

# Front Exhaust Pipe

## EXHAUST

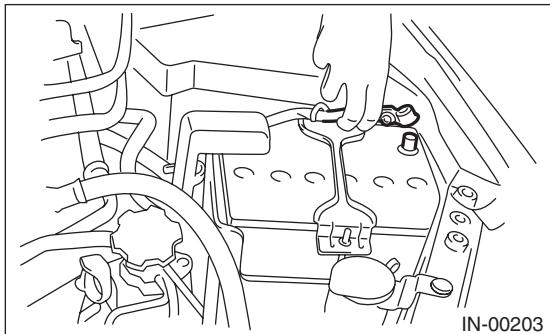
## 2. Front Exhaust Pipe

### A: REMOVAL

#### CAUTION:

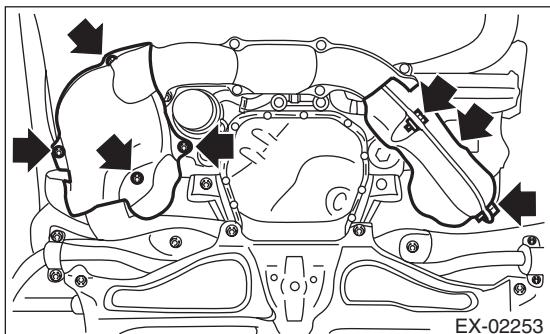
Vehicle components are extremely hot after driving. Be wary of receiving burns from heated parts.

1) Disconnect the ground cable from battery.

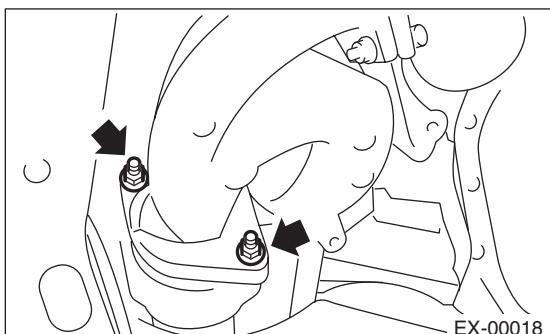


2) Lift up the vehicle.

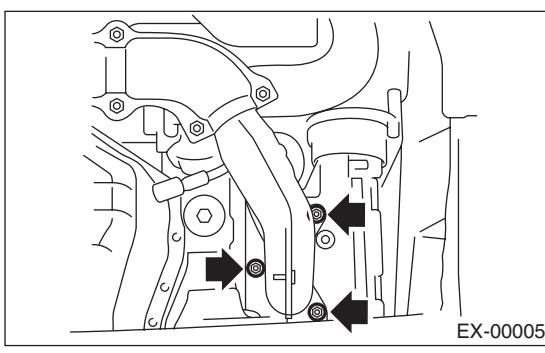
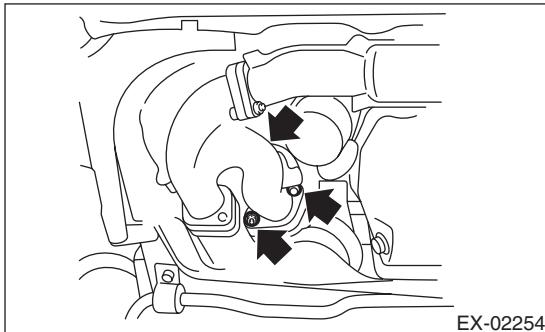
- 3) Remove the under cover. <Ref. to EI-28, REMOVAL, Front Under Cover.>
- 4) Remove the front oxygen (A/F) sensor. <Ref. to FU(STI)-54, REMOVAL, Front Oxygen (A/F) Sensor.> <Ref. to FU(w/o STI)-53, REMOVAL, Front Oxygen (A/F) Sensor.>
- 5) Remove the exhaust manifold RH lower cover and exhaust manifold LH cover.



- 6) Remove the bolts and nuts which hold joint pipe onto exhaust manifold RH.



- 7) While holding the front exhaust pipe with one hand, remove the nuts which hold the exhaust manifold to the cylinder head exhaust port and remove the front exhaust pipe.



### B: INSTALLATION

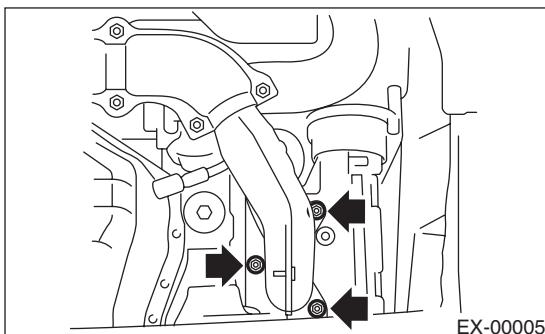
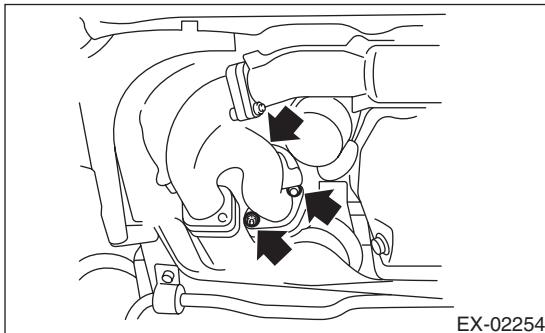
- 1) Install the front exhaust pipe.

