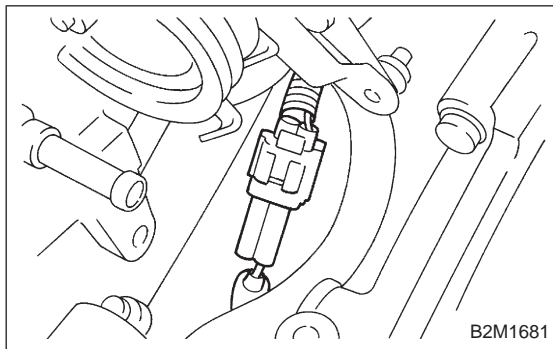
1) Install knock sensor to cylinder block.

**Tightening torque:**

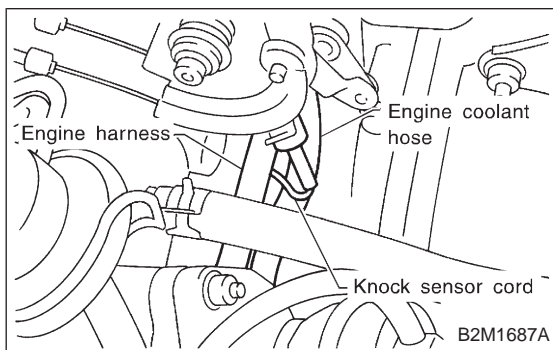
***23.5±2.9 N·m (2.4±0.3 kg-m, 17.3±2.1 ft-lb)***

**NOTE:**

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

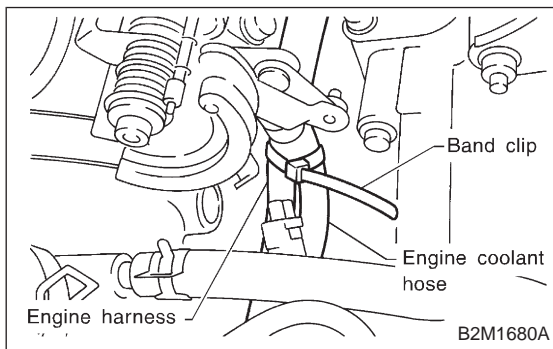


2) Connect knock sensor connector.



**NOTE:**

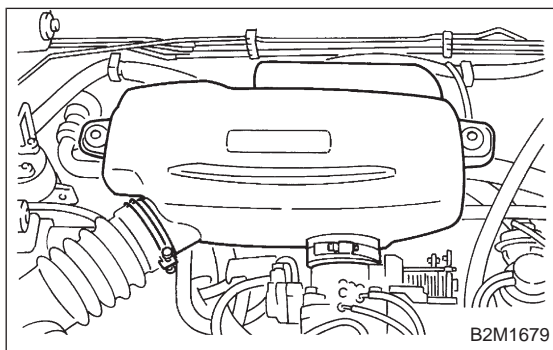
The knock sensor cord must pass between the engine harness and engine coolant hose.



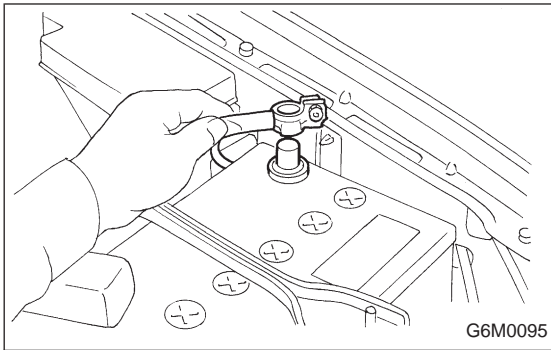
3) Fasten engine harness to engine coolant hose with band clip.

**NOTE:**

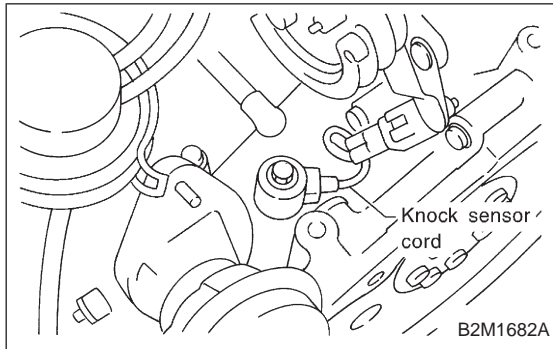
Make sure that the throttle linkage does not interfere with other parts in the operating area.



4) Install air intake chamber. <Ref. to 2-7 [W18A0].>



5) Connect battery ground cable to battery ground terminal.



## 2. 2500 cc MODEL

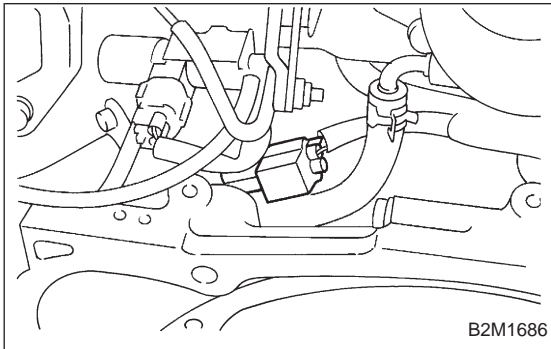
1) Install knock sensor to cylinder block.

