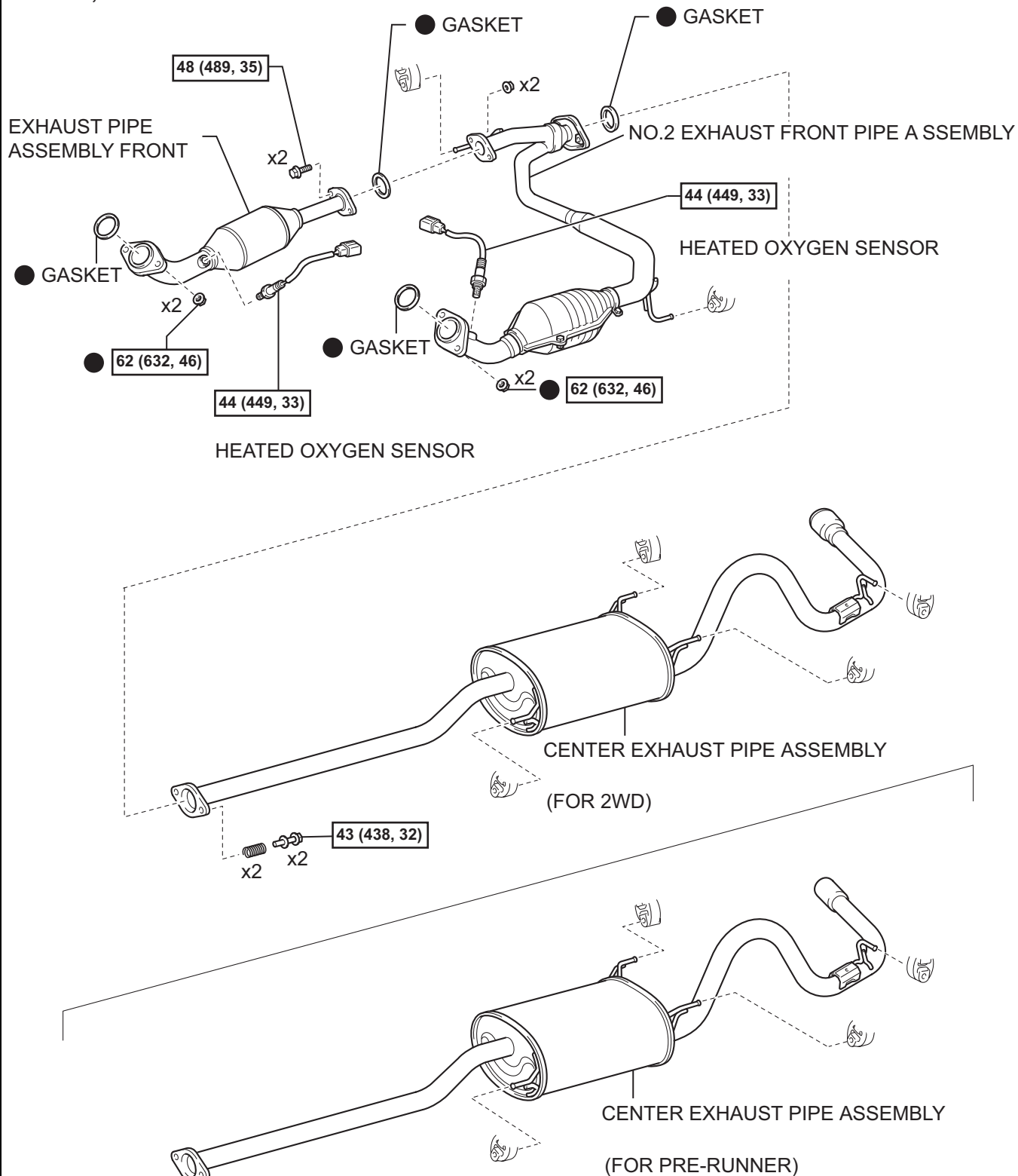


EXHAUST PIPE

COMPONENTS

For 2WD, PRE RUNNER:



EXHAUST PIPE ASSEMBLY FRONT

48 (489, 35)

x2

GASKET

62 (632, 46)

44 (449, 33)

HEATED OXYGEN SENSOR

GASKET

NO.2 EXHAUST FRONT PIPE ASSEMBLY

44 (449, 33)

