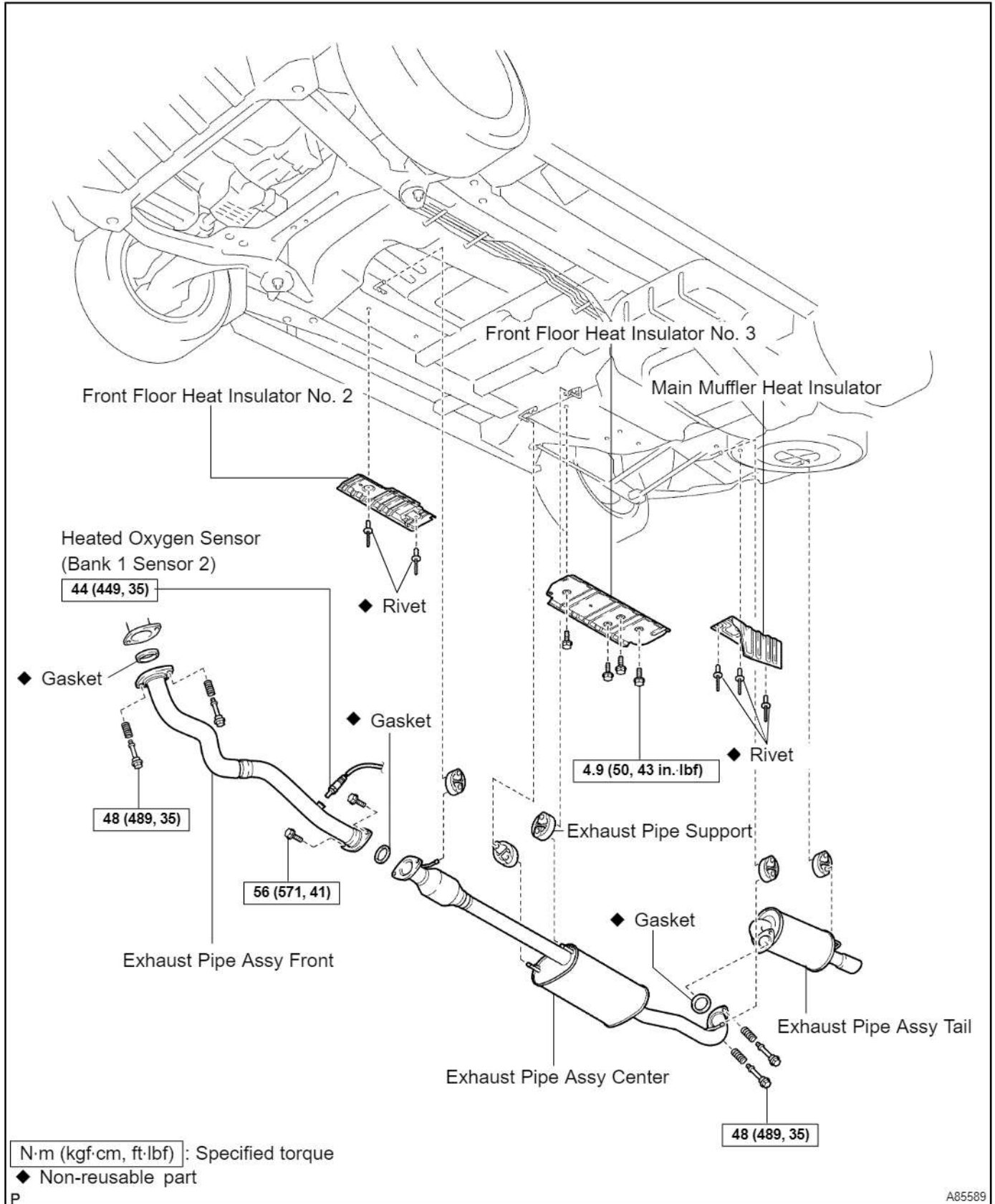


# EXHAUST PIPE ASSY (2AZ-FE)

## COMPONENTS

150AZ-02

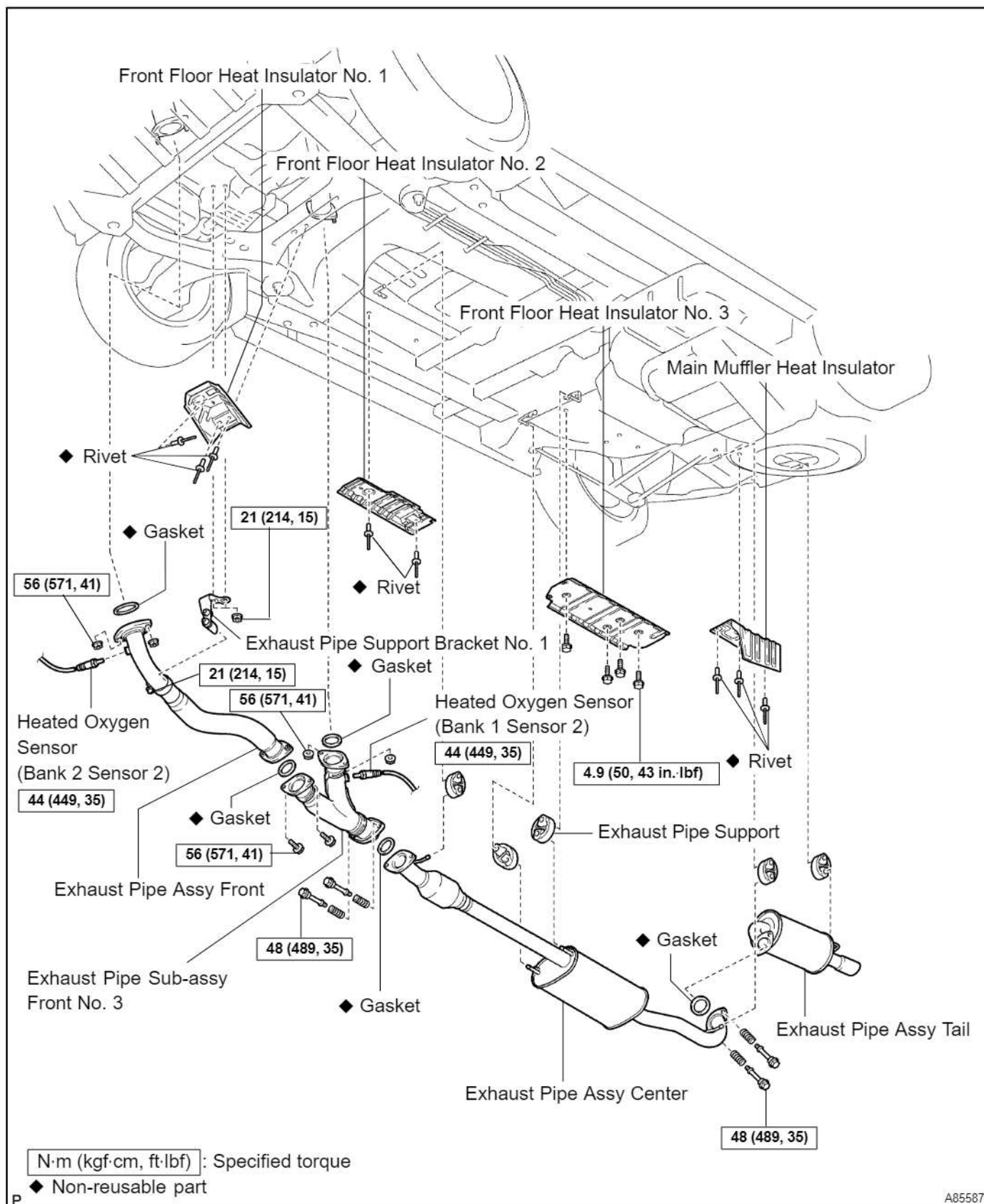


A85589

# EXHAUST PIPE ASSY (3MZ-FE)

## COMPONENTS

150B1-03

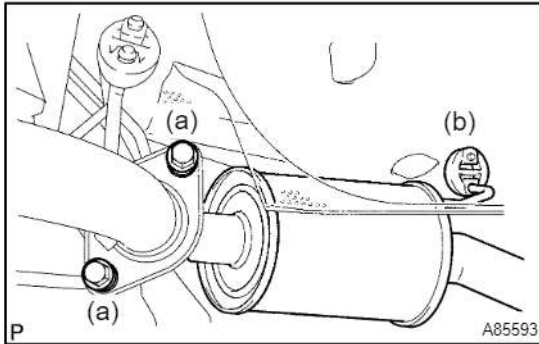


A85587

## REPLACEMENT

### NOTICE:

Check if an old gasket remains on the pipe. If remains, remove it. Check if any bolts or nuts are rusted. If rusted, replace them.



