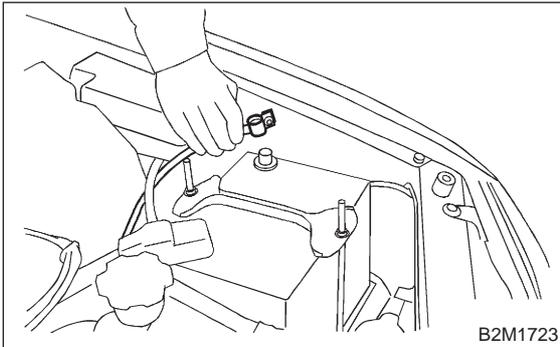


19. Knock Sensor

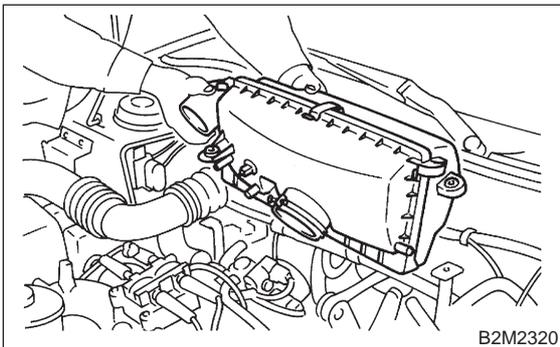
A: REMOVAL

1. 2200 cc MODEL

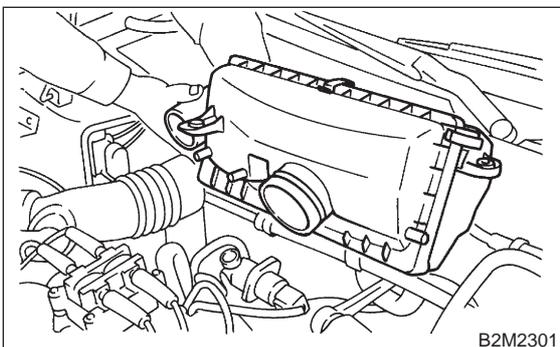
1) Disconnect battery ground cable from battery ground terminal.



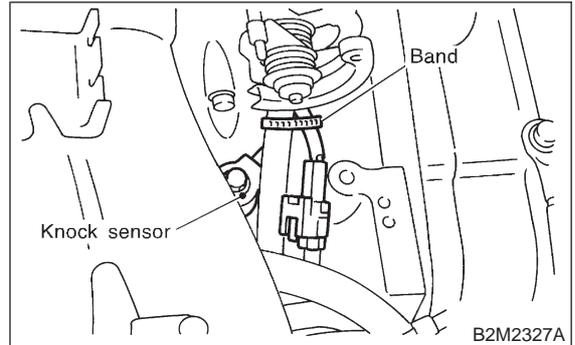
2) Remove air cleaner assembly.
(California spec. vehicles only)
<Ref. to 2-7 [W1A1].>



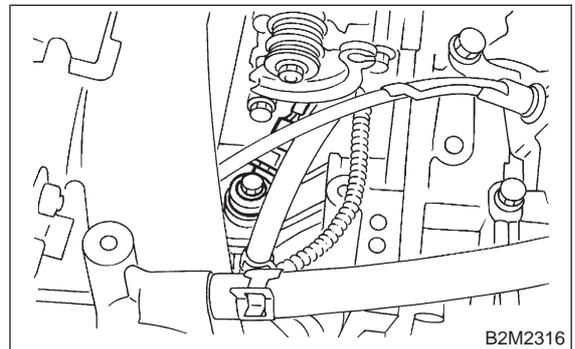
3) Remove air intake chamber.
(Except California spec. vehicles)
<Ref. to 2-7 [W18A0].>



4) Remove band which holds knock sensor harness, and disconnect connector from knock sensor.

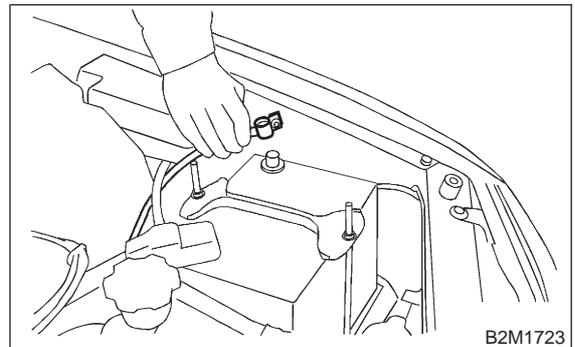


5) Remove knock sensor from cylinder block.

