

Center Exhaust Pipe

EXHAUST

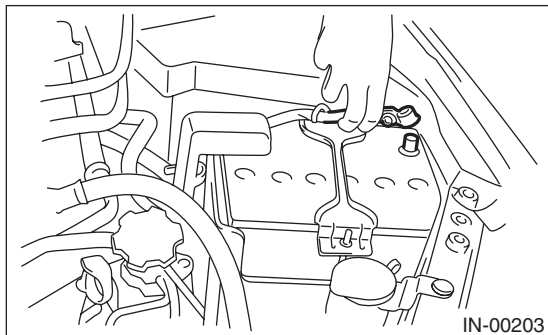
3. Center Exhaust Pipe

A: REMOVAL

CAUTION:

Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.

1) Disconnect the ground cable from battery.

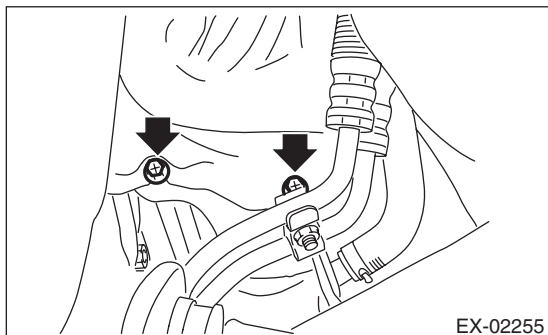


2) Remove the intercooler. <Ref. to IN(STI)-12, REMOVAL, Intercooler.> <Ref. to IN(w/o STI)-12, REMOVAL, Intercooler.>

3) Lift up the vehicle.

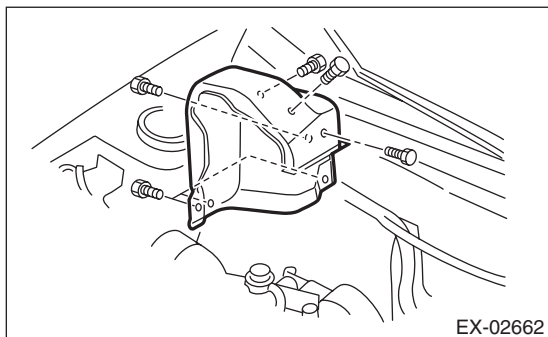
4) Remove the transmission under cover. (6MT model)

5) Remove the bolts which secure the lower side of the turbocharger lower cover.

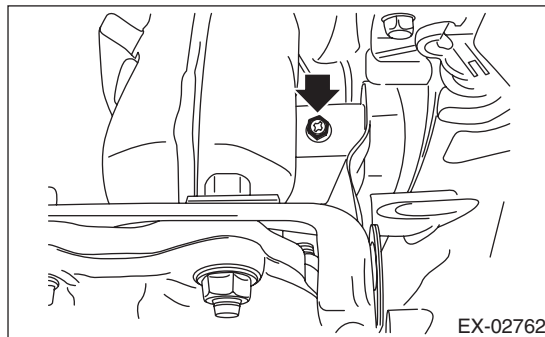


6) Lower the vehicle.

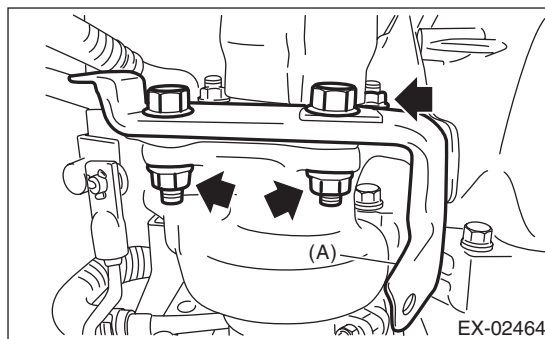
7) Remove the turbocharger upper cover.



8) Remove the bolts which hold the upper side of the turbocharger lower cover.

