



# Exhaust Pipe and Muffler

## Replacement

NOTE: Use new gaskets and self-locking nuts when reassembling.

### REAR SECONDARY HO2S

45 N-m (4.5 kg-m, 33 lb-ft)

- Be careful not to damage.
- Use the special tool for removal and installation.

### SELF-LOCKING NUTS

10 x 1.25 mm

34 N-m (3.4 kg-m, 25 lb-ft)

Replace.

GASKETS  
Replace.

JOINT PIPE

MUFFLER

### SELF-LOCKING NUT

8 x 1.25 mm

22 N-m (2.2 kg-m, 16 lb-ft)

Replace.

Tighten the flange nuts in steps, alternating side-to-side.

GASKET  
Replace.

### FRONT SECONDARY HO2S

45 N-m (4.5 kg-m, 33 lb-ft)

- Be careful not to damage.
- Use the special tool for removal and installation.

### THREE WAY CATALYTIC CONVERTERS (TWCs)

Inspect as shown below.

GASKETS  
Replace.

JOINT PIPE

GASKETS  
Replace.

FRONT EXHAUST-PIPE A

REAR EXHAUST PIPE A

### SELF-LOCKING NUT

8 x 1.25 mm

22 N-m (2.2 kg-m, 16 lb-ft)

Replace.

Tighten the flange nuts in steps, alternating side-to-side.

### SELF-LOCKING NUTS

8 x 1.25 mm

22 N-m (2.2 kg-m, 16 lb-ft)

Replace.

Tighten the flange nuts in steps, alternating side-to-side.

GASKET  
Replace.

6 x 1.0 mm

10 N-m (1.0 kg-m, 7 lb-ft)

### SELF-LOCKING NUTS

10 x 1.25 mm

55 N-m (5.5 kg-m, 40 lb-ft)

Replace.

### TWC Inspection:

Using a flashlight, make a visual check for plugging, melting or cracking of the catalyst.

