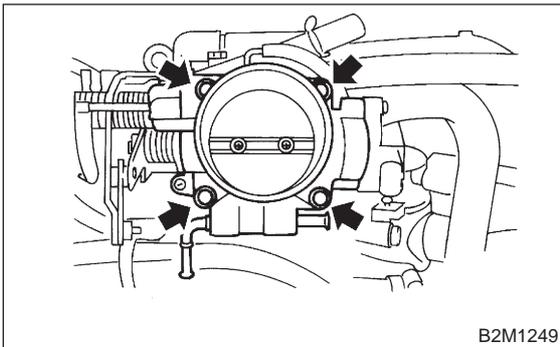


9) Remove bolts which install throttle body to intake manifold.



10) Installation is in the reverse order of removal.

CAUTION:

- Always use a new gasket.
- Before installing air cleaner upper cover, align holes with protruding portions of air cleaner lower case, then secure upper cover to lower case.

Tightening torque:

Throttle body:

22±2 N·m (2.2±0.2 kg·m, 15.9±1.4 ft·lb)

Air intake chamber:

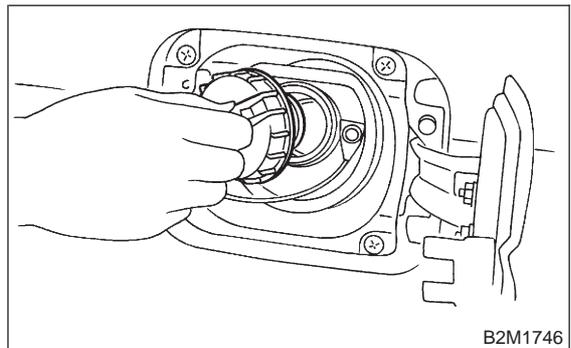
4.9±0.5 N·m (0.5±0.05 kg·m, 3.6±0.4 ft·lb)

4. Intake Manifold

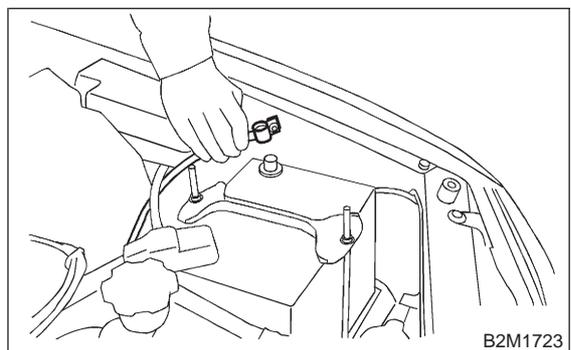
A: REMOVAL

1. 2200 cc CALIFORNIA SPEC. VEHICLES

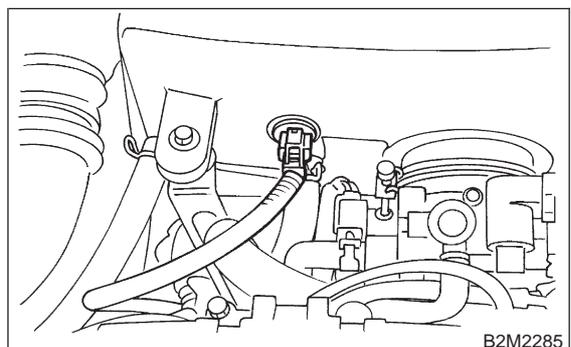
- 1) Release fuel pressure. <Ref. to 2-8 [W1B0].>
- 2) Open fuel flap lid, and remove fuel filler cap.



- 3) Disconnect battery ground cable.



- 4) Disconnect connector from intake air temperature sensor.

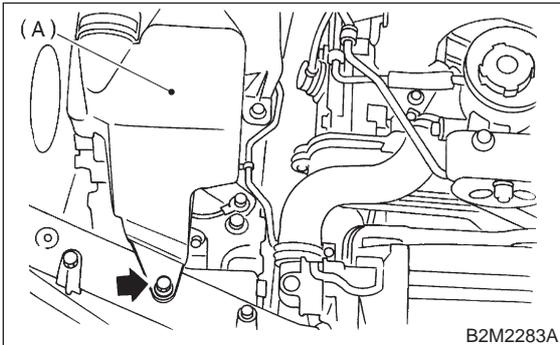


2-7 [W4A1]

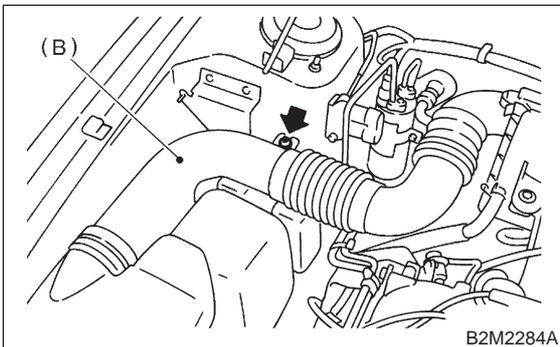
4. Intake Manifold

SERVICE PROCEDURE

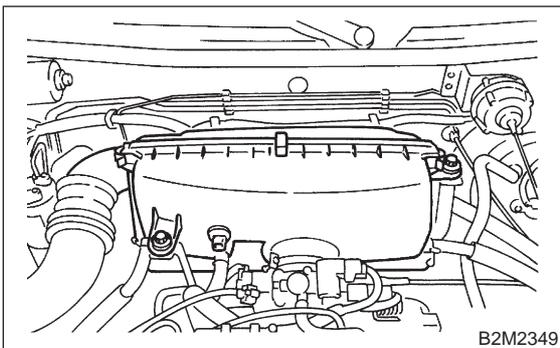
5) Remove bolt which installs air intake duct (A) on the front of body.



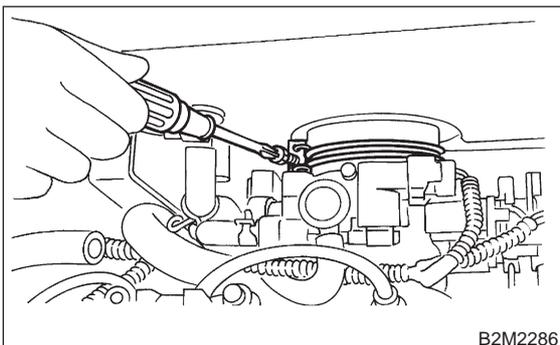
6) Remove bolt which installs air intake duct (B) on body.



7) Remove bolts which install air cleaner case on stays.

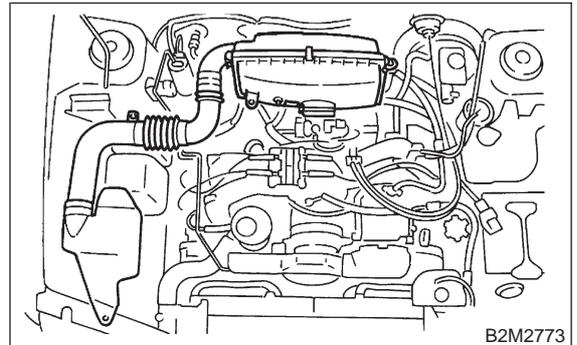


8) Loosen clamp which connects air intake chamber to throttle body.



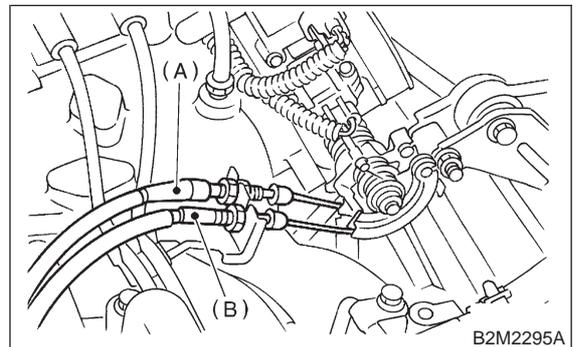
9) Disconnect blow-by hose from air cleaner case.

10) Remove air intake duct (A), (B) and air cleaner assembly as a unit.



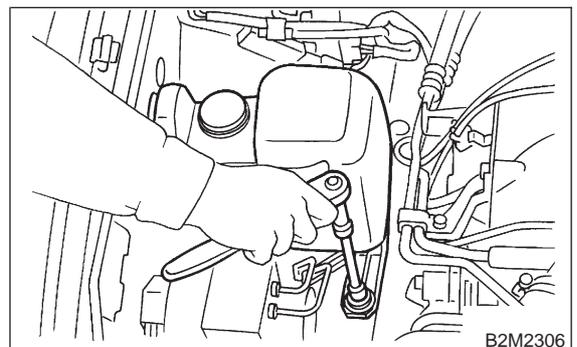
11) Disconnect accelerator cable (A).

12) Disconnect cruise control cable (B). (With cruise control model)

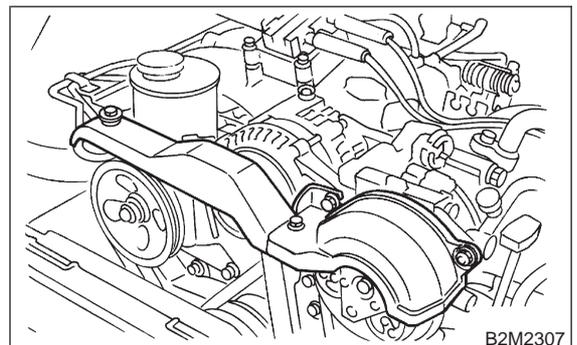


13) Remove power steering pump from bracket.

(1) Remove resonator chamber.



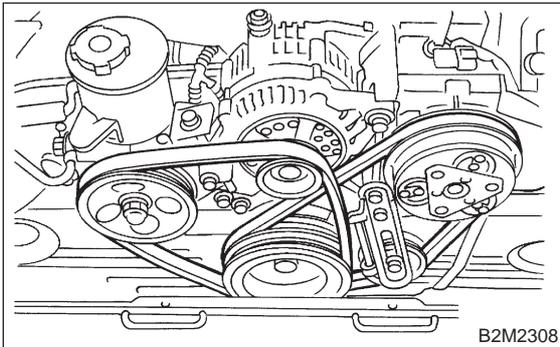
(2) Remove V-belt covers.



SERVICE PROCEDURE

[W4A1] 2-7
4. Intake Manifold

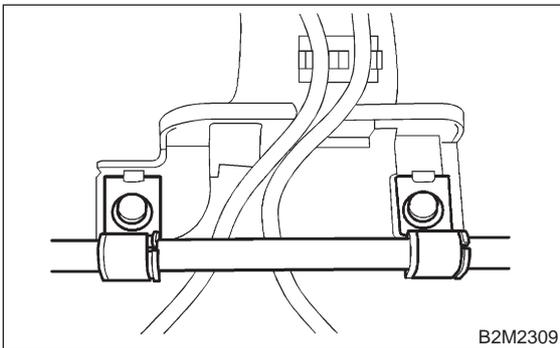
(3) Loosen lock bolt and slider bolt, and remove power steering pump drive V-belt.



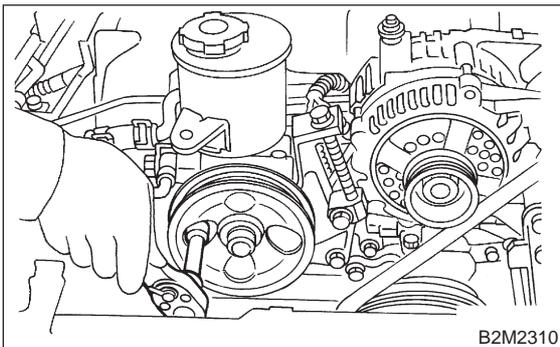
(4) Remove bolts which secure power steering pipe brackets to intake manifold.

NOTE:

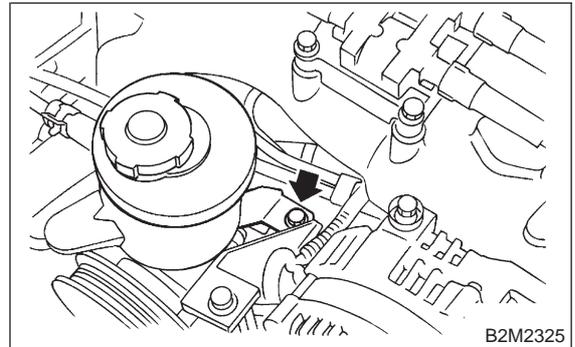
Do not disconnect power steering hose.



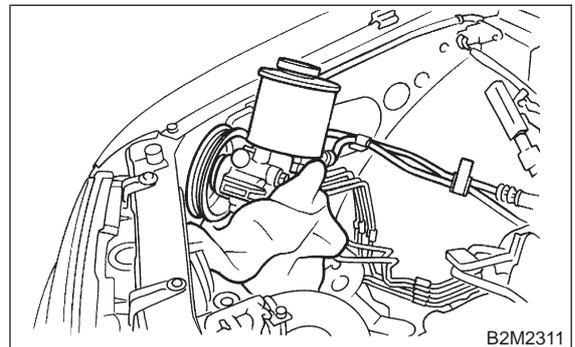
(5) Remove bolts which install power steering pump to bracket.



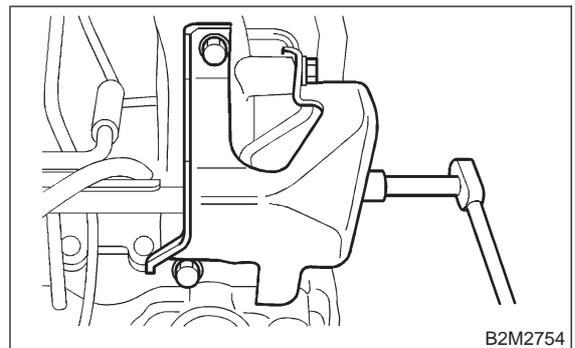
(6) Remove bolt which holds power steering fluid tank bracket onto cylinder block.



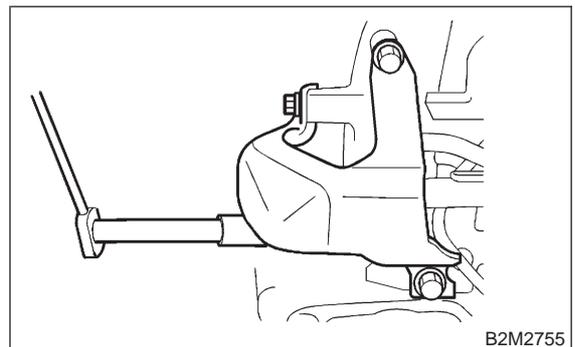
(7) Place power steering pump on the right side wheel apron.



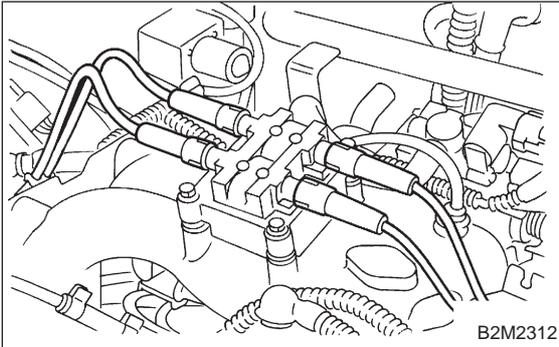
14) Remove fuel pipe protector LH. (LHD model only)



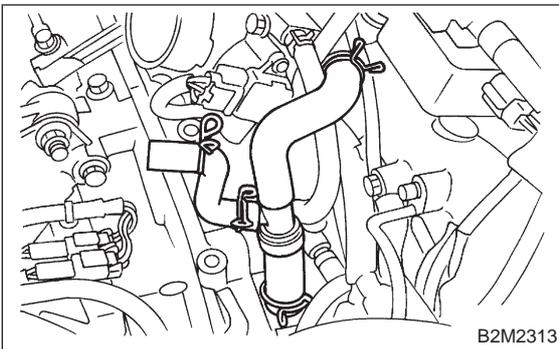
15) Remove fuel pipe protector RH. (RHD model only)



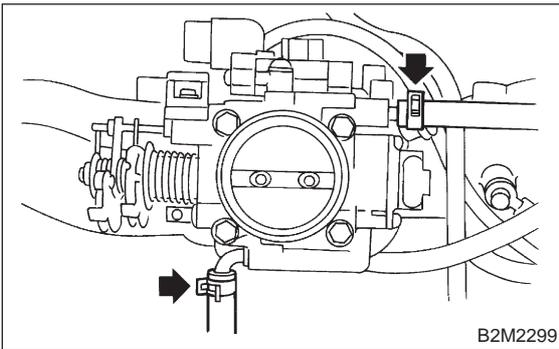
16) Disconnect spark plug cords from ignition coil and ignitor assembly.



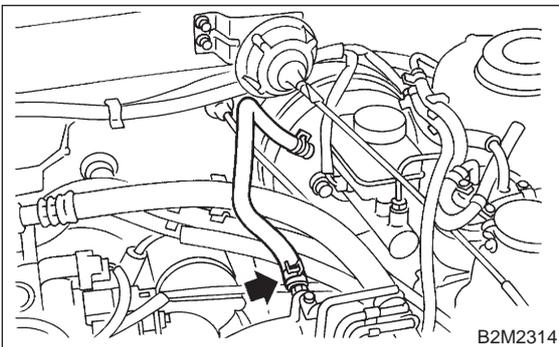
17) Disconnect PCV hose assembly from intake manifold.



18) Disconnect engine coolant hoses from throttle body.

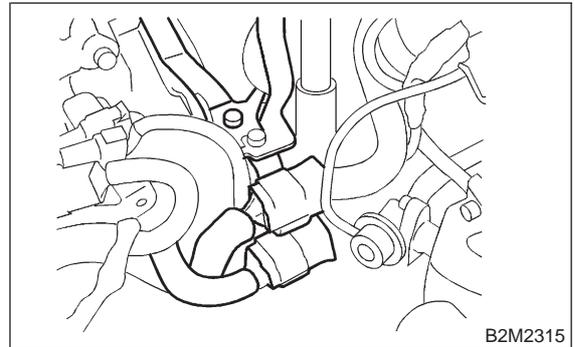


19) Disconnect brake booster hose.

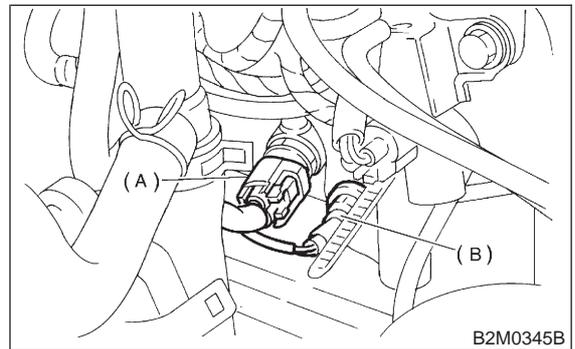


20) Remove air cleaner case stay RH and engine harness bracket, and disconnect engine harness connectors from bulkhead harness connectors.

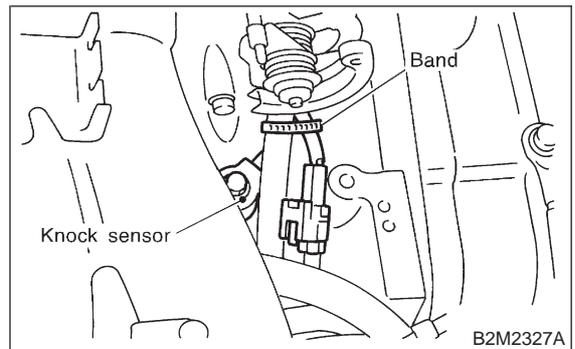
21) Pull out engine harness connector from bracket.



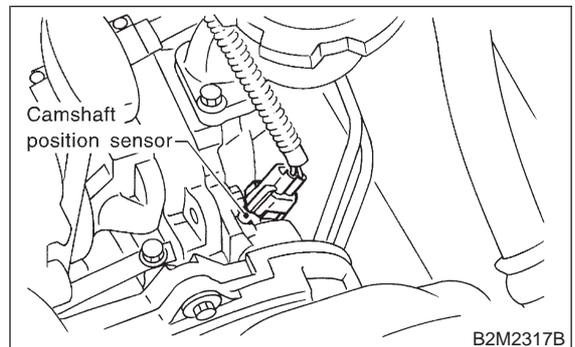
22) Disconnect connectors from engine coolant temperature sensor (A) and thermometer (B).



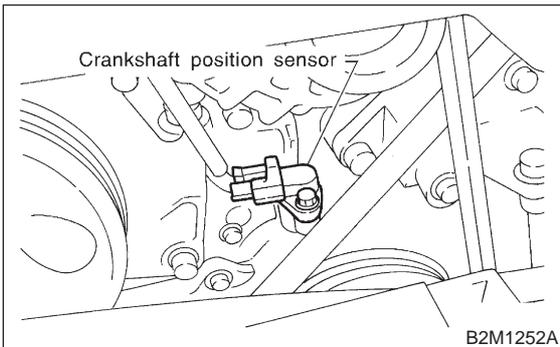
23) Disconnect knock sensor connector.



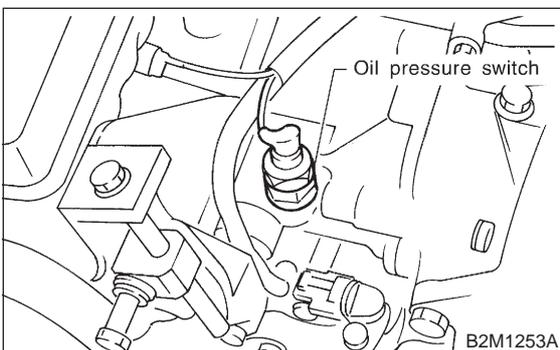
24) Disconnect connector from camshaft position sensor.



25) Disconnect connector from crankshaft position sensor.

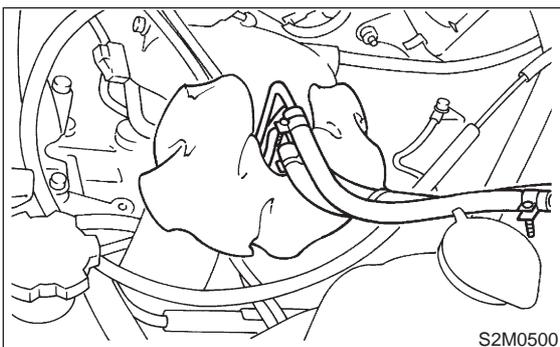


26) Disconnect connector from oil pressure switch.