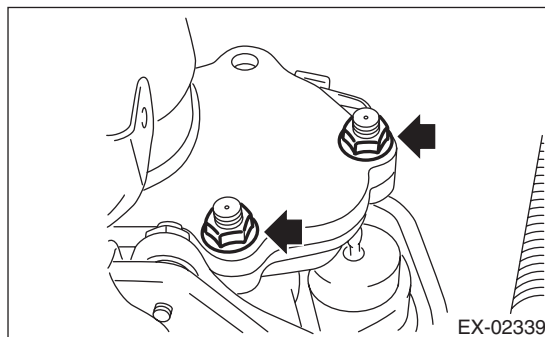


9) Remove the upper side bolts and nuts that hold the center exhaust pipe on the turbocharger, and remove the turbocharger cover stay (A).



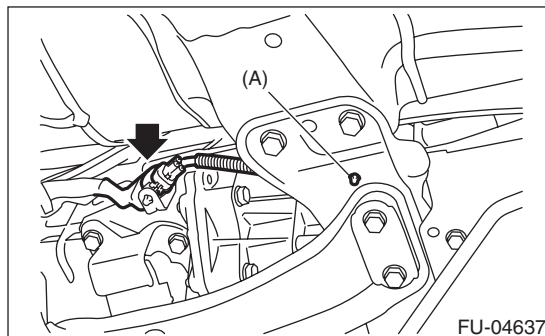
10) Lift up the vehicle.

11) Remove the lower side nuts (two places) that hold the center exhaust pipe on the turbocharger.

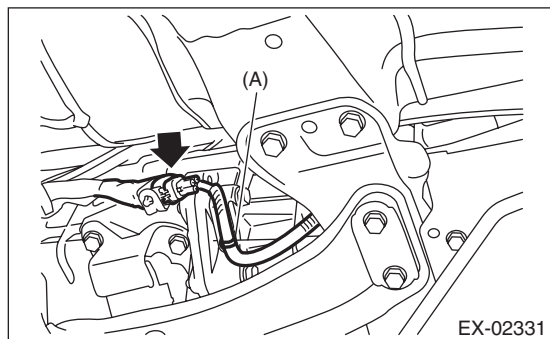


12) Disconnect the connector from the rear oxygen sensor, and remove the clip (A) holding the rear oxygen sensor harness.

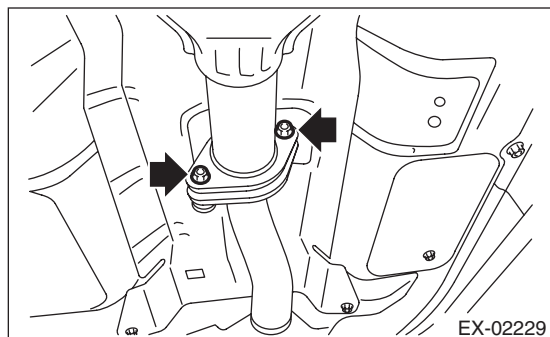
• 5MT model



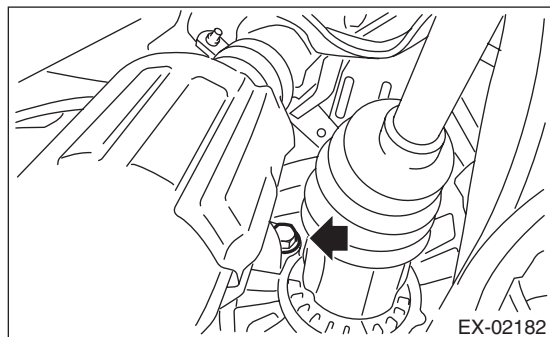
- 6MT model



- 13) Remove the rear exhaust pipe from center exhaust pipe.



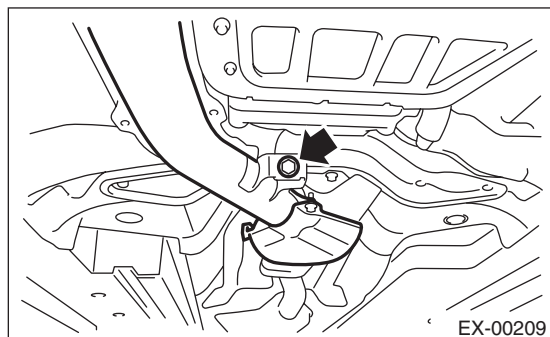
- 14) Remove the bolt which holds center exhaust pipe to transmission.



