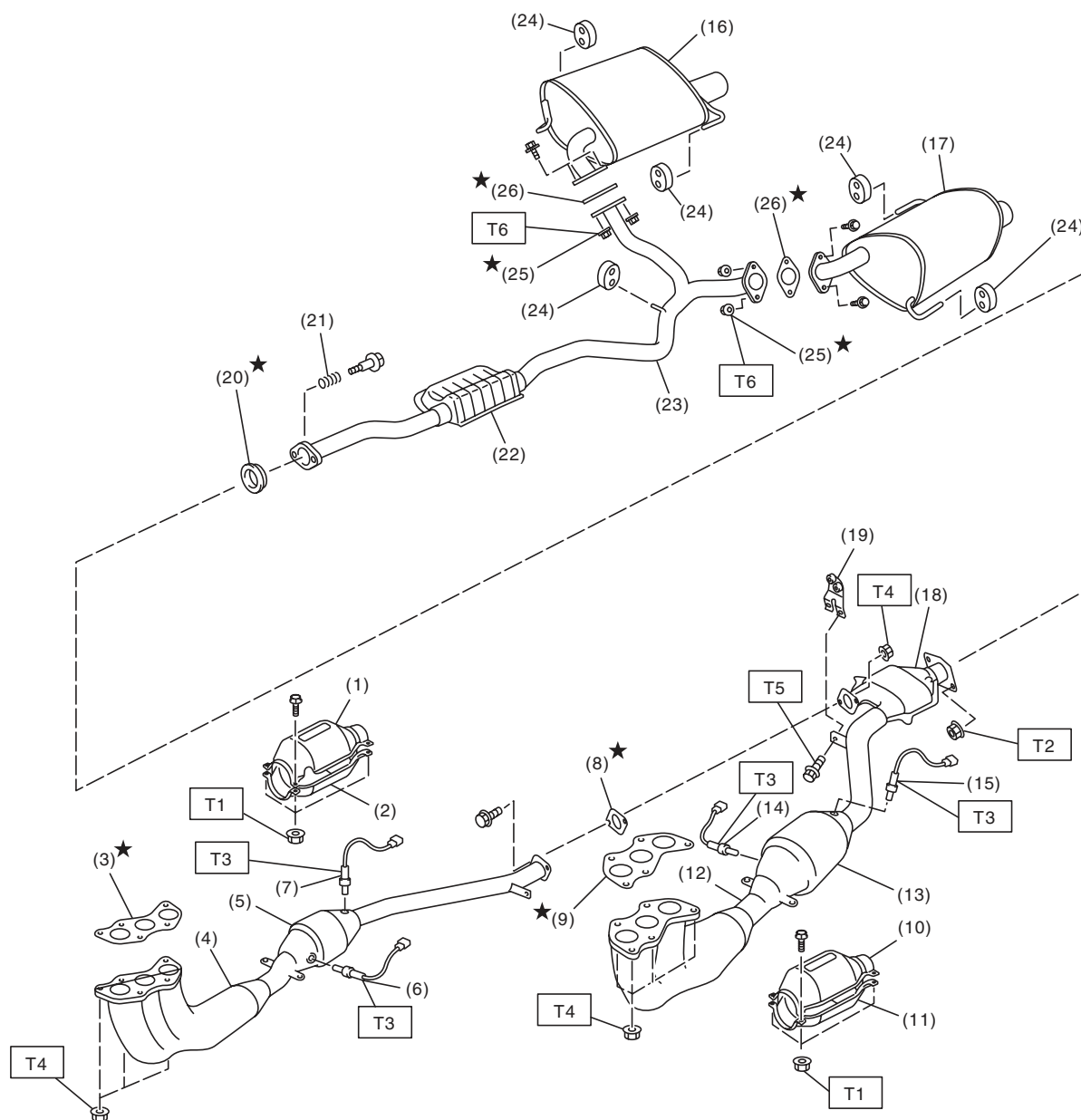


General Description

EXHAUST

1. General Description

A: COMPONENT



EX-02374

EX(H6DO)-2

General Description

EXHAUST

(1) Front catalytic converter upper cover (RH)	(11) Front catalytic converter lower cover (LH)	(23) Rear exhaust pipe
(2) Front catalytic converter lower cover (RH)	(12) Front exhaust pipe (LH)	(24) Cushion rubber
(3) Gasket	(13) Front catalytic converter (LH)	(25) Self-locking nut
(4) Front exhaust pipe (RH)	(14) Front oxygen (A/F) sensor (LH)	(26) Gasket
(5) Front catalytic converter (RH)	(15) Rear oxygen sensor (LH)	
(6) Front oxygen (A/F) sensor (RH)	(16) Muffler (RH)	
(7) Rear oxygen sensor (RH)	(17) Muffler (LH)	
(8) Gasket	(18) Rear catalytic converter	
(9) Gasket	(19) Bracket	
(10) Front catalytic converter upper cover (LH)	(20) Gasket	
	(21) Spring	
	(22) Chamber	

Tightening torque:N-m (kgf-m, ft-lb)

T1: 13 (1.3, 9.6)

T2: 18 (1.8, 13.3)

T3: 21 (2.1, 15.5)

T4: 30 (3.1, 22.1)

T5: 35 (3.6, 25.8)

T6: 48 (4.9, 35.4)

B: CAUTION

- Wear appropriate work clothing, including a cap, protective goggles and protective shoes when performing any work.