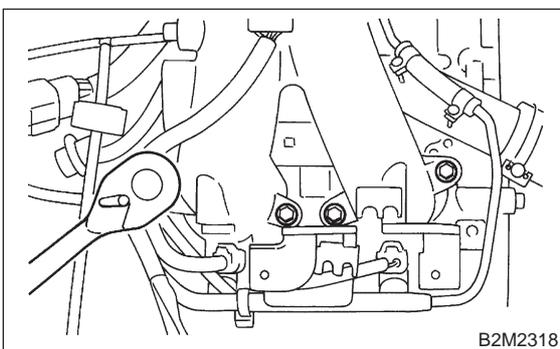


27) Disconnect fuel hoses from fuel pipes.

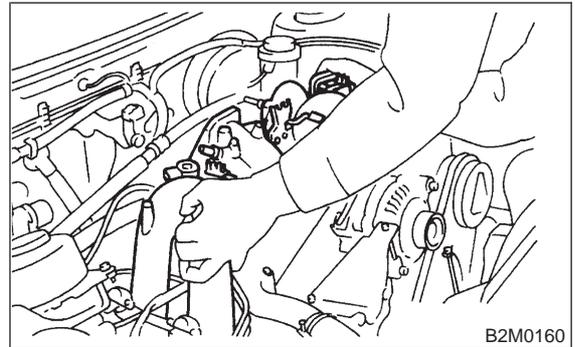
WARNING:
Catch fuel from hoses in a container.



28) Remove eight bolts which hold intake manifold onto cylinder heads.

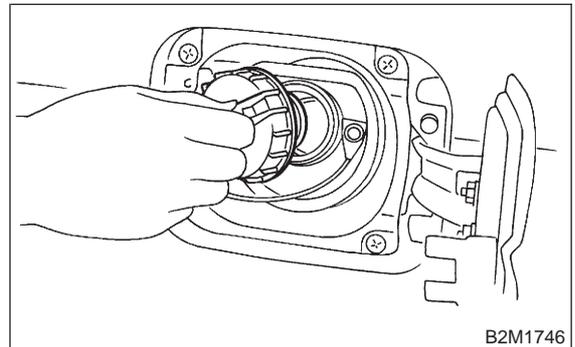


29) Remove intake manifold.

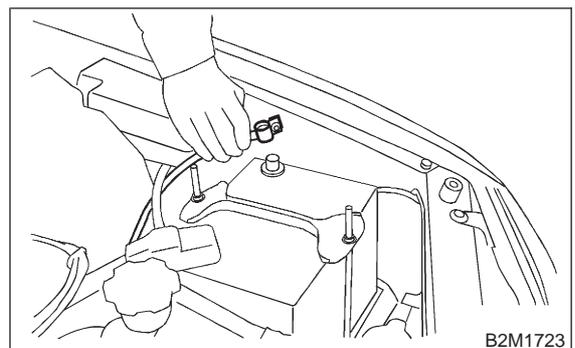


2. 2200 cc EXCEPT CALIFORNIA SPEC. VEHICLES

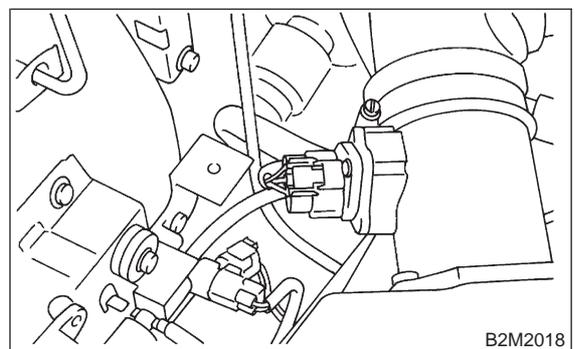
- 1) Release fuel pressure. <Ref. to 2-8 [W1B0].>
- 2) Open fuel flap lid, and remove fuel filler cap.



3) Disconnect battery ground cable.



4) Disconnect connector from mass air flow sensor.

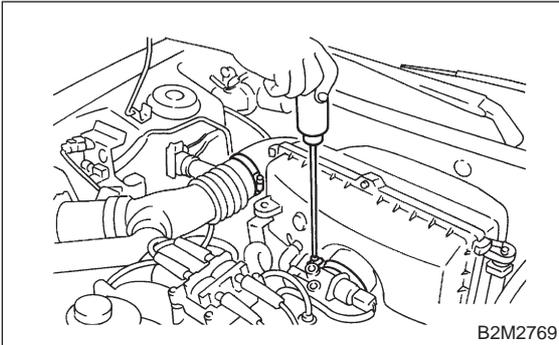


2-7 [W4A2]

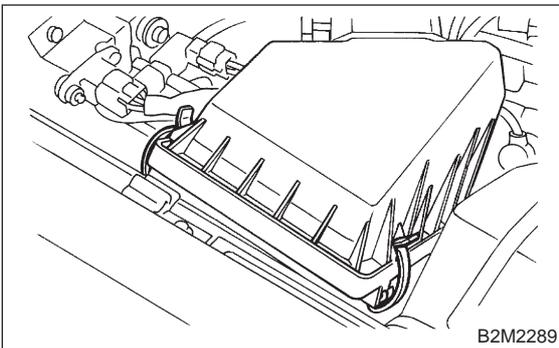
4. Intake Manifold

SERVICE PROCEDURE

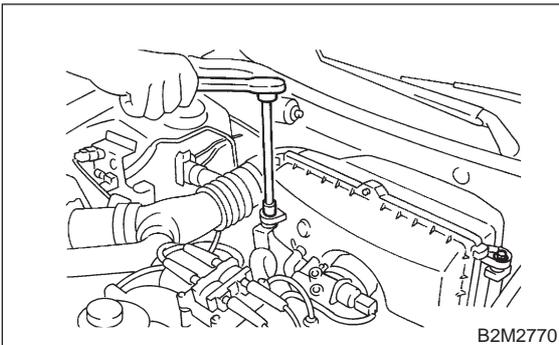
5) Loosen clamp which connects air intake chamber to throttle body.



6) Remove two clips of air cleaner upper cover.



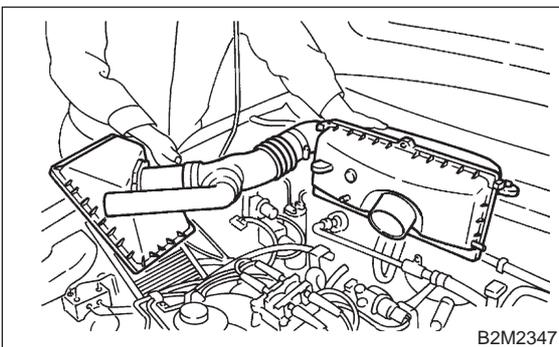
7) Remove bolts which install air intake chamber on stays.



8) Disconnect blow-by hose from air intake chamber.

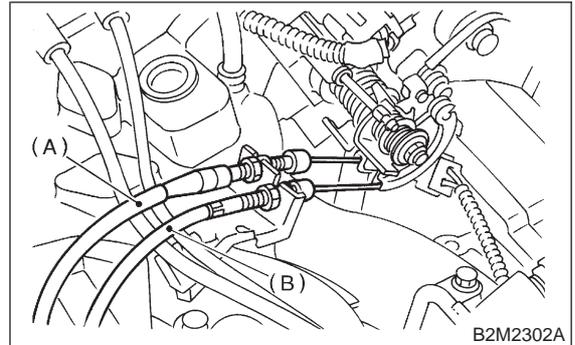
9) Remove air intake duct, air cleaner upper cover and air intake chamber as a unit.

10) Remove air cleaner element.



11) Disconnect accelerator cable (A).

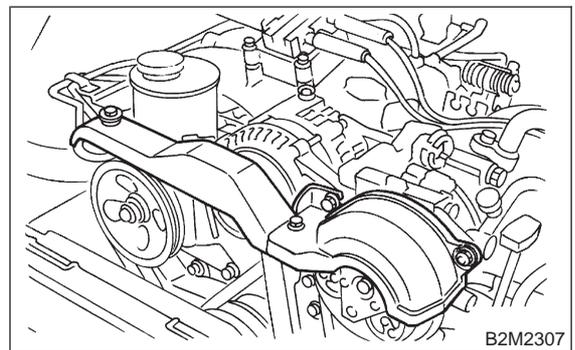
12) Disconnect cruise control cable (B). (With cruise control model)



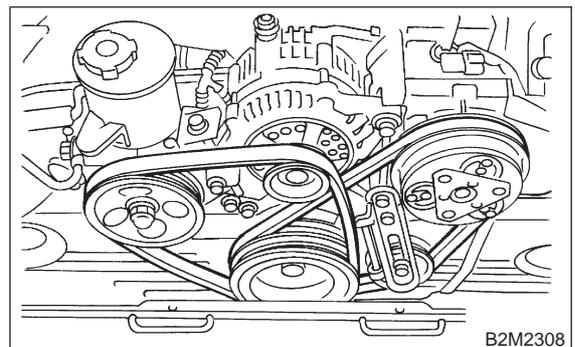
13) Disconnect vacuum hoses from pressure sources switching solenoid valve.

14) Remove power steering pump from bracket.

(1) Remove V-belt cover.



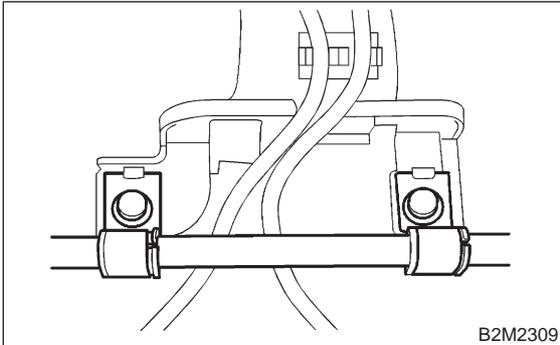
(2) Loosen lock bolt and slider bolt, and remove power steering pump drive V-belt.



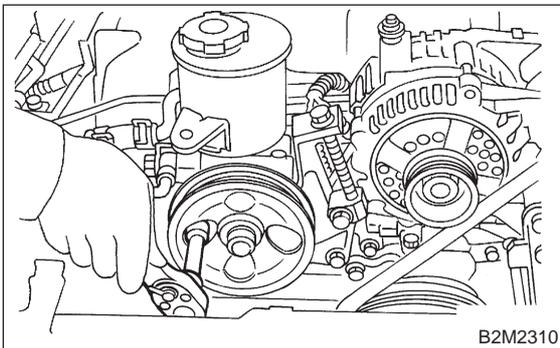
(3) Remove bolts which secure power steering pipe brackets to intake manifold.

NOTE:

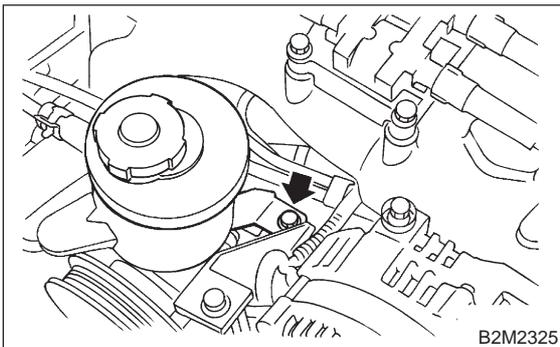
Do not disconnect power steering hose.



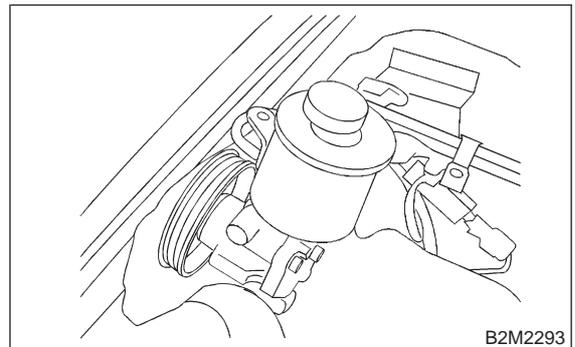
(4) Remove bolts which install power steering pump to bracket.



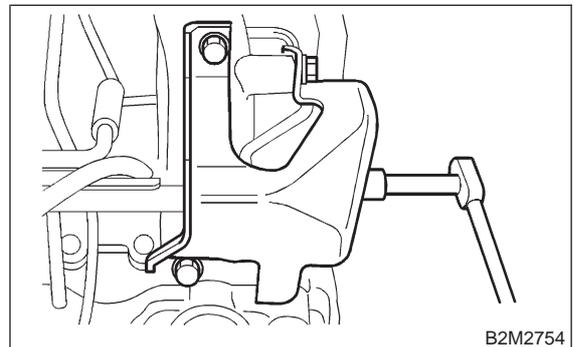
(5) Remove bolt which holds power steering fluid tank bracket onto cylinder block.



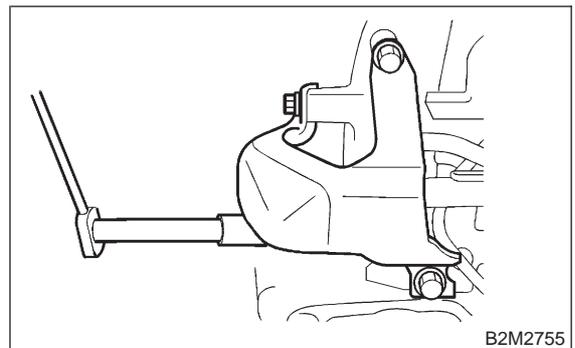
(6) Place power steering pump on the right side wheel apron.



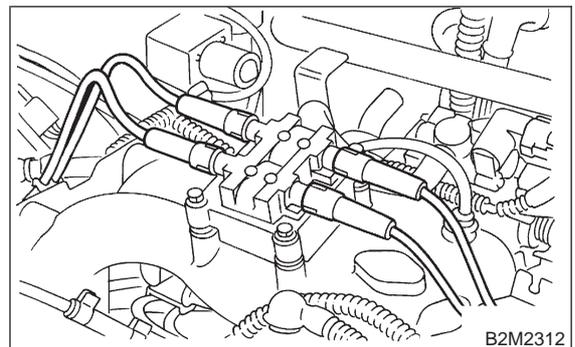
15) Remove fuel pipe protector LH. (LHD model only)



16) Remove fuel pipe protector RH. (RHD model only)



17) Disconnect spark plug cords from ignition coil and ignitor assembly.



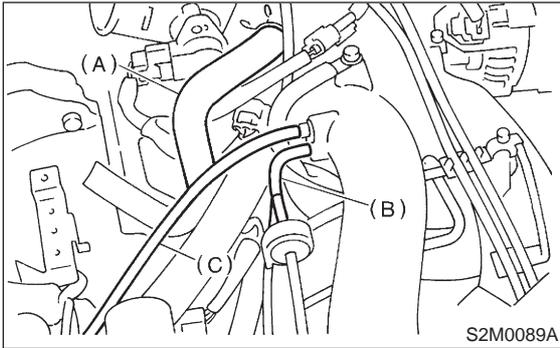
2-7 [W4A2]

4. Intake Manifold

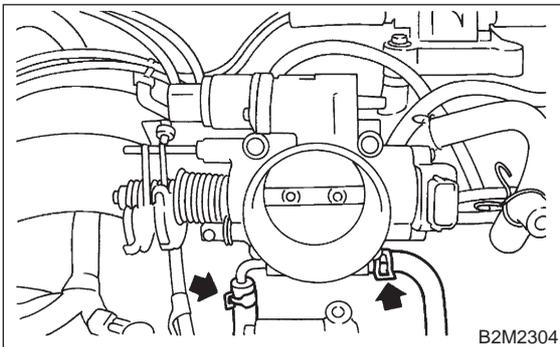
SERVICE PROCEDURE

18) Disconnect PCV hose (A) and pressure regulator vacuum hose (B) from intake manifold.

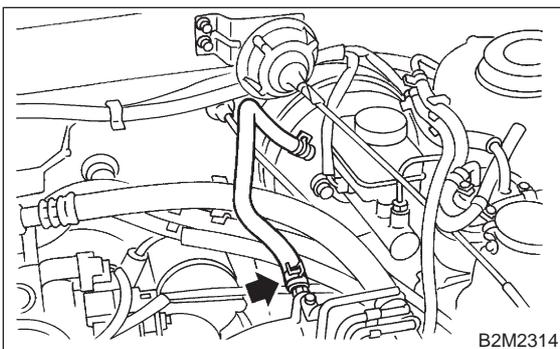
19) Disconnect vacuum hose (C) to cruise control diaphragm. (With cruise control models)



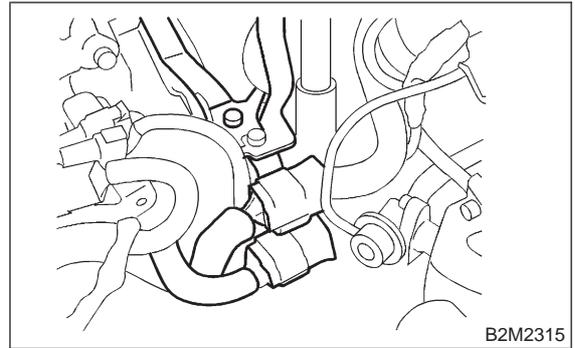
20) Disconnect engine coolant hose from throttle body.



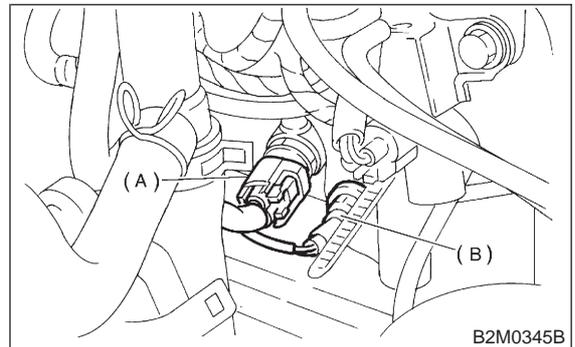
21) Disconnect brake booster hose.



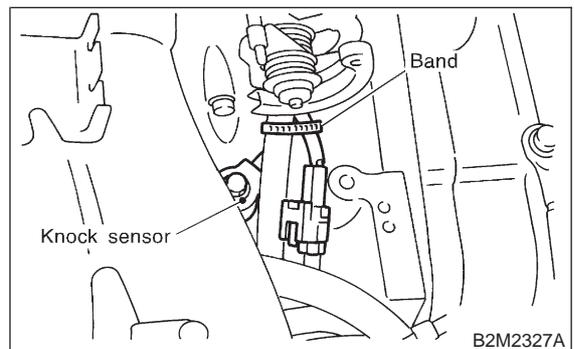
22) Remove air intake chamber stay RH, engine harness bracket from transmission housing, and disconnect engine harness connectors from bulk-head harness connectors.



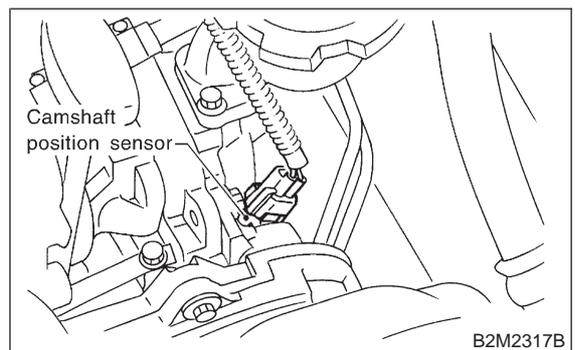
23) Disconnect connectors from engine coolant temperature sensor (A) and thermometer (B).



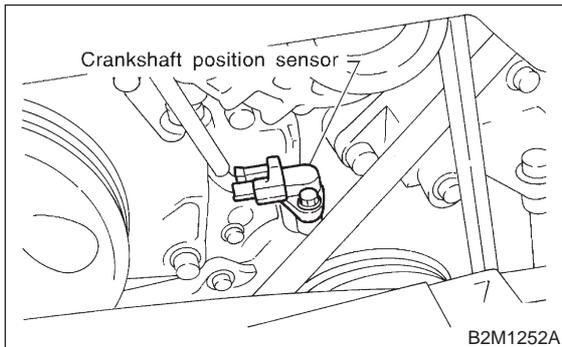
24) Disconnect knock sensor connector.



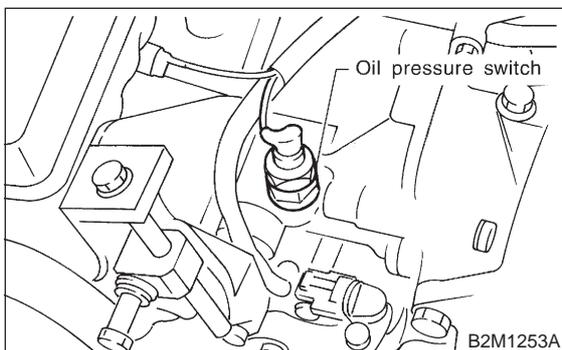
25) Disconnect connector from camshaft position sensor.



26) Disconnect connector from crankshaft position sensor.

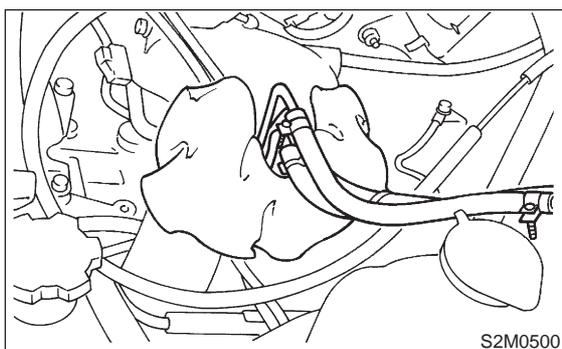


27) Disconnect connector from oil pressure switch.

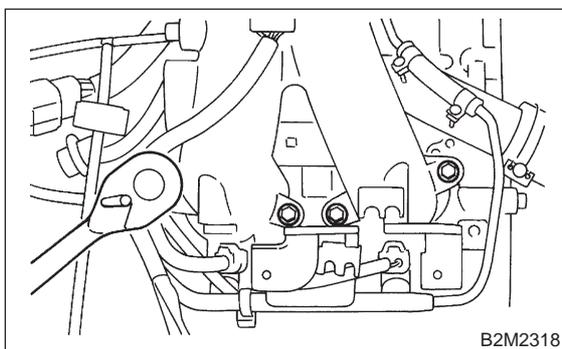


28) Disconnect fuel hoses from fuel pipes.