#### NOTE:

Use a new gasket.

#### Tightening torque:

40 N·m (4.1 kgf·m, 29.5 ft·lb)



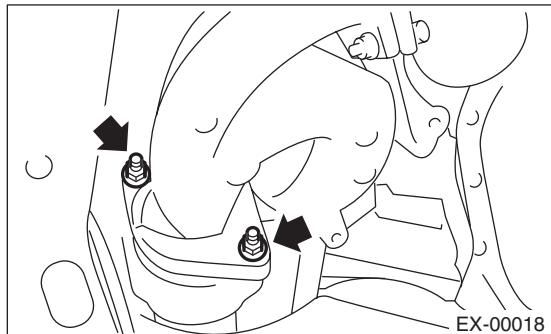
2) Install the joint pipe to the exhaust manifold RH.

NOTE:

Use a new gasket.

**Tightening torque:**

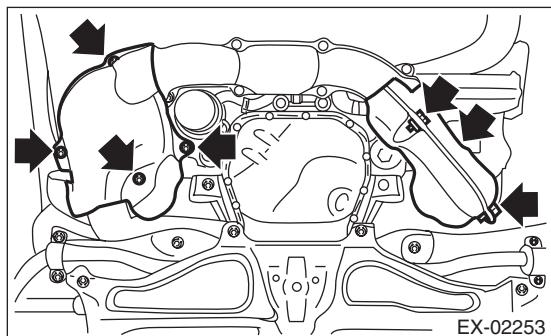
42.5 N·m (4.3 kgf·m, 31.3 ft·lb)



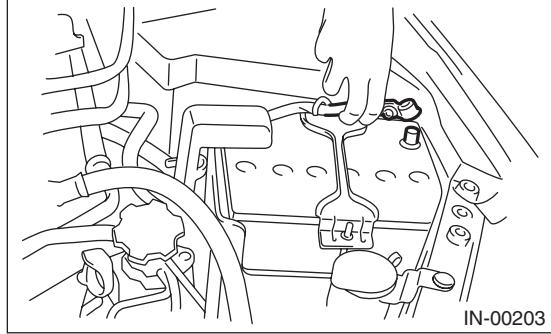
3) Install the exhaust manifold RH lower cover and exhaust manifold LH cover.

**Tightening torque:**

19 N·m (1.9 kgf·m, 14.0 ft·lb)

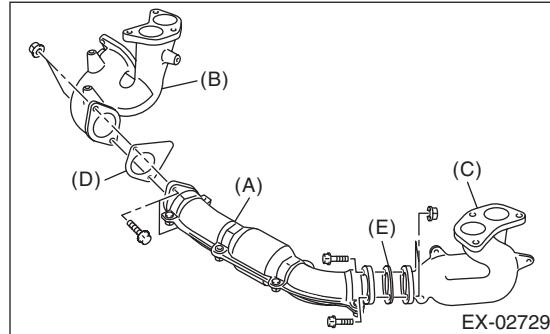


4) Install the front oxygen (A/F) sensor. <Ref. to FU(STI)-54, INSTALLATION, Front Oxygen (A/F) Sensor.> <Ref. to FU(w/o STI)-53, INSTALLATION, Front Oxygen (A/F) Sensor.>  
 5) Install the under cover. <Ref. to EI-28, INSTALLATION, Front Under Cover.>  
 6) Lower the vehicle.  
 7) Connect the battery ground terminal.



## C: DISASSEMBLY

1) Remove the exhaust manifold RH upper cover.  
 2) Remove the exhaust manifold RH and the exhaust manifold LH from the front exhaust pipe.



(A) Front exhaust pipe

(B) Exhaust manifold RH

(C) Exhaust manifold LH

(D) Gasket

(E) Gasket

## D: ASSEMBLY

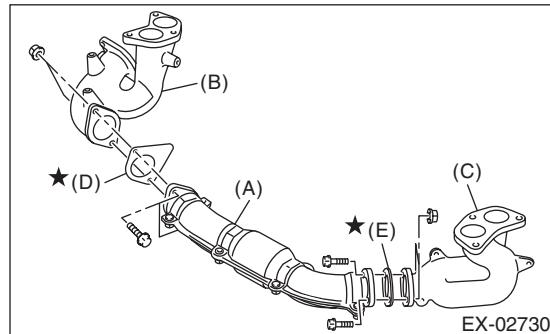
1) Install the exhaust manifold RH and the exhaust manifold LH to the front exhaust pipe.

NOTE:

Use a new gasket.

**Tightening torque:**

42.5 N·m (4.3 kgf·m, 31.3 ft·lb)



(A) Front exhaust pipe

(B) Exhaust manifold RH

(C) Exhaust manifold LH

(D) Gasket

(E) Gasket

2) Install the exhaust manifold RH upper cover.

**Tightening torque:**

19 N·m (1.9 kgf·m, 14.0 ft·lb)

## E: INSPECTION

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