Exhaust system, aligning to relieve stress

Align exhaust system to avoid stress in the system and to prevent noise as follows:

**Note:**

- Be sure muffler mountings are free of stress when installing.
- When aligning and relieving stress, loosen all bolted connections (except exhaust manifold), including mountings for catalytic converter.
- Align the exhaust system when cold.
- Perform the work in the order described below.
- Dimensions in the illustrations are approximate.

**Vehicles without double clamp between center and rear mufflers**

**Note:**

*The exhaust system must be cold when aligning.*

- Loosen double clamp between catalytic converter and center muffler.

- Push exhaust system far enough to the front until the gap (dimension -a-) between tail pipes -1- and rear bumper -2- is achieved:
  - Dimension -a- = at least 40 mm (1.5 in.)
  - Tighten double clamps between catalytic converters and center mufflers evenly to 40 Nm.

Installation position => Page 26-19.
With correct distance between tail pipes/bumper, the rear mount is pre-tensioned to \( a = 7 \) to \( 11 \) mm (0.3 to 0.43 in.).

**Vehicles with double clamp between center and rear mufflers**

*Note:*

For vehicles with double clamps between center and rear mufflers, the center muffler must also be aligned.

- Loosen bolts of double clamps between catalytic converters and center mufflers.

- Push exhaust pipes forward (in direction of arrow) until pre-tension at left rear mount is at center muffler is \( a = 7 \) to \( 9 \) mm (0.3 to 0.4 in.).

- Tighten double clamps between catalytic converters and center mufflers evenly to 40 Nm. Installation position => Page 26-19.
Push rear muffler forward (in direction of arrow) until pre-tension at right rear mount at rear muffler is:

- Dimension \( a \) = 7 to 11 mm (0.3 to 0.43 in.)

- Tighten double clamps between and center and rear mufflers evenly to 40 Nm. Installation position => Page 26-19.

**Rear mufflers, aligning**

With correct pre-tensioning of mountings, the gap between tail pipes -1- and bumper -2- is:

- Dimension -a- = at least 40 mm (1.5 in.)

**Double clamps front, installation position**
The bolt ends must not protrude beyond lower end of clamp.

**Double clamps rear, installation position**

The bolt ends must not protrude beyond lower end of clamp.