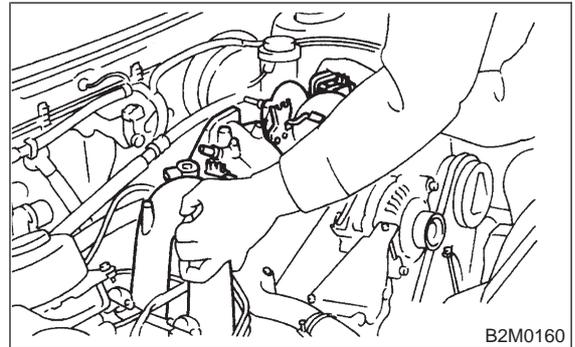
WARNING:
Catch fuel from hoses in a container.



29) Remove bolts which hold intake manifold onto cylinder heads.

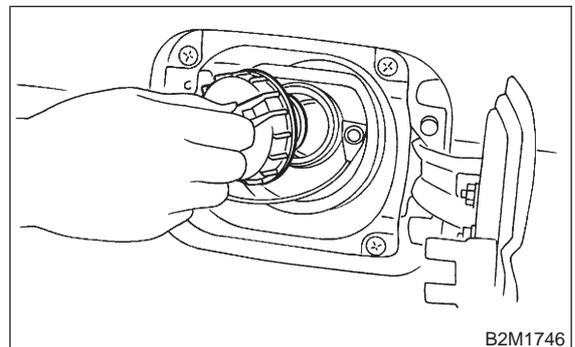


30) Remove intake manifold.

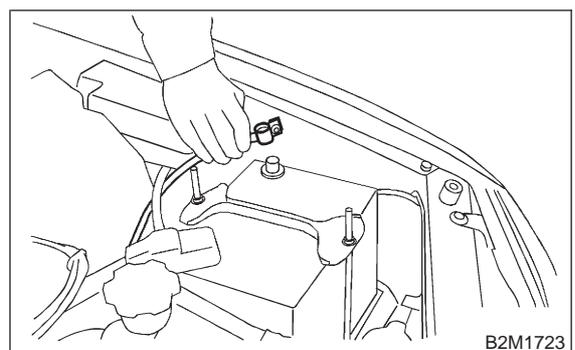


3. 2500 cc MODEL

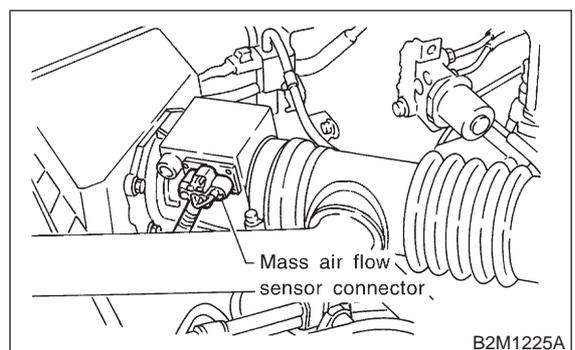
- 1) Release fuel pressure. <Ref. to 2-8 [W1B0].>
- 2) Open fuel flap lid, and remove fuel filler cap.



3) Disconnect battery ground cable.



4) Disconnect connector from mass air flow sensor.

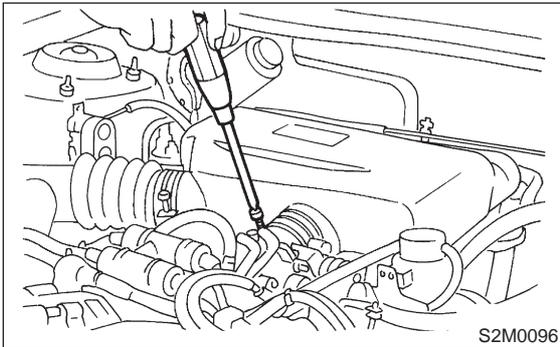


2-7 [W4A3]

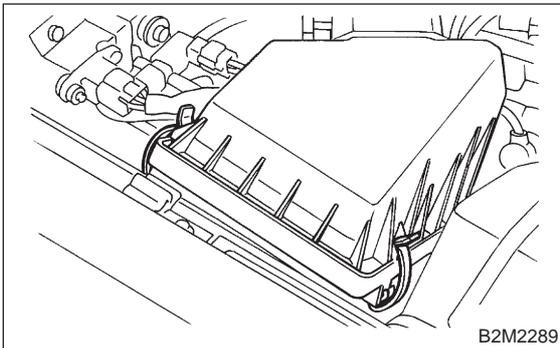
4. Intake Manifold

SERVICE PROCEDURE

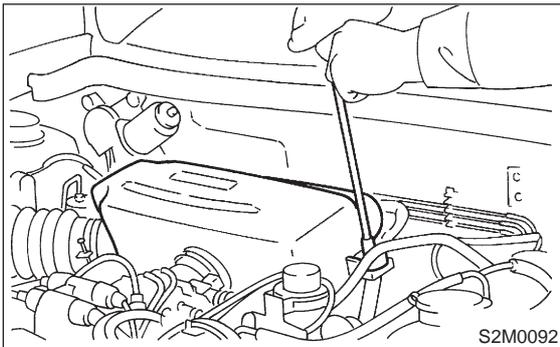
5) Loosen clamp which connects air intake chamber to throttle body.



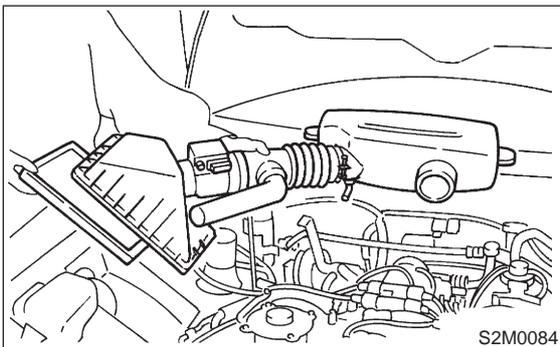
6) Remove two clips of air cleaner upper cover.



7) Remove bolts which install air intake chamber on stays.

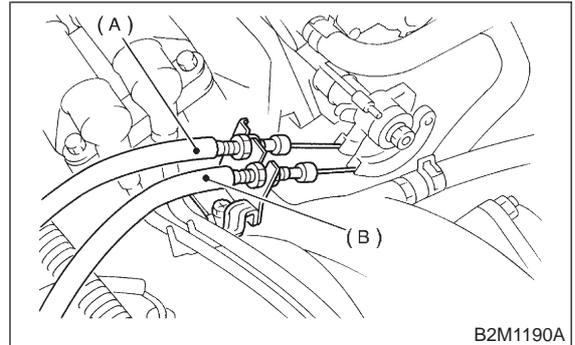


- 8) Disconnect blow-by hose from air intake duct.
9) Remove air intake duct, air cleaner upper cover and air intake chamber as a unit.
10) Remove air cleaner element.



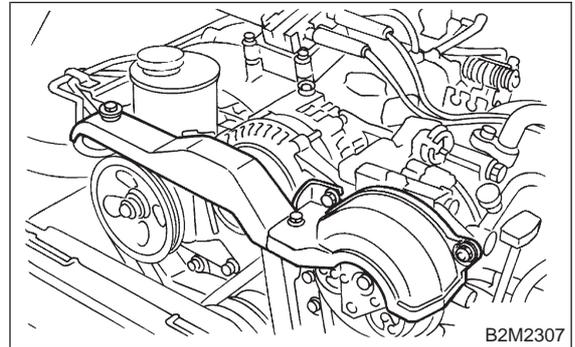
11) Disconnect accelerator cable (A).

12) Disconnect cruise control cable (B). (With cruise control model)

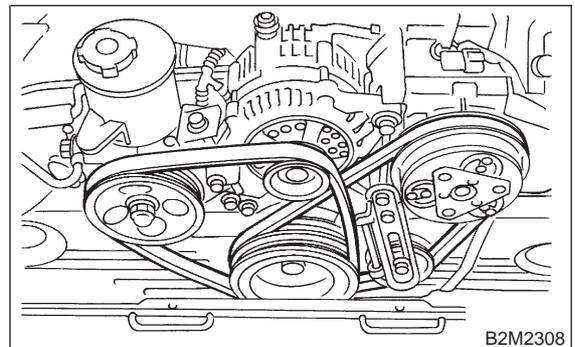


13) Remove power steering pump from bracket.

(1) Remove V-belt covers.



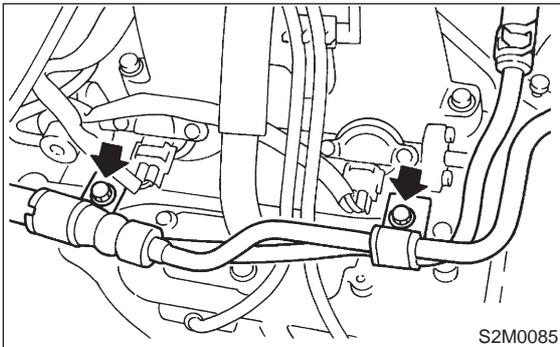
(2) Loosen lock bolt and slider bolt, and remove power steering pump drive V-belt.



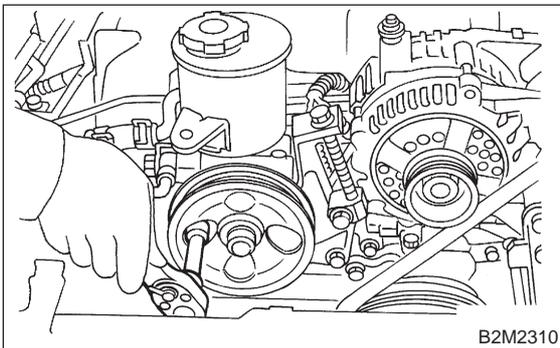
(3) Remove bolts which secure power steering pipe brackets to intake manifold.

NOTE:

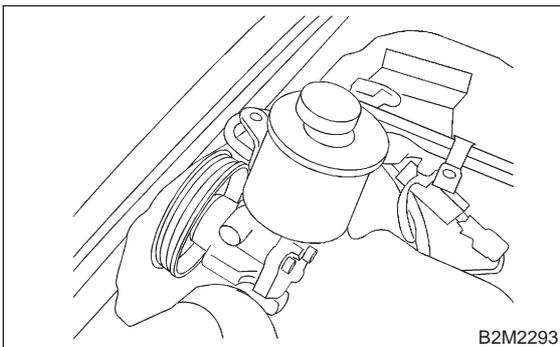
Do not disconnect power steering hose.



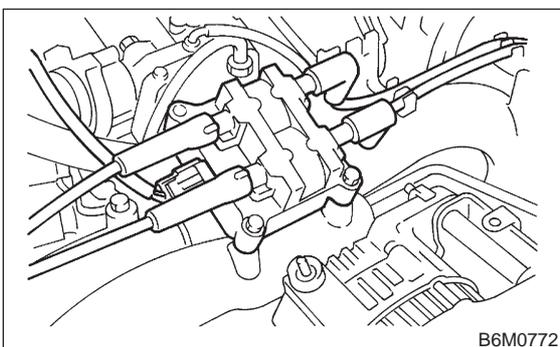
(4) Remove bolts which install power steering pump to bracket.



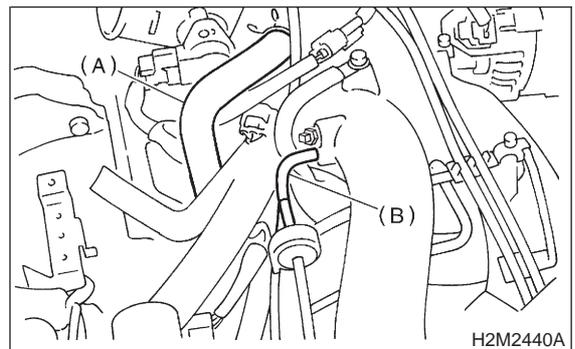
(5) Place power steering pump on the right side wheel apron.



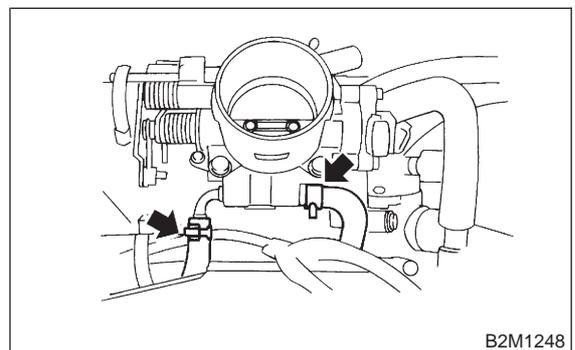
14) Disconnect spark plug cords from ignition coil.



15) Disconnect PCV hose (A) and vacuum hose (B) from intake manifold.

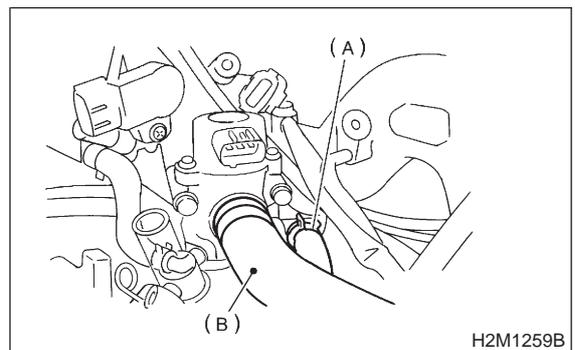


16) Disconnect engine coolant hose from throttle body.

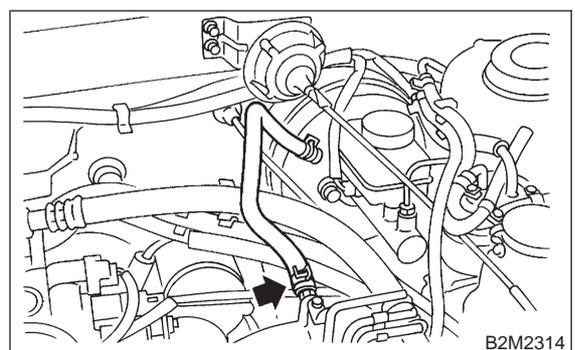


17) Disconnect engine coolant hose (A) from idle air control solenoid valve.

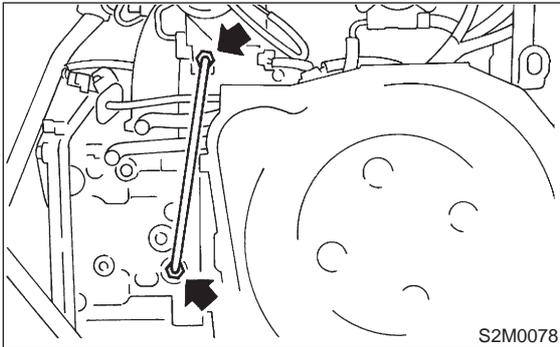
18) Disconnect air by-pass hose (B) from idle air control solenoid valve.



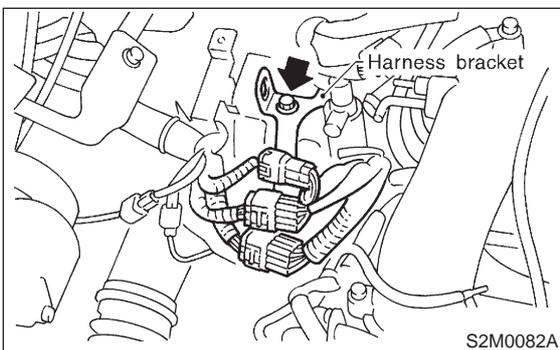
19) Disconnect brake booster hose.



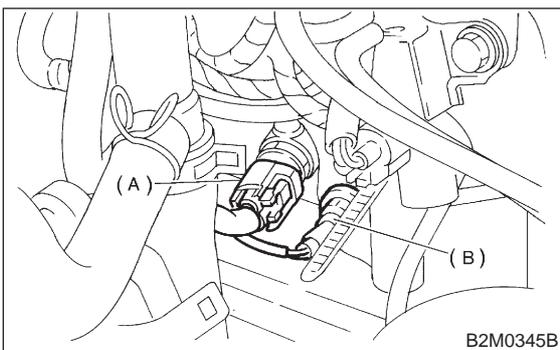
20) Remove EGR pipe.



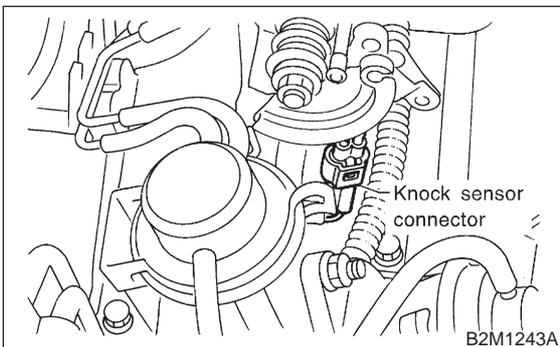
21) Remove engine harness bracket from transmission housing, and disconnect engine harness connectors from bulkhead harness connectors.



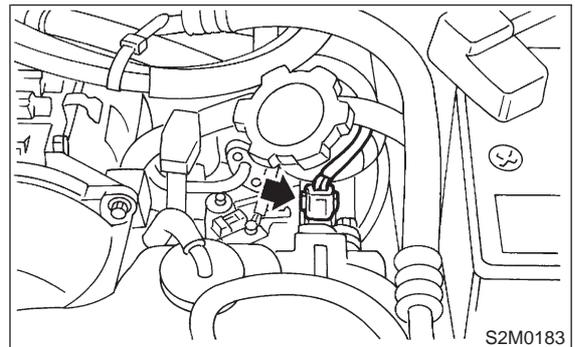
22) Disconnect connectors from engine coolant temperature sensor (A) and thermometer (B).



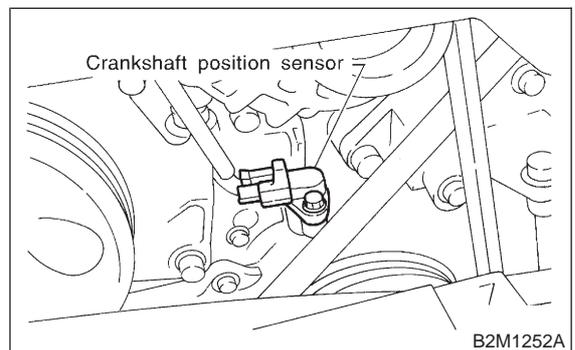
23) Disconnect knock sensor connector.



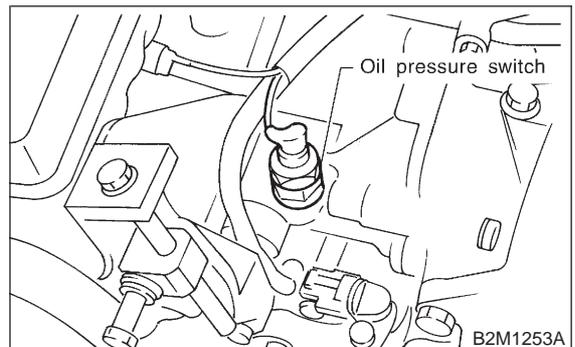
24) Disconnect connector from camshaft position sensor.



25) Disconnect connector from crankshaft position sensor.

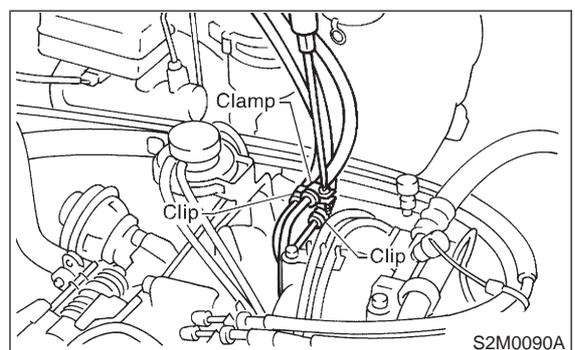


26) Disconnect connector from oil pressure switch.

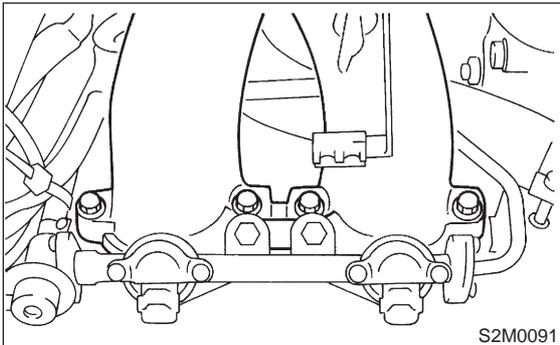


27) Disconnect fuel hoses from fuel pipes.

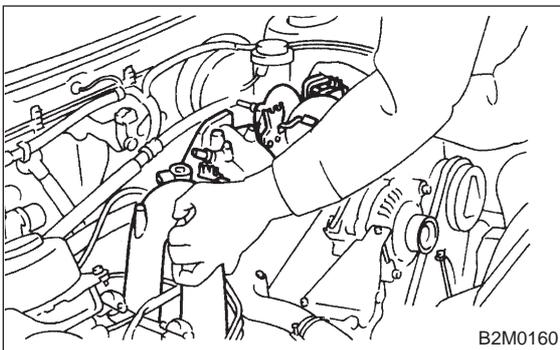
WARNING:
Catch fuel from hoses in a container.



28) Remove bolts which hold intake manifold onto cylinder heads.



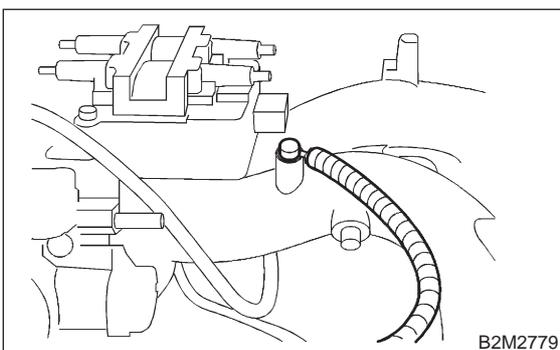
29) Remove intake manifold.



B: DISASSEMBLY

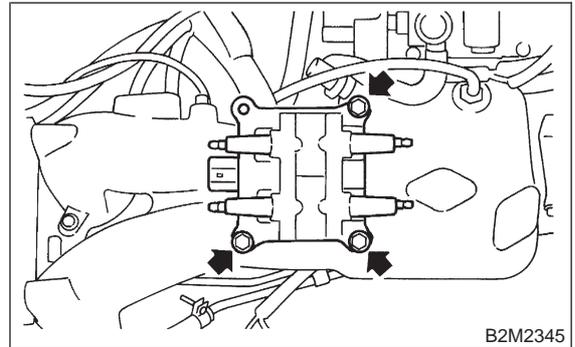
1. 2200 cc CALIFORNIA SPEC. VEHICLES

1) Disconnect engine ground terminal from intake manifold.