- Remove contamination including dirt and corrosion before removal, installation or disassembly.
- Keep the disassembled parts in order and protect them from dust and dirt.
- Before removal, installation or disassembly, be sure to clarify the failure. Avoid unnecessary removal, installation, disassembly and replacement.
- Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.
- Be sure to tighten fasteners including bolts and nuts to the specified torque.
- Place shop jacks or rigid racks at the specified points.
- Before disconnecting connectors of sensors or units, be sure to disconnect the ground cable from the battery.
- If any fat adheres to the exhaust pipe, wipe it off. Otherwise a fire may happen.

Front Exhaust Pipe

EXHAUST

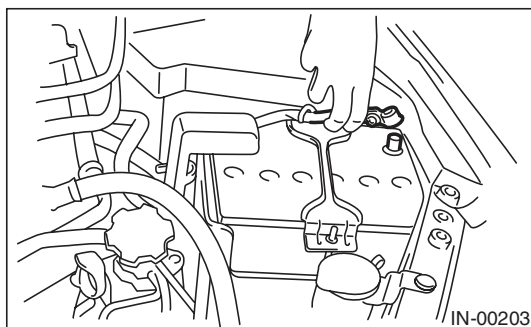
2. Front Exhaust Pipe

A: REMOVAL

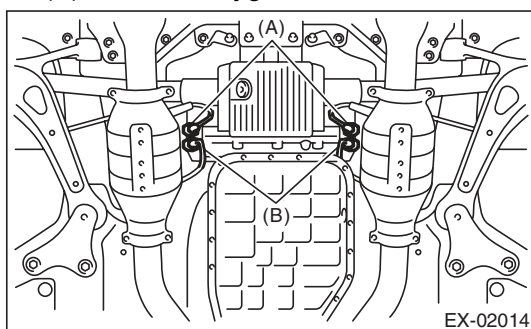
CAUTION:

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

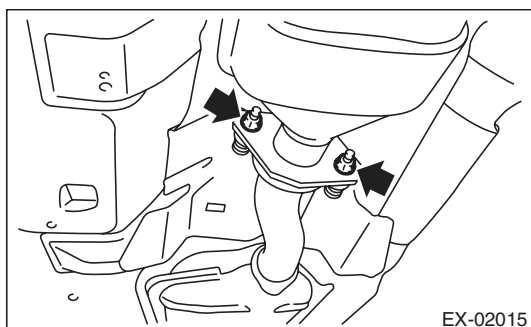
- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.



