

## REPLACEMENT

### 1. REPLACE FRONT TWC

- (a) Check that the TWC is cool.
- (b) Remove the TWC.
  - (1) Remove the 4 bolts holding the pipe support bracket to the transmission.
  - (2) Remove the 4 bolts holding the front exhaust pipe to TWC, 2 bracket and remove the pipe support bracket.
  - (3) Disconnect the front exhaust pipe from the TWC, and remove the 2 gaskets.
  - (4) Remove the 3 nuts, TWC and gasket. Remove the 2 TWC.
- (c) Reinstall the TWC.
  - (1) Using a 14 mm deep socket wrench, install a new gasket and the TWC with 3 new nuts. Install the 2 TWC.

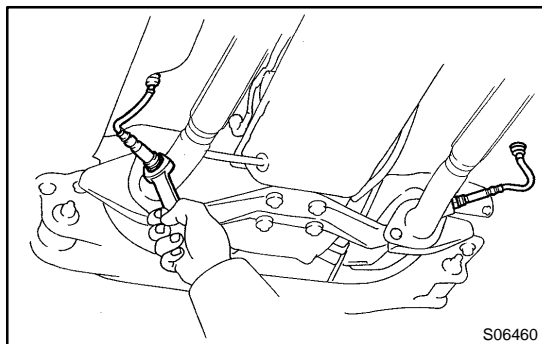
**Torque: 62 N·m (630 kgf-cm, 46 ft-lbf)**

- (2) Temporarily install the pipe support bracket to the transmission with the 4 bolts.
- (3) Install a new gasket to each front end of the front exhaust pipe.
- (4) Connect the front exhaust pipe to the 2 TWC with the 4 bolts and new 2 bracket.

**Torque: 43 N·m (440 kgf-cm, 32 ft-lbf)**

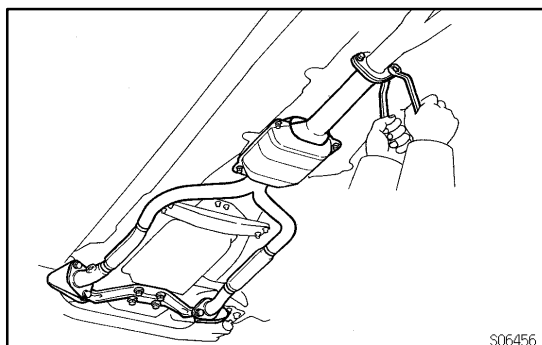
- (5) Tighten the 4 bolts holding the pipe support bracket to the transmission.

**Torque: 43 N·m (440 kgf-cm, 32 ft-lbf)**



### 2. REPLACE REAR TWC

- (a) Check that the TWC is cool.
- (b) Disconnect the 2 oxygen sensors (bank 1, 2 sensor 2) from the exhaust pipe.
  - (1) Disconnect the 2 wire grommets from the floor.
  - (2) Disconnect the 2 oxygen sensors from the exhaust pipe.



- (c) Remove the front exhaust pipe.
  - (1) Remove the 4 bolts holding the pipe support bracket to the transmission.
  - (2) Remove the 2 bolts and nuts holding the front exhaust pipe to the center exhaust pipe.
  - (3) Remove the 4 bolts and nuts holding the front exhaust pipe to the front TWC.
  - (4) Remove the pipe support bracket, front exhaust pipe and 3 gaskets.
- (d) Reinstall the front exhaust pipe.

- (1) Temporarily install the pipe support bracket with the 4 bolts.
- (2) Temporarily install 3 new gaskets and the exhaust pipe with the 6 bolts and nuts.
- (3) Tighten the 4 bolts and nuts holding the front TWC to the front exhaust pipe.

**Torque: 43 N·m (440 kgf-cm, 32 ft-lbf)**

- (4) Tighten the 2 bolts and nuts holding the front exhaust pipe to the center exhaust pipe.

**Torque: 43 N·m (440 kgf-cm, 32 ft-lbf)**

- (5) Tighten the 4 bolts holding the pipe support bracket to the transmission.

**Torque: 43 N·m (440 kgf-cm, 32 ft-lbf)**

- (e) Reinstall the 2 oxygen sensors (bank 1, 2 sensor 2).
  - (1) Install the 2 oxygen sensors to the front exhaust pipe.

**Torque: 44 N·m (450 kgf-cm, 33 ft-lbf)**

**HINT:**

- Before installing the oxygen sensor, twist the sensor wire counterclockwise 3 and 1/2 turns.
  - After installing the oxygen sensor, check that the sensor wire is not twisted. If it is twisted, remove the oxygen sensor and reinstall it.
- (2) Install the 2 wire grommets to the floor panel.