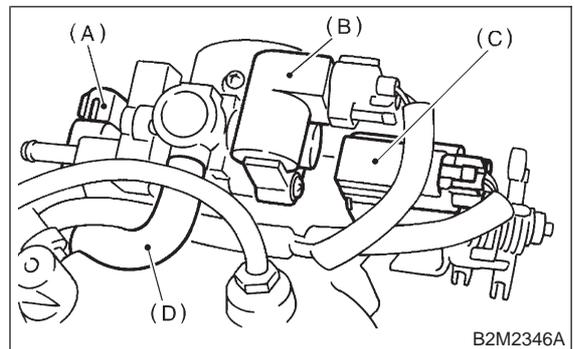
2) Disconnect connector from ignition coil and ignitor assembly.

3) Remove ignition coil and ignitor assembly.

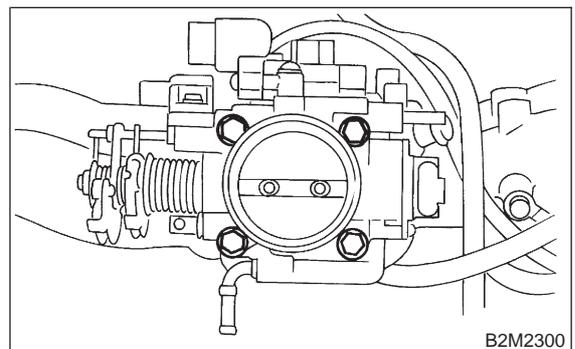


4) Disconnect connectors from throttle position sensor (A), idle air control solenoid valve (B) and intake manifold pressure sensor (C).

5) Disconnect air by-pass hose (D) from idle air control solenoid valve.



6) Remove throttle body.



7) Disconnect connectors from fuel injectors, and purge control solenoid valve.

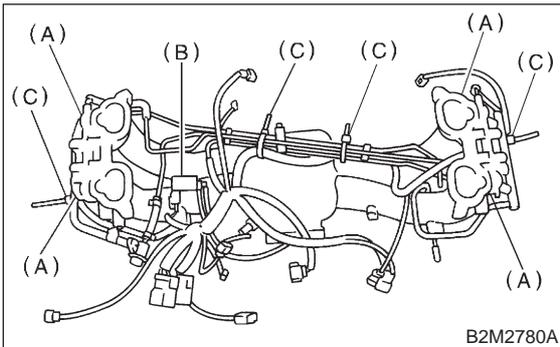
2-7 [W4B1]

4. Intake Manifold

SERVICE PROCEDURE

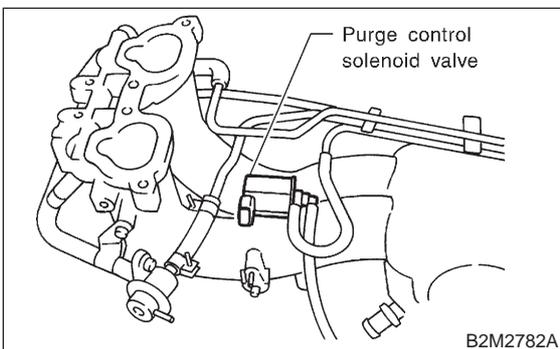
8) Remove harness bands which hold engine harness onto intake manifold.

9) Remove engine harness from intake manifold.

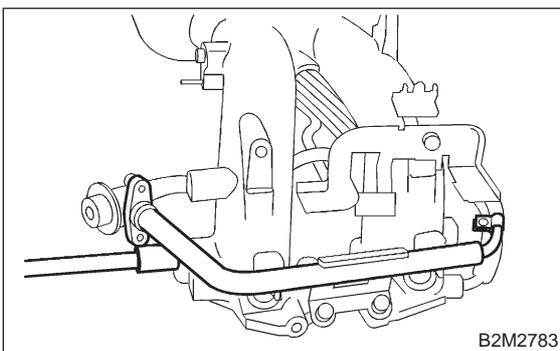


- (A) Fuel injector
- (B) Purge control solenoid valve
- (C) Harness band

10) Remove purge control solenoid valve.



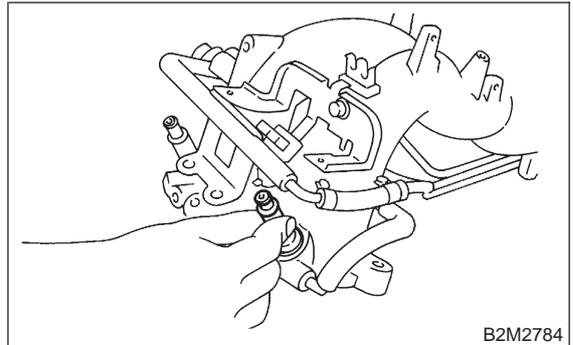
11) Remove bolts which install injector pipe on intake manifold.



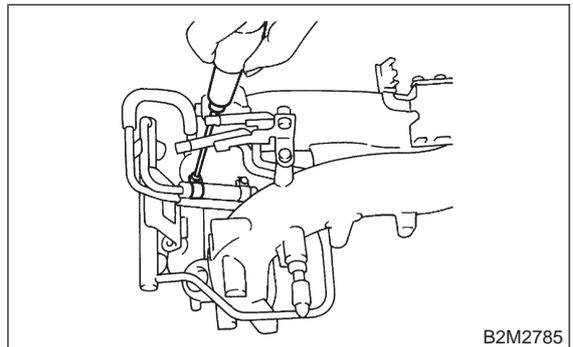
12) Remove fuel injectors.

CAUTION:

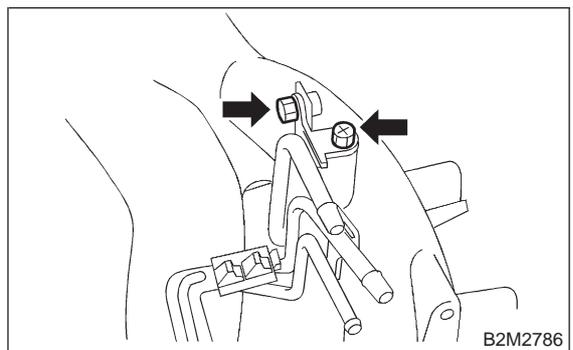
Replace o-rings and insulators with new ones.



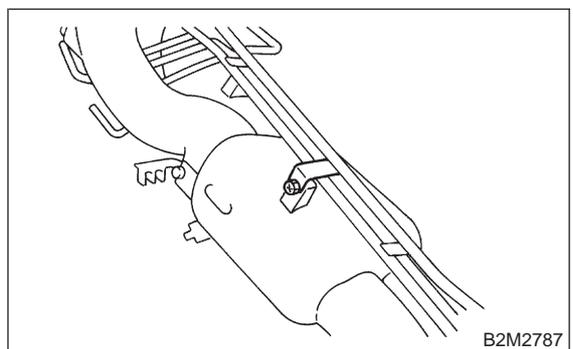
13) Loosen clamp which holds front left side fuel hose to injector pipe.



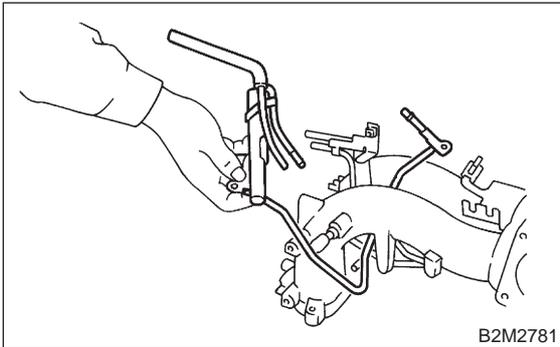
14) Remove bolts which hold fuel pipes on the left side of intake manifold.



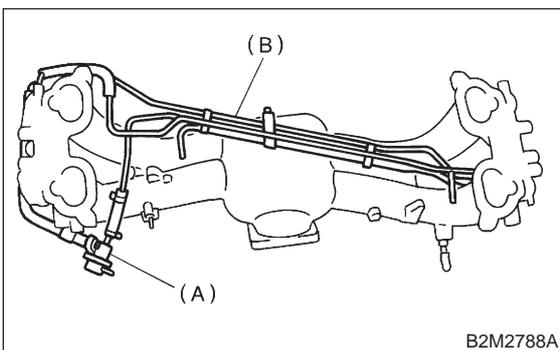
15) Remove two bolts which install fuel pipes on intake manifold.



16) Remove fuel injector pipe.



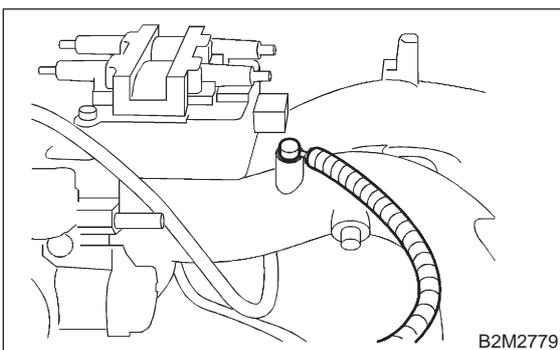
17) Remove fuel pipes, etc. from intake manifold.



- (A) Pressure regulator
- (B) Fuel pipe ASSY

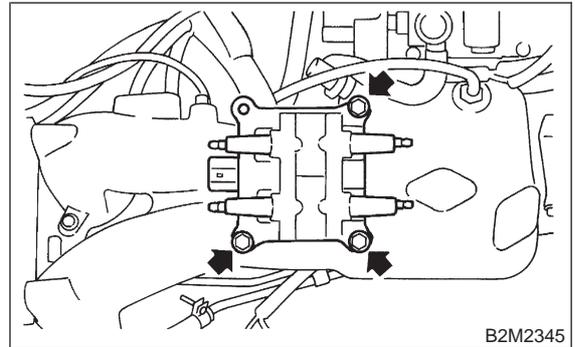
2. 2200 cc EXCEPT CALIFORNIA SPEC. VEHICLES

1) Remove engine ground terminal from intake manifold.

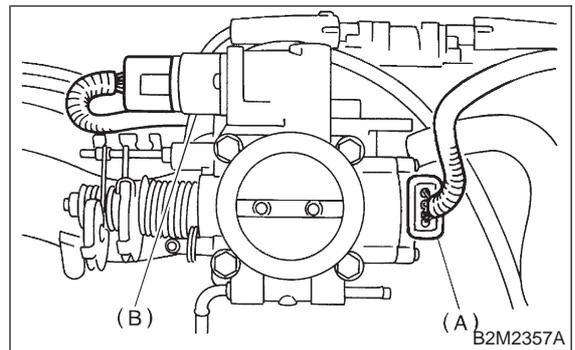


2) Disconnect connector from ignition coil and ignitor assembly.

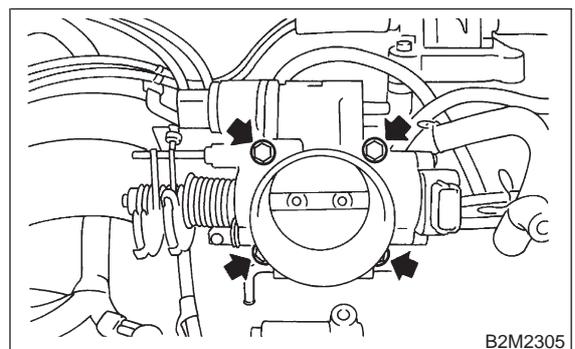
3) Remove ignition coil and ignitor assembly.



4) Disconnect connectors from throttle position sensor (A) and idle air control solenoid valve (B).



5) Remove throttle body.



6) Disconnect connectors from fuel injectors, and purge control solenoid valve.

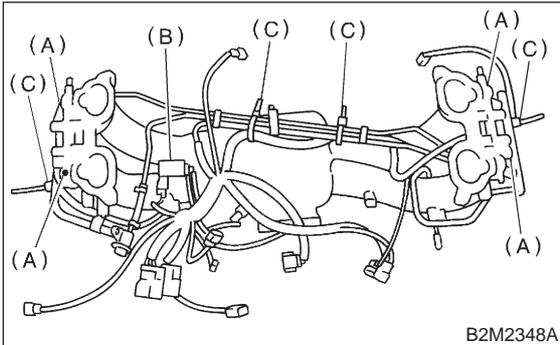
2-7 [W4B2]

4. Intake Manifold

SERVICE PROCEDURE

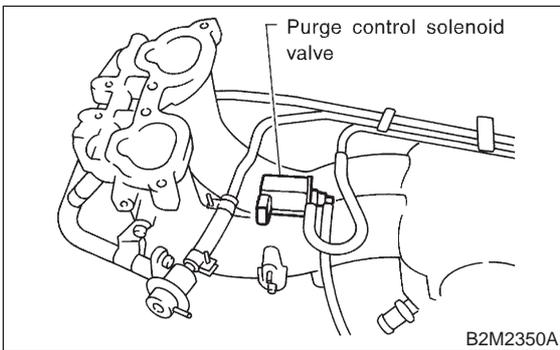
7) Remove harness bands which hold engine harness onto intake manifold.

8) Remove engine harness from intake manifold.

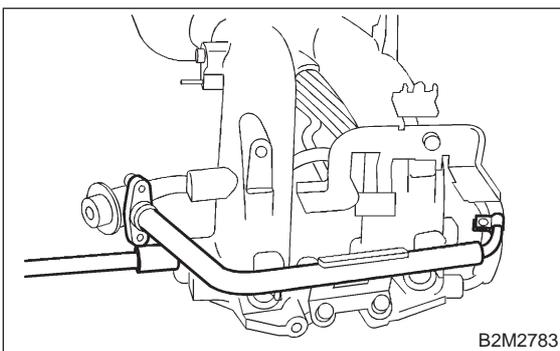


- (A) Fuel injector
- (B) Purge control solenoid valve
- (C) Harness band

9) Remove purge control solenoid valve.

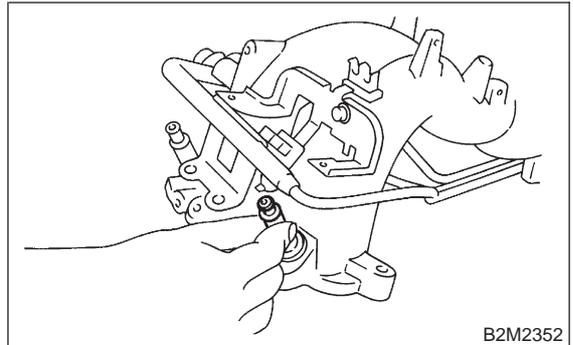


10) Remove bolts which install injector pipe on intake manifold.

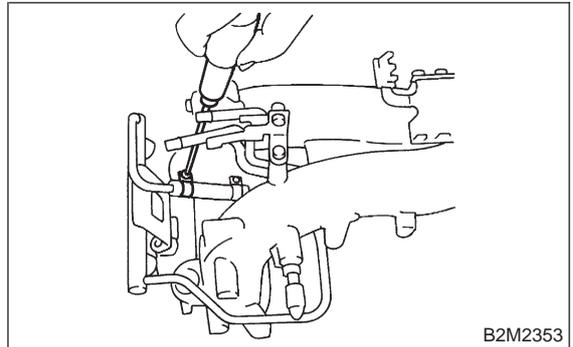


11) Remove fuel injectors.

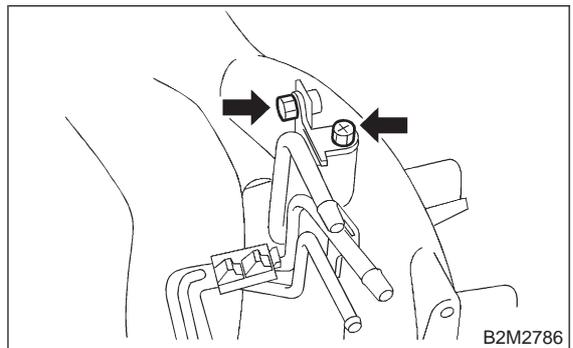
CAUTION:
Replace o-rings and insulators with new ones.



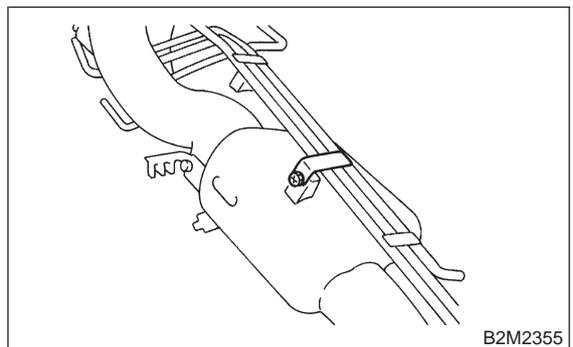
12) Loosen clamp which holds front left side fuel hose to injector pipe.



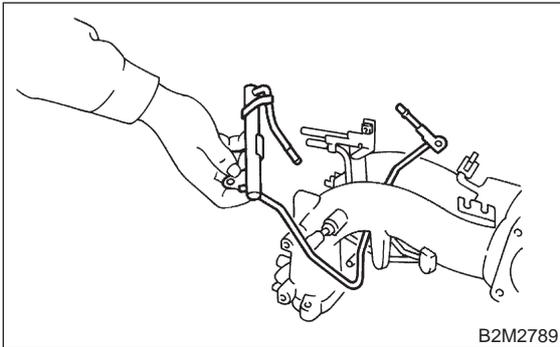
13) Remove bolts which hold fuel pipes on the left side of intake manifold.



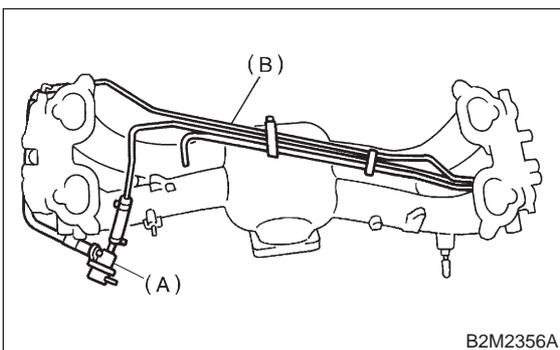
14) Remove two bolts which install fuel pipes on intake manifold.



15) Remove fuel injector pipe.



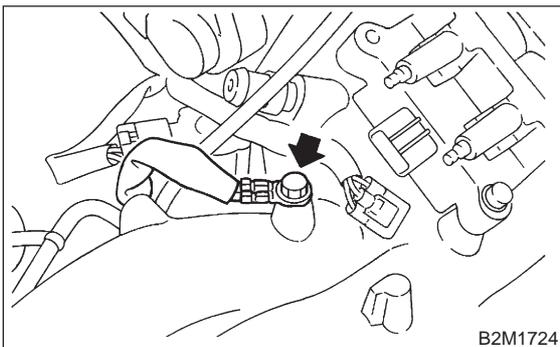
16) Remove fuel pipes, etc. from intake manifold.



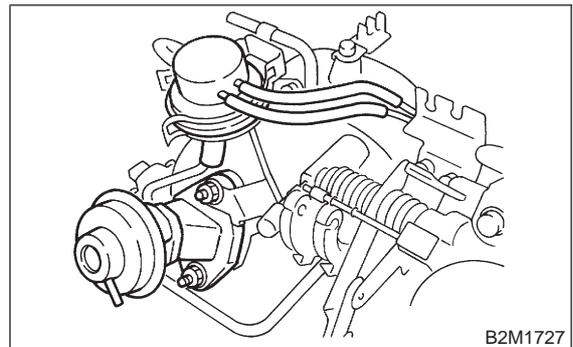
- (A) Pressure regulator
- (B) Fuel pipe ASSY

3. 2500 cc MODEL

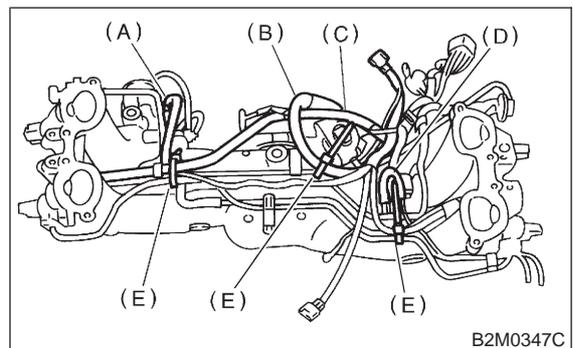
1) Disconnect engine ground terminal from intake manifold.



- 2) Disconnect EGR vacuum hose from EGR valve.
- 3) Disconnect back pressure hose from pipe.
- 4) Disconnect BPT hoses from EGR solenoid valve and intake manifold.
- 5) Remove BPT with BTP holder bracket.
- 6) Remove EGR valve.

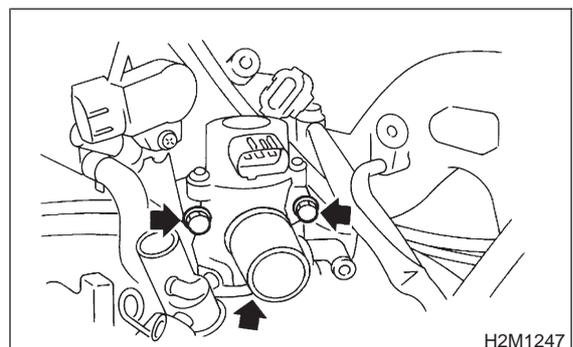


7) Disconnect connectors from throttle position sensor, ignition coil, fuel injectors, idle air control solenoid valve, purge control solenoid valve and EGR solenoid valve.

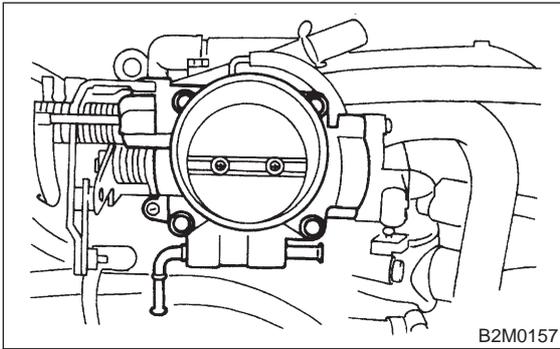


- (A) EGR solenoid valve
- (B) Throttle position sensor
- (C) Idle air control solenoid valve
- (D) Purge control solenoid valve
- (E) Harness band

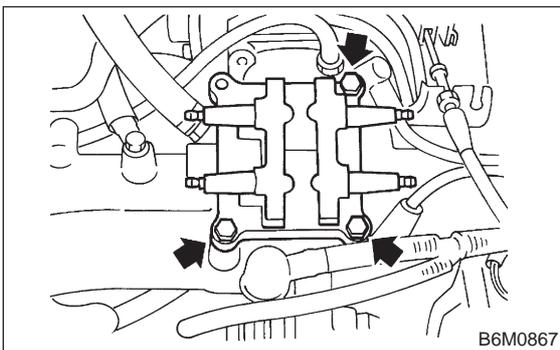
- 8) Remove engine harness from intake manifold.
- 9) Remove idle air control solenoid valve from intake manifold.