- 3) Lift up the vehicle.
- 4) Remove the under cover.
- 5) Disconnect the front oxygen (A/F) sensor connector (A) and rear oxygen sensor connector (B).



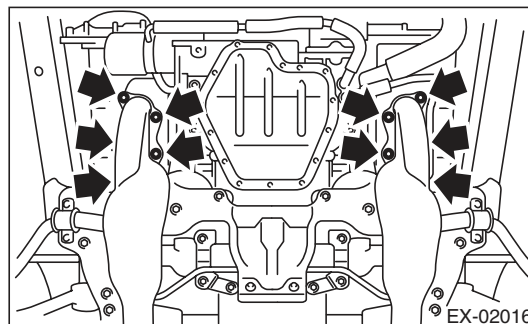
- 6) Separate the front exhaust pipe assembly from the rear exhaust pipe.



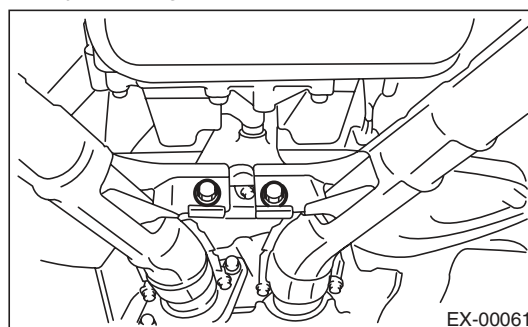
- 7) Remove the nuts which hold front exhaust pipe assembly onto cylinder heads.

CAUTION:

Be careful not to drop the front exhaust pipe assembly.



- 8) Remove the bolts which hold front exhaust pipe assembly to hanger bracket.

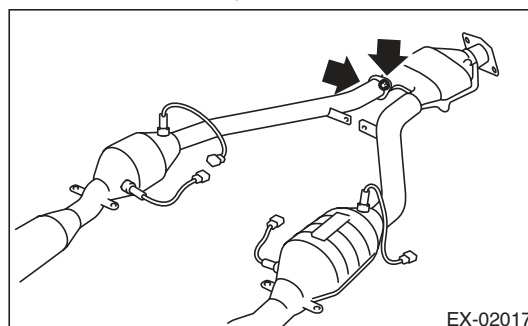


- 9) Remove the front exhaust pipe assembly from vehicle.

CAUTION:

- Be careful not to let the front exhaust pipe assembly fall off when removing, since it is very heavy.
- After removing the front exhaust pipe assembly, do not apply excessive pulling force on the rear exhaust pipe.

- 10) Separate the front exhaust pipe (RH) from front exhaust pipe assembly.



- 11) Remove the front oxygen (A/F) sensor and rear oxygen sensor. <Ref. to FU(H6DO)-32, REMOVAL, Front Oxygen (A/F) Sensor.> <Ref. to FU(H6DO)-34, REMOVAL, Rear Oxygen Sensor.>

B: INSTALLATION

1) Install the front oxygen (A/F) sensor and rear oxygen sensor. <Ref. to FU(H6DO)-33, INSTALLATION, Front Oxygen (A/F) Sensor.> <Ref. to FU(H6DO)-35, INSTALLATION, Rear Oxygen Sensor.>

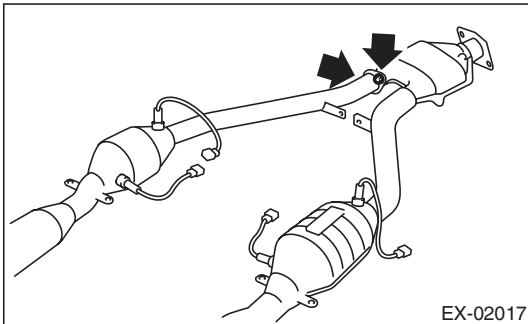
2) Install the front exhaust pipe (RH) to the front exhaust pipe (LH).

NOTE:

Use a new gasket.