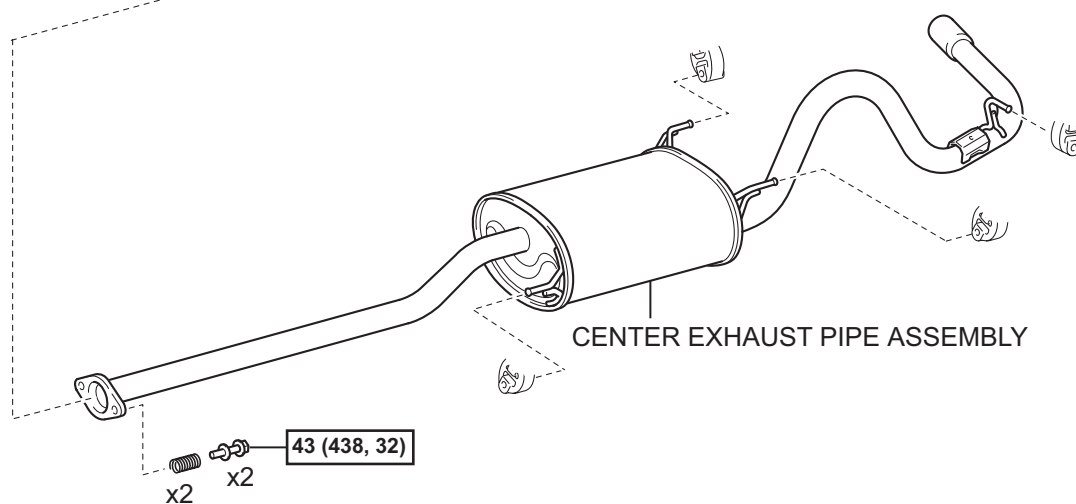
HEATED OXYGEN SENSOR

62 (632, 46)

x2

GASKET

EX



- Non-reusable part

Y

REMOVAL

1. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE HEATED OXYGEN SENSOR (See page [EC-19](#))**
3. **REMOVE EXHAUST PIPE ASSEMBLY CENTER**
 - (a) Remove the 2 bolts and 2 compression springs, then separate the exhaust pipe center.
 - (b) Separate the 4 insulators from the exhaust tail pipe, then remove the exhaust pipe center.
4. **REMOVE EXHAUST FRONT PIPE ASSEMBLY NO.2**
 - (a) Remove the 2 bolts and 2 nuts, then separate the exhaust front pipe No. 2 from the exhaust front pipe.
 - (b) Remove the 2 nuts, then separate the exhaust front pipe No. 2 from the exhaust manifold LH.
 - (c) Separate the insulator, then remove the exhaust front pipe No. 2.
5. **REMOVE EXHAUST PIPE ASSEMBLY FRONT**
 - (a) Remove the 2 nuts, then remove the exhaust front pipe.

INSTALLATION

1. INSTALL EXHAUST PIPE ASSEMBLY FRONT

- Install a new gasket onto the exhaust manifold RH.
- Install the exhaust front pipe with the new 2 nuts.

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

2. INSTALL EXHAUST FRONT PIPE ASSEMBLY NO.2

- Install a new gasket onto the exhaust manifold LH.
- Install a new gasket onto the exhaust front pipe.
- Install the exhaust front pipe No. 2 onto the insulator.

- Install the exhaust front pipe No. 2 onto the exhaust manifold LH with the new 2 nuts.

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

- Install the exhaust front pipe No. 2 onto the exhaust front pipe with the 2 bolts and 2 nuts.

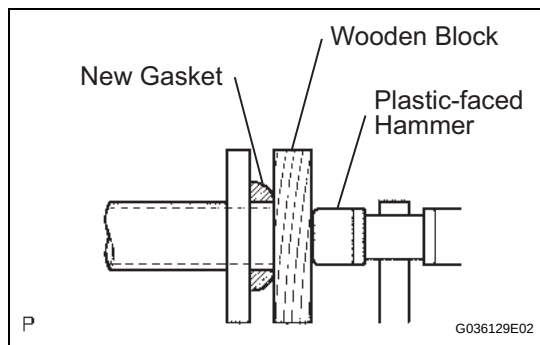
Torque: 48 N*m (489 kgf*cm, 35 ft.*lbf)

- Install a new gasket onto the exhaust front pipe No. 2.