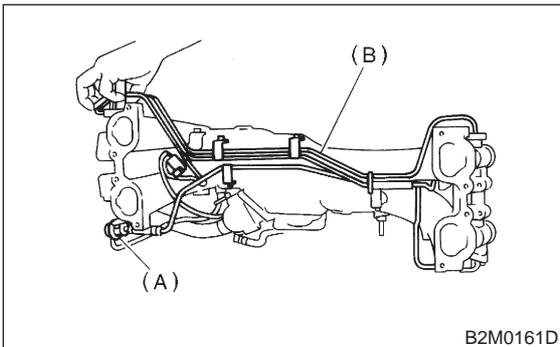
10) Remove throttle body from intake manifold.



11) Remove ignition coil.

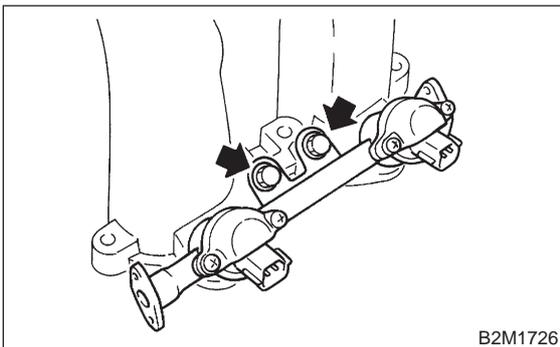


12) Remove fuel pipes, etc. from intake manifold.



- (A) Pressure regulator
- (B) Fuel pipe ASSY

13) Remove fuel injector pipes.

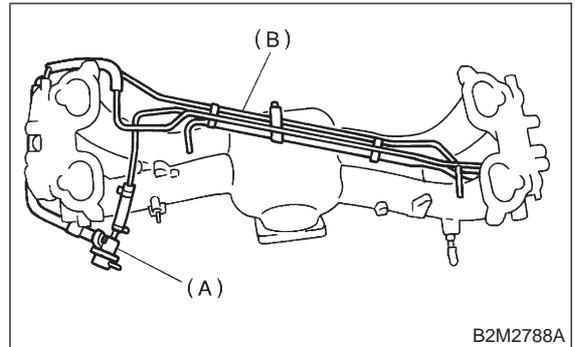


14) Remove EGR solenoid valve and purge control solenoid valve.

C: ASSEMBLY

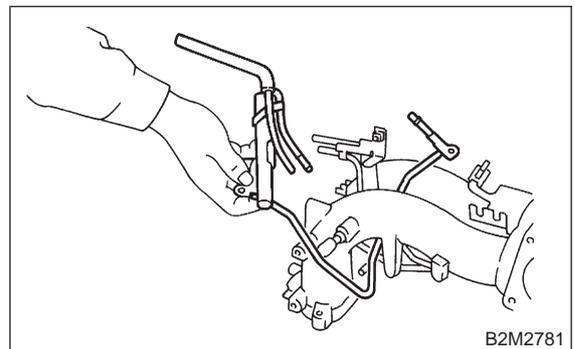
1. 2200 cc CALIFORNIA SPEC. VEHICLES

1) Assemble fuel pipes, etc. to intake manifold.

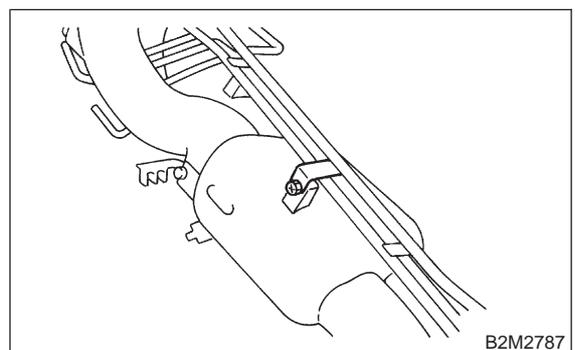


- (A) Pressure regulator
- (B) Fuel pipe ASSY

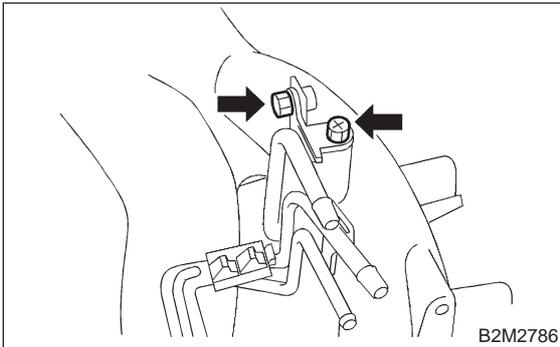
2) Install fuel injector pipe.



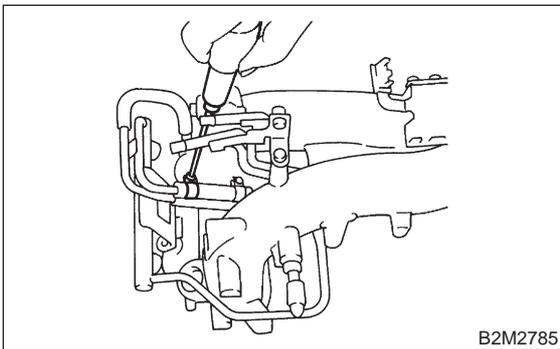
3) Tighten two bolts which install fuel pipes on intake manifold.



4) Tighten two bolts which install fuel pipes on the left side of intake manifold.

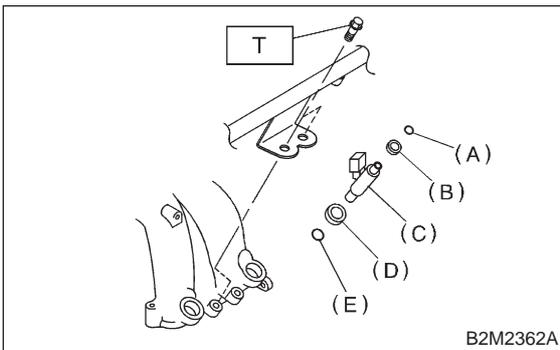


5) Connect left side fuel hose to injector pipe, and tighten clamp screw.



6) Install fuel injectors.

CAUTION:
Always use new o-rings and insulators.

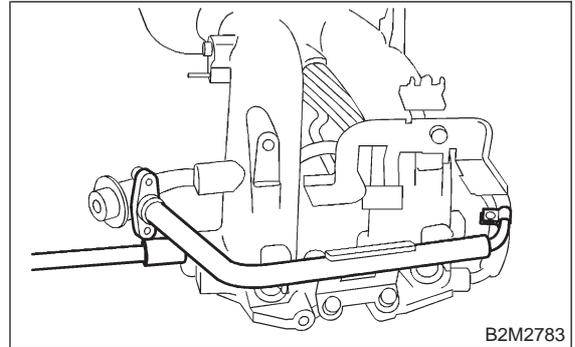


- (A) O-ring A
- (B) Insulator A
- (C) Fuel injector
- (D) Insulator B
- (E) O-ring B

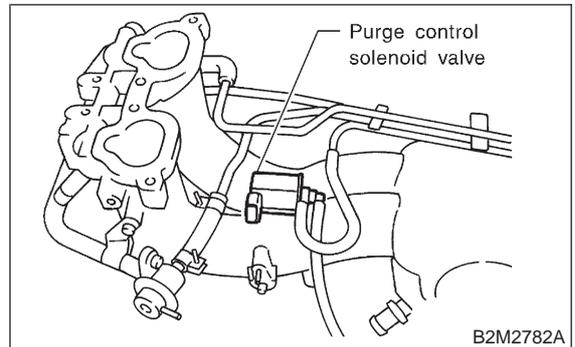
7) Tighten bolts which install injector pipe on intake manifold.

Tightening torque:

$3.4 \pm 0.5 \text{ N}\cdot\text{m}$ ($0.35 \pm 0.05 \text{ kg}\cdot\text{m}$, $2.5 \pm 0.4 \text{ ft}\cdot\text{lb}$)



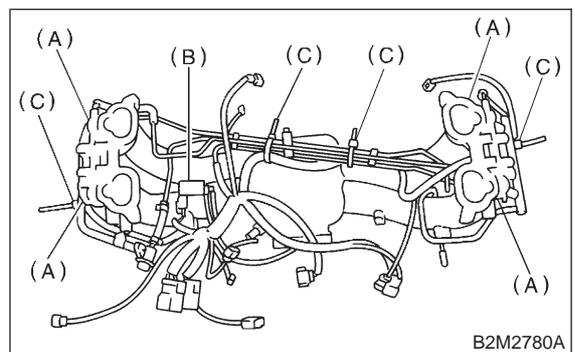
8) Install purge control solenoid valve.



9) Install engine harness onto intake manifold.

10) Connect connectors to fuel injectors and purge control solenoid valve.

11) Hold engine harness by harness bands.



- (A) Fuel injector
- (B) Purge control solenoid valve
- (C) Harness band

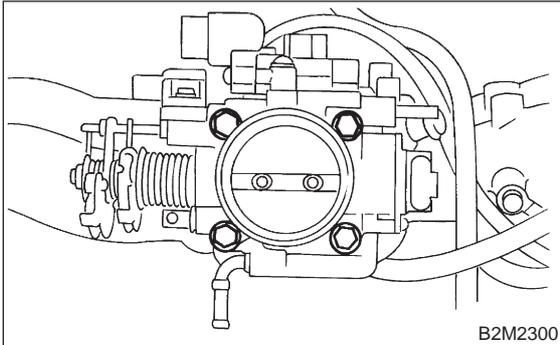
12) Assemble throttle body to intake manifold.

CAUTION:

Replace gasket with a new one.

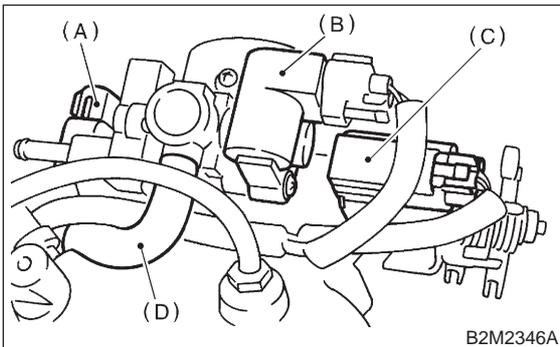
Tightening torque:

22±2 N·m (2.2±0.2 kg·m, 15.9±1.4 ft·lb)



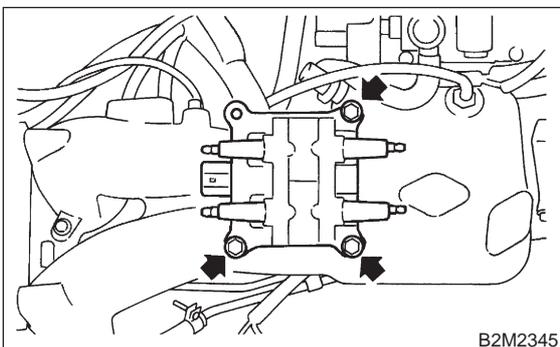
13) Connect connectors to throttle position sensor (A), idle air control solenoid valve (B) and intake manifold pressure sensor (C).

14) Connect air by-pass hose (D) to idle air control solenoid valve.



15) Install ignition coil and ignitor assembly.

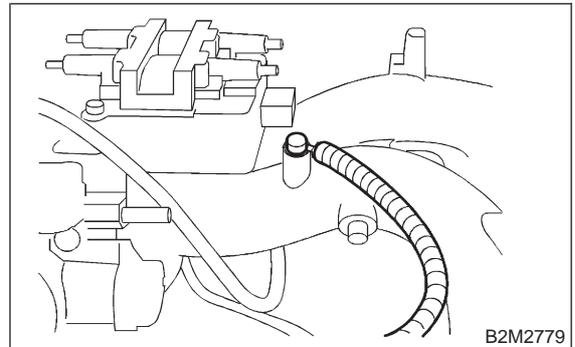
16) Connect connector to ignition coil and ignitor assembly.



17) Install engine ground terminal to intake manifold.

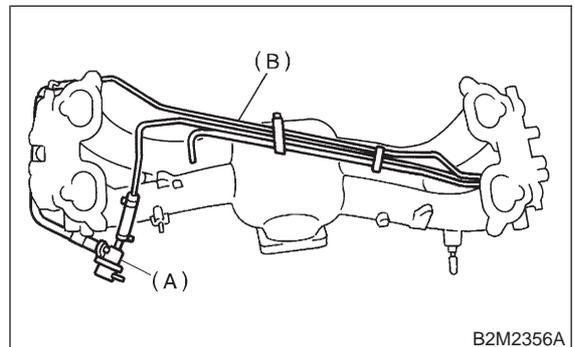
Tightening torque:

19±1.5 N·m (1.9±0.15 kg·m, 13.7±1.1 ft·lb)



2. 2200 cc EXCEPT CALIFORNIA SPEC. VEHICLES

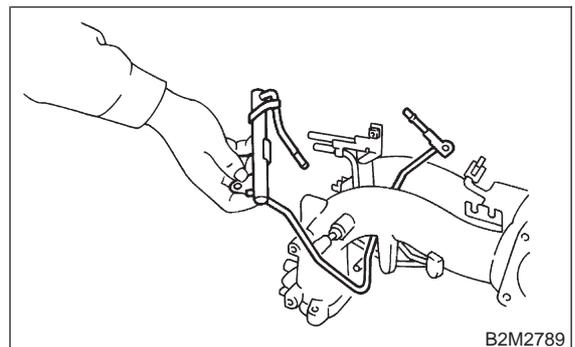
1) Assemble fuel pipes, etc. to intake manifold.



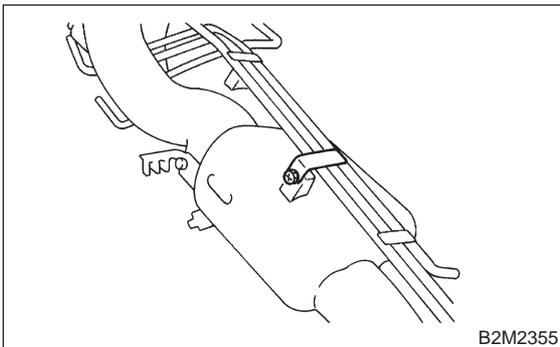
(A) Pressure regulator

(B) Fuel pipe ASSY

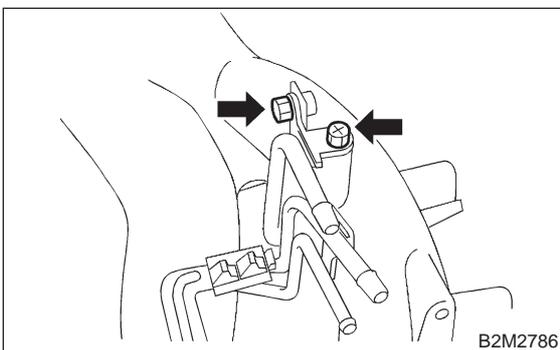
2) Install fuel injector pipe.



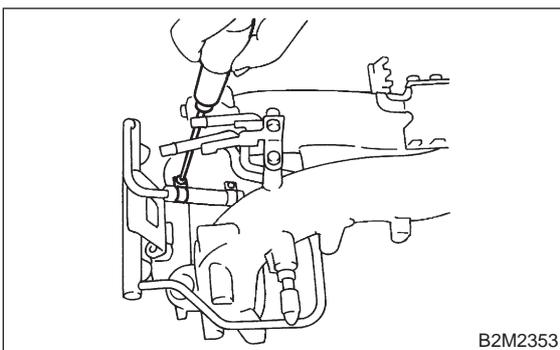
3) Tighten two bolts which install fuel pipes on intake manifold.



4) Tighten two bolts which install fuel pipes on the left side of intake manifold.

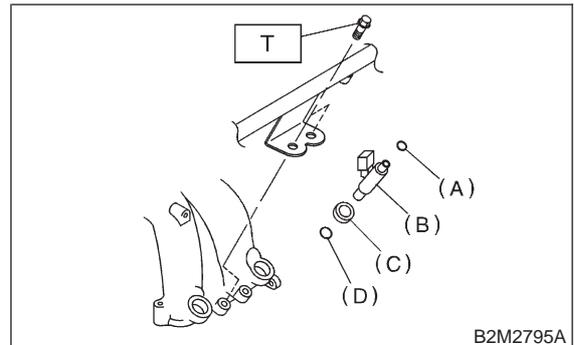


5) Connect left side fuel hose to injector pipe, and tighten clamp screw.



6) Install fuel injectors.

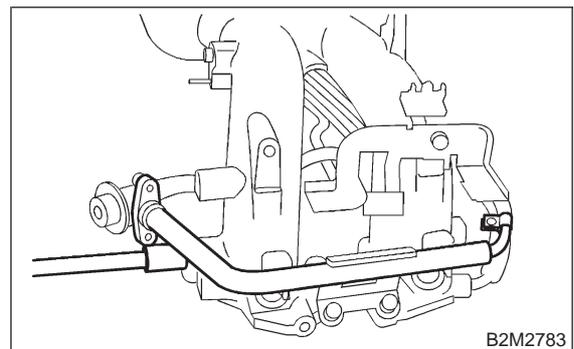
CAUTION:
Always use new o-rings and insulators.



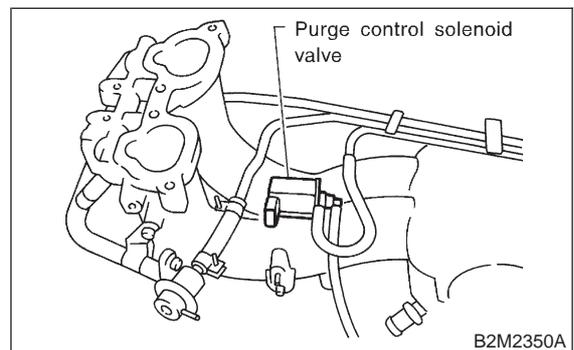
- (A) O-ring A
- (B) Fuel injector
- (C) Insulator
- (D) O-ring B

7) Tighten bolts which install injector pipe on intake manifold.

Tightening torque:
 $3.4 \pm 0.5 \text{ N}\cdot\text{m}$ ($0.35 \pm 0.05 \text{ kg}\cdot\text{m}$, $2.5 \pm 0.4 \text{ ft}\cdot\text{lb}$)



8) Install purge control solenoid valve.



9) Install engine harness onto intake manifold.

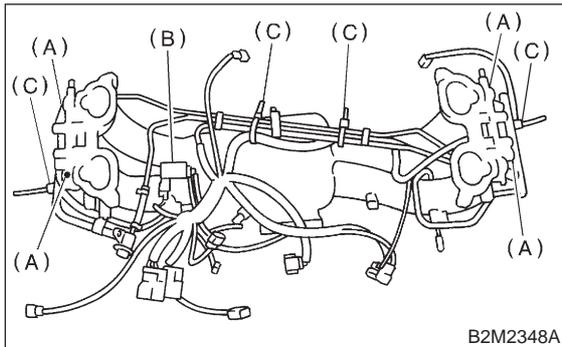
2-7 [W4C3]

4. Intake Manifold

SERVICE PROCEDURE

10) Connect connectors to fuel injectors and purge control solenoid valve.

11) Hold engine harness by harness bands.



- (A) Fuel injector
- (B) Purge control solenoid valve
- (C) Harness band

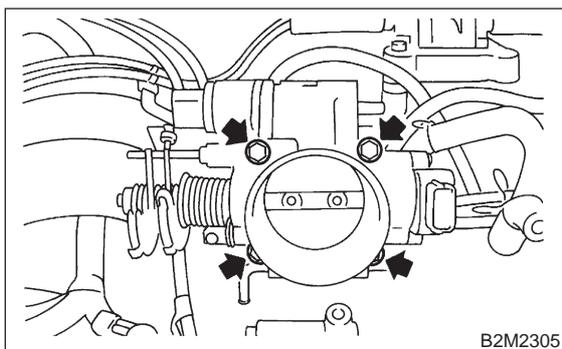
12) Assemble throttle body to intake manifold.

CAUTION:

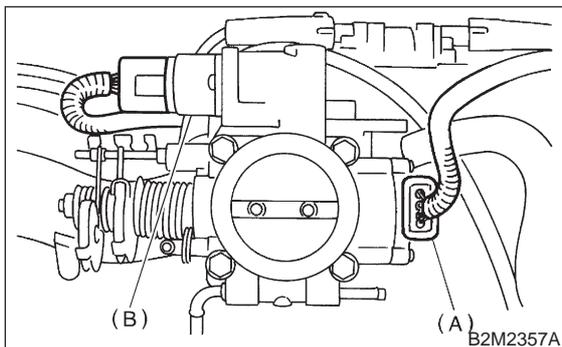
Replace gasket with a new one.

Tightening torque:

22 ± 2 N·m (2.2 ± 0.2 kg·m, 15.9 ± 1.4 ft·lb)

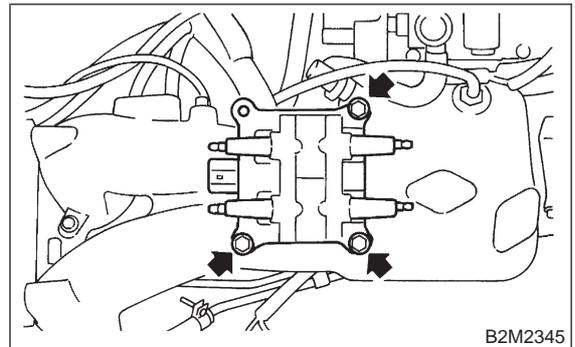


13) Connect connectors to throttle position sensor (A) and idle air control solenoid valve (B).



14) Install ignition coil and ignitor assembly.

