

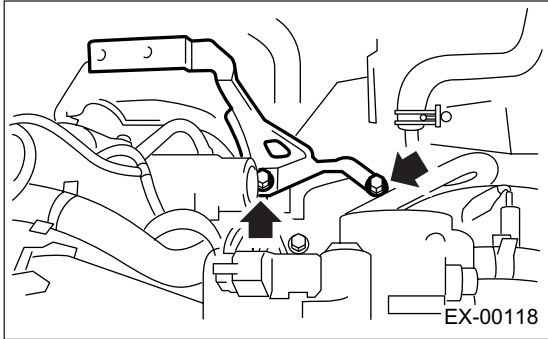
CENTER EXHAUST PIPE

EXHAUST

3. Center Exhaust Pipe

A: REMOVAL

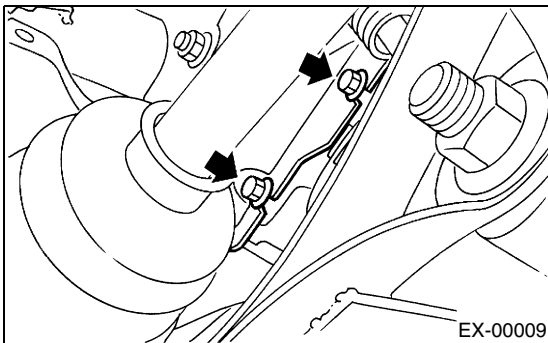
- 1) Set the vehicle on the lift.
- 2) Disconnect the ground terminal from battery.
- 3) Remove the intercooler. <Ref. to IN(H4DOTC)-11, REMOVAL, Intercooler.>
- 4) Remove the intercooler bracket.



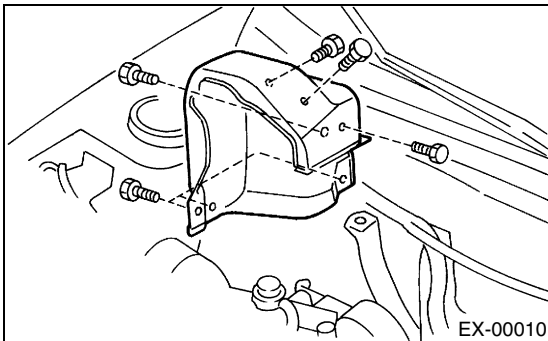
- 5) Lift-up the vehicle.
- 6) Remove the under cover.
- 7) Remove the bolts which install the lower side of turbocharger upper cover.

CAUTION:

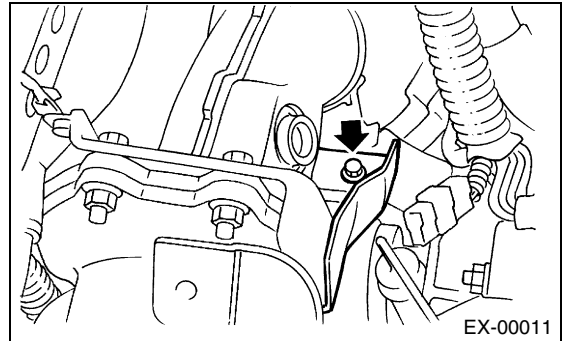
Be careful, the turbocharger and exhaust pipe are hot.



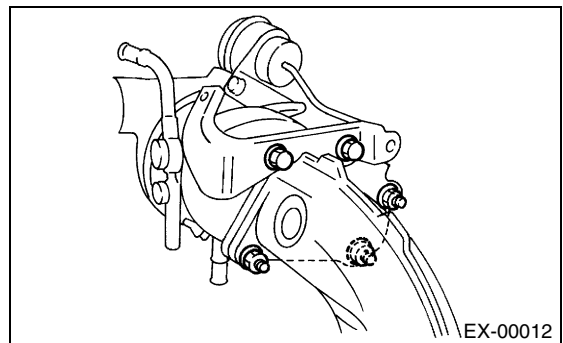
- 8) Lower the vehicle.
- 9) Remove the turbocharger upper cover.



