

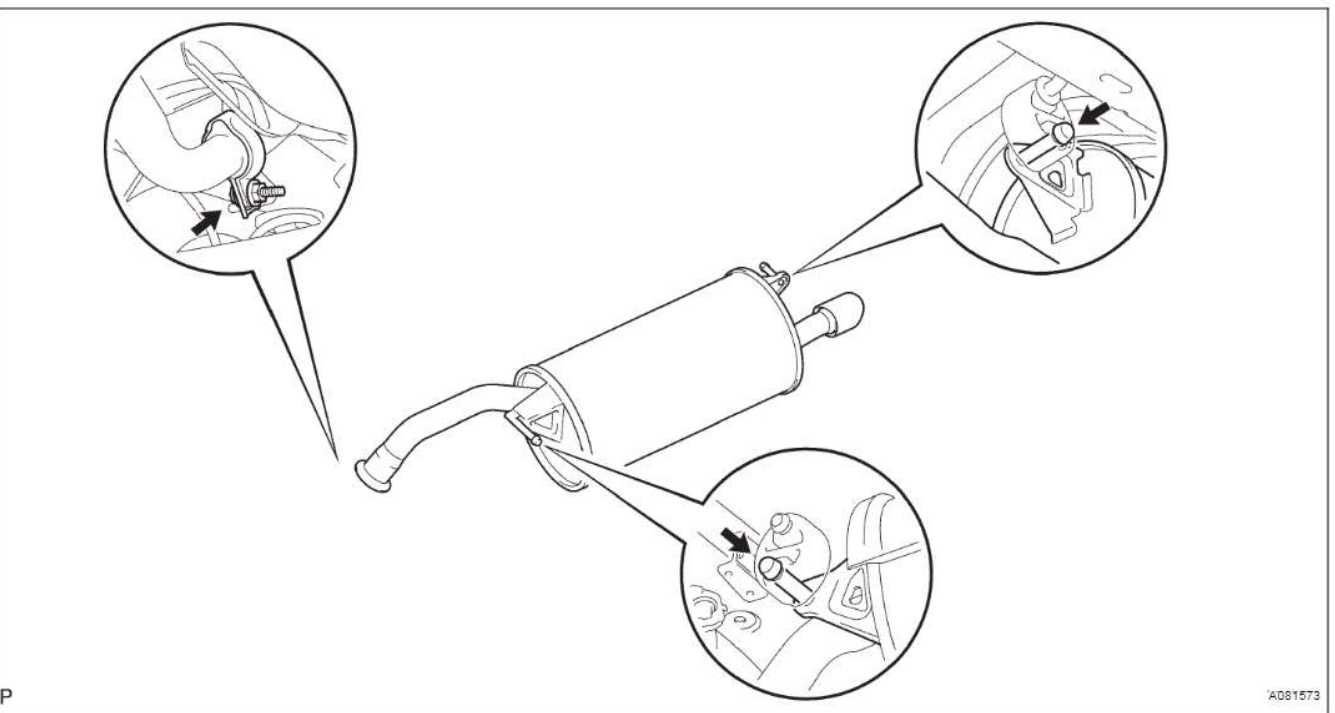
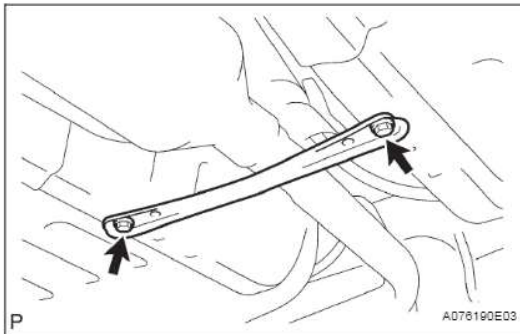
REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. **REMOVE SHIFT LEVER KNOB** (for Manual Transaxle)
3. **REMOVE REAR CONSOLE BOX** (See page [IP-41](#))
4. **REMOVE FRONT FLOOR PANEL BRACE**
 - (a) Remove the 2 bolts and floor panel brace.
5. **REMOVE TAILPIPE**
 - (a) Remove the bolt and clamp.
 - (b) Disconnect the 2 exhaust pipe supports, and remove the tailpipe and gasket.