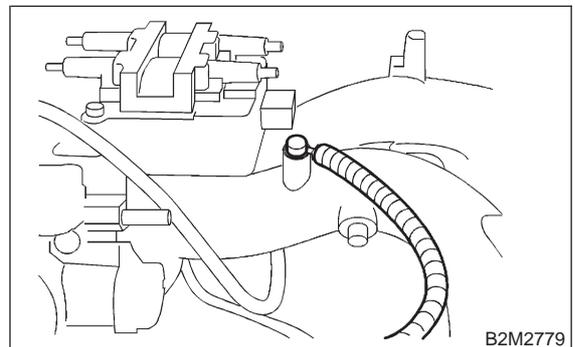
15) Connect connector to ignition coil and ignitor assembly.



16) Install engine ground terminal to intake manifold.

Tightening torque:

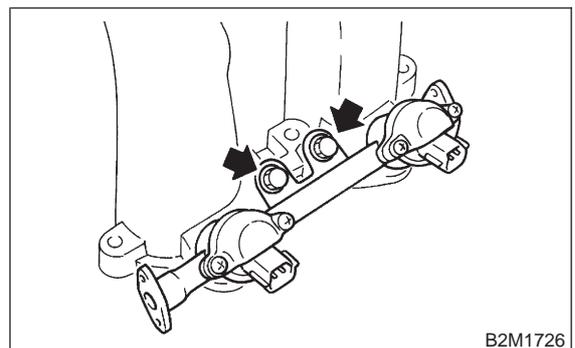
19 ± 1.5 N·m (1.9 ± 0.15 kg·m, 13.7 ± 1.1 ft·lb)



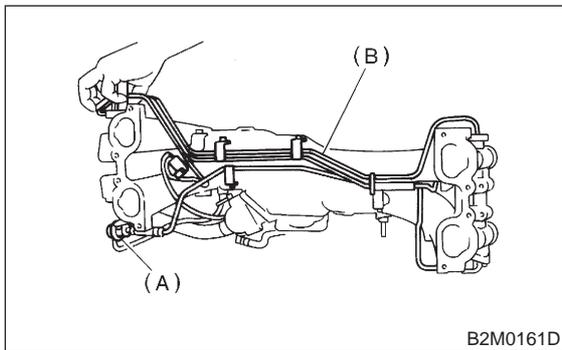
3. 2500 cc MODEL

1) Install EGR solenoid valve and purge control solenoid valve.

2) Install fuel injector pipes.

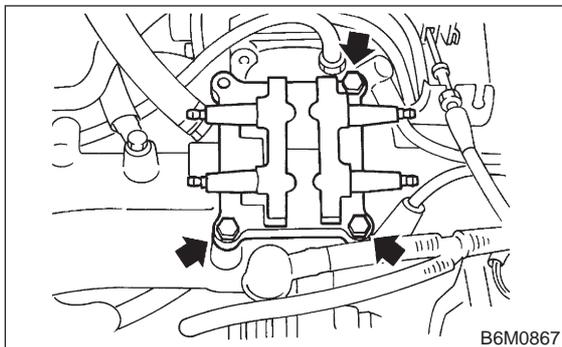


3) Assemble fuel pipes, etc. to intake manifold.



- (A) Pressure regulator
- (B) Fuel pipe ASSY

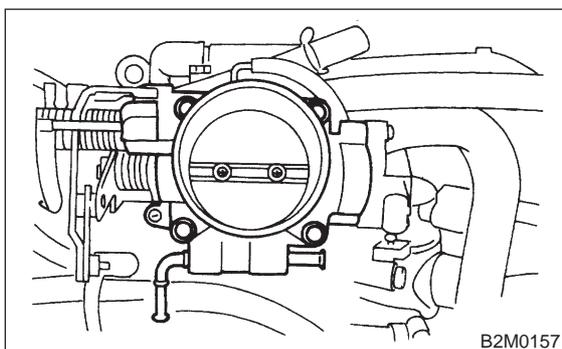
4) Install ignition coil.



5) Assemble throttle body to intake manifold.

CAUTION:
Replace gasket with a new one.

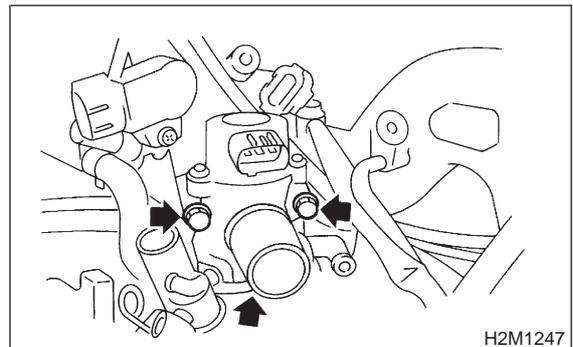
Tightening torque:
 $22 \pm 2 \text{ N}\cdot\text{m}$ ($2.2 \pm 0.2 \text{ kg}\cdot\text{m}$, $15.9 \pm 1.4 \text{ ft}\cdot\text{lb}$)



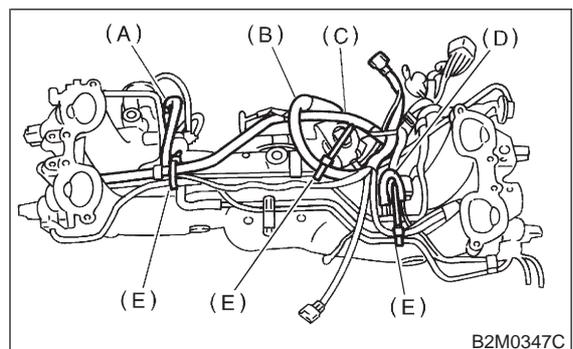
6) Install idle air control solenoid valve to intake manifold.

CAUTION:
Replace gasket with a new one.

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) Install engine harness onto intake manifold.
8) Connect connectors to throttle position sensor, ignition coil, fuel injectors, idle air control solenoid valve, purge control solenoid valve and EGR solenoid valve.



- (A) EGR solenoid valve
- (B) Throttle position sensor
- (C) Idle air control solenoid valve
- (D) Purge control solenoid valve
- (E) Harness band

9) Install EGR valve.

CAUTION:
Replace gasket with a new one.

Tightening torque:
 $19 \pm 1.5 \text{ N}\cdot\text{m}$ ($1.9 \pm 0.15 \text{ kg}\cdot\text{m}$, $13.7 \pm 1.1 \text{ ft}\cdot\text{lb}$)

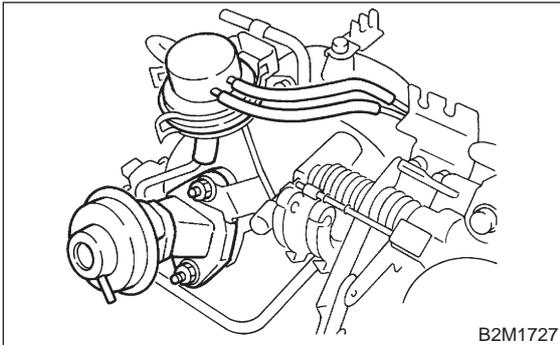
10) Install BPT with BPT holder bracket.

2-7 [W4D1]

4. Intake Manifold

SERVICE PROCEDURE

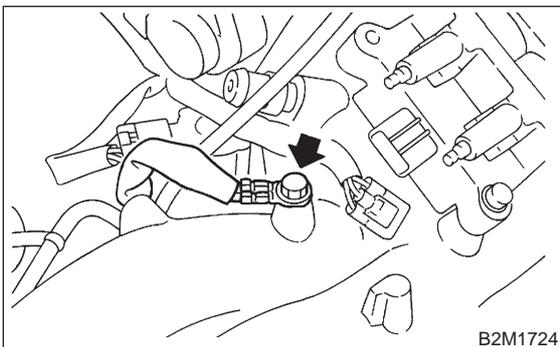
- 11) Connect BPT hoses from EGR solenoid valve and intake manifold.
- 12) Connect back pressure hose from pipe.
- 13) Connect EGR vacuum hose from EGR valve.



- 14) Connect engine ground terminal to intake manifold.

Tightening torque:

19 ± 1.5 N·m (1.9 ± 0.15 kg·m, 13.7 ± 1.1 ft·lb)



D: INSTALLATION

1. 2200 cc CALIFORNIA SPEC. VEHICLES

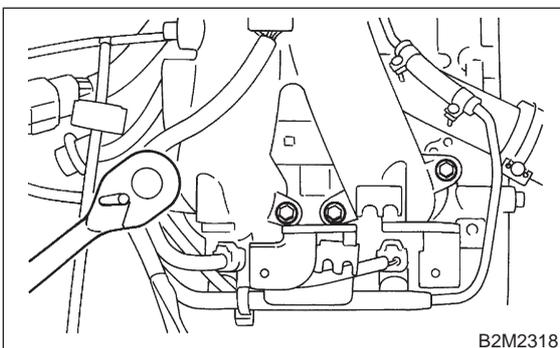
- 1) Install intake manifold onto cylinder heads.

CAUTION:

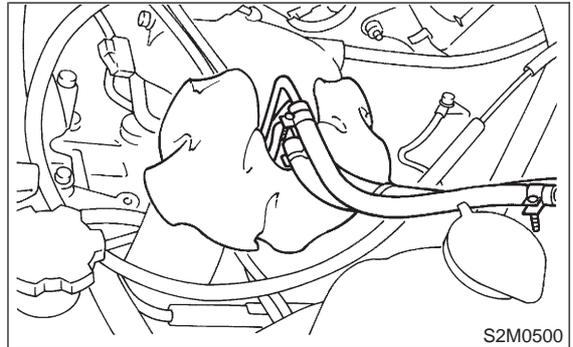
Always use new gaskets.

Tightening torque:

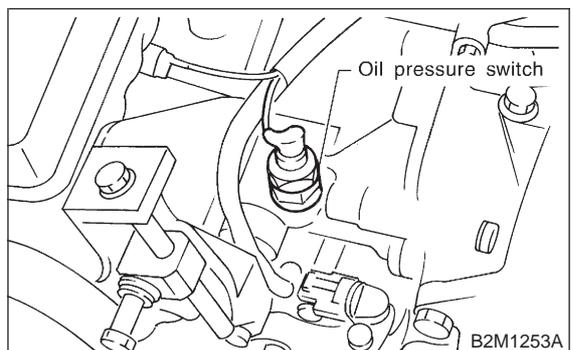
25 ± 2 N·m (2.5 ± 0.2 kg·m, 18.1 ± 1.4 ft·lb)



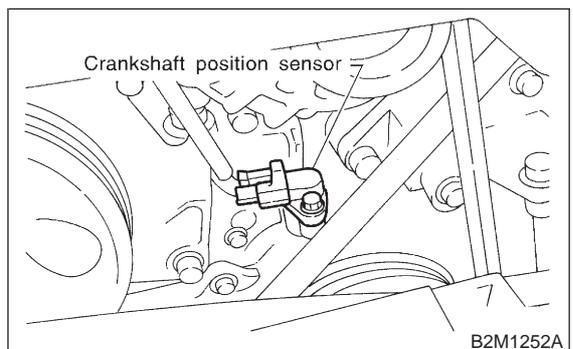
- 2) Connect fuel hoses.



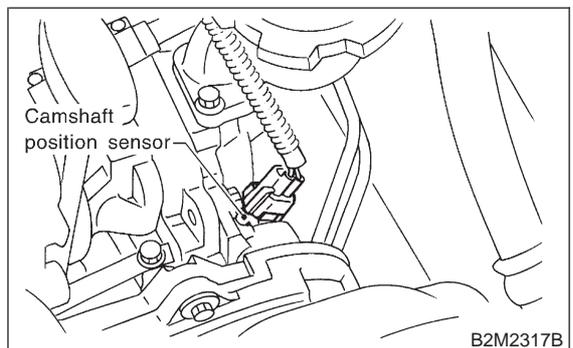
- 3) Connect connector to oil pressure switch.



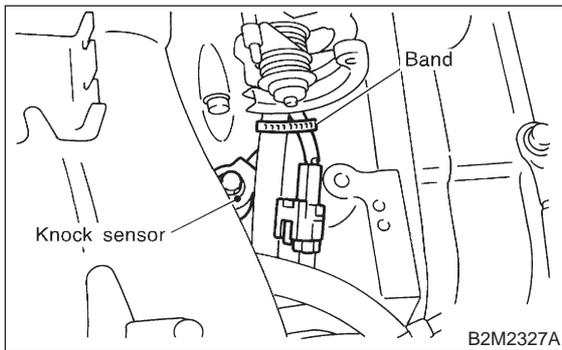
- 4) Connect connector to crankshaft position sensor.



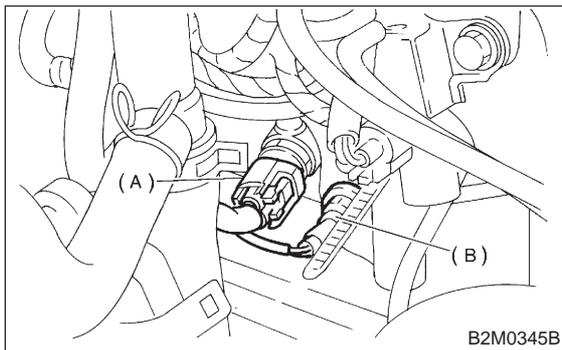
- 5) Connect connector to camshaft position sensor.



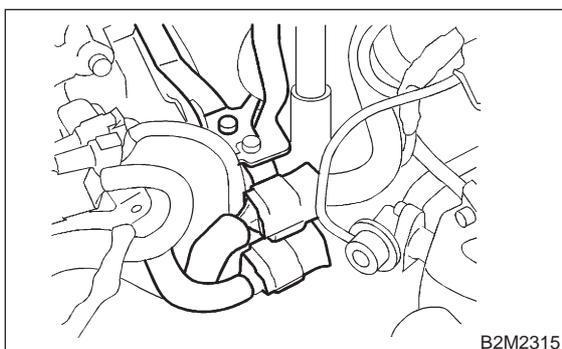
6) Connect knock sensor connector.



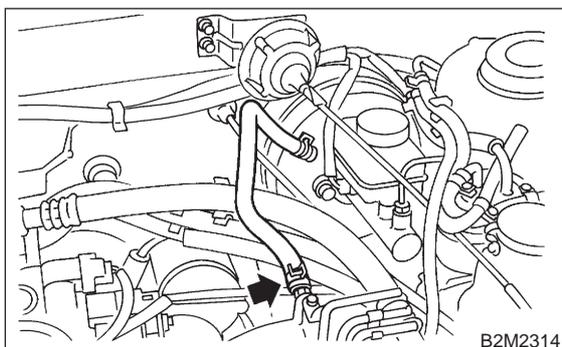
7) Connect connectors to engine coolant temperature sensor (A) and thermometer (B).



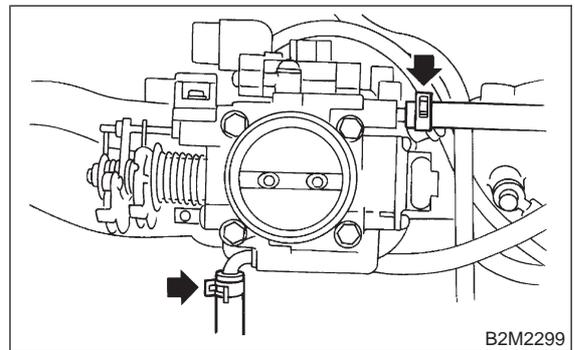
8) Hold engine harness connector onto bracket.
9) Install air cleaner case stay RH and engine harness bracket, and connect engine harness connectors to bulkhead connectors.



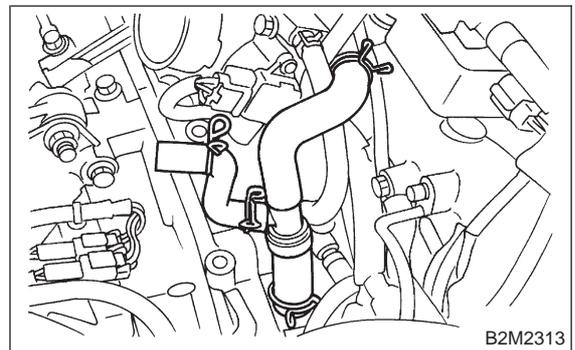
10) Connect brake booster hose.



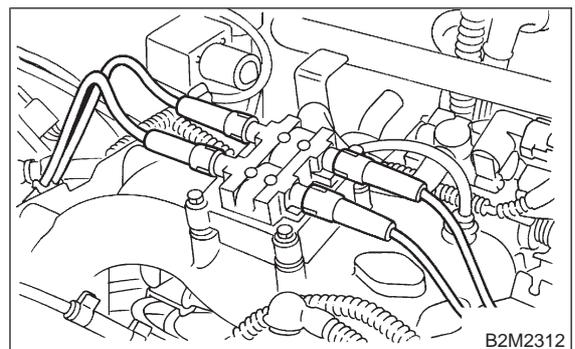
11) Connect engine coolant hose to throttle body.



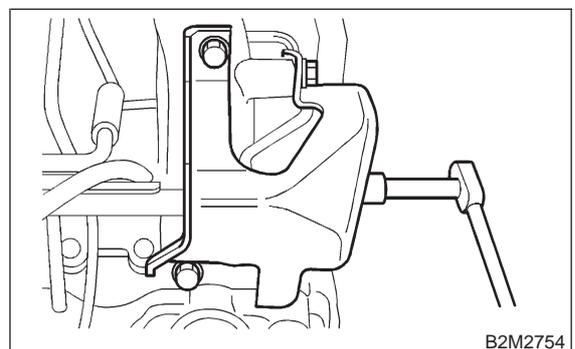
12) Connect PCV hose (A) and pressure regulator vacuum hose (B) to intake manifold.



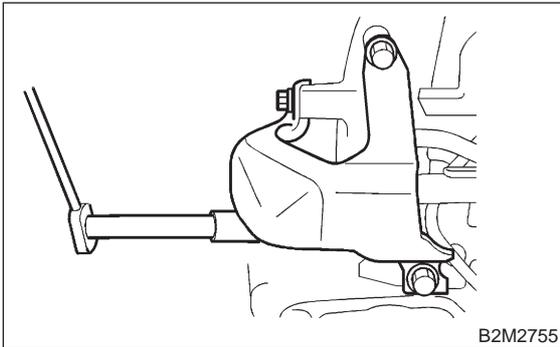
13) Connect spark plug cords to ignition coil and ignitor assembly.



14) Install fuel protector LH. (LHD model only)



15) Install fuel protector RH. (RHD model only)

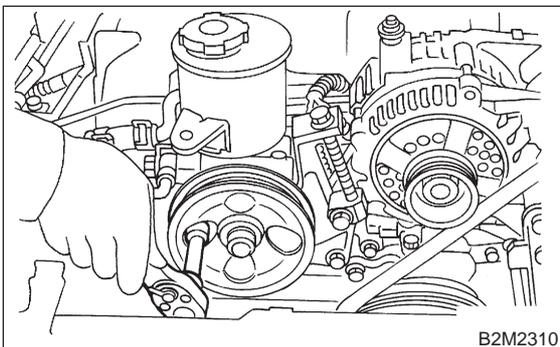


B2M2755

16) Install power steering pump on bracket.
 (1) Tighten bolts which install power steering pump on bracket.

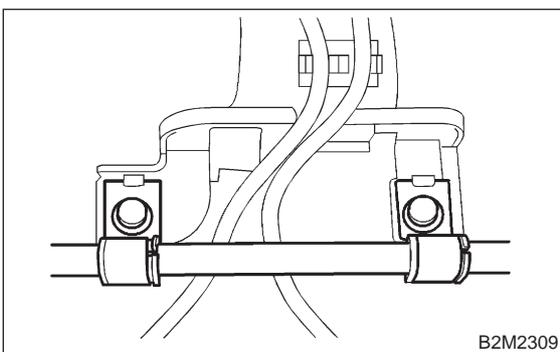
Tightening torque:

20.1±2.5 N·m (2.05±0.25 kg·m, 14.8±1.8 ft·lb)



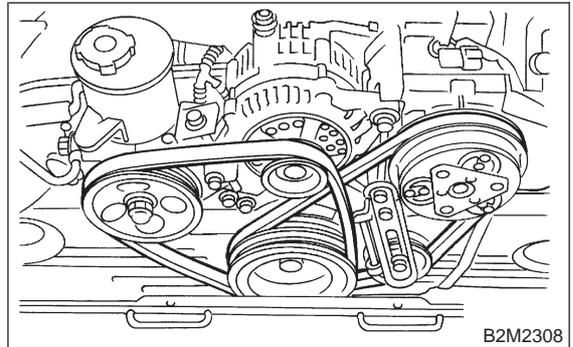
B2M2310

(2) Install power steering pipe brackets on the right side of intake manifold.



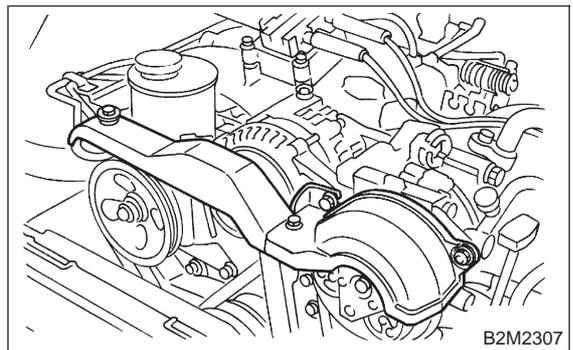
B2M2309

(3) Install power steering pump drive V-belt.



B2M2308

(4) Adjust V-belt. <Ref. to 1-5 [G2B0].>
 (5) Install V-belt covers.

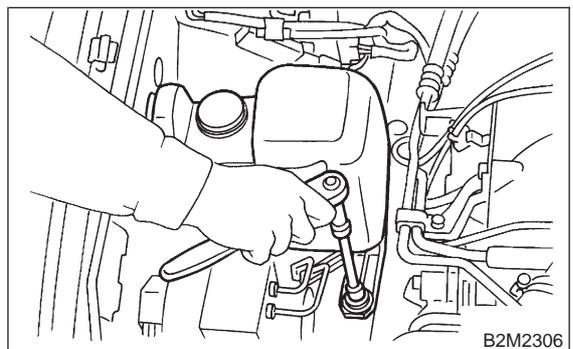


B2M2307

(6) Install resonator chamber.

