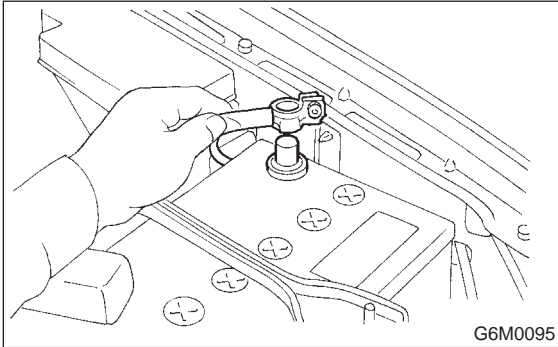


## 1. Front Catalytic Converter

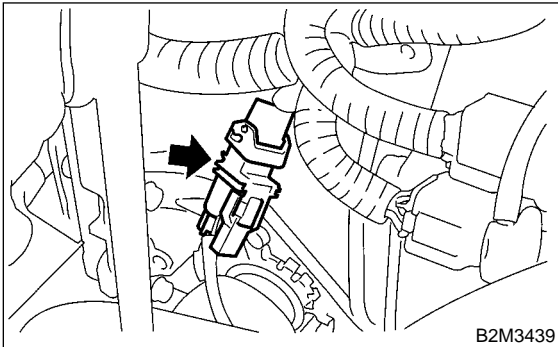
## 1. Front Catalytic Converter

## A: REMOVAL

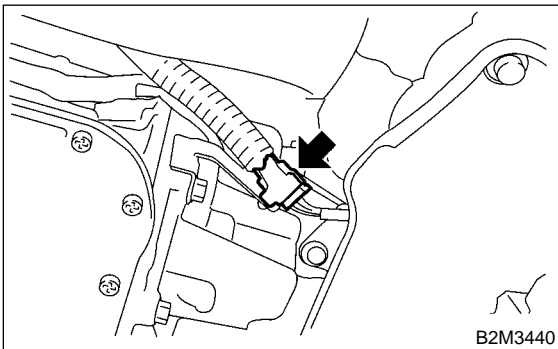
- 1) Set the vehicle on the lift.
- 2) Disconnect battery ground cable.



- 3) Disconnect front oxygen (A/F) sensor connector.



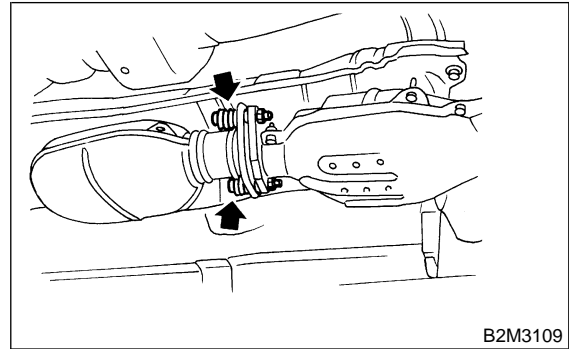
- 4) Lift-up the vehicle.
- 5) Remove under cover.
- 6) Disconnect connector from rear oxygen sensor connector.



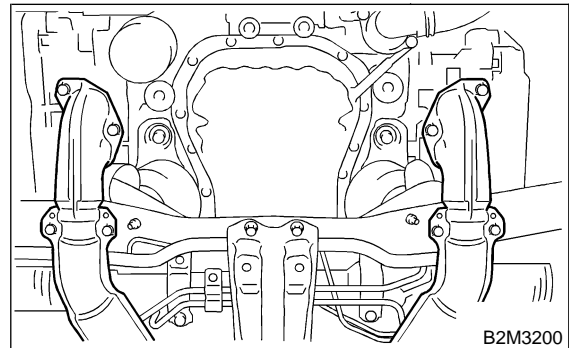
- 7) Separate center exhaust pipe from rear exhaust pipe.

**CAUTION:**

**Be careful, exhaust pipe is hot.**



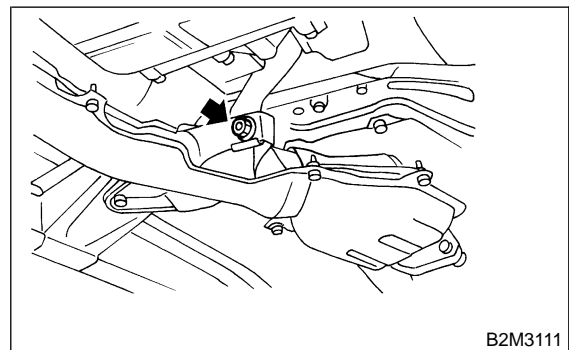
- 8) Remove bolts which hold front exhaust pipe onto cylinder heads.



- 9) Remove front exhaust pipe and center exhaust pipe from hanger bracket.

