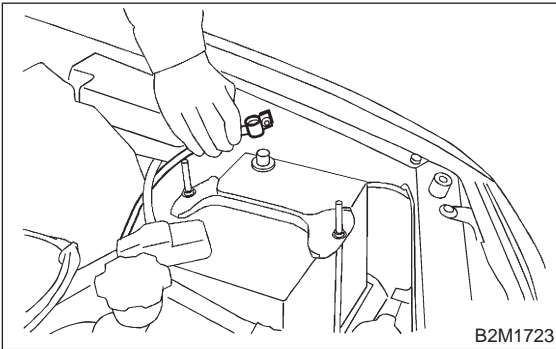


19. Knock Sensor

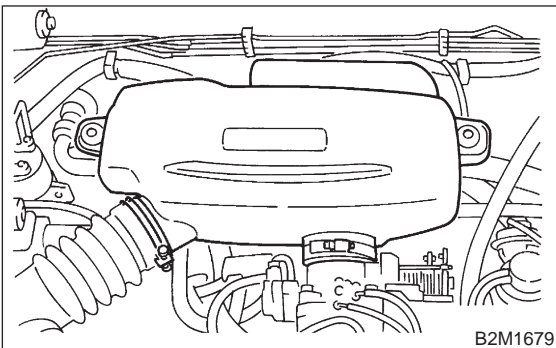
A: REMOVAL

1. 2200 cc MODEL

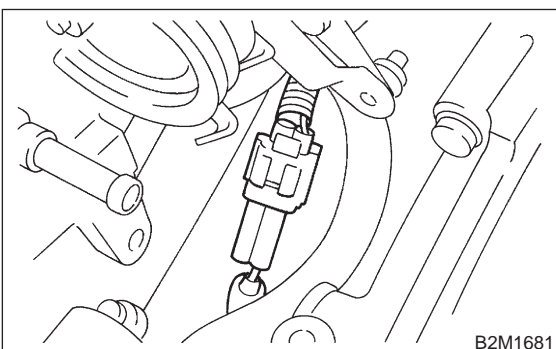
- 1) Disconnect battery ground cable from battery ground terminal.



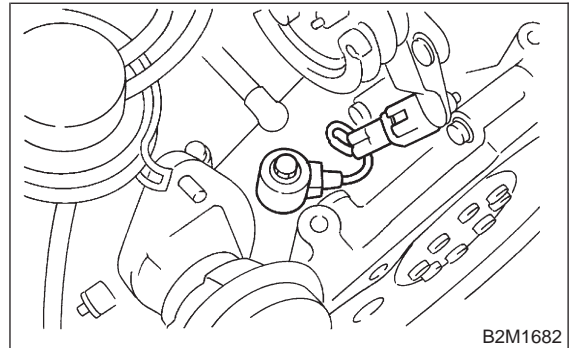
- 2) Remove air intake chamber.
<Ref. to 2-7 [W18A0].>



- 3) Disconnect knock sensor connector.

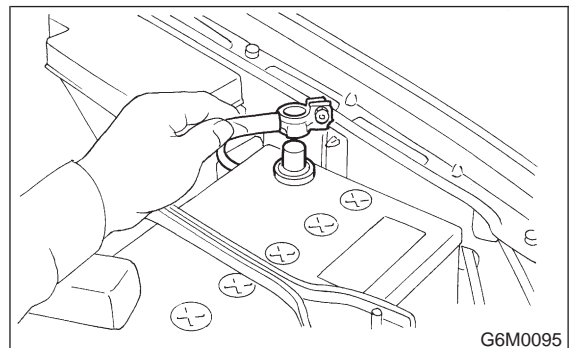


- 4) Remove knock sensor from cylinder block.