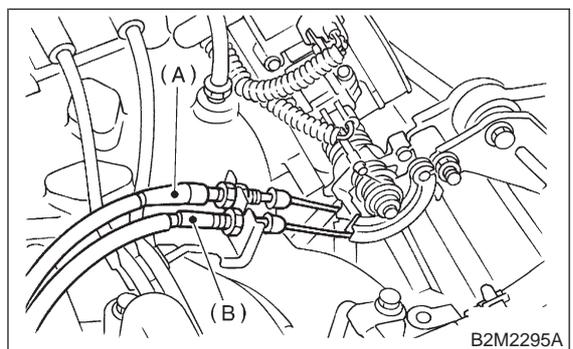
Tightening torque:

7.4±2.0 N·m (0.75±0.2 kg·m, 5.4±1.4 ft·lb)



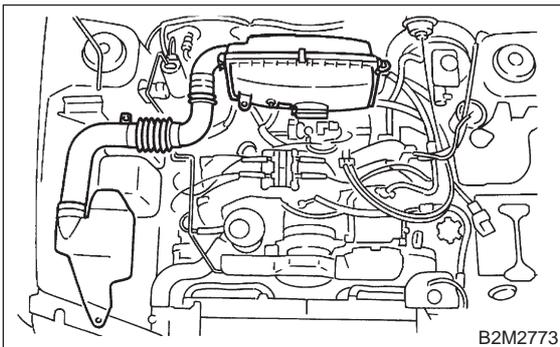
B2M2306

17) Connect accelerator cable (A).
 18) Connect cruise control cable (B). (With cruise control models)



B2M2295A

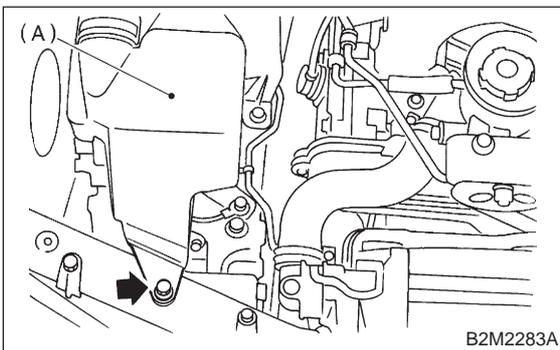
19) Install air cleaner case and air intake duct as a unit.



20) Tighten bolt which installs air intake duct (A) on the front side of body.

Tightening torque:

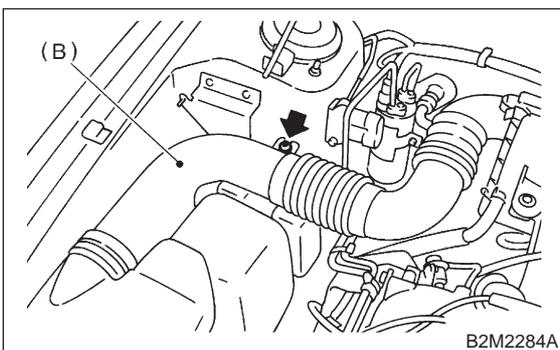
$7.4 \pm 2.0 \text{ N-m}$ ($0.75 \pm 0.2 \text{ kg-m}$, $5.4 \pm 1.4 \text{ ft-lb}$)



21) Tighten bolt which installs air intake duct (B) on body.

Tightening torque:

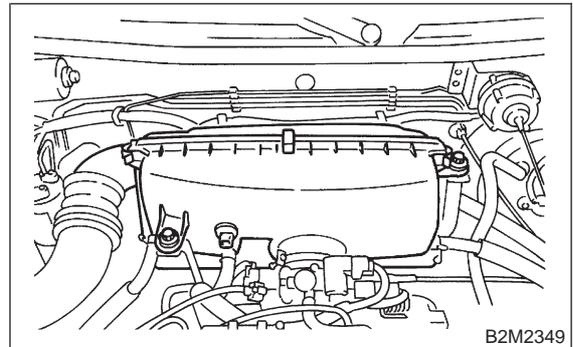
$7.4 \pm 2.0 \text{ N-m}$ ($0.75 \pm 0.2 \text{ kg-m}$, $5.4 \pm 1.4 \text{ ft-lb}$)



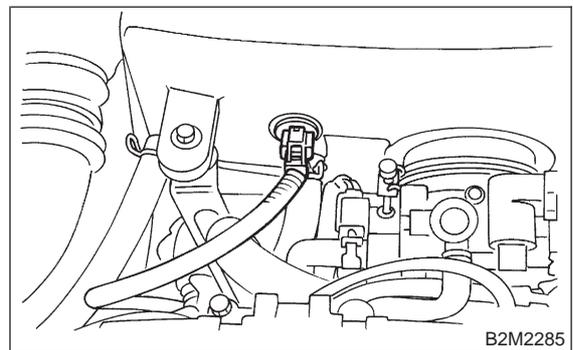
22) Tighten bolts which install air cleaner case to stays.

Tightening torque:

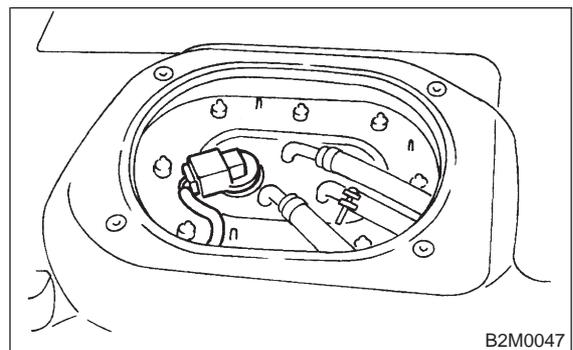
$4.9 \pm 0.5 \text{ N-m}$ ($0.5 \pm 0.05 \text{ kg-m}$, $3.6 \pm 0.4 \text{ ft-lb}$)



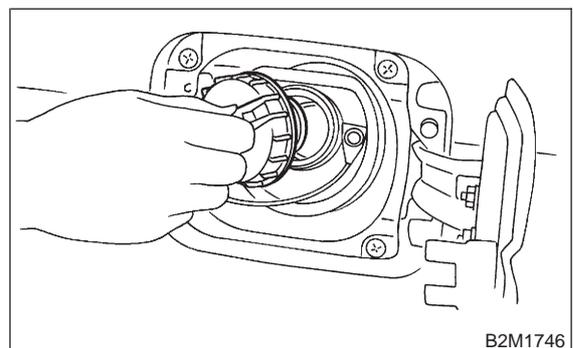
23) Connect connector to intake air temperature sensor.



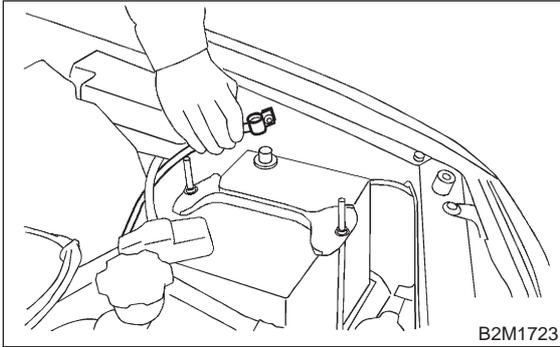
24) Connect connector to fuel pump.



25) Install fuel filler cap.



26) Connect battery ground cable.

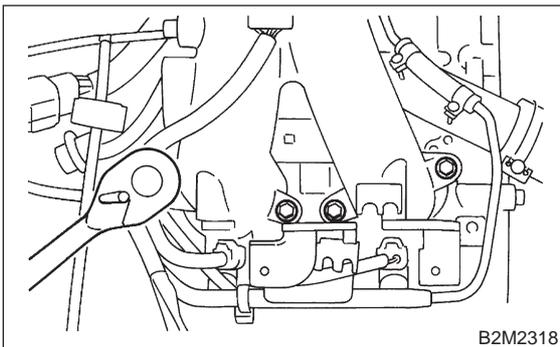


2. 2200 cc EXCEPT CALIFORNIA SPEC. VEHICLES

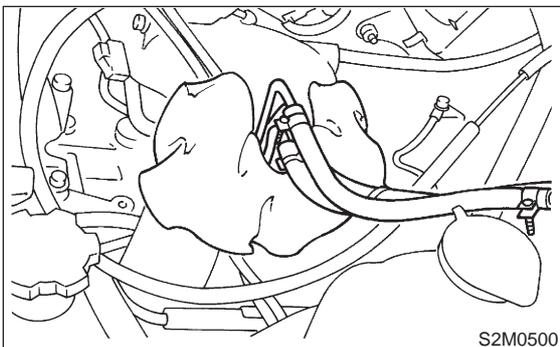
1) Install intake manifold onto cylinder heads.

CAUTION:
Always use new gaskets.

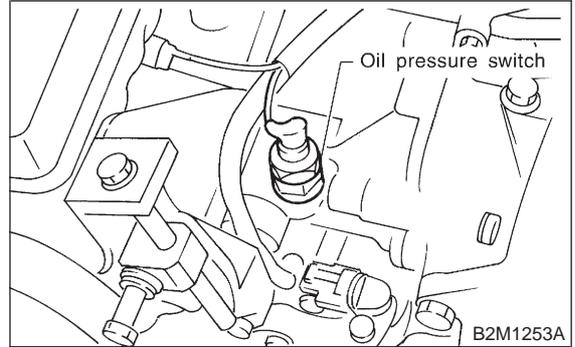
Tightening torque:
25±2 N·m (2.5±0.2 kg·m, 18.1±1.4 ft·lb)



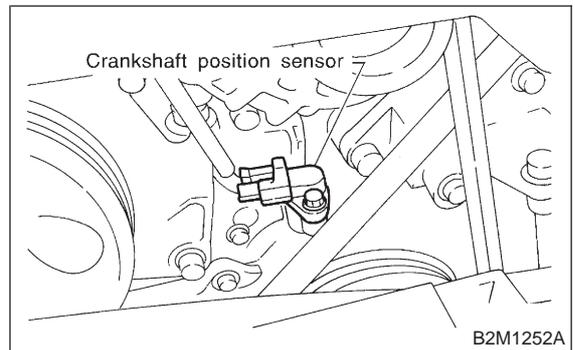
2) Connect fuel hoses.



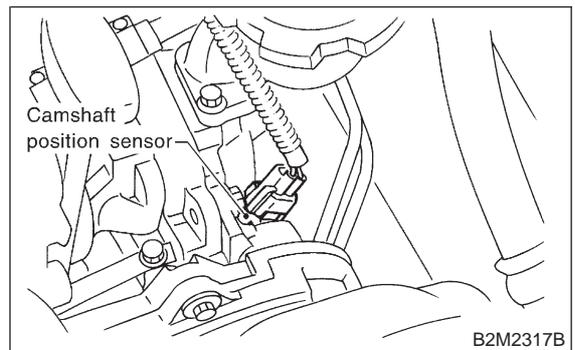
3) Connect connector to oil pressure switch.



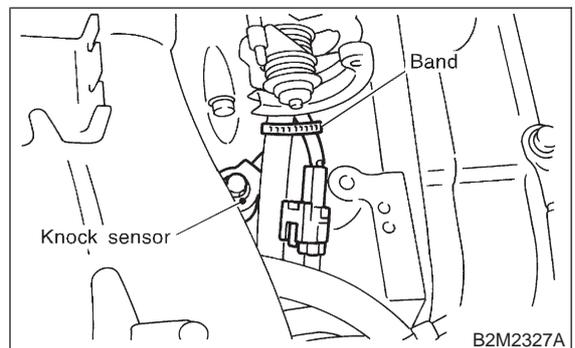
4) Connect connector to crankshaft position sensor.



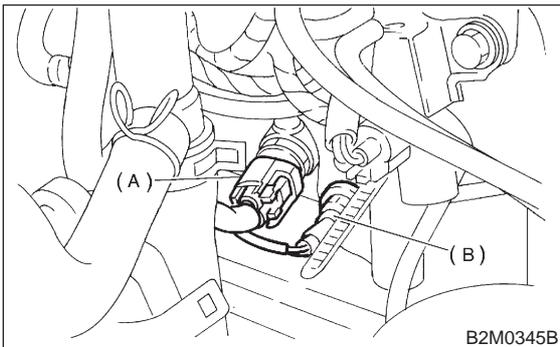
5) Connect connector to camshaft position sensor.



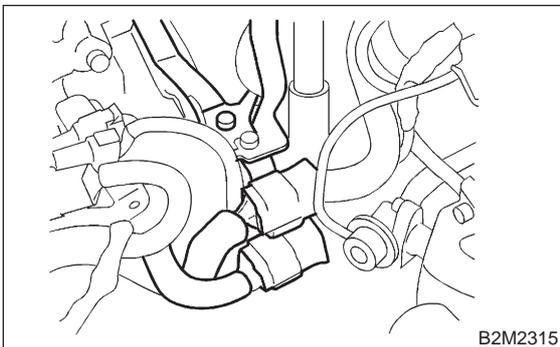
6) Connect knock sensor connector.



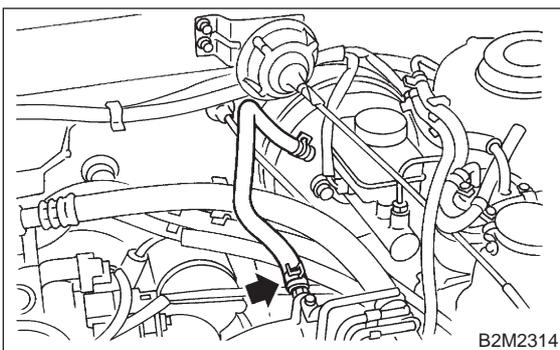
7) Connect connectors to engine coolant temperature sensor (A) and thermometer (B).



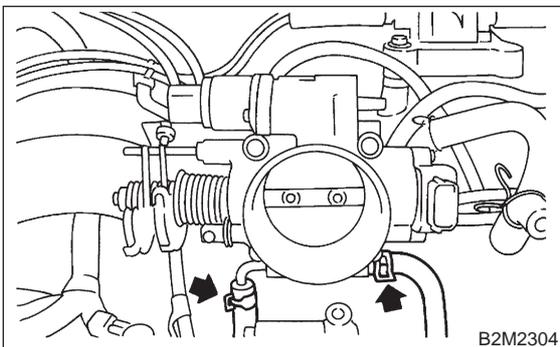
8) Install air intake chamber stay RH and engine harness bracket, and connect engine harness connectors to bulkhead connectors.



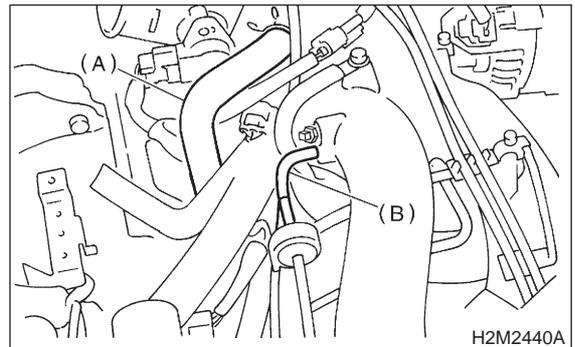
9) Connect brake booster hose.



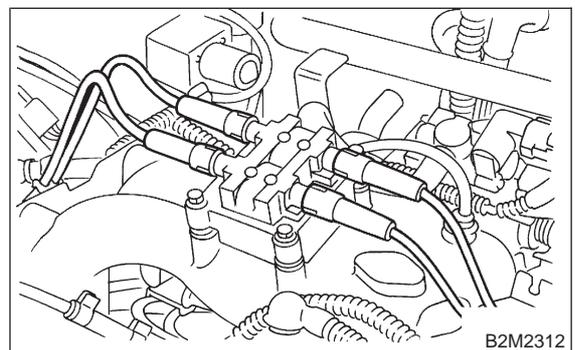
10) Connect engine coolant hose to throttle body.



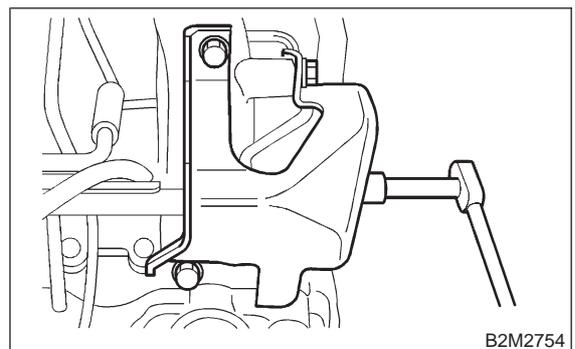
11) Connect PCV hose (A) and vacuum hose (B) to intake manifold.



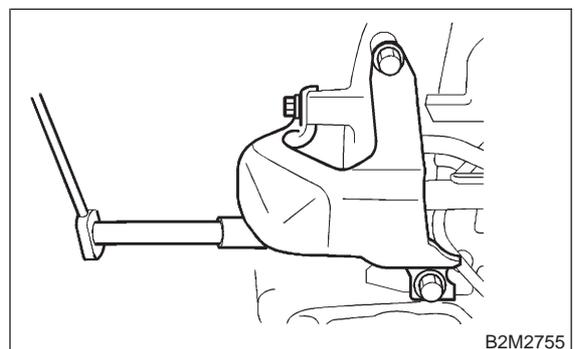
12) Connect spark plug cords to ignition coil and ignitor assembly.



13) Install fuel pipe protector LH. (LHD model)



14) Install fuel pipe protector RH. (RHD model)

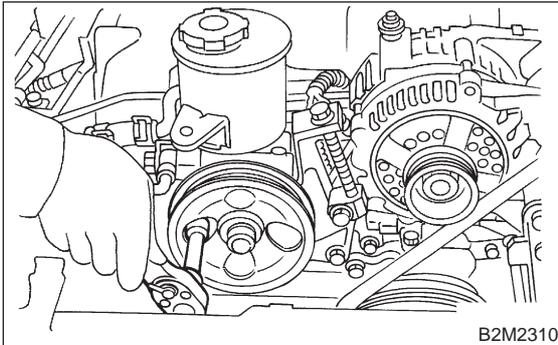


15) Install power steering pump on bracket.

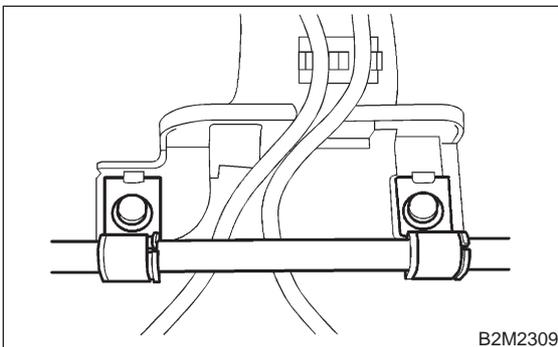
- (1) Install power steering pump on bracket, and tighten bolts.

Tightening torque:

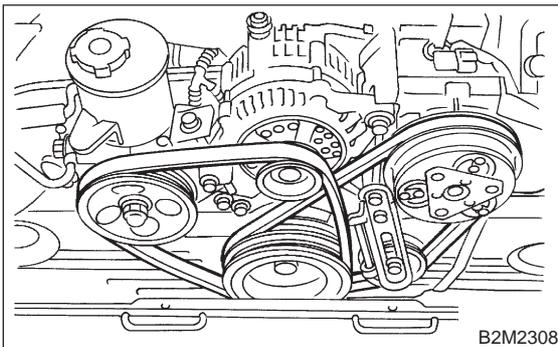
20.1±2.5 N·m (2.05±0.25 kg·m, 14.8±1.8 ft·lb)



- (2) Install power steering pipe brackets on the right side of intake manifold.

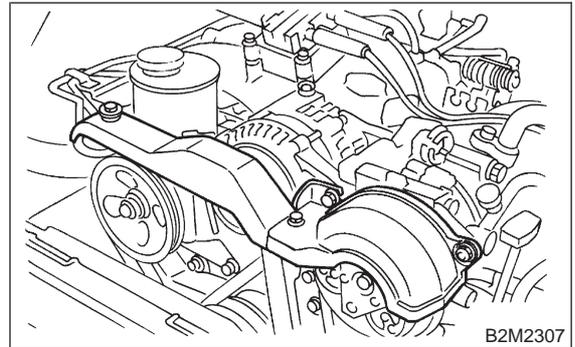


- (3) Install power steering pump drive V-belt.

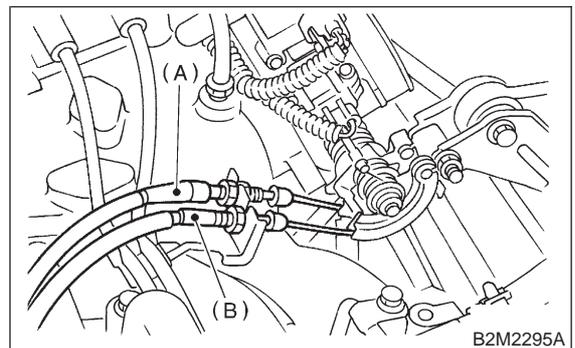


- (4) Adjust V-belt. <Ref. to 1-5 [G2B0].>

- (5) Install V-belt covers.

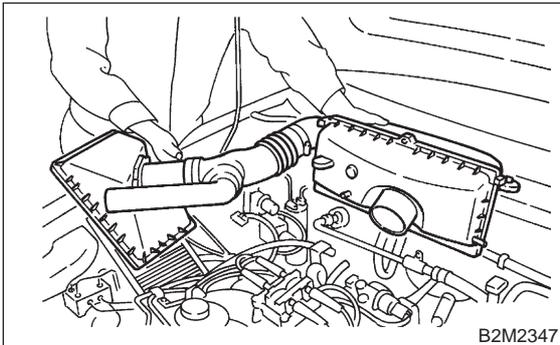


- 16) Connect accelerator cable.

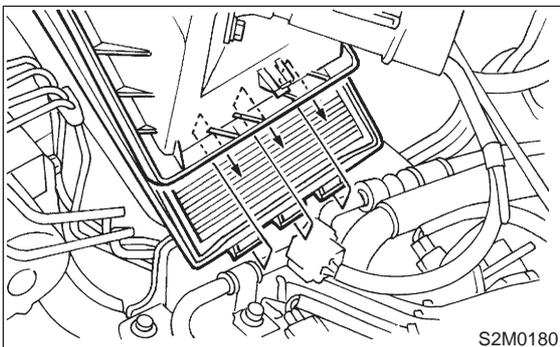


- 17) Install air cleaner element.

18) Install air cleaner upper cover, air intake duct and air intake chamber as a unit.