- 15) Remove the bolt which holds center exhaust pipe to hanger bracket, and remove the center exhaust pipe.

CAUTION:

Be careful not to drop the center exhaust pipe.



- 16) Remove the turbocharger lower cover.

B: INSTALLATION

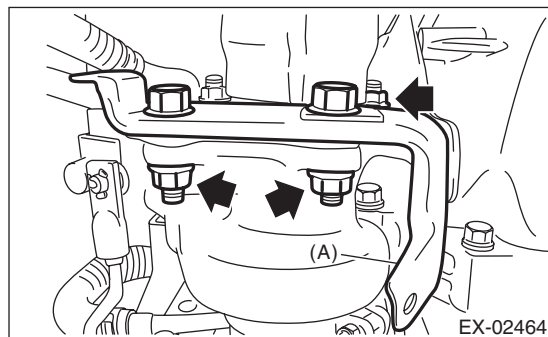
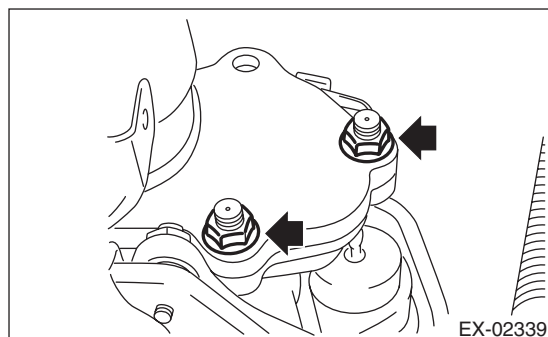
- 1) Set the turbocharger lower cover, and temporarily tighten the bolts that hold the lower side of the turbocharger lower cover.
- 2) Install the center exhaust pipe and temporarily tighten the bolt which holds center exhaust pipe to hanger bracket.
- 3) Temporarily tighten the bolt which holds the center exhaust pipe to the transmission.
- 4) Install the center exhaust pipe along with the turbocharger cover stay (A) to the turbocharger.

NOTE:

Use a new gasket.

Tightening torque:

42.5 N·m (4.3 kgf-m, 31.3 ft-lb)



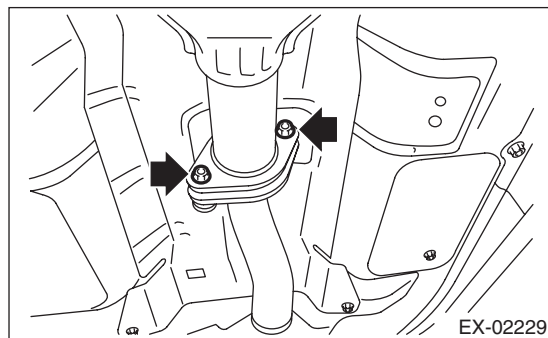
- 5) Install the rear exhaust pipe to center exhaust pipe.

NOTE:

Use a new gasket.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)

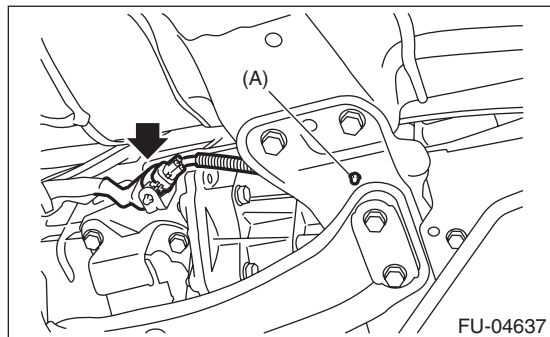


Center Exhaust Pipe

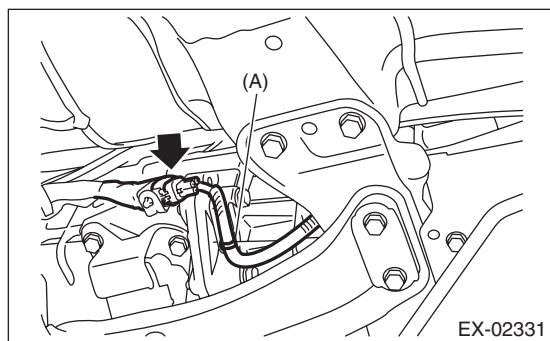
EXHAUST

6) Connect the connector to the rear oxygen sensor, and hold the rear oxygen sensor harness with the clip (A).