**CAUTION:**

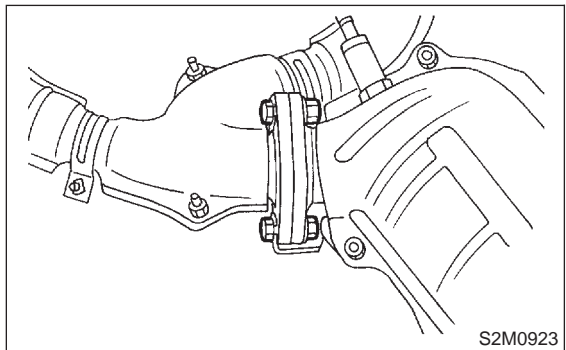
**Be careful not to pull down front exhaust pipe and center exhaust pipe.**



10) Separate front catalytic converter from front exhaust pipe.

**NOTE:**

The rear catalytic converter is integrated with front catalytic converter. Therefore, the procedure for removing rear catalytic converter is the same as the description above.



## B: INSTALLATION

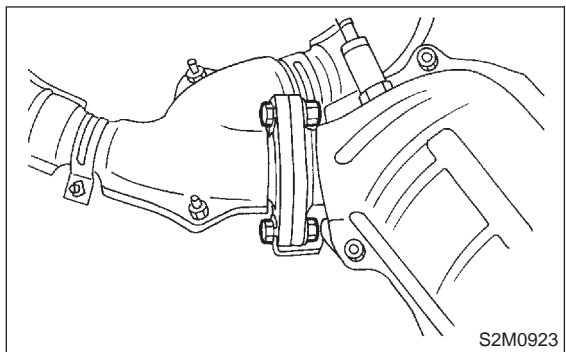
**CAUTION:**

Replace gaskets with new ones.

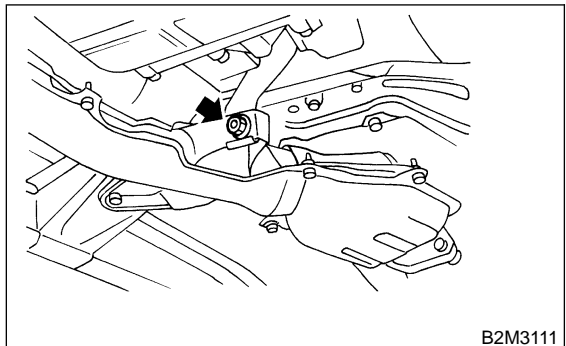
1) Install front catalytic converter to front exhaust pipe.

**Tightening torque:**

**$30\pm 5$  N·m ( $3.1\pm 0.5$  kg·m,  $22.4\pm 3.6$  ft·lb)**



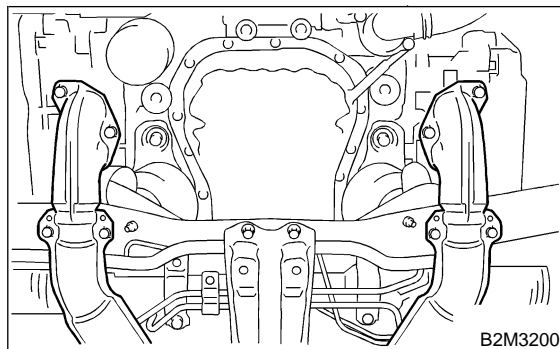
2) Install front exhaust pipe and center exhaust pipe. And temporarily tighten bolt which installs center exhaust pipe to hanger bracket.



3) Tighten bolts which hold front exhaust pipe onto cylinder heads.

**Tightening torque:**

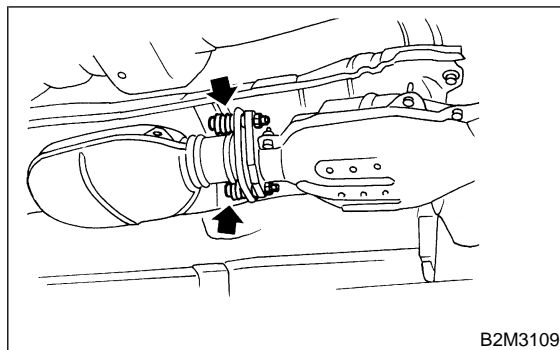
**$18\pm 5$  N·m ( $1.8\pm 0.5$  kg·m,  $13.0\pm 3.6$  ft·lb)**



4) Install center exhaust pipe to rear exhaust pipe.

**Tightening torque:**

**$35\pm 5$  N·m ( $3.6\pm 0.5$  kg·m,  $26.0\pm 3.6$  ft·lb)**



5) Tighten bolt which holds center exhaust pipe to hanger bracket.

**Tightening torque:**

**$35\pm 5$  N·m ( $3.6\pm 0.5$  kg·m,  $26.0\pm 3.6$  ft·lb)**