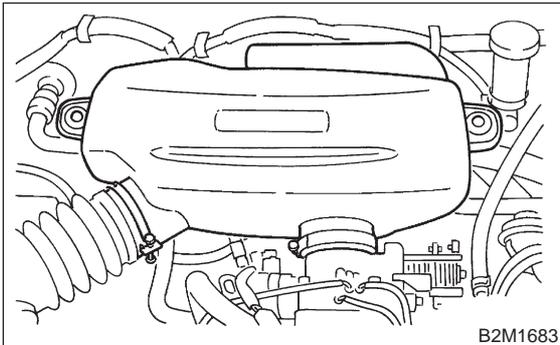


2. 2500 cc MODEL

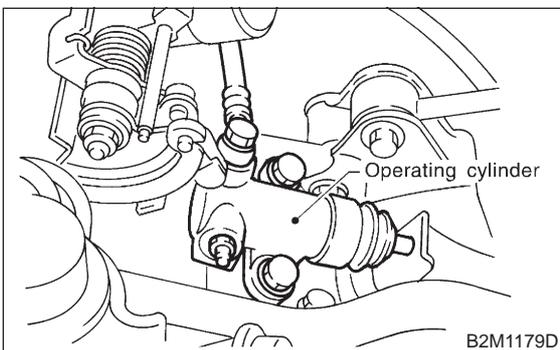
1) Disconnect battery ground cable from battery ground terminal.



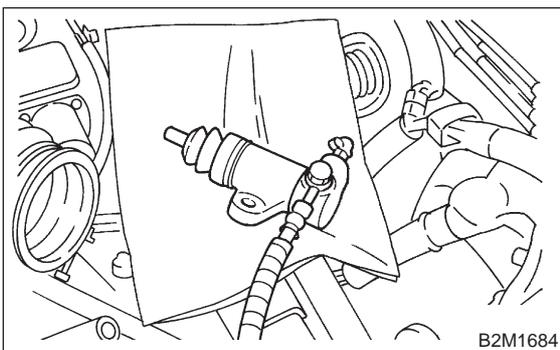
- 2) Remove air intake chamber.
<Ref. to 2-7 [W18A0].>



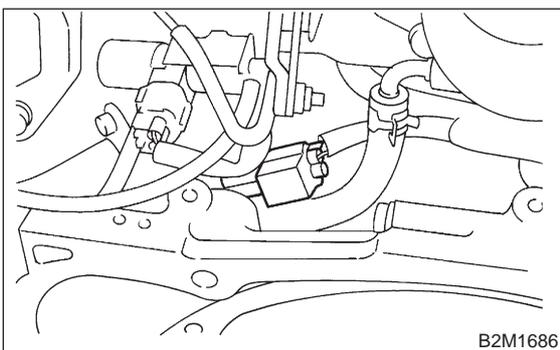
- 3) Remove operating cylinder. (MT vehicles only)
<Ref. to 2-10 [W5A0].>



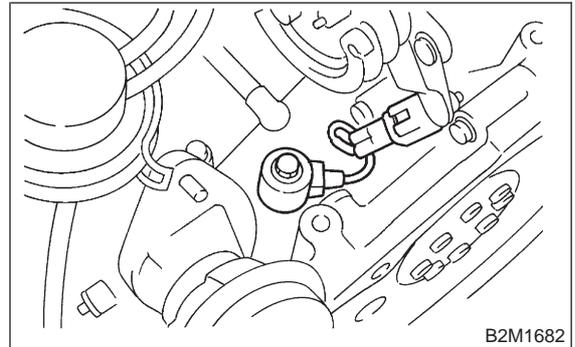
NOTE:
Place the operating cylinder where it will not interfere the work in process.



- 4) Disconnect knock sensor connector.



- 5) Remove knock sensor from cylinder block.



B: INSTALLATION

1. 2200 cc MODEL

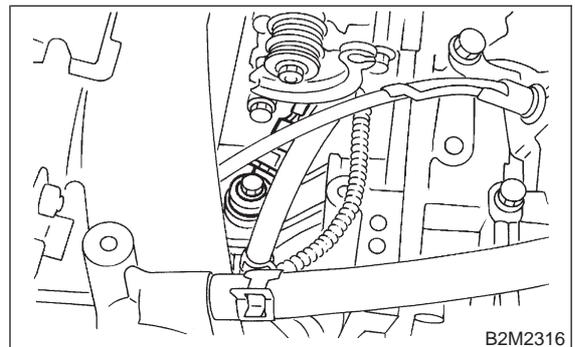
- 1) Install knock sensor to cylinder block.

