

ENGINE 4H SERIES

SECTION 6F
EXHAUST

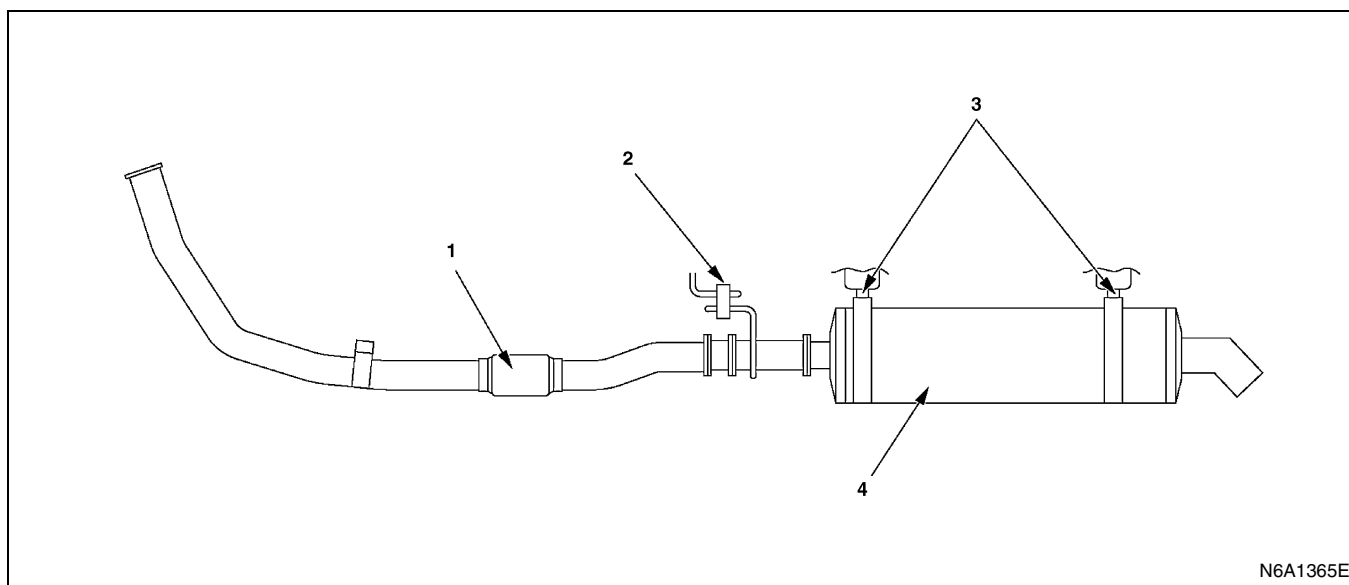
Caution:
Exhaust system components must have enough clearance from the underbody to prevent overheating of the floor pan and possible damage to the passenger compartment, insulation and trim materials.

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GENERAL DESCRIPTION

Component



Legend

- | | |
|-------------------|----------------------------|
| 1. Flexible tube | 3. Rubber mount |
| 2. Rubber support | 4. Silencer with converter |

The vehicle is equipped with a single horizontal exhaust system which consists of a front exhaust pipe with a heat shield attached, a main exhaust pipe, a silencer with catalytic converter and a tail pipe.

An engine exhaust brake is attached between the front exhaust pipe and the exhaust manifold.

The exhaust brake, when turned on, restricts the flow of exhaust gases and thereby slows the engine.

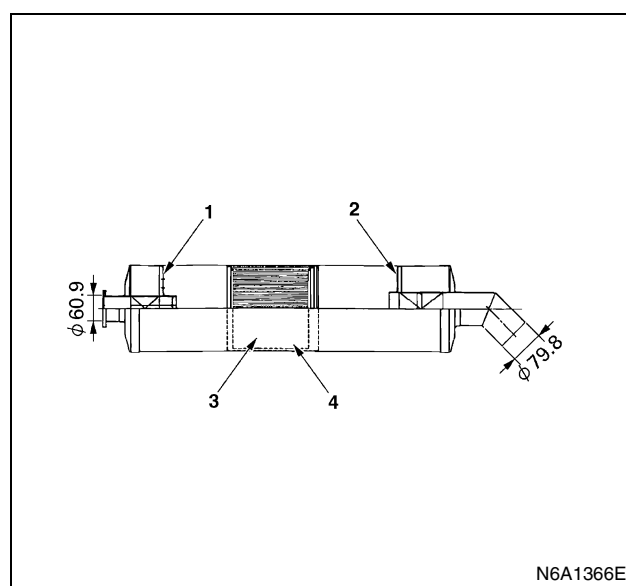
Be sure the exhaust brake system is turned off before performing any exhaust system diagnosis.

Gasket

The gasket must be replaced whenever a new exhaust pipe, muffler or exhaust throttle is installed.