Tightening torque:

30 N·m (3.1 kgf-m, 22.1 ft-lb)

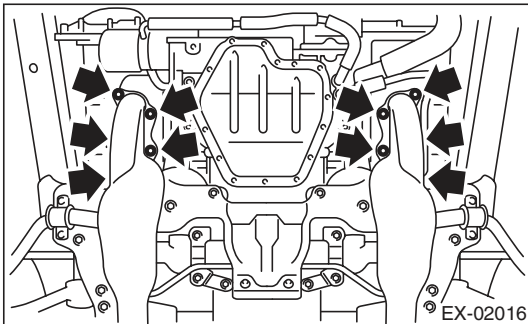


3) Install the front exhaust pipe assembly to vehicle.

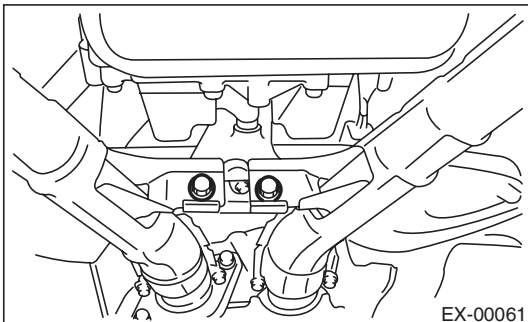
4) Temporarily tighten the nuts which hold front exhaust pipe assembly onto cylinder heads.

NOTE:

Use a new gasket.



5) Temporarily tighten the bolts which hold front exhaust pipe assembly to hanger bracket.



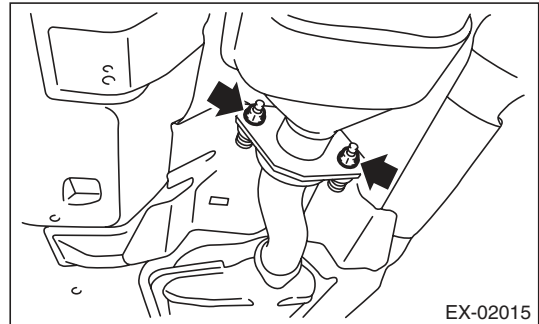
6) Tighten the bolts which install front exhaust pipe to rear exhaust pipe.

NOTE:

Use a new gasket.

Tightening torque:

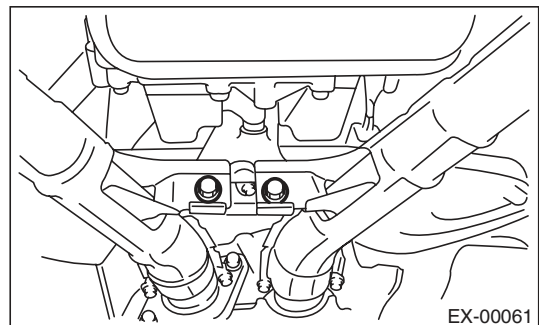
18 N·m (1.8 kgf-m, 13.3 ft-lb)



7) Tighten the bolts which hold front exhaust pipe assembly to hanger bracket.

Tightening torque:

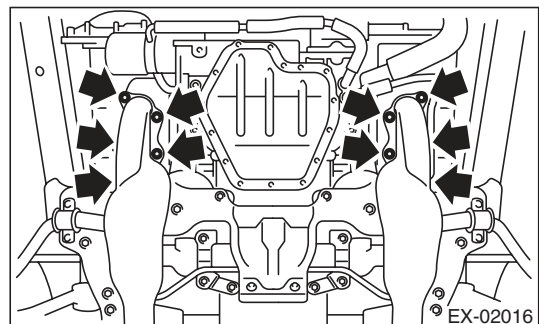
35 N·m (3.6 kgf-m, 25.8 ft-lb)



8) Tighten the nuts which hold front exhaust pipe to cylinder heads.