NOTE:

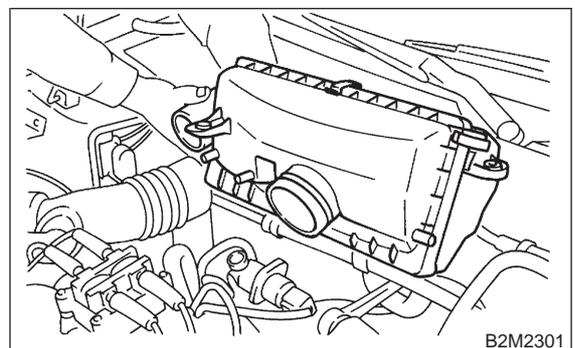
The knock sensor cord which is extracted from the sensor must be positioned at a 45° angle against the rear side of the engine.

Tightening torque:

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



- 2) Connect knock sensor connector and hold knock sensor harness with band.
3) Install air intake chamber. (Except California spec. vehicles) <Ref. to 2-7 [W18A0].>

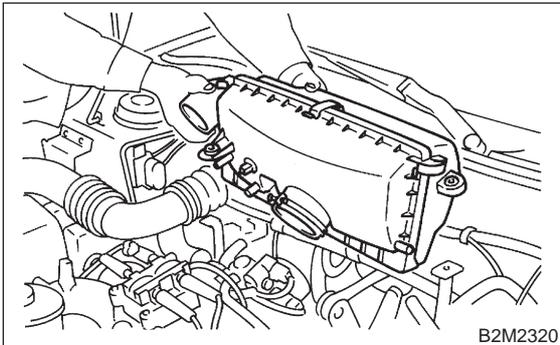


2-7 [W19B2]

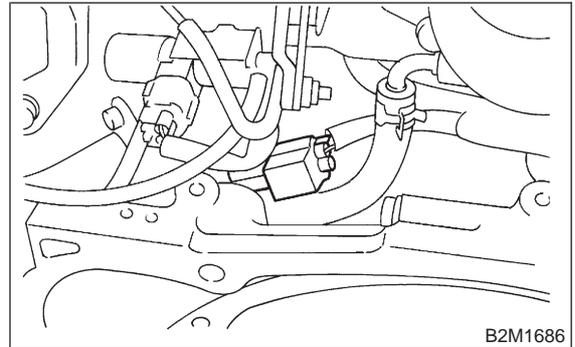
19. Knock Sensor

SERVICE PROCEDURE

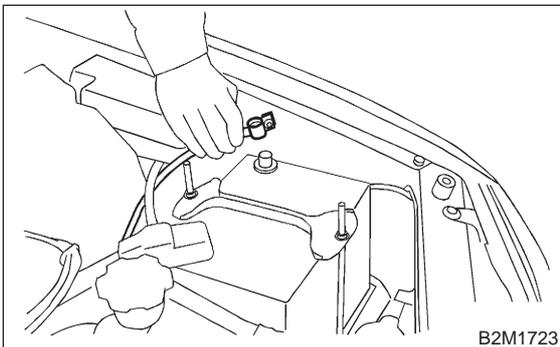
4) Install air cleaner assembly. (California spec. vehicles only) <Ref. to 2-7 [W1A1].>



2) Connect knock sensor connector.

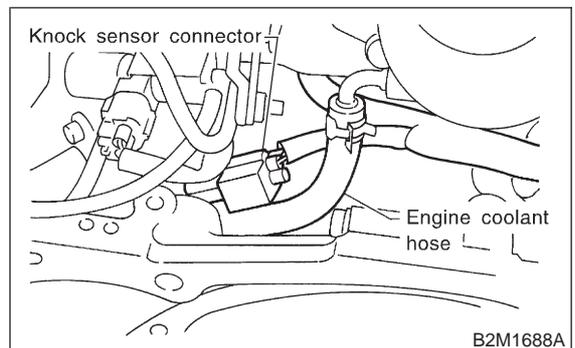


5) Connect battery ground cable to battery ground terminal.



NOTE:

The knock sensor connector must be connected behind the engine coolant hose within the engine components.



2. 2500 cc MODEL

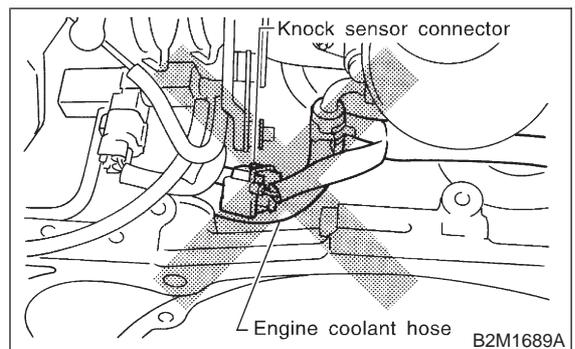
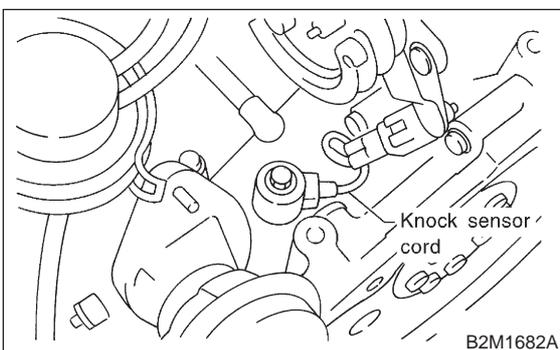
1) Install knock sensor to cylinder block.