- 5MT model



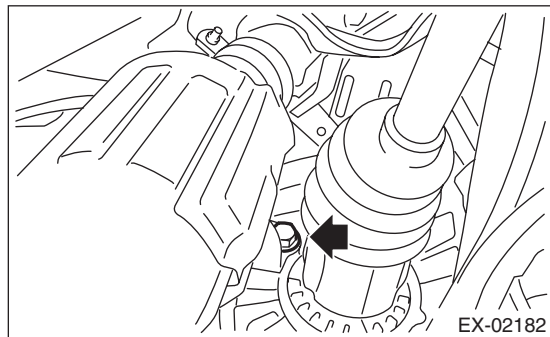
- 6MT model



7) Tighten the bolt which holds center exhaust pipe to transmission.

Tightening torque:

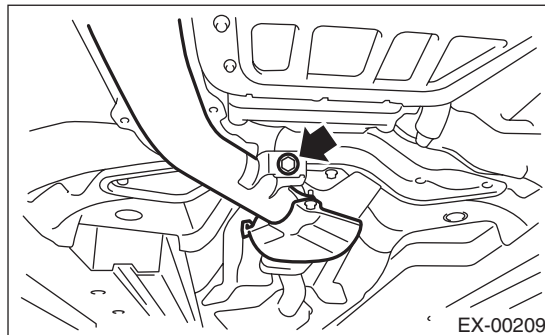
30 N·m (3.1 kgf-m, 22.1 ft-lb)



8) Tighten the bolts which secure the center exhaust pipe to the hanger bracket.

Tightening torque:

35 N·m (3.6 kgf-m, 25.8 ft-lb)

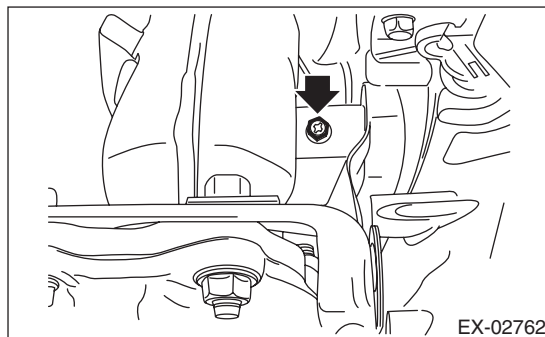


9) Lower the vehicle.

10) Attach the bolt which holds the upper side of the turbocharger lower cover.

Tightening torque:

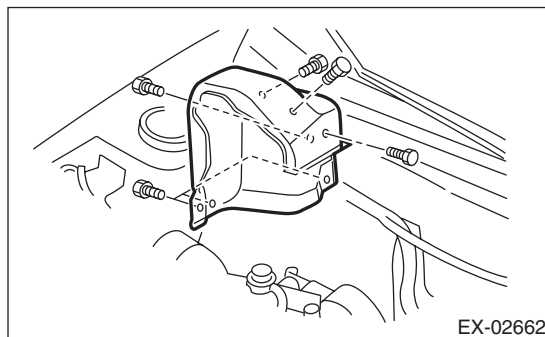
7.5 N·m (0.8 kgf-m, 5.5 ft-lb)



11) Attach the turbocharger upper cover.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

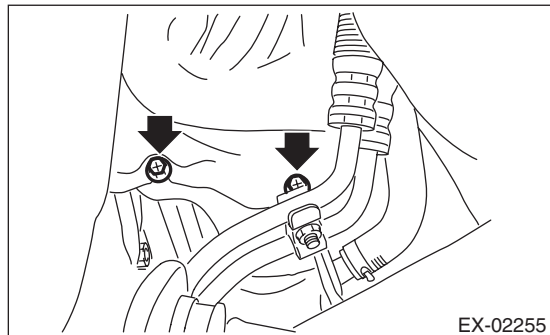


12) Lift up the vehicle.