Tightening torque:

30 N·m (3.1 kgf-m, 22.1 ft-lb)

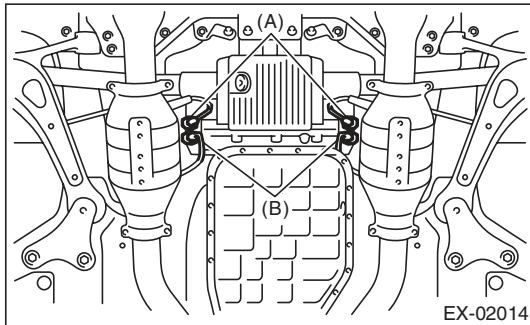


9) Install the under cover.

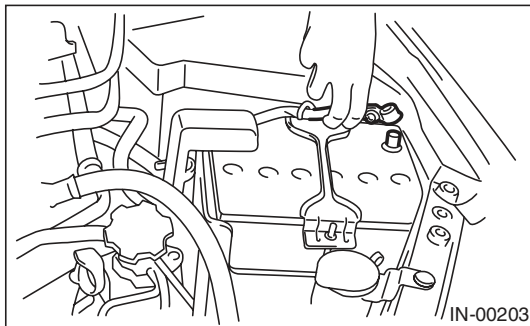
Front Exhaust Pipe

EXHAUST

- 10) Connect the front oxygen (A/F) sensor connector (A) and rear oxygen sensor connector (B).



- 11) Lower the vehicle.
- 12) Connect the ground cable to battery.



C: INSPECTION

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

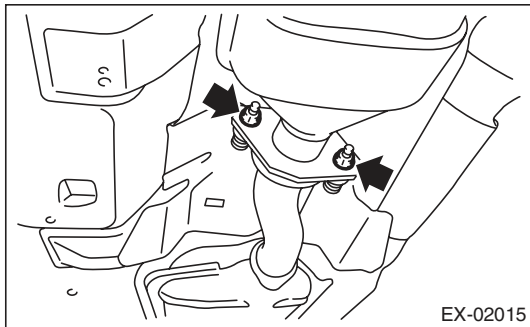
3. Rear Exhaust Pipe

A: REMOVAL

CAUTION:

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

- 1) Set the vehicle on a lift.
- 2) Lift up the vehicle.
- 3) Separate the rear exhaust pipe from front exhaust pipe assembly.

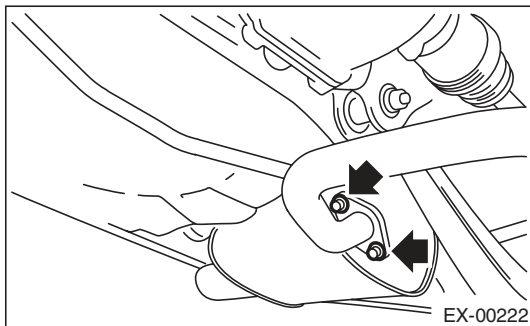


- 4) Separate the rear exhaust pipe from muffler.

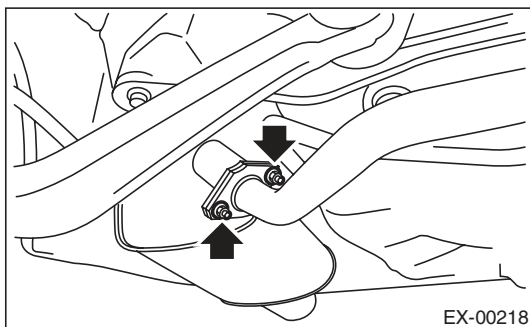
CAUTION:

Be careful not to drop the rear exhaust pipe.

- LH side

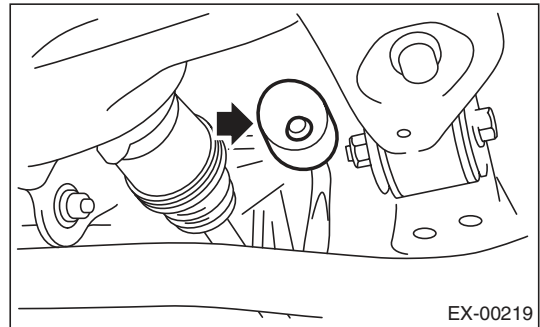


- RH side



- 5) Apply a coat of spray type lubricant to the mating area of cushion rubber.