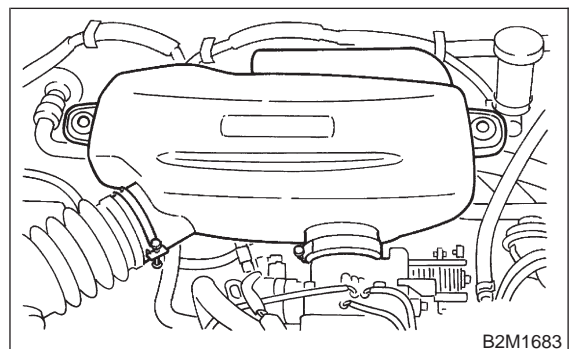


2. 2500 cc MODEL

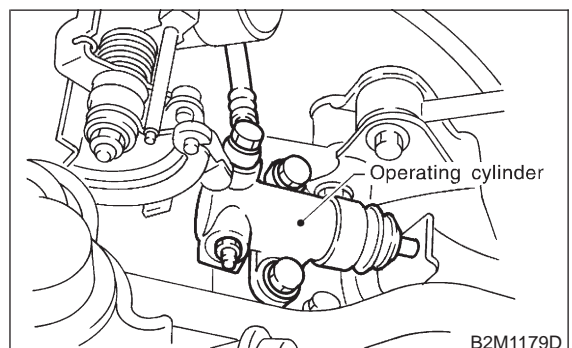
- 1) Disconnect battery ground cable from battery ground terminal.



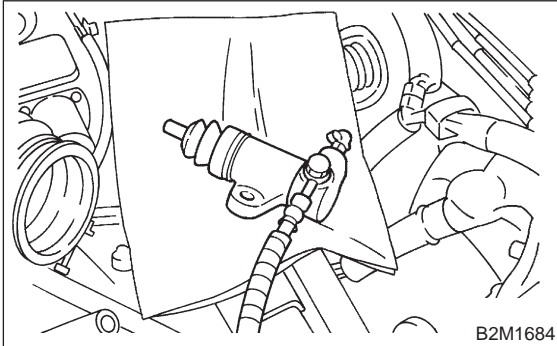
- 2) Remove air intake chamber.
<Ref. to 2-7 [W18A0].>



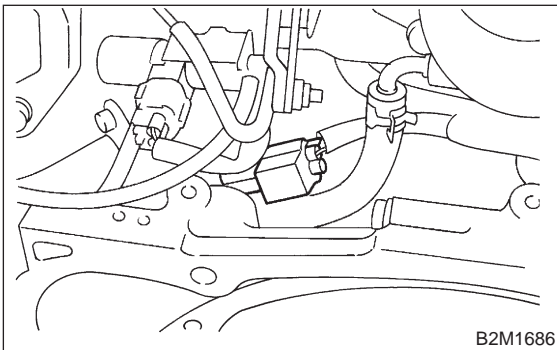
- 3) Remove operating cylinder. (MT vehicle only)
<Ref. to 2-10 [W5A0].>



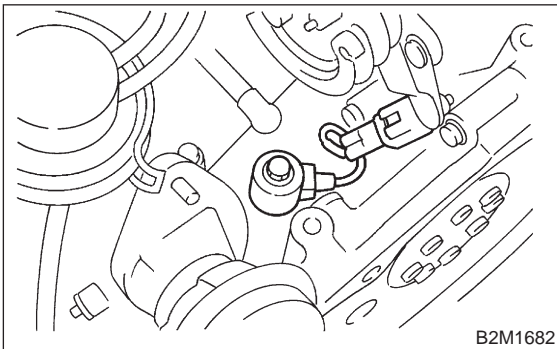
NOTE:
Place the operating cylinder where it will not interfere with the work in process.



4) Disconnect knock sensor connector.



5) Remove knock sensor from cylinder block.