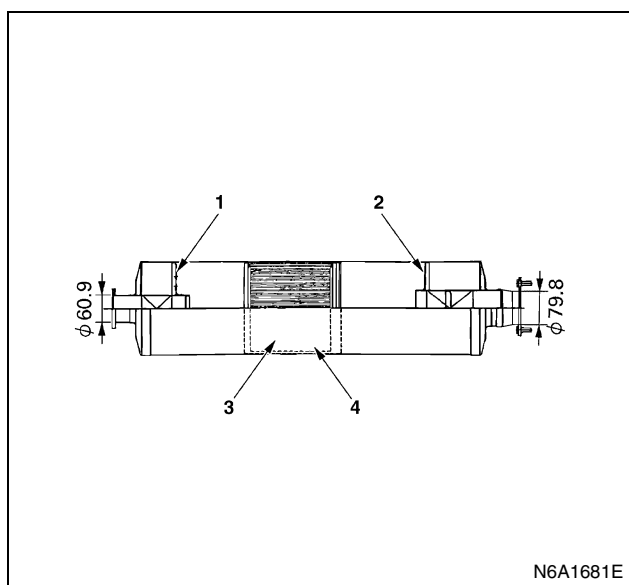
Catalytic Converter

For Taiwan

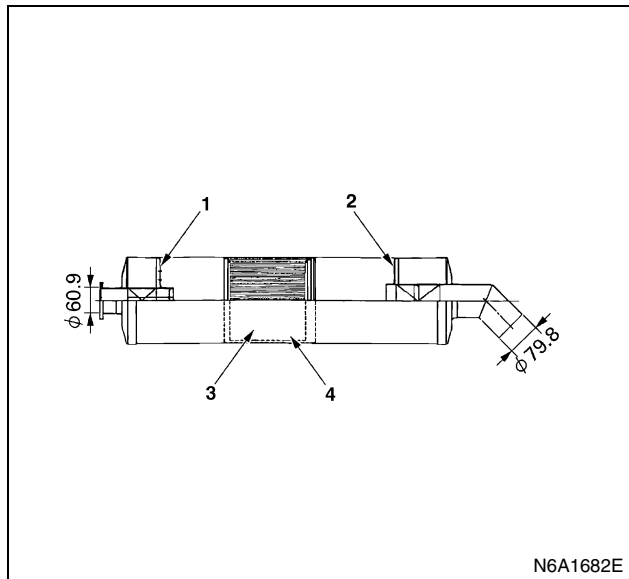


Legend

- | |
|----------------------|
| 1. Inlet assembly |
| 2. Outlet assembly |
| 3. Catalyst assembly |
| 4. P.N.O. |

For Venezuela**Legend**

1. Inlet assembly
2. Outlet assembly
3. Catalyst assembly
4. P.NO.

For Hongkong**Legend**

1. Inlet assembly
2. Outlet assembly
3. Catalyst assembly
4. P.NO.

ON-VEHICLE SERVICE

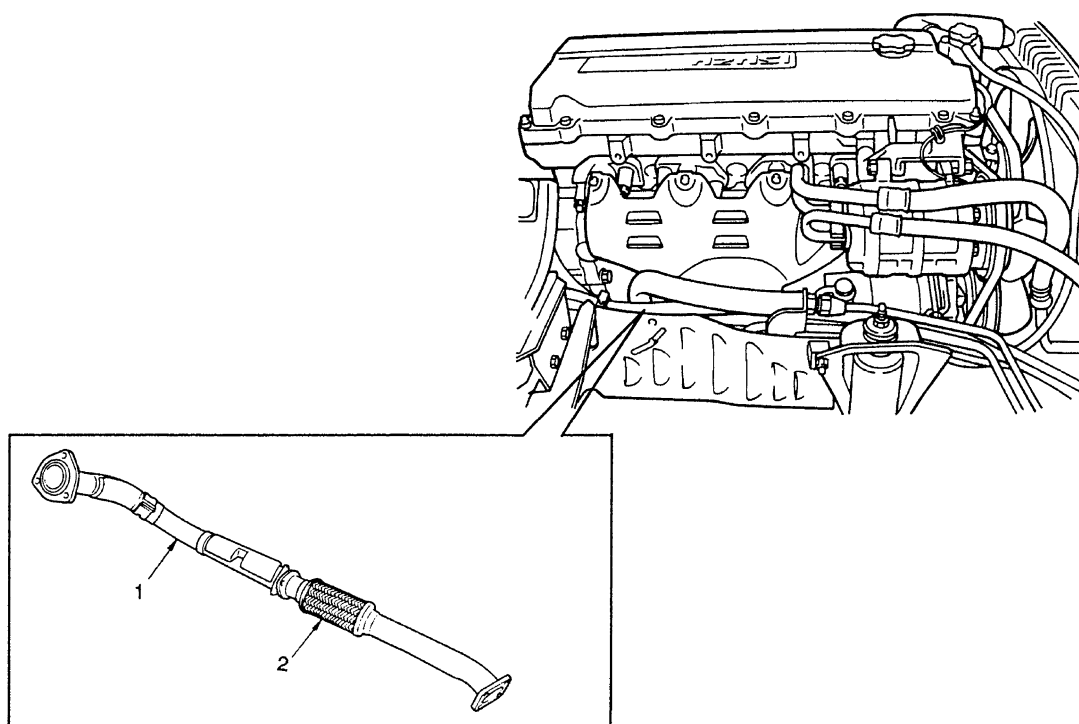
Rattles and noise vibrations in the exhaust system are usually caused by misalignment of parts. When aligning the system, leave all bolts or nuts loose until all parts are properly aligned; then tighten, working from front to rear.