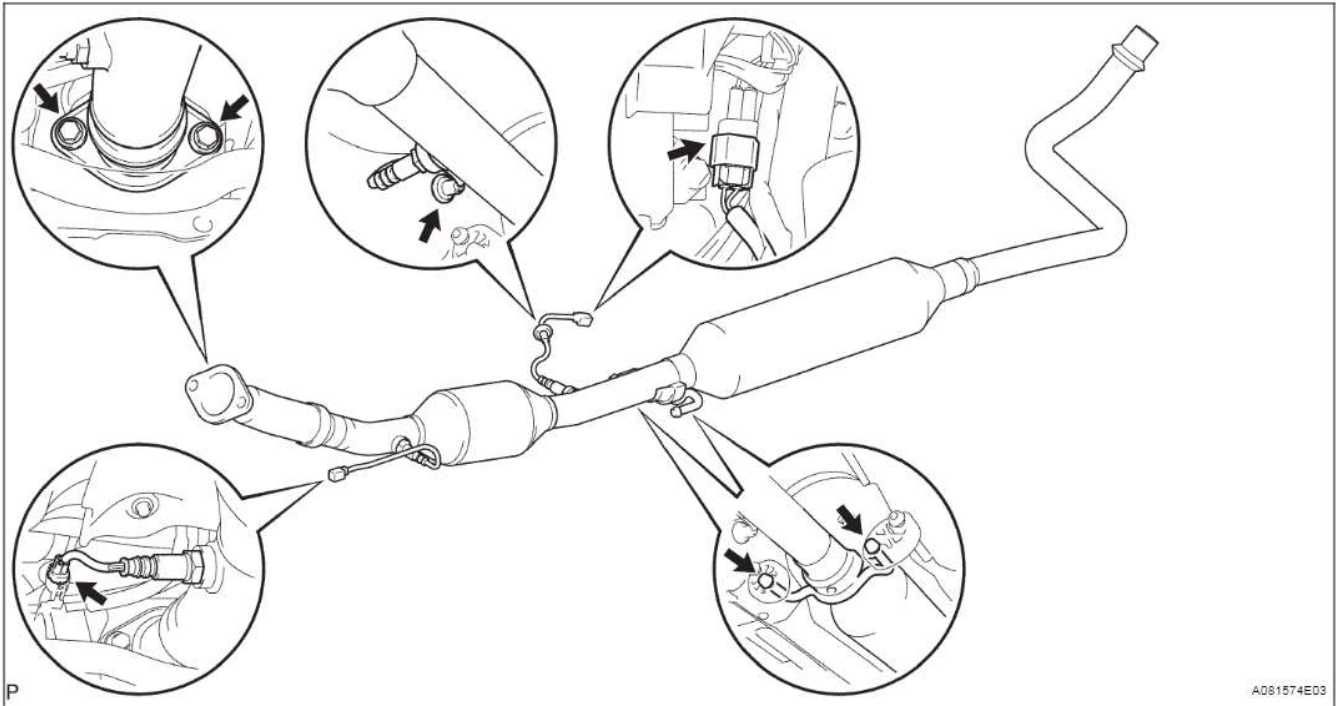
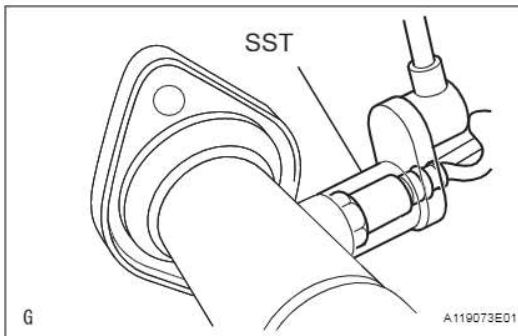


6. **REMOVE FRONT EXHAUST PIPE**
 - (a) Disconnect the 2 heated oxygen sensor connectors.
 - (b) Remove the grommet.
 - (c) Remove the 2 bolts and 2 compression springs.
 - (d) Disconnect the 2 exhaust pipe supports, and remove the front exhaust pipe.