- 6) Remove the rear exhaust pipe bracket from cushion rubber.



- 7) Remove the rear exhaust pipe.

Rear Exhaust Pipe

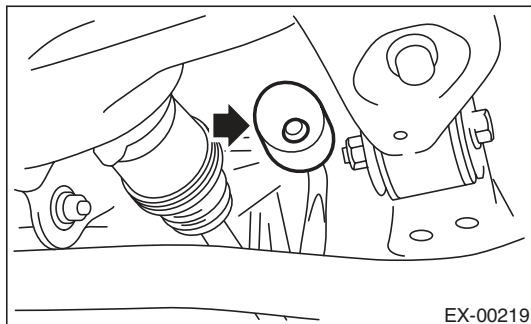
EXHAUST

B: INSTALLATION

- 1) Apply a coat of spray type lubricant to the mating area of cushion rubber.
- 2) Install the rear exhaust pipe bracket to cushion rubber.

NOTE:

After assembling, degrease the lubricant which was applied to the cushion rubber while removing/installing.



- 3) Install the rear exhaust pipe to muffler.

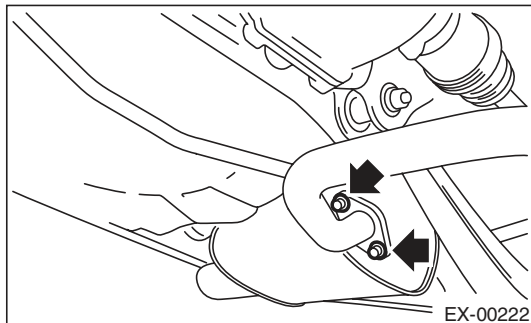
NOTE:

Use a new gasket and self-locking nut.

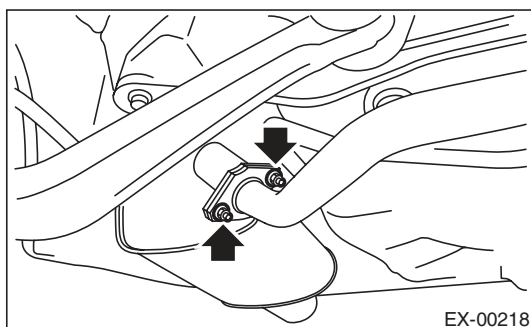
Tightening torque:

48 N·m (4.9 kgf-m, 35.4 ft-lb)

- LH side



- RH side



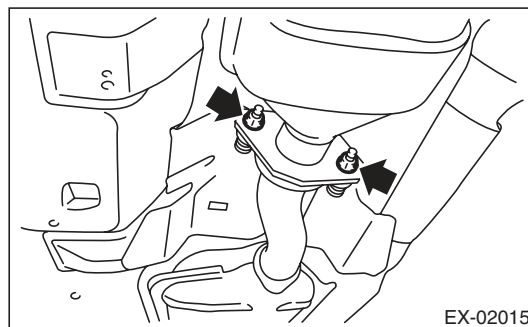
- 4) Install the rear exhaust pipe assembly to center exhaust pipe.

NOTE:

Use a new gasket.

Tightening torque:

18 N·m (1.8 kgf-m, 13.3 ft-lb)



- 5) Lower the vehicle.