1. Check connections for looseness or damage, especially for exhaust gas leakage.

2. Check clamps and rubbers for weakness, cracks or damage.
3. Check for dents or damage and for any holes or cracks caused by corrosion.

Component

Front Exhaust Pipe



N6A1368E

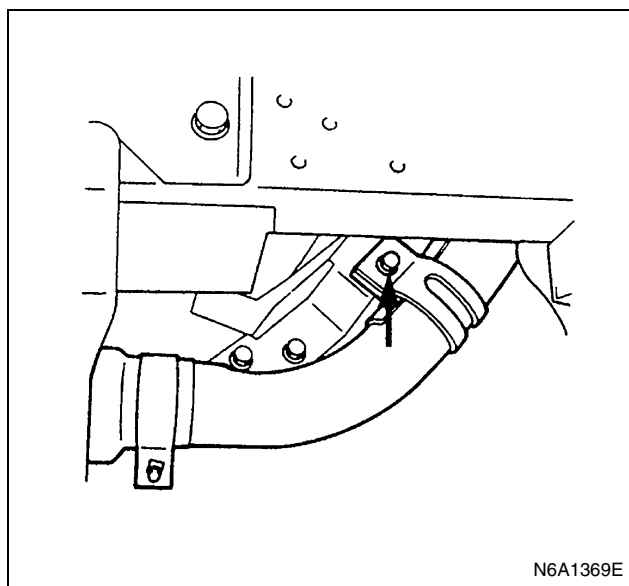
Legend

- | | |
|---|---|
| 1. Front exhaust pipe I (Exhaust manifold side) | 2. Front exhaust pipe II (Exhaust brake side) |
|---|---|

Removal

Preparation

- Disconnect battery negative cable.
1. Front Exhaust Pipe I (Exhaust manifold side)
 - Remove the three nuts from front exhaust pipe I (exhaust manifold side)
 - Remove the bolt from mounting bracket (engine right side)



- Remove the four bolts and nuts from front exhaust pipe II (exhaust brake side)
2. Front Exhaust Pipe II (exhaust brake side)

Installation

1. Front Exhaust Pipe II (exhaust brake side)

Tighten:

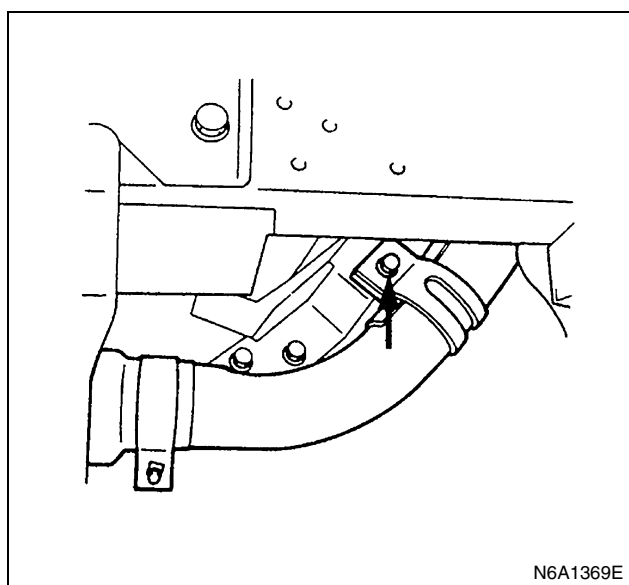
Exhaust brake unit fixing bolt to 17 N·m (1.7 kg·m/12 lb·ft)

2. Front Exhaust Pipe I (exhaust manifold side)

Tighten:

Exhaust Pipe II side to 17 N·m (1.7 kg·m/12 lb·ft)

Mounting Bracket Bolt to 18 N·m (1.8 kg·m/13 lb·ft)



Tighten:

Manifold Fixing Nut to 67 N·m (6.8 kg·m /49 ft·lb)

- Connect battery ground cable.
- Start engine and check for exhaust gas leakage from exhaust pipes.