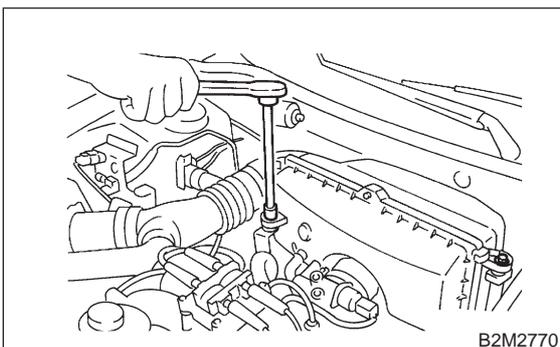


CAUTION:
Before installing air cleaner upper cover, align holes with protruding portions of air cleaner lower case, then secure upper cover to lower case.

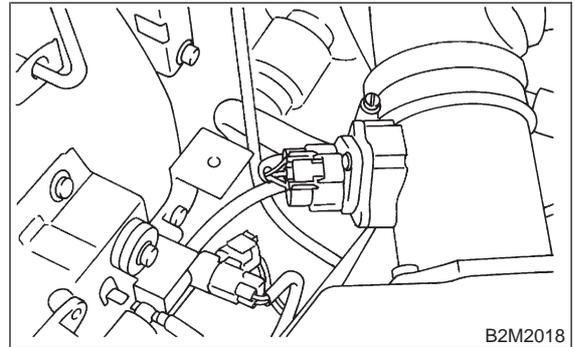


19) Tighten bolts which install air intake chamber to stays.

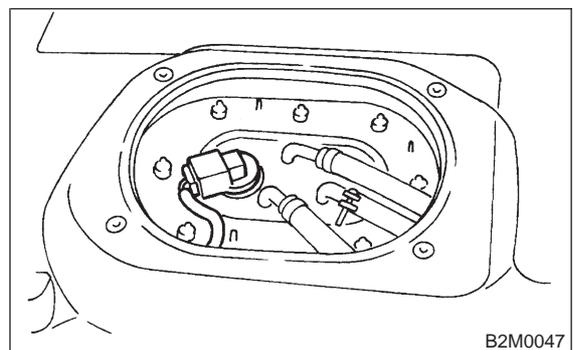
Tightening torque:
 $4.9 \pm 0.5 \text{ N}\cdot\text{m}$ ($0.5 \pm 0.05 \text{ kg}\cdot\text{m}$, $3.6 \pm 0.4 \text{ ft}\cdot\text{lb}$)



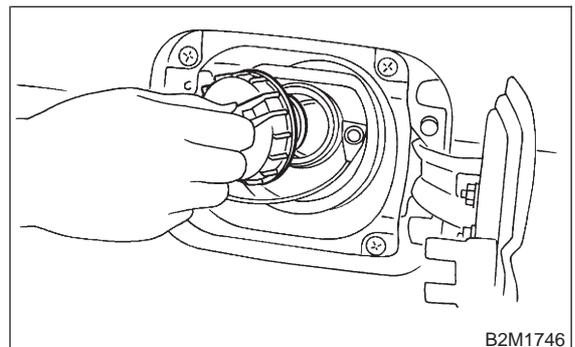
20) Connect connector to mass air flow sensor.



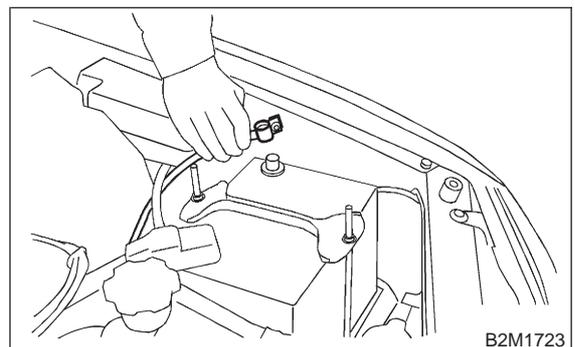
21) Connect connector to fuel pump.



22) Install fuel filler cap.



23) Connect battery ground cable.



3. 2500 cc MODEL

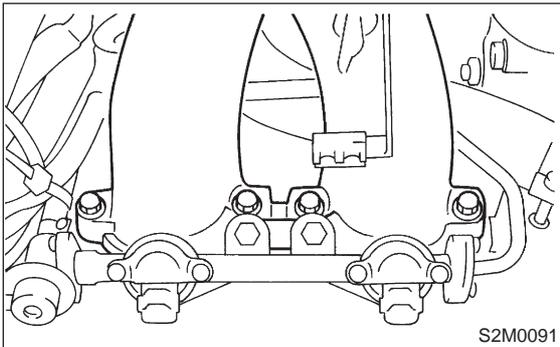
1) Install intake manifold onto cylinder heads.

CAUTION:

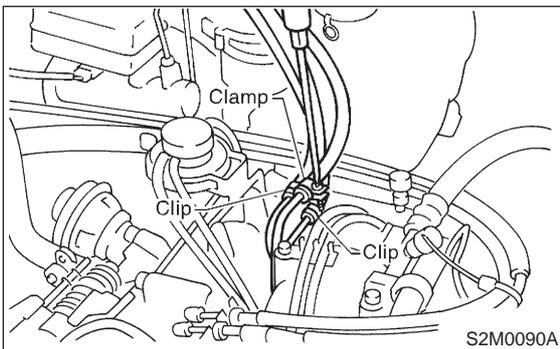
Always use new gaskets.

Tightening torque:

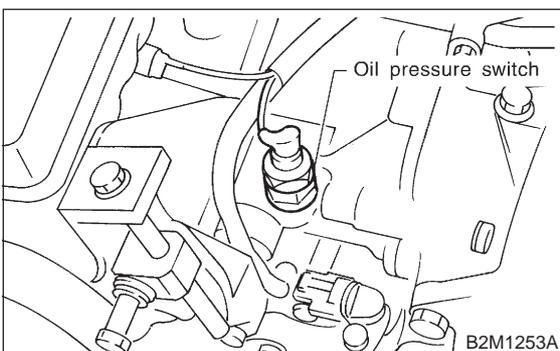
25 ± 2 N·m (2.5 ± 0.2 kg·m, 18.1 ± 1.4 ft·lb)



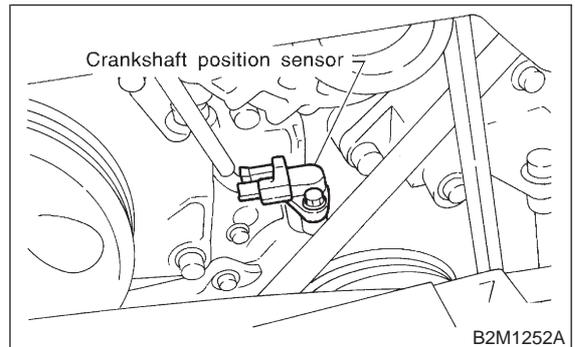
2) Connect fuel hoses.



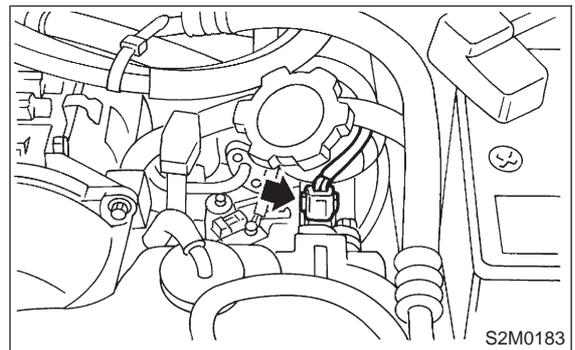
3) Connect connector to oil pressure switch.



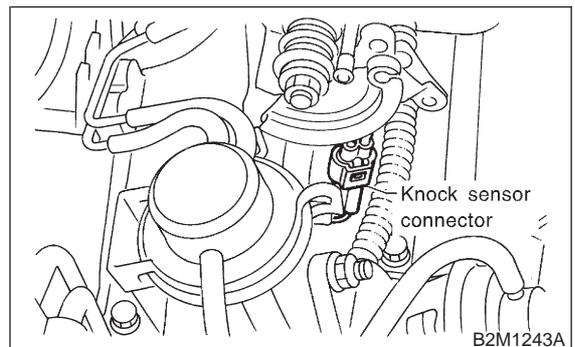
4) Connect connector to crankshaft position sensor.



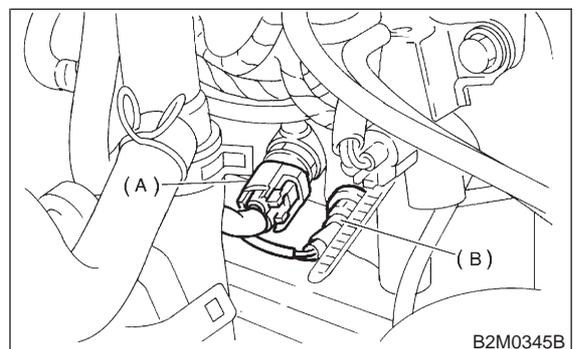
5) Connect connector to camshaft position sensor.



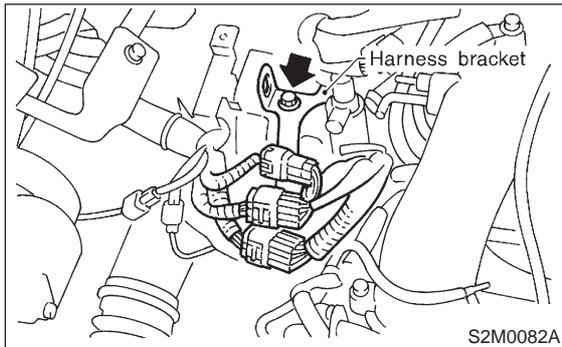
6) Connect knock sensor connector.



7) Connect connectors to engine coolant temperature sensor (A) and thermometer (B).



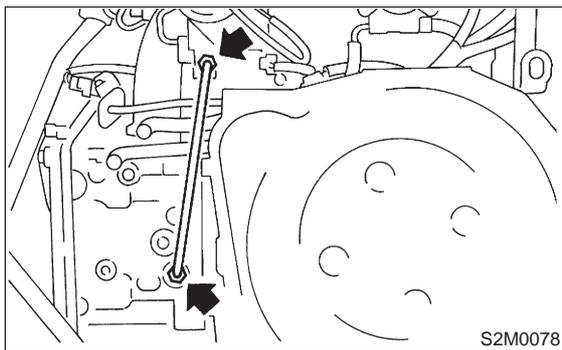
8) Install engine harness bracket, and connect engine harness connectors to bulkhead connectors.



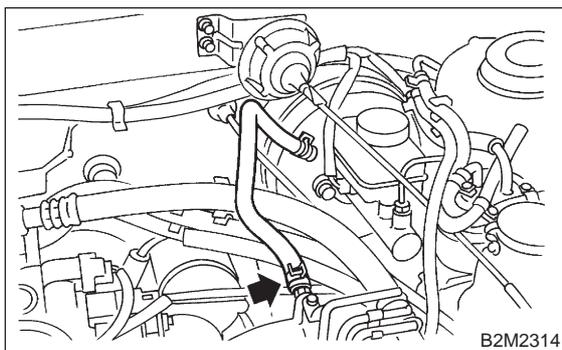
9) Install EGR pipe.

Tightening torque:

34 ± 2 N·m (3.5 ± 0.2 kg·m, 25.3 ± 1.4 ft·lb)

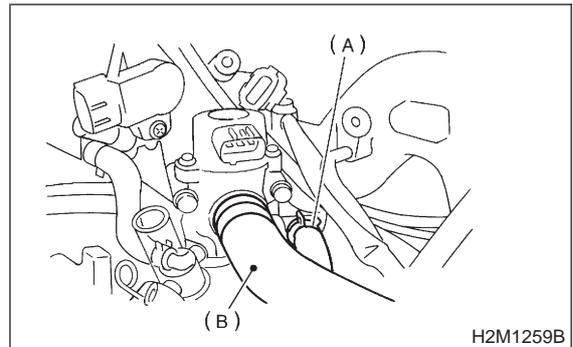


10) Connect brake booster hose.

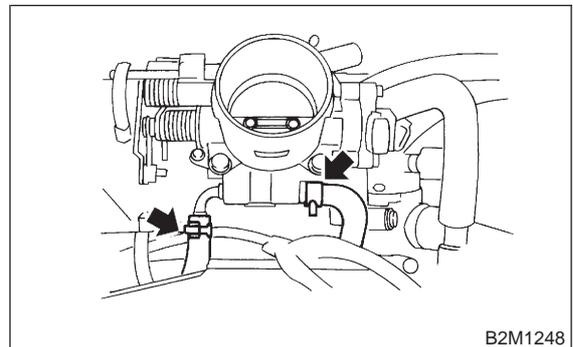


11) Connect engine coolant hose (A) to idle air control solenoid valve.

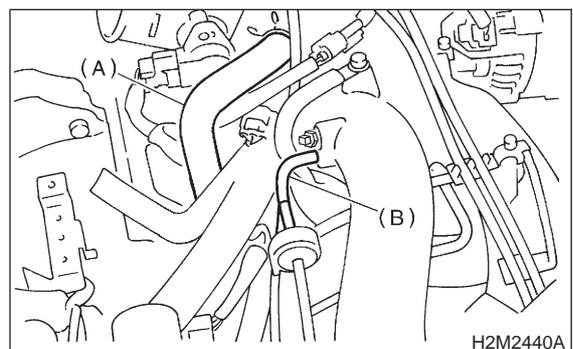
12) Connect air by-pass hose (B) to idle air control solenoid valve.



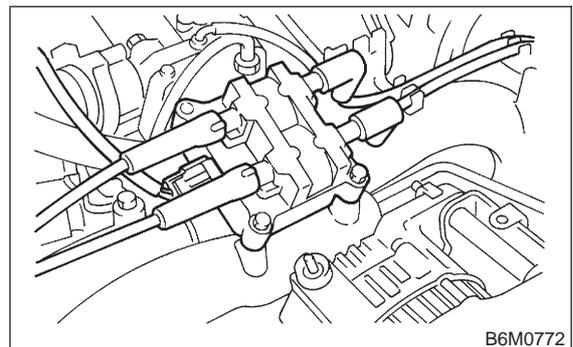
13) Connect engine coolant hose to throttle body.



14) Connect PCV hose (A) and vacuum hose (B) to intake manifold.



15) Connect spark plug cords to ignition coil.

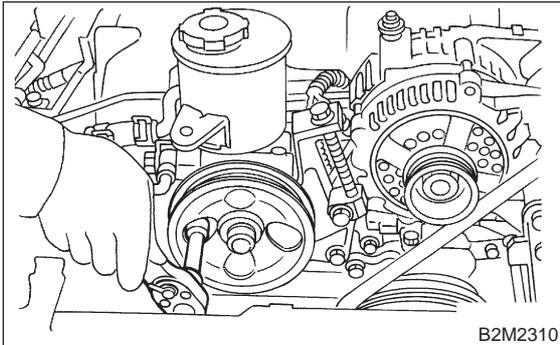


16) Install power steering pump on bracket.

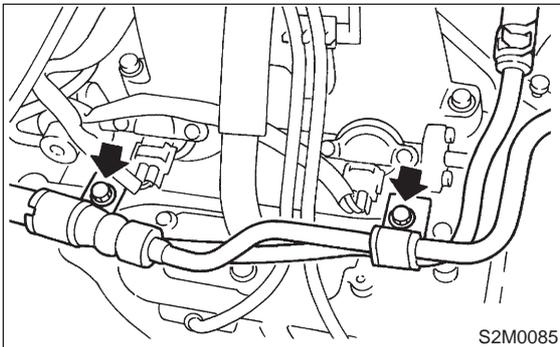
- (1) Install power steering pump on bracket, and tighten bolts.

Tightening torque:

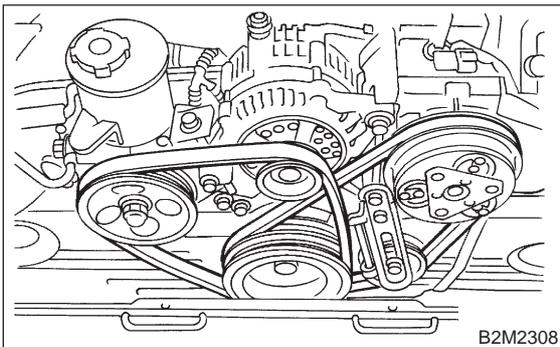
20.1±2.5 N·m (2.05±0.25 kg·m, 14.8±1.8 ft·lb)



- (2) Install power steering pipe brackets on the right side of intake manifold.

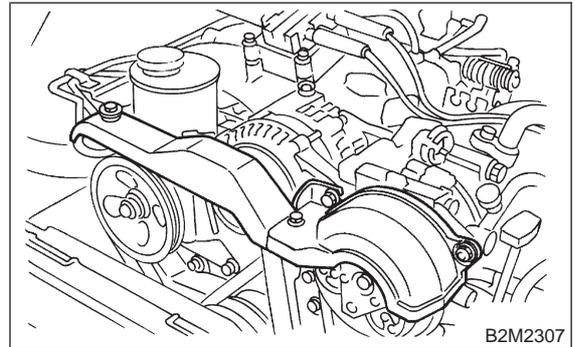


- (3) Install power steering pump drive V-belt.

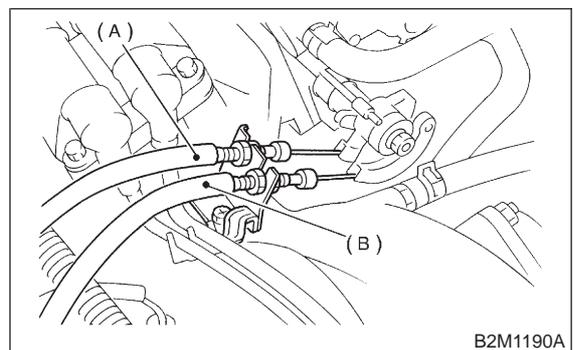


- (4) Adjust V-belt. <Ref. to 1-5 [G2B0].>

- (5) Install V-belt covers.

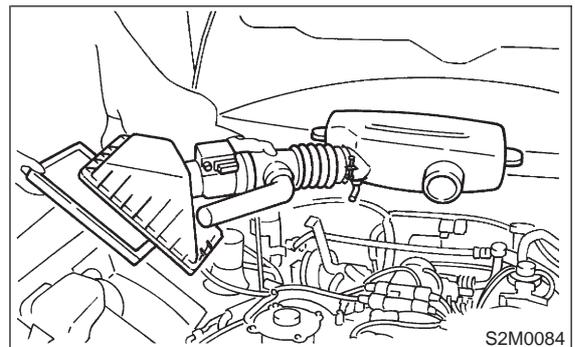


- 17) Connect accelerator cable.



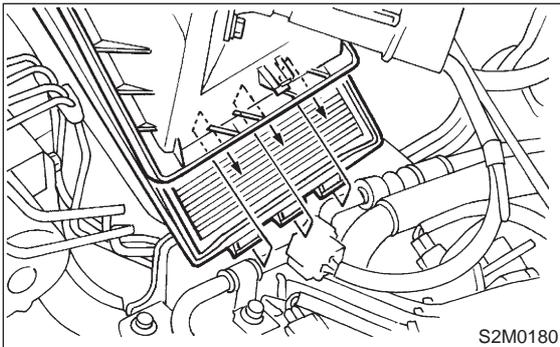
- 18) Install air cleaner element.

- 19) Install air cleaner upper cover, air intake duct and air intake chamber as a unit.



CAUTION:

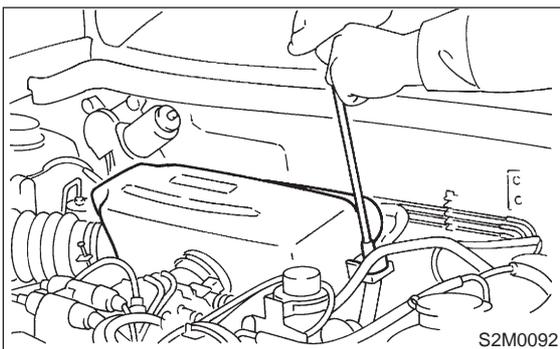
Before installing air cleaner upper cover, align holes with protruding portions of air cleaner lower case, then secure upper cover to lower case.



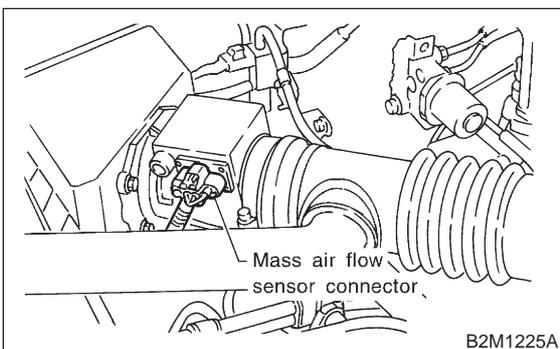
20) Tighten bolts which install air intake chamber to stays.

Tightening torque:

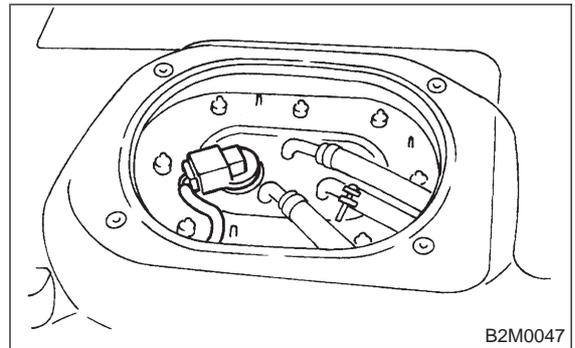
4.9±0.5 N·m (0.5±0.05 kg·m, 3.6±0.4 ft·lb)



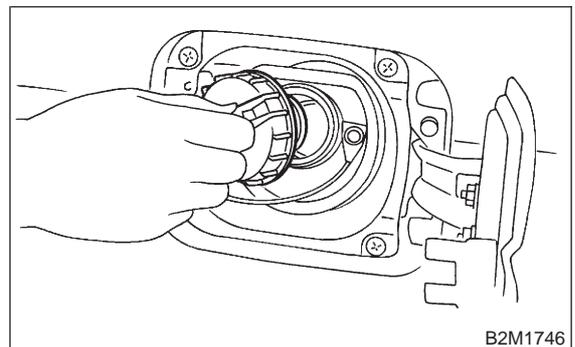
21) Connect connector to mass air flow sensor.



22) Connect connector to fuel pump.



23) Install fuel filler cap.



24) Connect battery ground cable.