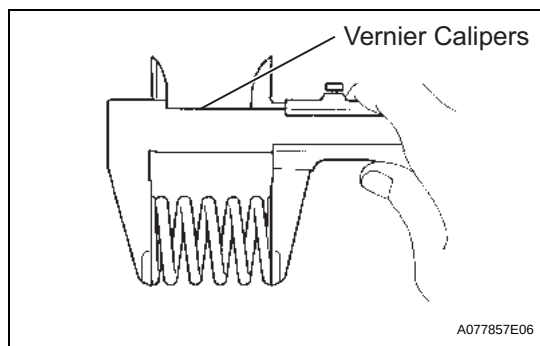
- Using a wooden block and plastic-faced hammer, tap in a new gasket until it is flush with the exhaust front pipe No. 2.

NOTICE:

- Make sure that the gasket is in the correct direction when installing.
- Do not reuse the removed gasket.



EX



3. INSTALL EXHAUST PIPE ASSEMBLY CENTER

- Check the free length.
 - Using vernier calipers, measure the free length of the compression spring.

Minimum:

40.5 mm (1.594 in.)

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

- Install the exhaust tail pipe onto the 4 insulators.
- Install the exhaust pipe center onto the exhaust front pipe No. 2 with the 2 bolts and 2 springs.

Torque: 43 N*m (438 kgf*cm, 32 ft.*lbf)

4. INSTALL HEATED OXYGEN SENSOR (See page [EC-19](#))

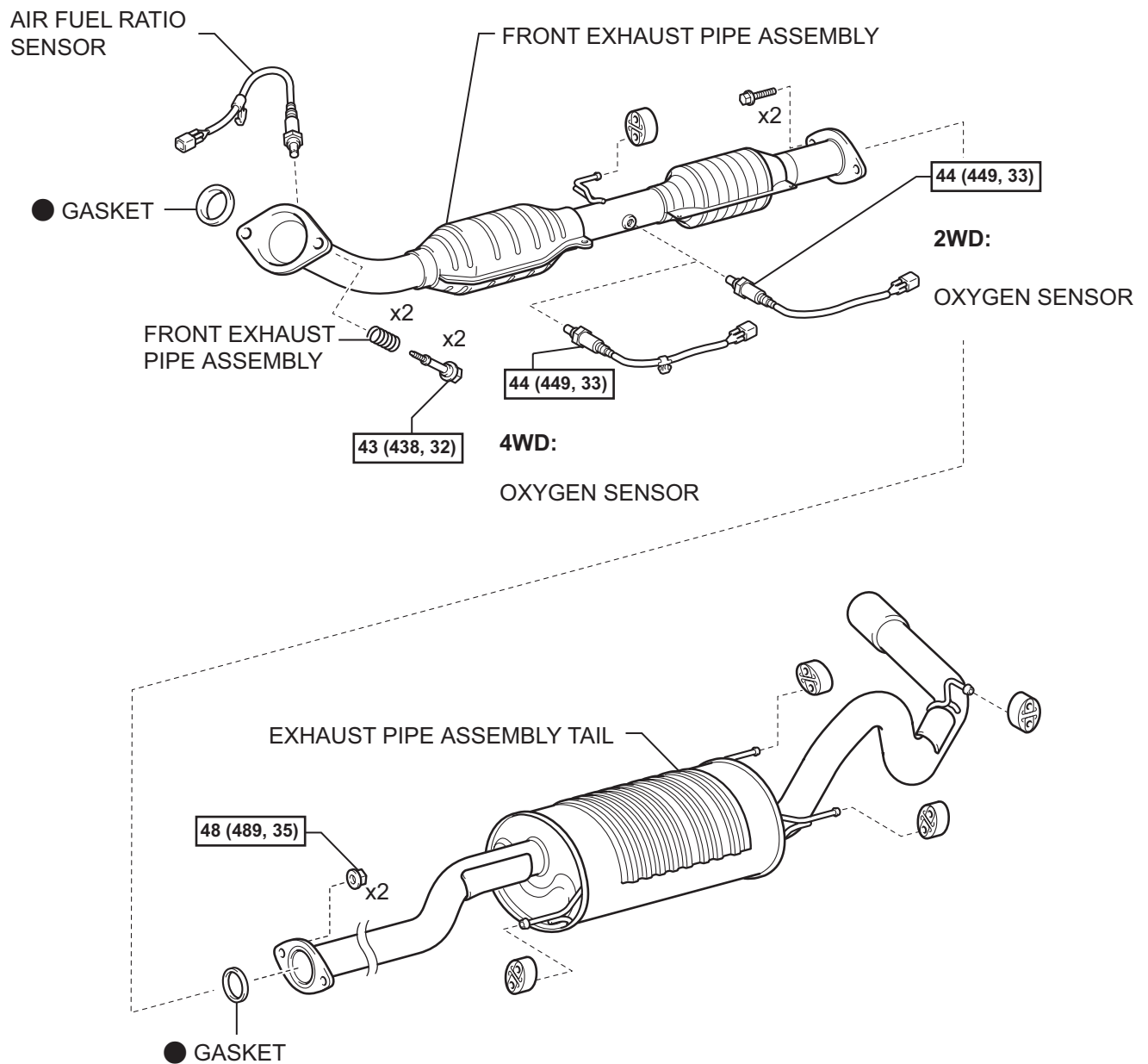
5. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)