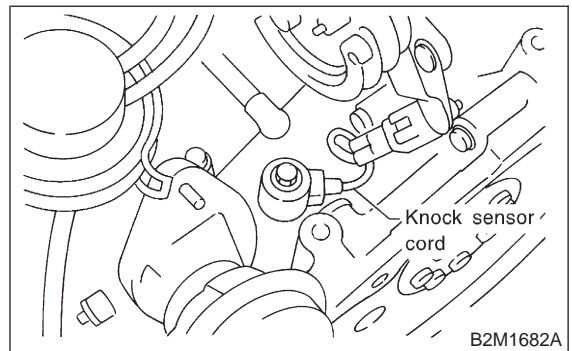
B: INSTALLATION

1. 2200 cc MODEL

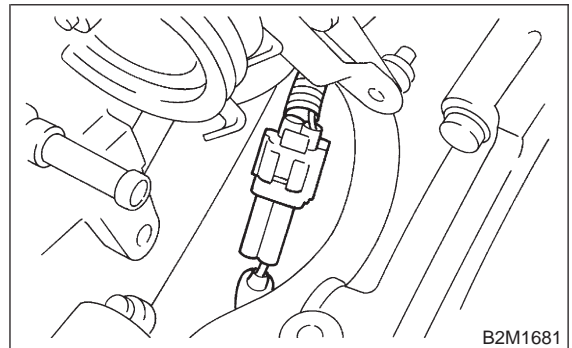
1) Install knock sensor to cylinder block.

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

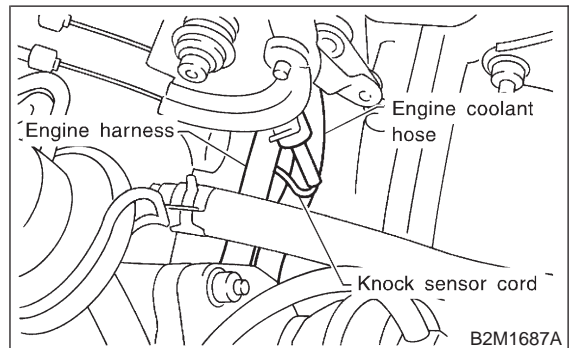
NOTE:
The extraction area of the knock sensor cord must be positioned at a 45° angle relative to the engine rear.



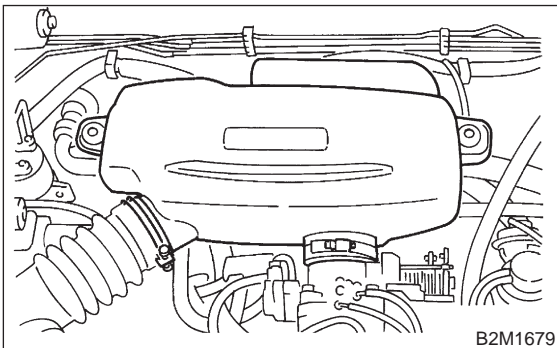
2) Connect knock sensor connector.



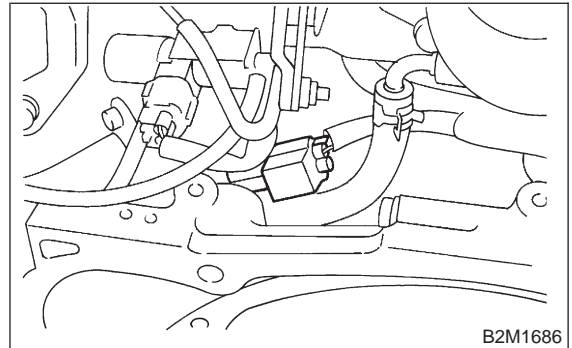
NOTE:
The knock sensor cord must pass between the engine harness and engine coolant hose.