EX

EX-4**1NZ-FE EXHAUST – EXHAUST PIPE**

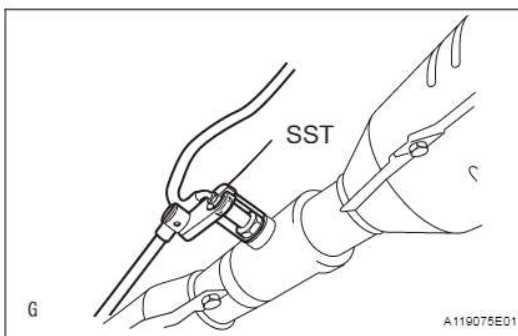
(e) Remove the gasket from the exhaust manifold.

**EX**

7. REMOVE HEATED OXYGEN SENSOR (for Bank 1 Sensor 1)

(a) Using SST, remove the sensor from the front exhaust pipe.

SST 09224-00010



8. REMOVE HEATED OXYGEN SENSOR (for Bank 1 Sensor 2)

(a) Using SST, remove the sensor from the front exhaust pipe.

SST 09224-00010

1NZ-FE EXHAUST – EXHAUST PIPE

EX-5

INSTALLATION

1. INSTALL HEATED OXYGEN SENSOR (for Bank 1 Sensor 2)

- (a) Using SST, install the sensor to the front exhaust pipe.

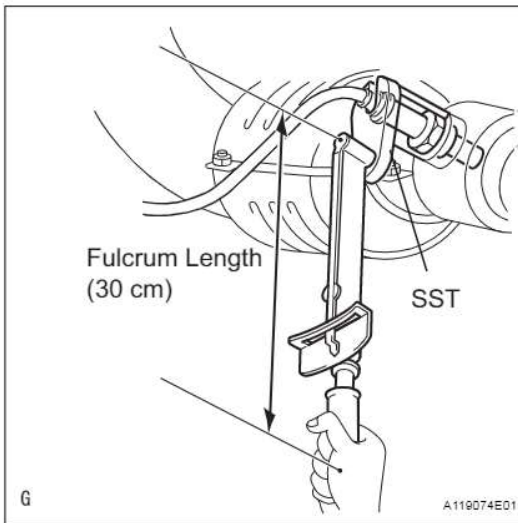
SST 09224-00010

Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf) for use with SST

44 N*m (449 kgf*cm, 32 ft.*lbf) for use without SST

HINT:

Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).



2. REMOVE HEATED OXYGEN SENSOR (for Bank 1 Sensor 1)

- (a) Using SST, install the sensor to the front exhaust pipe.

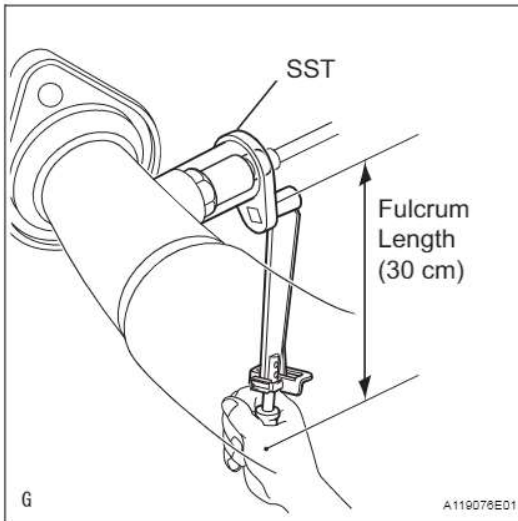
SST 09224-00010

Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf) for use with SST

44 N*m (449 kgf*cm, 32 ft.*lbf) for use without SST

HINT:

Use a torque wrench with a fulcrum length of 30 cm (11.81 in.).



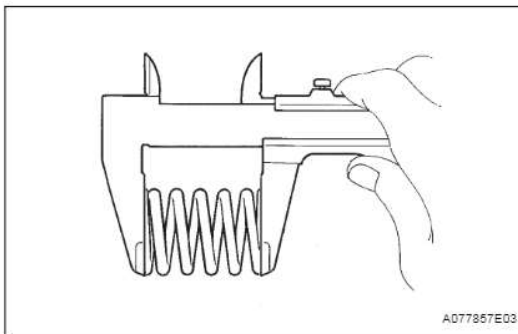
3. INSTALL FRONT EXHAUST PIPE

- (a) Using a vernier caliper, measure the free length of the compression spring.

