



Exhaust system, servicing

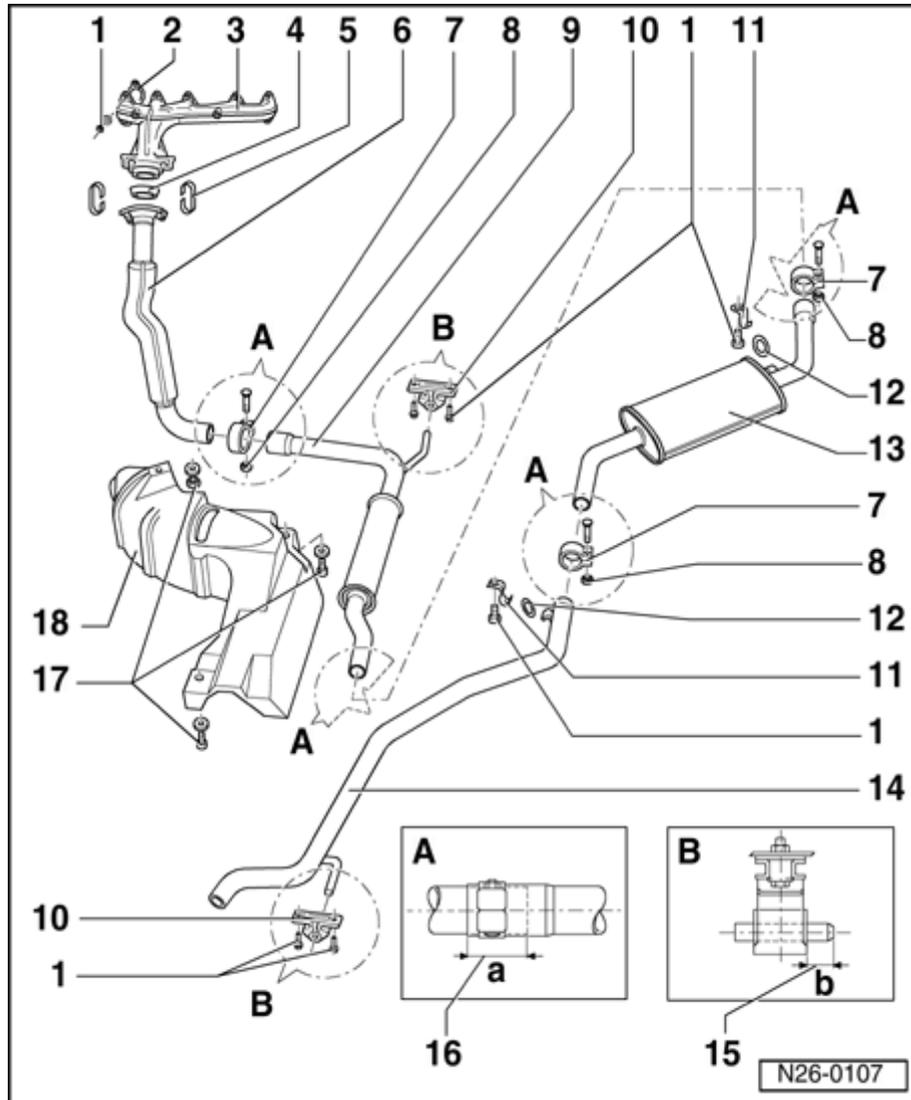
Note:

- ◆ *After working on the exhaust system make sure that the system is not under stress, and that it has sufficient clearance from the bodywork. If necessary, loosen double and single clamps and align muffler and exhaust pipe so that sufficient clearance is maintained to the bodywork and the support rings are evenly loaded.*
- ◆ *Replace self-locking nuts.*

Exhaust system, engine code AAB ⇒ [Page 26-2](#) .

Front exhaust pipe and catalyst with attachments, engine code ACV ⇒ [Page 26-4](#) .