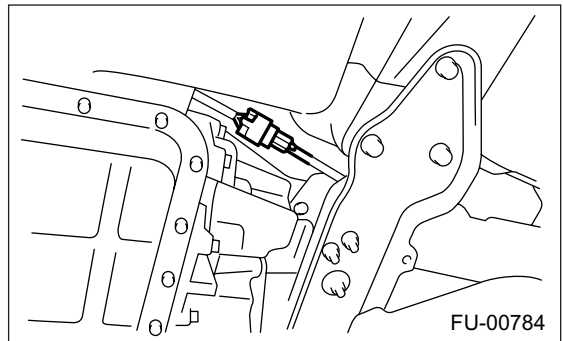
- 10) Remove the bolts which install the lower upper side of turbocharger upper cover, and remove it.



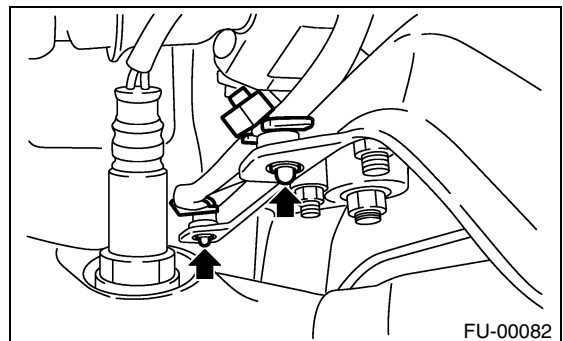
- 11) Separate the center exhaust pipe from turbocharger.



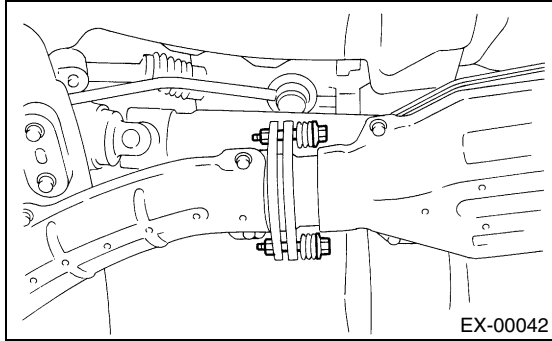
- 12) Lift-up the vehicle.
- 13) Disconnect the connector from rear oxygen sensor.



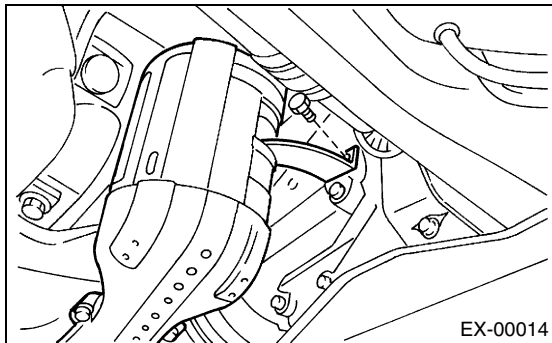
- 14) Vertically draw out clip from crossmember.



- 15) Separate the center exhaust pipe from rear exhaust pipe.

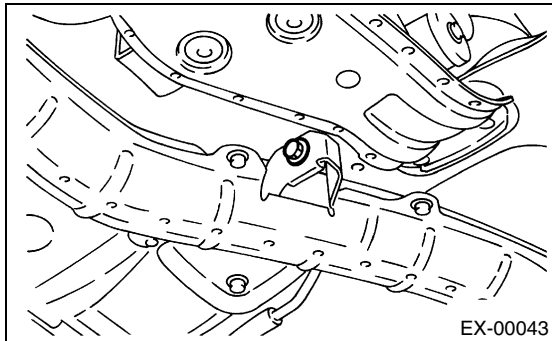


- 16) Remove the bolt which holds center exhaust pipe bracket to transmission.

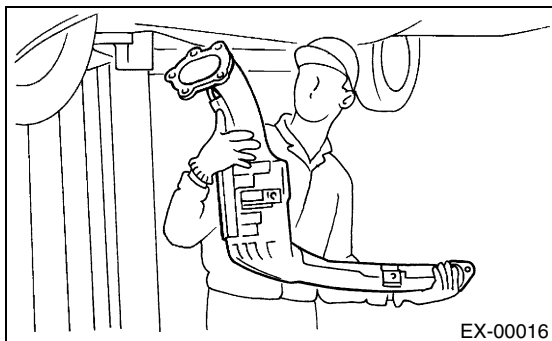


- 17) Remove the intercooler bracket.
18) Remove the bolt which holds center exhaust pipe to hanger bracket.

CAUTION:
Be careful not to pull down the center exhaust pipe.