Minimum length:

40.5 mm (1.594 in.)

If the length is less than the minimum, replace the compression spring.

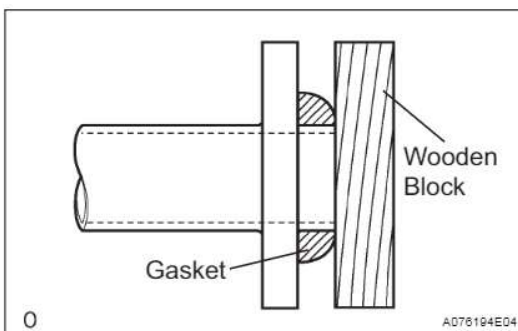


- (b) Using a plastic-faced hammer and wooden block, tap in a new gasket until its surface is flush with the exhaust manifold.

NOTICE:

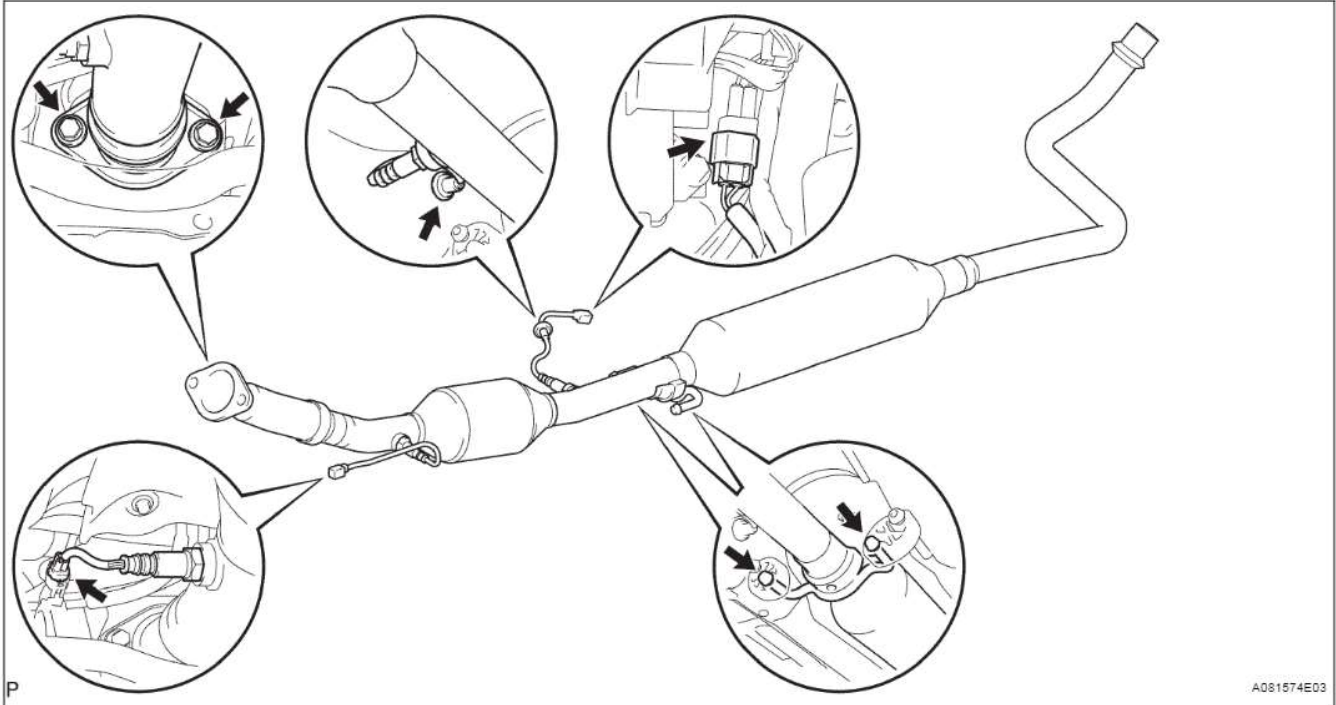
- Tap in the gasket in the correct direction.
- Do not reuse the removed gasket.
- Do not push in the gasket while installing the exhaust pipe.

- (c) Connect the 2 exhaust pipe supports, and install the exhaust pipe.