Muffler with mountings, engine code ACV ⇒ [Page 26-12](#) .



Exhaust system components, removing and installing (vehicles with engine code AAB)

Note:

Align the exhaust system longitudinally so that the dimensions -a- and -b- are maintained.

1 - 25 Nm

2 - Gasket

◆ Always replace

3 - Exhaust manifold

4 - Ring

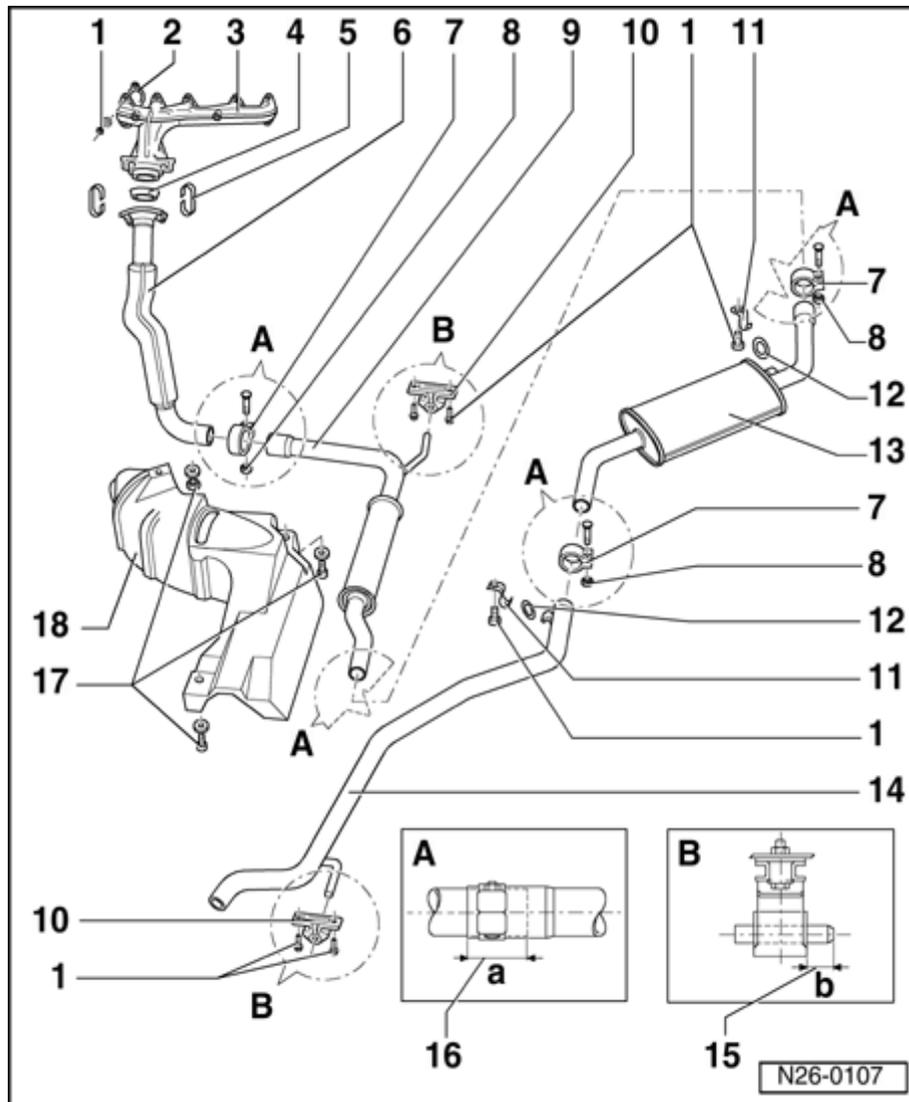
◆ Replace if damaged

◆ Pry off with screwdriver

5 - Clamping spring

◆ Remove and install with tensioning wedges 3140A
⇒ [Page 26-7](#)

