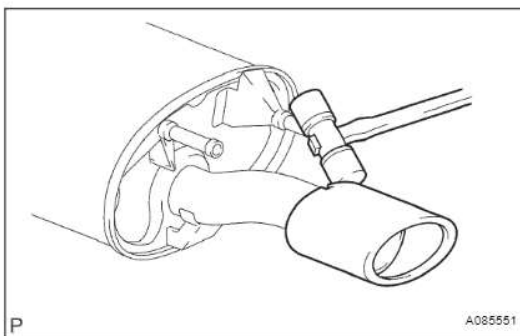


REMOVAL

NOTICE:

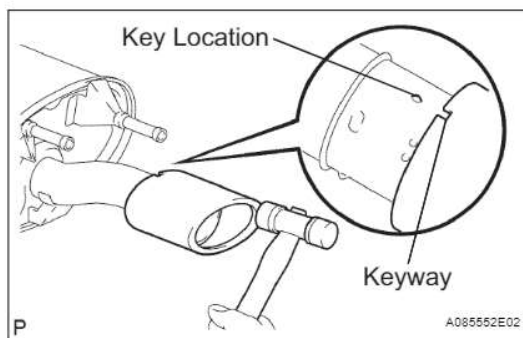
Check if an old gasket still remains on the pipe. If so, remove it. Also, check if any bolts or nuts are rusted. If so, replace them.

1. **REMOVE HEATED OXYGEN SENSOR**
 - (a) Disconnect the 2 heated oxygen sensor (bank 1, 2 sensor 2) connectors.
 - (b) Remove the 2 heated oxygen sensors (bank 1, 2 sensor 2).
2. **REMOVE FRONT EXHAUST PIPE NO. 1 SUPPORT BRACKET**
 - (a) Remove the 2 nuts and front support bracket.
3. **REMOVE FLOOR PANEL BRACE REAR**
 - (a) Remove the 2 bolts and brace.
4. **REMOVE REAR EXHAUST PIPE NO. 1 SUPPORT BRACKET**
 - (a) Remove the 2 bolts and rear support bracket.
5. **REMOVE FRONT EXHAUST PIPE ASSEMBLY**
 - (a) Remove the 2 nuts holding the exhaust manifold converter No. 2 to the pipe front.
 - (b) Remove the 2 bolts holding the exhaust manifold converter RH to the pipe front.
 - (c) Remove the 2 bolts and 2 nuts holding the exhaust pipe center to the pipe front. Then remove the pipe front.
6. **REMOVE CENTER EXHAUST PIPE ASSEMBLY**
 - (a) Remove the 2 nuts from the pipe tail.
 - (b) Remove the pipe center from the 2 exhaust pipe supports.
 - (c) Remove the gasket between the pipe center and pipe tail.
7. **REMOVE TAIL EXHAUST PIPE ASSEMBLY**
 - (a) Remove the pipe tail from the 3 exhaust pipe supports.
8. **REMOVE TAIL PIPE BAFFLE**
 - (a) Using a plastic hammer, tap the baffle uniformly to remove it.

EX

EX-4

3MZ-FE EXHAUST – EXHAUST PIPE



INSTALLATION

1. INSTALL TAIL PIPE BAFFLE

- Align the keyway of the baffle with the key location on the pipe assembly tail.
- Using a plastic hammer, tap the baffle to install it.

2. INSTALL TAIL EXHAUST PIPE ASSEMBLY

- Install the pipe tail with the 3 exhaust pipe supports.

3. INSTALL CENTER EXHAUST PIPE ASSEMBLY

- Install a new gasket between the pipe center and pipe tail.
- Install the exhaust pipe center to the 2 exhaust pipe supports.
- Install the pipe center with the 2 nuts.

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

4. INSTALL FRONT EXHAUST PIPE ASSEMBLY

- Install the 3 new gaskets to the pipe front.
- Install the pipe front to the exhaust manifold converter RH with the 2 bolts.
- Install the pipe front to the exhaust manifold converter No. 2 with the 2 nuts.

Torque: 62 N*m (632 kgf*cm, 46 ft.*lbf)

- Install the pipe front to the pipe center with the 2 bolts and 2 nuts.

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

5. INSTALL REAR EXHAUST PIPE NO. 1 SUPPORT BRACKET

- Install the rear support bracket with the 2 bolts.

Torque: 33 N*m (337 kgf*cm, 24 ft.*lbf)

NOTICE:

Do not install the bracket facing the wrong direction.

6. INSTALL FLOOR PANEL BRACE REAR

- Install the floor panel brace with the 2 bolts.

Torque: 19.5 N*m (199 kgf*cm, 14 ft.*lbf)

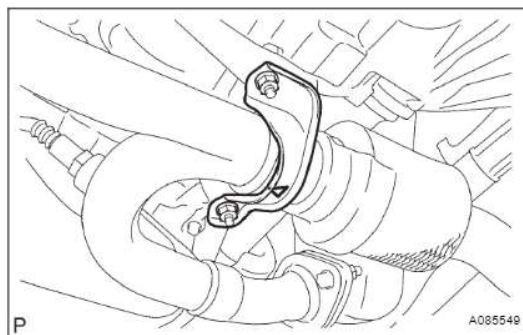
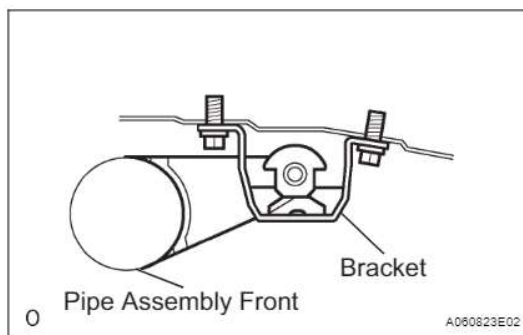
7. INSTALL FRONT EXHAUST PIPE NO. 1 SUPPORT BRACKET

- Install the front support bracket with the 2 nuts.