13) Tighten the bolts that secure the lower side of the turbocharger lower cover.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)



14) Install the transmission under cover. (6MT model)

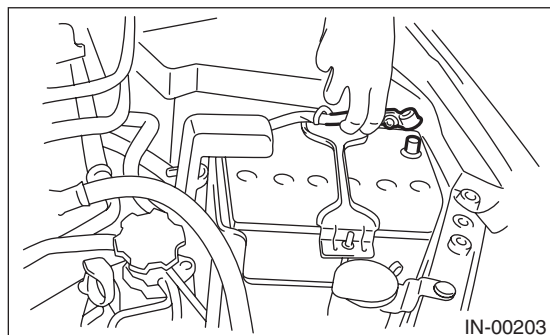
Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)

15) Lower the vehicle.

16) Install the intercooler. <Ref. to IN(STI)-13, INSTALLATION, Intercooler.> <Ref. to IN(w/o STI)-12, INSTALLATION, Intercooler.>

17) Connect the battery ground terminal.

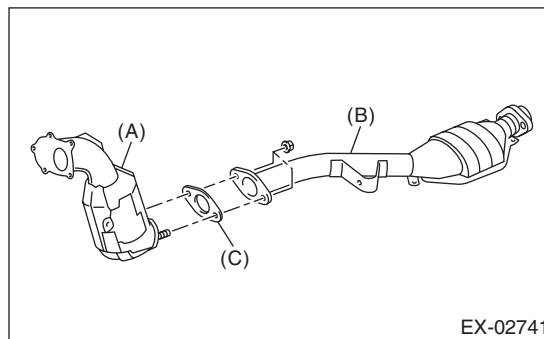


C: DISASSEMBLY

1) Remove the rear O₂ sensor from the center exhaust pipe (rear). <Ref. to FU(STI)-56, REMOVAL, Rear Oxygen Sensor.> <Ref. to FU(w/o STI)-55, REMOVAL, Rear Oxygen Sensor.>

2) Remove the center exhaust pipe upper cover.

3) Remove the center exhaust pipe (rear) from the center exhaust pipe (front).



- (A) Center exhaust pipe (front)
- (B) Center exhaust pipe (rear)
- (C) Gasket

D: ASSEMBLY

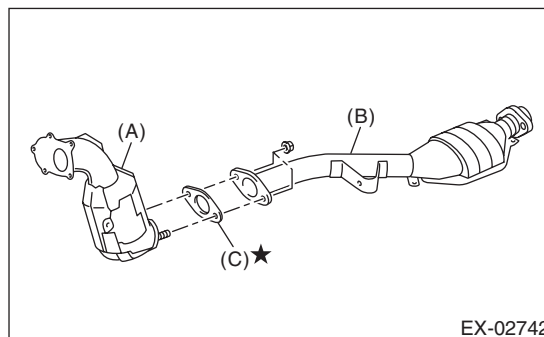
1) Assemble the center exhaust pipe (rear) to the center exhaust pipe (front).

NOTE:

Use a new gasket.

Tightening torque:

42.5 N·m (4.3 kgf-m, 31.3 ft-lb)



- (A) Center exhaust pipe (front)
- (B) Center exhaust pipe (rear)
- (C) Gasket

2) Install the center exhaust pipe upper cover.

Tightening torque:

13 N·m (1.3 kgf-m, 9.6 ft-lb)

3) Install the rear O₂ sensor to the center exhaust pipe (rear). <Ref. to FU(STI)-56, INSTALLATION, Rear Oxygen Sensor.> <Ref. to FU(w/o STI)-55, INSTALLATION, Rear Oxygen Sensor.>

E: INSPECTION

- 1) Check the connections and welds for exhaust leaks.
- 2) Make sure there are no holes or rusting.