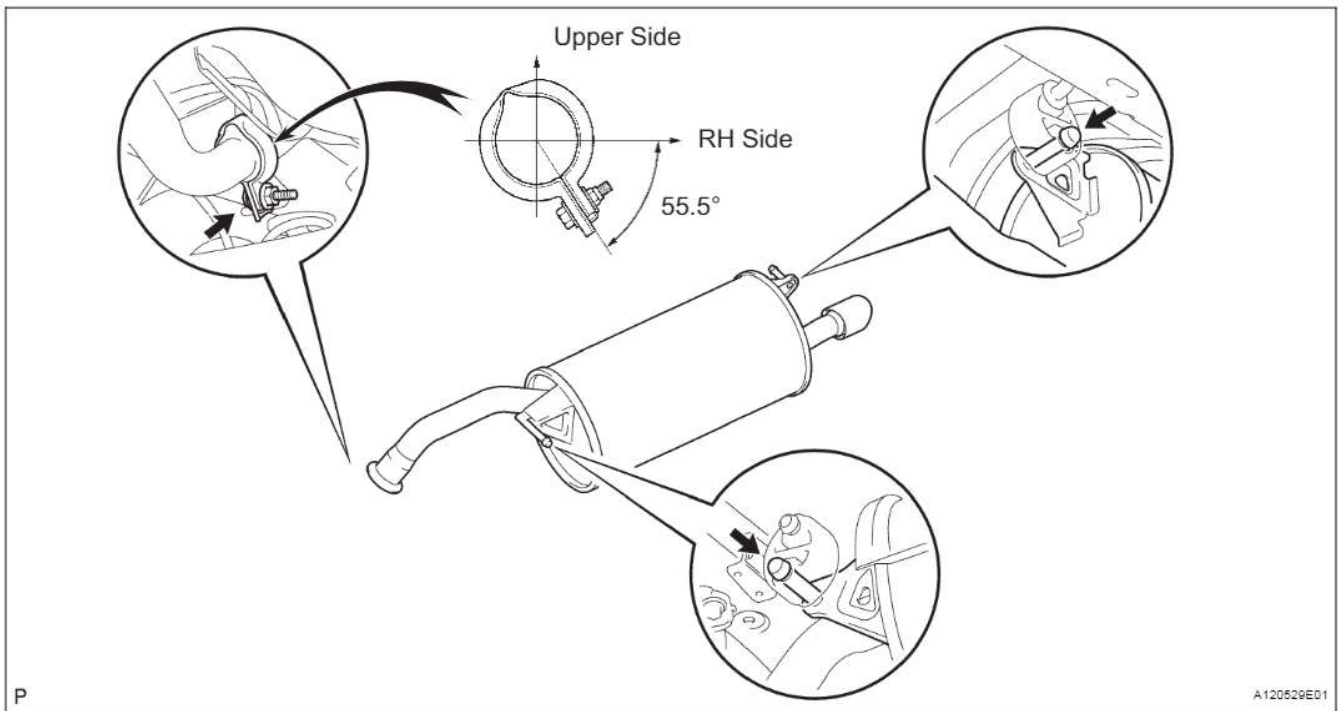


EX-6**1NZ-FE EXHAUST – EXHAUST PIPE**

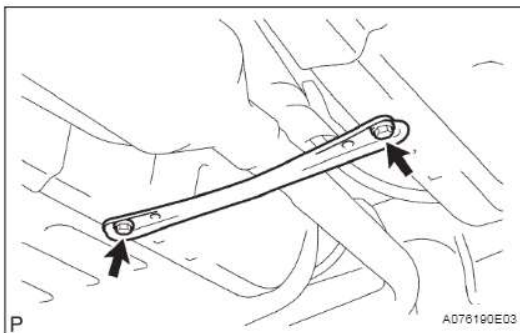
- (d) Install the 2 compression springs and 2 bolts.
Torque: 43 N*m (438 kgf*cm, 32 ft.*lbf)
- (e) Connect the 2 heated oxygen sensor connectors.
- (f) Install the grommet.