- 19) Remove the center exhaust pipe.



B: INSTALLATION

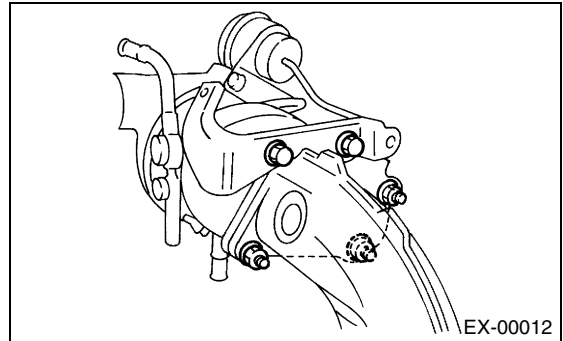
CAUTION:

Replace the gaskets with new ones.

- 1) Install the center exhaust pipe and temporarily tighten the bolt which holds center exhaust pipe to hanger bracket.
- 2) Temporarily tighten the bolt which holds the center pipe to transmission.
- 3) Connect the center exhaust pipe to turbocharger.

Tightening torque:

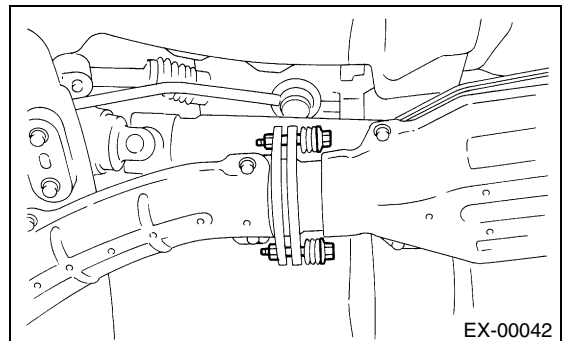
35 N·m (3.6 kgf-m, 26.0 ft-lb)



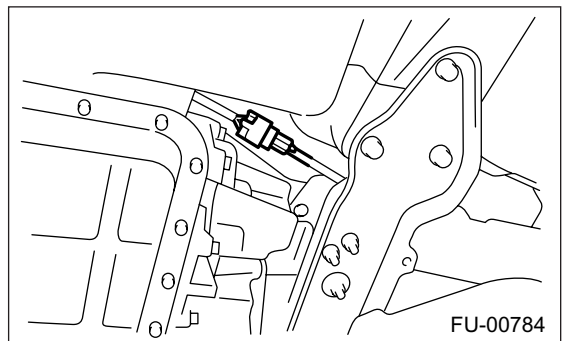
- 4) Install the center exhaust pipe to rear exhaust pipe.

Tightening torque:

18 N·m (1.8 kgf-m, 13.0 ft-lb)



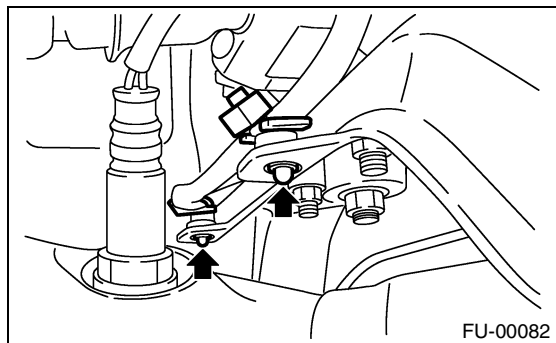
- 5) Connect the connector to rear oxygen sensor.



CENTER EXHAUST PIPE

EXHAUST

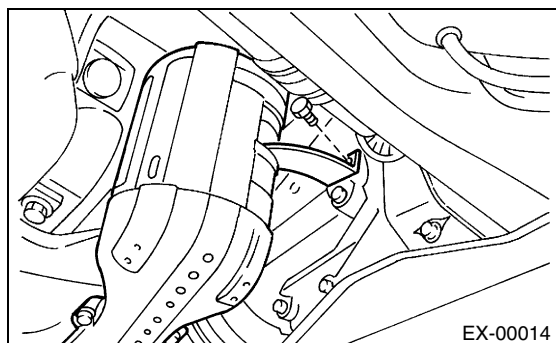
- 6) Secure clip on the crossmember.