6. CHECK FOR EXHAUST GAS LEAKAGE

EXHAUST PIPE

COMPONENTS



[N*m (kgf*cm, ft.*lbf)] : Specified torque

● Non-reusable part

EX

REMOVAL

1. **CABLE FROM NEGATIVE BATTERY TERMINAL**
2. **REMOVE AIR FUEL RATIO SENSOR** (See page [EC-25](#))
3. **REMOVE OXYGEN SENSOR** (See page [EC-27](#))
4. **REMOVE EXHAUST PIPE ASSEMBLY TAIL**
 - (a) Remove the 2 bolts and 2 nuts.
 - (b) Remove the exhaust pipe tail from the 4 exhaust pipe supports.
 - (c) Remove the gasket from the exhaust pipe front.
5. **REMOVE EXHAUST PIPE ASSEMBLY FRONT**
 - (a) Remove the 2 bolts and 2 compression springs.
 - (b) Remove the exhaust pipe front from the exhaust pipe support.
 - (c) Remove the gasket from the exhaust manifold.

INSTALLATION

1. INSTALL EXHAUST PIPE ASSEMBLY FRONT

- (a) Check the free length.
 - (1) Using vernier calipers, measure the free length of the compression spring.
Minimum:
40.5 mm (1.594 in.)
 If the free length is less than the minimum, replace the compression spring.

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

NOTICE:

- **Make sure that the gasket is in the correct angle when installing.**
- **Do not reuse the removed gasket.**
- **Never push a new gasket into the exhaust manifold by installing the exhaust pipe front into the exhaust manifold.**

- (c) Install the exhaust pipe front into the exhaust pipe support.
- (d) Tighten the 2 bolts and 2 compression springs.
Torque: 43 N*m (438 kgf*cm, 32 ft.*lbf)

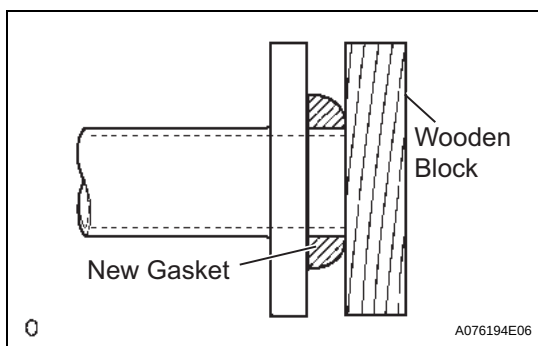
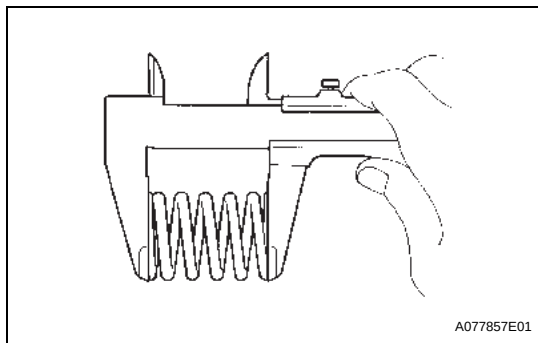
2. INSTALL EXHAUST PIPE ASSEMBLY TAIL

- (a) Install a new gasket onto the exhaust pipe front.
- (b) Install the exhaust pipe tail onto the 4 exhaust pipe supports.
- (c) Tighten the 2 bolts and 2 nuts.
Torque: 48 N*m (489 kgf*cm, 35 ft.*lbf)

3. INSTALL OXYGEN SENSOR

 (See page [EC-28](#))

4. INSTALL AIR FUEL RATIO SENSOR

 (See page [EC-28](#))


EX

-
5. **CONNECT CABLE TO NEGATIVE BATTERY
TERMINAL**
Torque: 3.9 N*m (40 kgf*cm, 35 in.*lbf)
 6. **CHECK FOR EXHAUST GAS LEAKAGE**