### 1. REMOVE EXHAUST PIPE ASSY TAIL

- (a) Remove the 2 bolts and pipe tail from the exhaust pipe center.
- (b) Remove the pipe tail from the exhaust pipe support.

### 2. REMOVE HEATED OXYGEN SENSOR

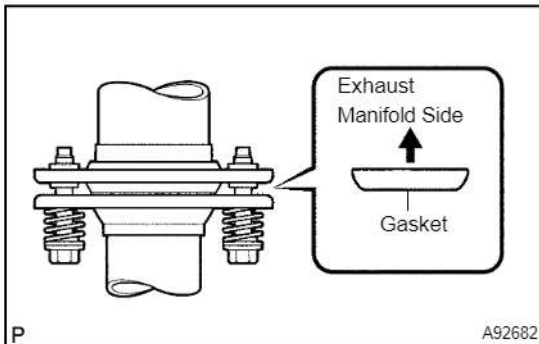
- (a) Disconnect the heated oxygen sensor (bank 1 sensor 2) connector.

### 3. REMOVE EXHAUST PIPE ASSY CENTER

- (a) Remove the 2 bolts and pipe center from the exhaust pipe front.
- (b) Remove the pipe center from the 4 exhaust pipe supports.

### 4. REMOVE EXHAUST PIPE ASSY FRONT

- (a) Remove the 2 bolts and pipe front from the exhaust manifold.



### 5. INSTALL EXHAUST PIPE ASSY FRONT

- (a) Install a new gasket and the pipe front to the exhaust manifold with the 2 bolts.

**Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)**

### 6. INSTALL EXHAUST PIPE ASSY CENTER

- (a) Install the pipe center to the 4 exhaust pipe supports.
- (b) Install a new gasket and the pipe center to the pipe front with the 2 bolts.

**Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)**

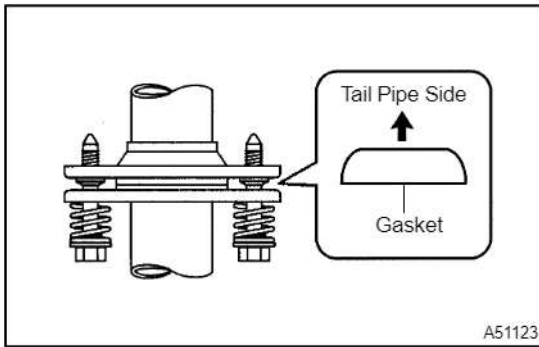
### 7. INSTALL HEATED OXYGEN SENSOR

- (a) Install the heated oxygen sensor (bank 1 sensor 2) to the pipe front.

**Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)**

### HINT:

- Before installing the sensor, twist the sensor wire counterclockwise 3 and 1/2 turns.
- After installing the sensor, check that the sensor wire is not twisted. If it is twisted, remove the sensor and reinstall it.

**8. INSTALL EXHAUST PIPE ASSY TAIL**

- (a) Install the pipe tail to the exhaust pipe support.
- (b) Install a new gasket and the pipe tail to the pipe center with the 2 bolts.

**Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)**

- (c) Install the pipe to the 3 exhaust pipe supports.