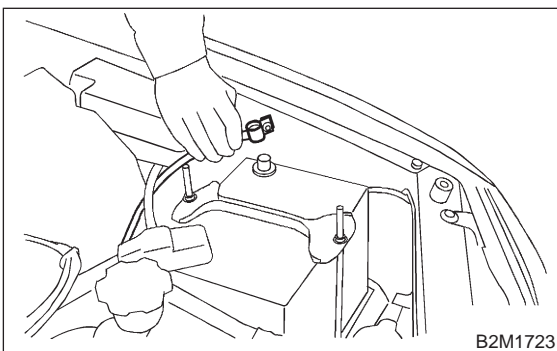
3) Install air intake chamber. <Ref. to 2-7 [W18A0].>



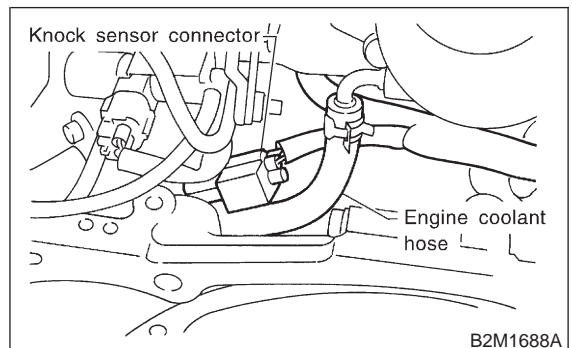
2) Connect knock sensor connector.



4) Connect battery ground cable to battery ground terminal.



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

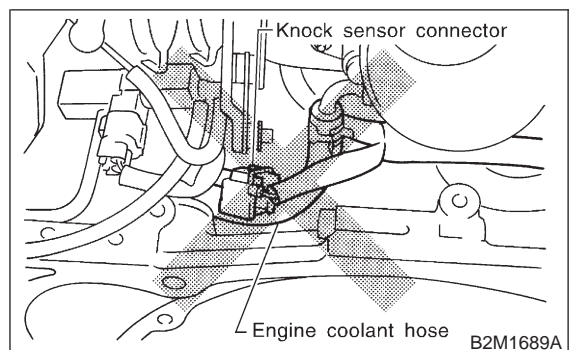
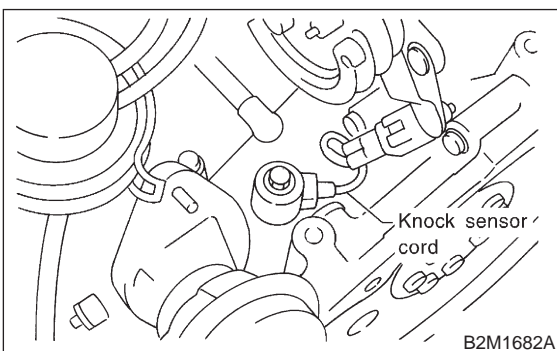


2. 2500 cc MODEL

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.



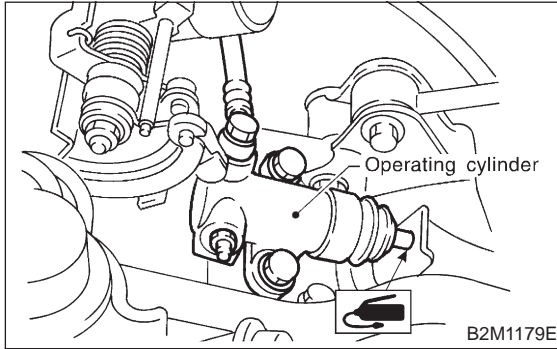
3) Install operating cylinder. (MT vehicle only)

Tightening torque:

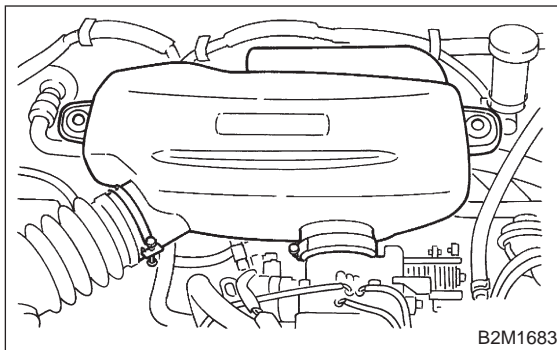
37 ± 3 N·m (3.8 ± 0.3 kg·m, 27.3 ± 2.2 ft·lb)

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 [W18A0].>



5) Connect battery ground cable to battery ground terminal.