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

Tightening torque:

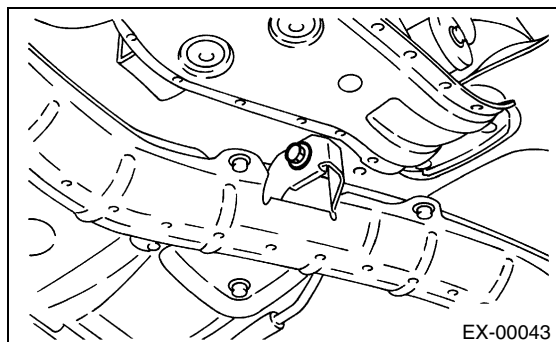
30 N·m (3.1 kgf-m, 22.4 ft-lb)



- 8) Tighten the bolt which holds the center exhaust pipe to hanger bracket.

Tightening torque:

35 N·m (3.6 kgf-m, 26.0 ft-lb)



- 9) Tighten the bolts which hold the intercooler bracket.

Tightening torque:

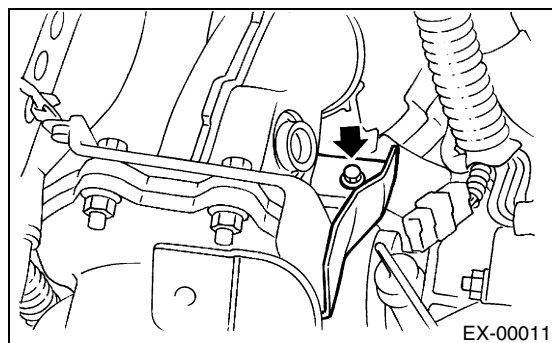
35 N·m (3.6 kgf-m, 26.0 ft-lb)

- 10) Lower the vehicle.

- 11) Place the turbocharger lower cover, and tighten the bolts which install the upper side of lower cover.

Tightening torque:

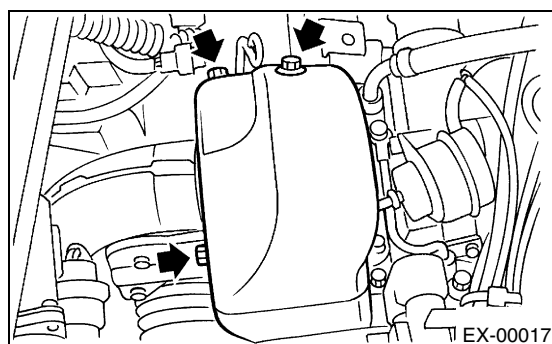
7.4 N·m (0.75 kgf-m, 5.4 ft-lb)



- 12) Place the turbocharger upper cover, and tighten the bolts which install the upper side of upper cover.

Tightening torque:

7.4 N·m (0.75 kgf-m, 5.4 ft-lb)

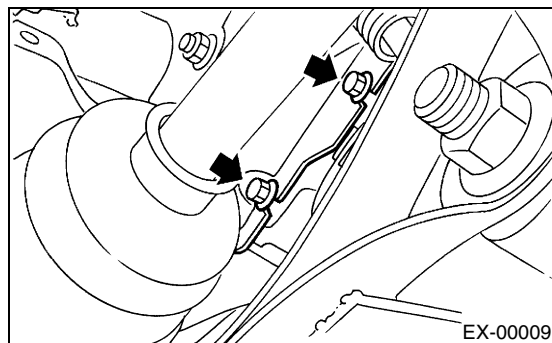


- 13) Lift-up the vehicle.

- 14) Tighten the bolts which install the under side of turbocharger upper cover.

Tightening torque:

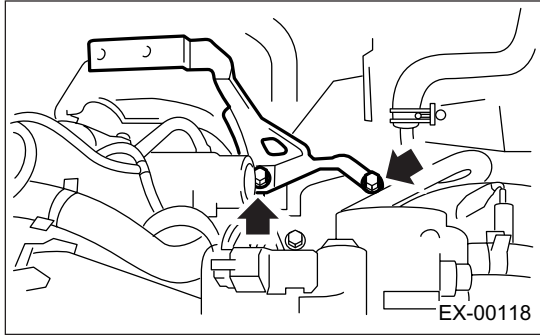
7.4 N·m (0.75 kgf-m, 5.4 ft-lb)



- 15) Install the under cover.

- 16) Lower the vehicle.

17) Install the intercooler bracket.



18) Install the intercooler. <Ref. to IN(H4DOTC)-12, INSTALLATION, Intercooler.>