**9. CHECK FOR EXHAUST GAS LEAKS**

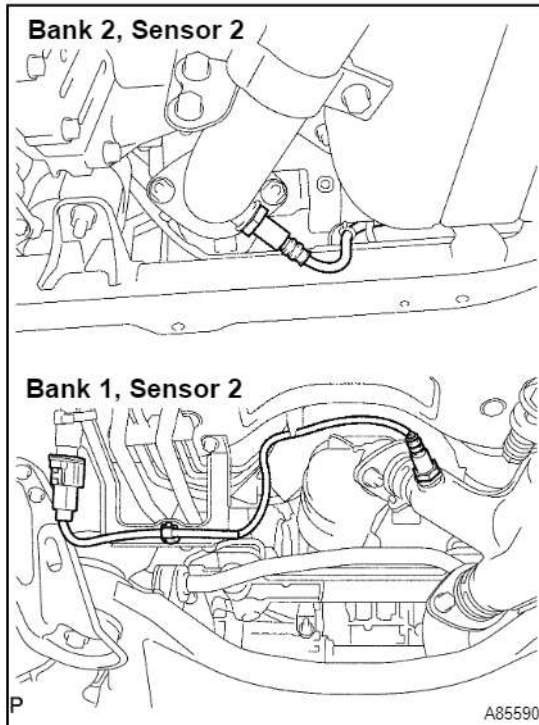
If gas is leaking, tighten the areas necessary to stop the leak.

If damaged, replace it.

## REPLACEMENT

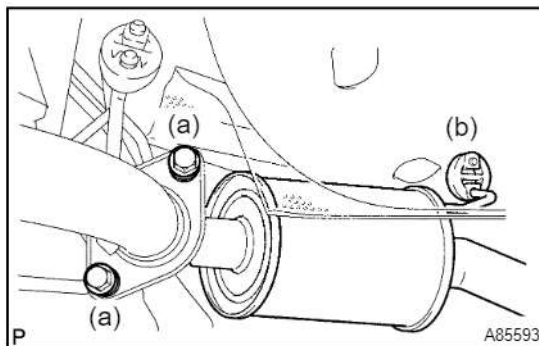
### NOTICE:

Check if an old gasket remains on the pipe. If remains, remove it. Check if any bolts or nuts are rusted. If rusted, replace them.



### 1. REMOVE HEATED OXYGEN SENSOR

- (a) Remove the 2 heated oxygen sensors (bank 1, 2 sensor 2).

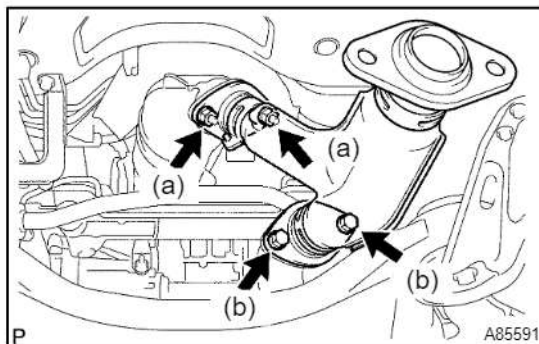


### 2. REMOVE EXHAUST PIPE ASSY TAIL

- (a) Remove the 2 bolts and pipe tail from the exhaust pipe center.
- (b) Remove the pipe tail from the exhaust pipe supports.

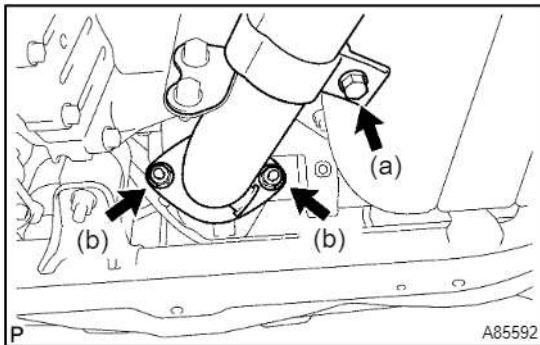
### 3. REMOVE EXHAUST PIPE ASSY CENTER

- (a) Remove the 2 bolts and pipe center from the exhaust pipe front No. 3.
- (b) Remove the pipe center from the 4 exhaust pipe supports.



### 4. REMOVE EXHAUST PIPE SUB-ASSY FRONT NO.3

- (a) Remove the 2 nuts and pipe front No. 3 from the exhaust manifold.
- (b) Remove the 2 bolts and pipe front No. 3 from the exhaust pipe assy front.

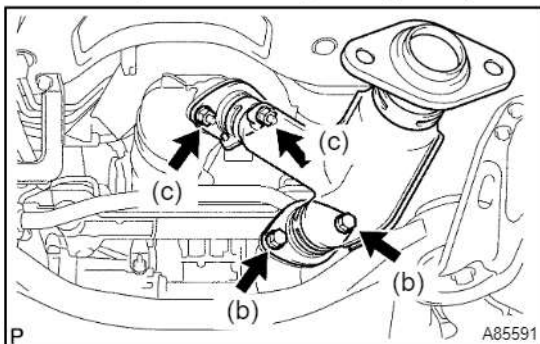


### 5. REMOVE EXHAUST PIPE ASSY FRONT

- (a) Loosen the clamp.
- (b) Remove the 2 nuts and pipe.