### **Tightening torque:**

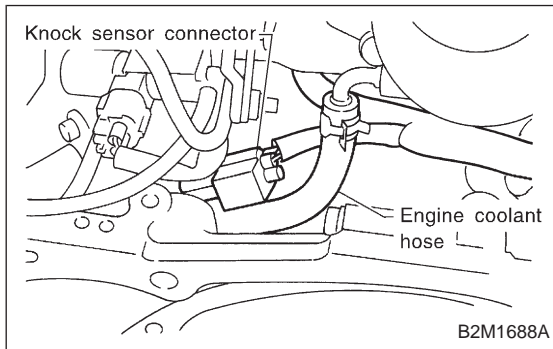
**$23.5 \pm 2.9 \text{ N}\cdot\text{m}$  ( $2.4 \pm 0.3 \text{ kg}\cdot\text{m}$ ,  $17.3 \pm 2.1 \text{ ft}\cdot\text{lb}$ )**

### NOTE:

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

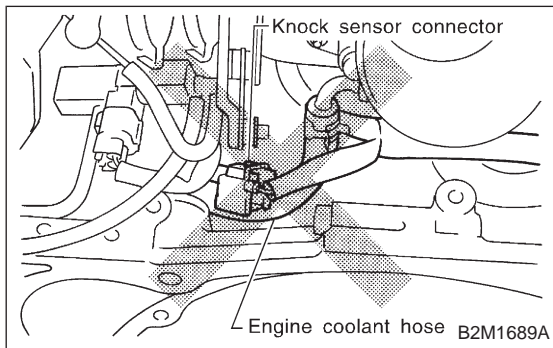


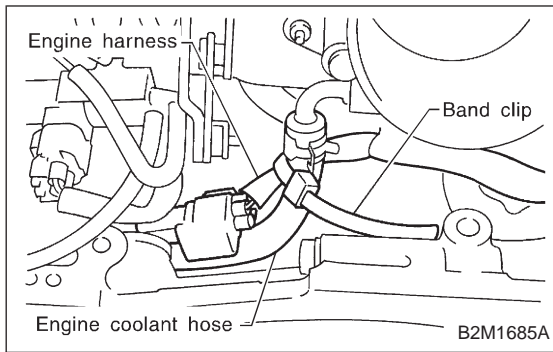
2) Connect knock sensor connector.



### NOTE:

The connector must be connected to the engine front end of the engine coolant hose.

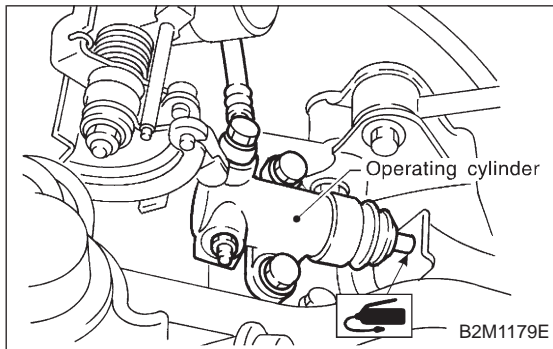




3) Fasten engine harness to engine coolant hose with band clip.

**NOTE:**

Make sure that the throttle linkage does not interfere with other parts in the operating area.



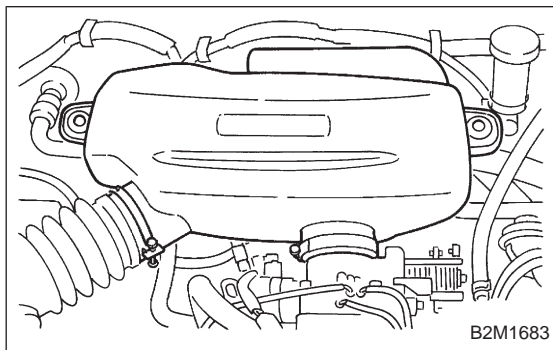
4) Install operating cylinder. (MT vehicle only)

**Tightening torque:**

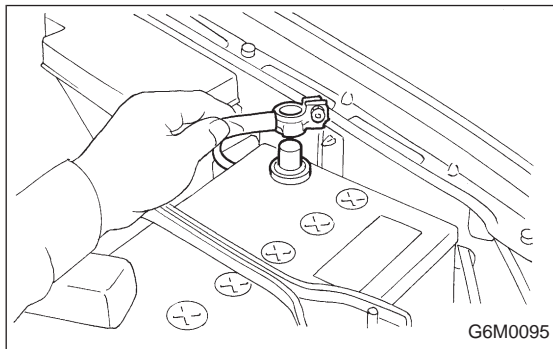
**$37\pm 3$  N·m ( $3.8\pm 0.3$  kg·m,  $27.3\pm 2.2$  ft·lb)**

**NOTE:**

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



5) Install air intake chamber. <Ref. to 2-7 [W18A0].>



6) Connect battery ground cable to battery ground terminal.