**4. INSTALL TAILPIPE**

- (a) Install a new gasket onto the front exhaust pipe.
- (b) Connect the 2 exhaust pipe supports, and install the tailpipe.
- (c) Install the clamp with the bolt as shown in the illustration.
Torque: 32 N*m (326 kgf*cm, 24 ft.*lbf)

1NZ-FE EXHAUST – EXHAUST PIPE**EX-7****EX**

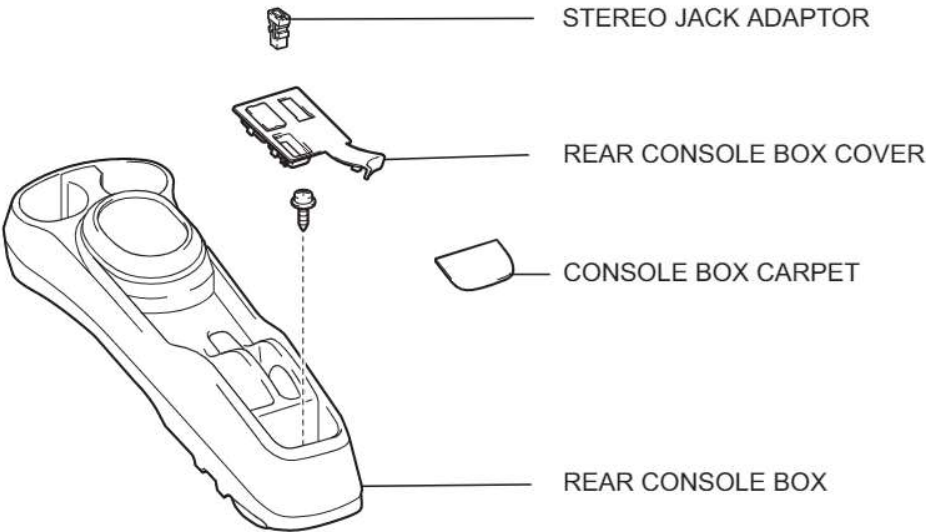
5. CHECK FOR EXHAUST GAS LEAKS
6. INSTALL FRONT PANEL BRACE
 - (a) Install the floor panel brace with the 2 bolts.
Torque: 20 N*m (204 kgf*cm, 14 ft.*lbf)
7. INSTALL REAR CONSOLE BOX (See page [IP-42](#))
8. INSTALL SHIFT LEVER KNOB (for Manual Transaxle)
9. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL



EXHAUST PIPE

COMPONENTS

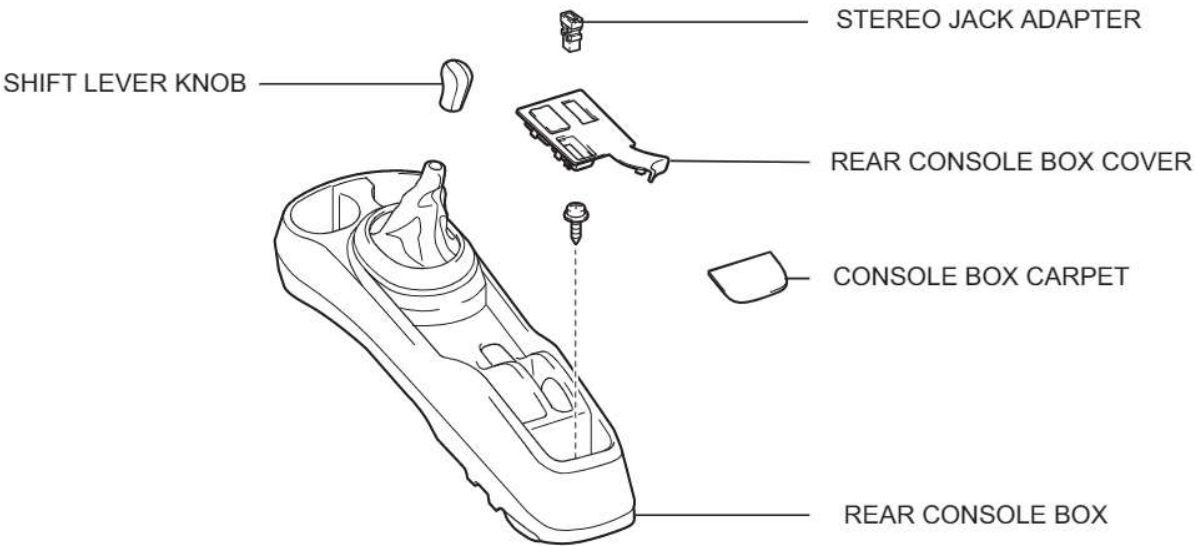
Automatic Transaxle



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EX

Manual Transaxle

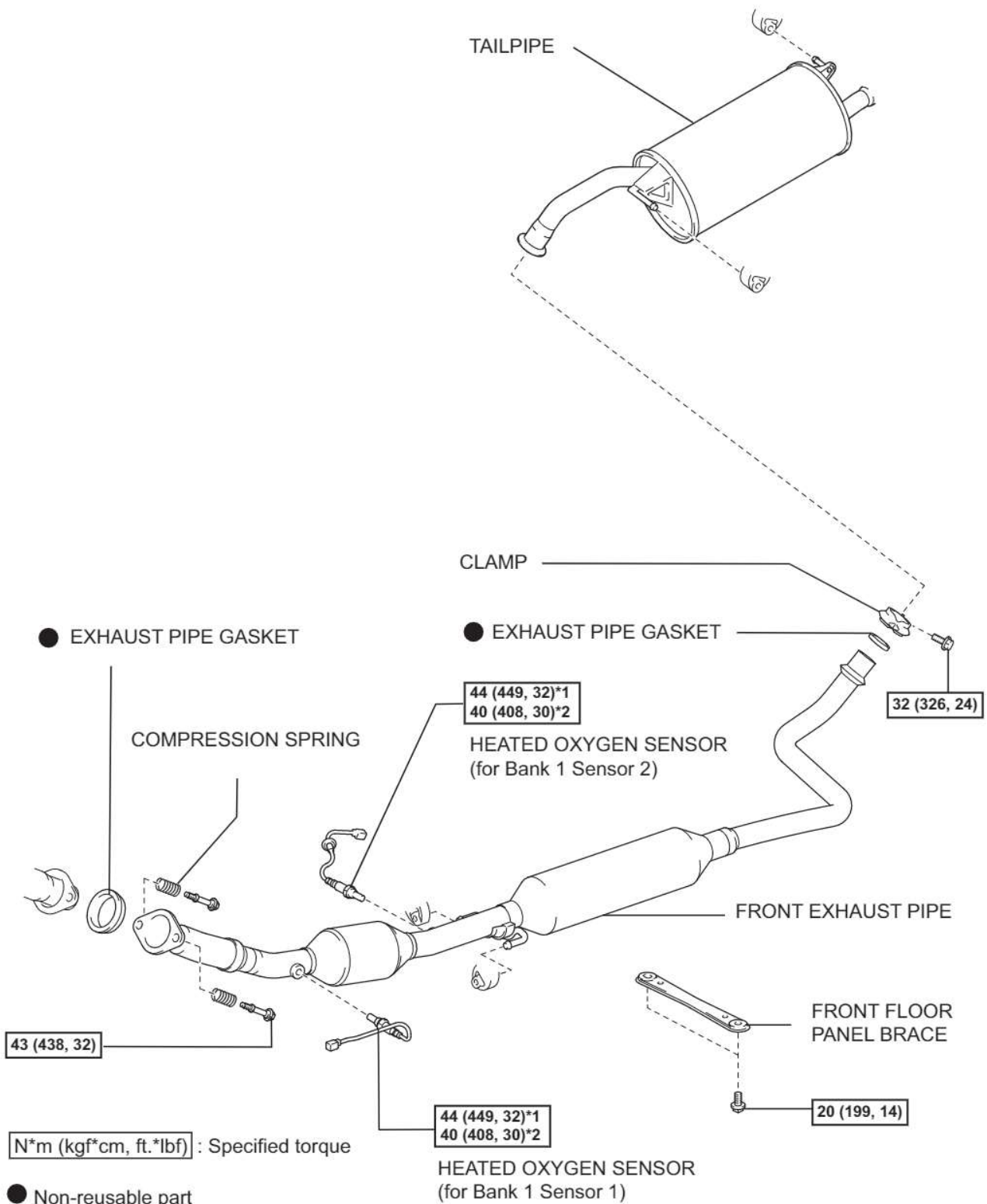


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EX-2

1NZ-FE EXHAUST – EXHAUST PIPE

EX



P

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