### 6. INSTALL EXHAUST PIPE ASSY FRONT

- (a) Install 2 new gaskets and the pipe with the 2 nuts.  
**Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)**
- (b) Tighten the clamp.  
**Torque: 21 N·m (214 kgf·cm, 15 ft·lbf)**

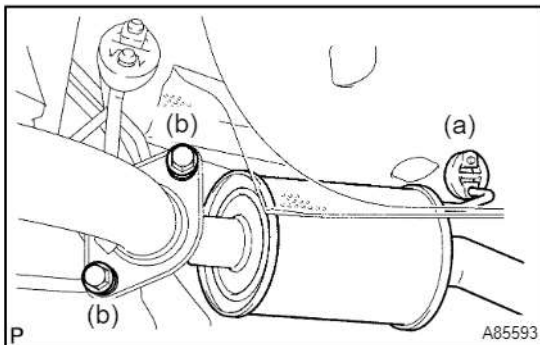


### 7. INSTALL EXHAUST PIPE SUB-ASSY FRONT NO.3

- (a) Install 2 new gaskets to the pipe front No. 3.
- (b) Install the front pipe No. 3 to the pipe front with the 2 bolts.  
**Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)**
- (c) Install the front pipe No. 3 to the exhaust manifold RH with the 2 nuts.  
**Torque: 56 N·m (571 kgf·cm, 41 ft·lbf)**

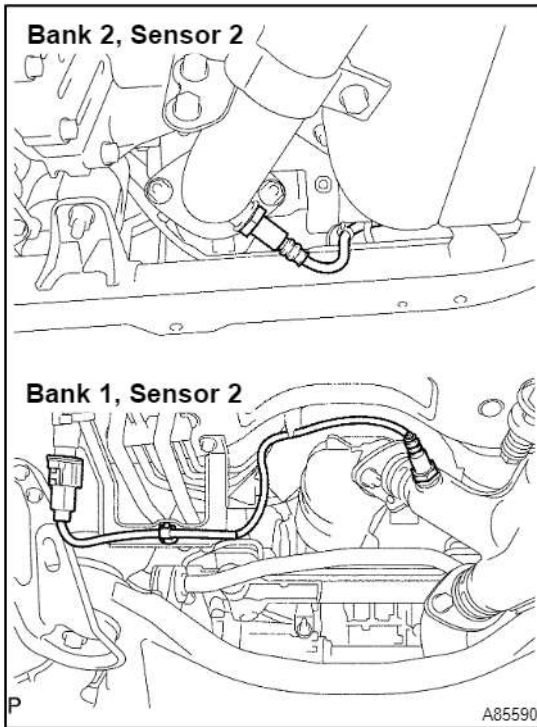
### 8. INSTALL EXHAUST PIPE ASSY CENTER

- (a) Install the pipe center to the 4 exhaust pipe supports.
- (b) Install a new gasket and the pipe center to the front pipe No. 3 with the 2 bolts.  
**Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)**



### 9. INSTALL EXHAUST PIPE ASSY TAIL

- (a) Install the pipe tail to the exhaust pipe support.
- (b) Install a new gasket and the pipe tail to the pipe center with the 2 bolts.  
**Torque: 48 N·m (489 kgf·cm, 35 ft·lbf)**

**10. INSTALL HEATED OXYGEN SENSOR**

- (a) Install the 2 heated oxygen sensors (bank 1, 2 sensor 2).  
**Torque: 44 N·m (449 kgf·cm, 32 ft·lbf)**

**HINT:**

- Before installing the sensor, twist the sensor wire counter-clockwise 3 and 1/2 turns.
- After installing the sensor, check that the sensor wire is not twisted. If it is twisted, remove the sensor and reinstall it.

**11. CHECK FOR EXHAUST GAS LEAKS**

If gas is leaking, tighten the areas necessary to stop the leak.  
If damaged, replace it.