C: INSPECTION

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

4. Muffler

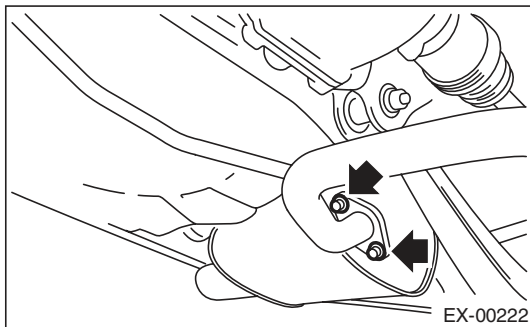
A: REMOVAL

CAUTION:

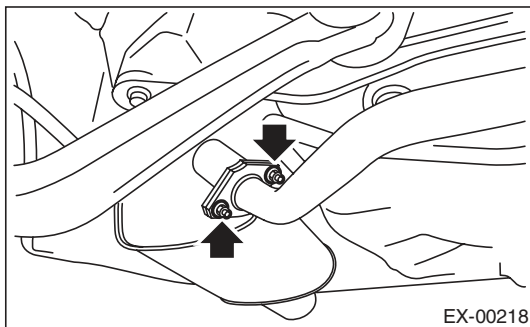
Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.

- 1) Set the vehicle on a lift.
- 2) Lift up the vehicle.
- 3) Separate the muffler from rear exhaust pipe.

- LH side



- RH side

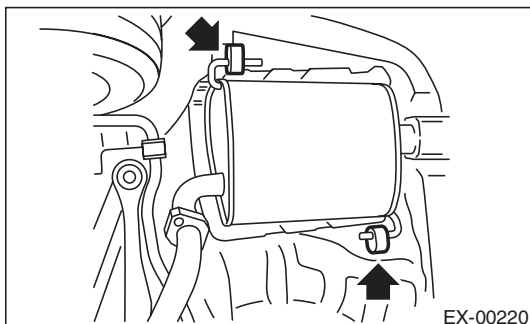


- 4) Apply a coat of spray type lubricant to the mating area of cushion rubber.
- 5) Remove the front and rear cushion rubber, and then remove the muffler.

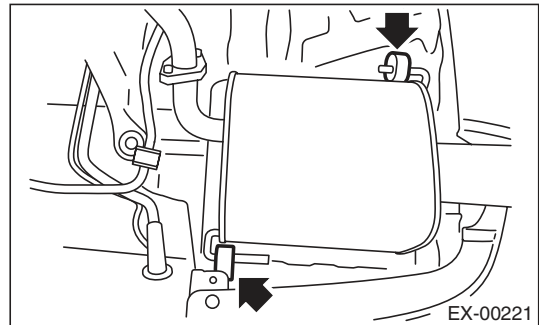
CAUTION:

Be careful not to drop the muffler during removal.

- LH side



- RH side



B: INSTALLATION

Install in the reverse order of removal.

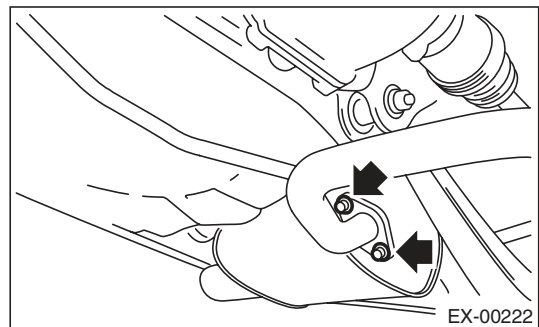
NOTE:

- Use a new gasket and self-locking nut.
- After assembling, degrease the lubricant which was applied to the cushion rubber while removing/installing.

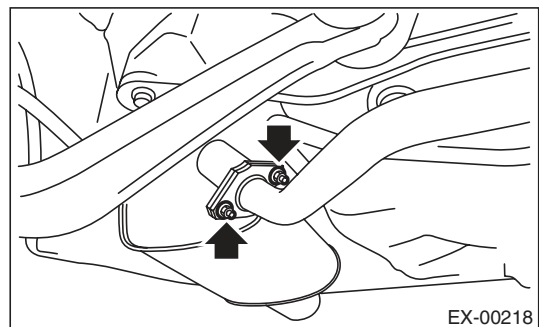
Tightening torque:

48 N·m (4.9 kgf-m, 35.4 ft-lb)

- LH side



- RH side



C: INSPECTION

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

Muffler

EXHAUST

EX(H6DO)-10