NOTE:

The knock sensor cord which is extracted from the sensor must be positioned at a 45° angle against the rear side of the engine.

Tightening torque:

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



SERVICE PROCEDURE

[W20A0] 2-7

20. Intake Manifold Pressure Sensor (2200 cc California Spec. Vehicles only)

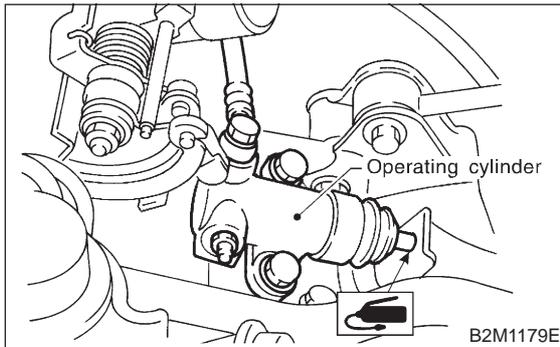
3) Install operating cylinder. (MT vehicles only)

NOTE:

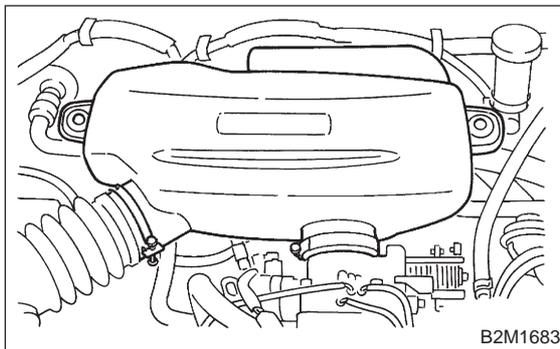
Apply grease to contact point of release lever and operating cylinder rod. <Ref. to 2-10 [W5A0].>

Tightening torque:

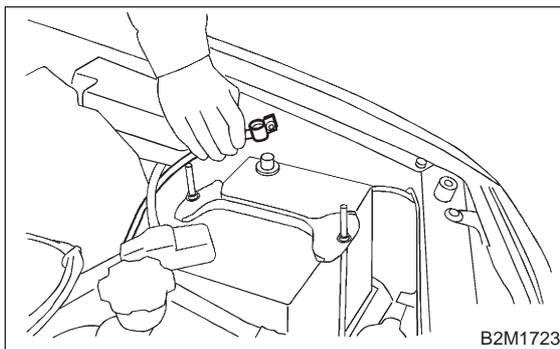
37±3 N·m (3.8±0.3 kg·m, 27.3±2.2 ft·lb)



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



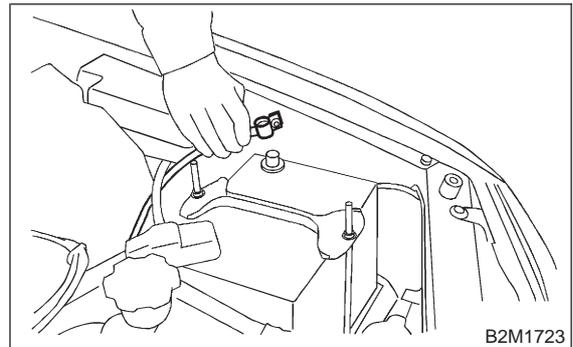
5) Connect battery ground cable to battery ground terminal.



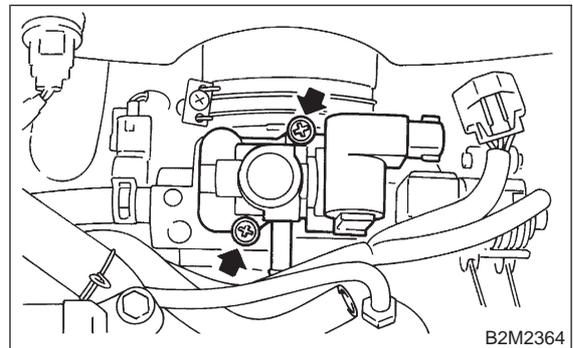
20. Intake Manifold Pressure Sensor (2200 cc California Spec. Vehicles only)

A: REMOVAL AND INSTALLATION

1) Disconnect battery ground cable.



2) Remove idle air control solenoid valve. <Ref. to 2-7 [W12A1].>



3) Disconnect connector from intake manifold pressure sensor.