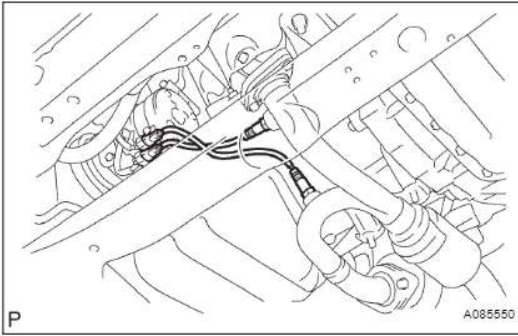
Torque: 33 N*m (337 kgf*cm, 24 ft.*lbf)

NOTICE:

Do not install the support bracket facing the wrong direction.



EX

3MZ-FE EXHAUST – EXHAUST PIPE**EX-5****8. 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)

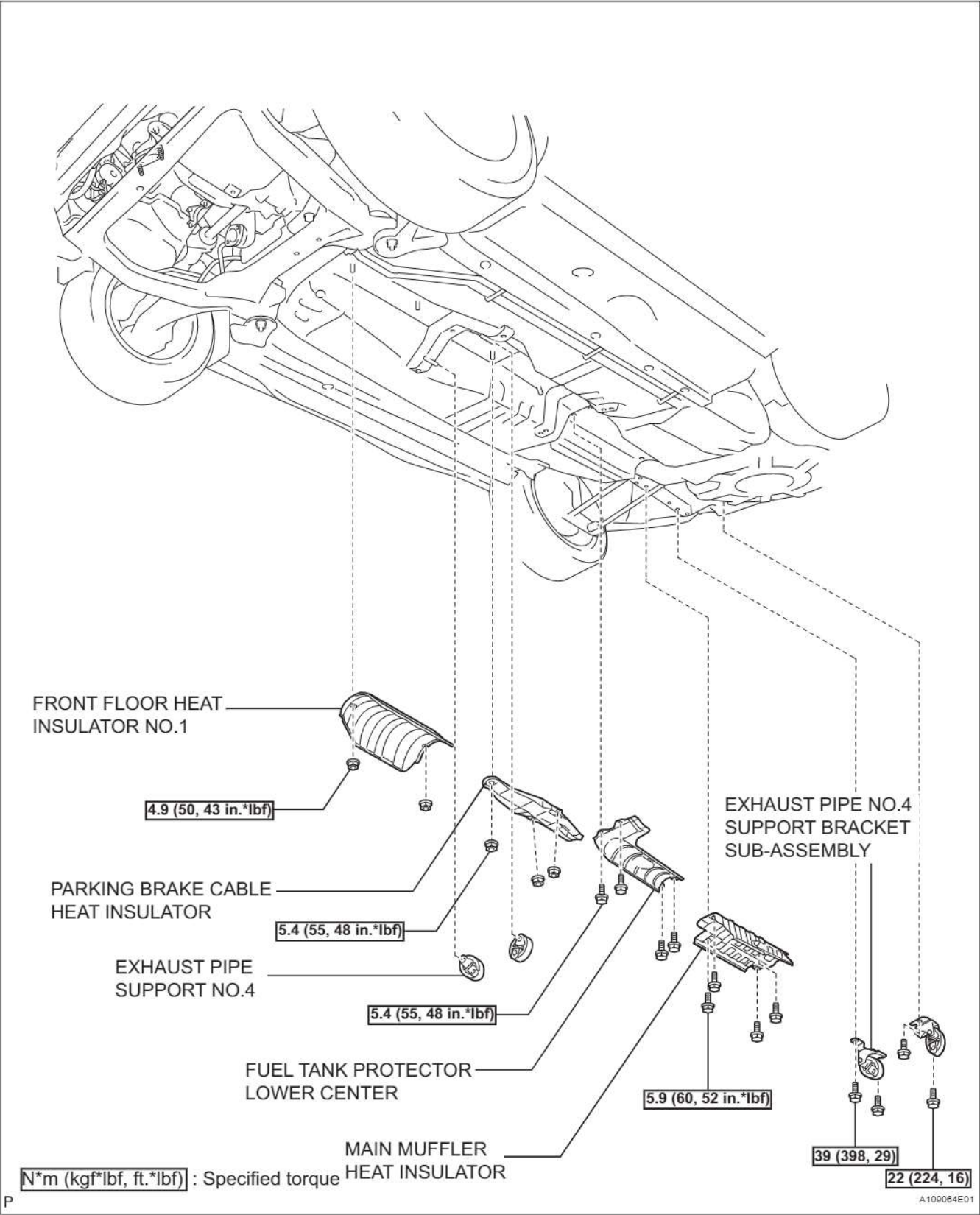
- (b) Connect the 2 heated oxygen sensor (bank 1, 2 sensor 2) connectors.

9. CHECK FOR EXHAUST GAS LEAKS

If gas is leaking, tighten the areas necessary to stop the leak. Replace damaged parts as necessary.

EX

EXHAUST PIPE
COMPONENTS



EX

EX-2

3MZ-FE EXHAUST – EXHAUST PIPE