◆ Tensioning or relieving tension ⇒ [Page 26-9](#)



6 - Front exhaust pipe

7 - Clamp

8 - 40 Nm

9 - Front muffler

10 - Mounting

11 - Retainer

12 - Retaining ring

◆ Replace if damaged

13 - Center muffler

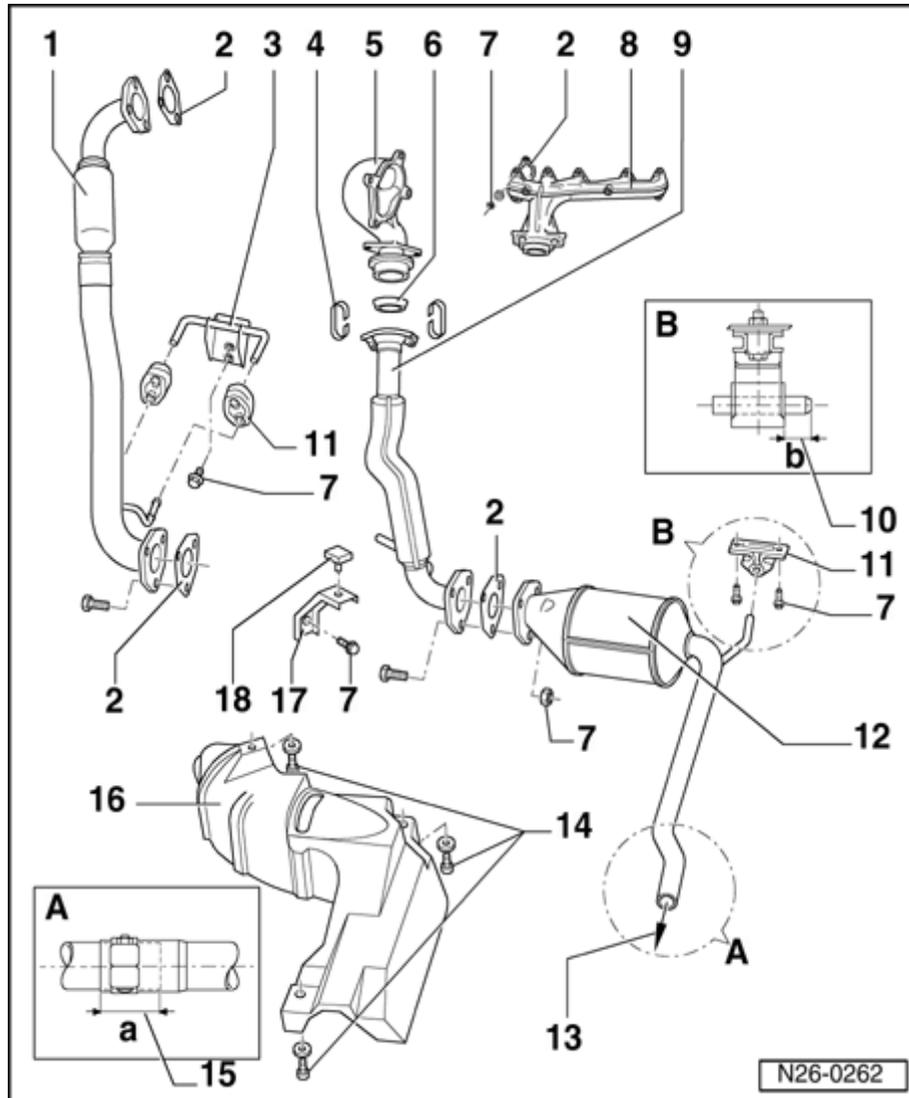
14 - End pipe

15 - Dimension -b- = min. 10 mm

16 - Dimension -a- = 50 ± 5 mm

17 - 5 Nm

18 - Heat shield



Front exhaust pipe and catalyst with attachments, removing and installing (vehicles with engine code ACV)

Note:

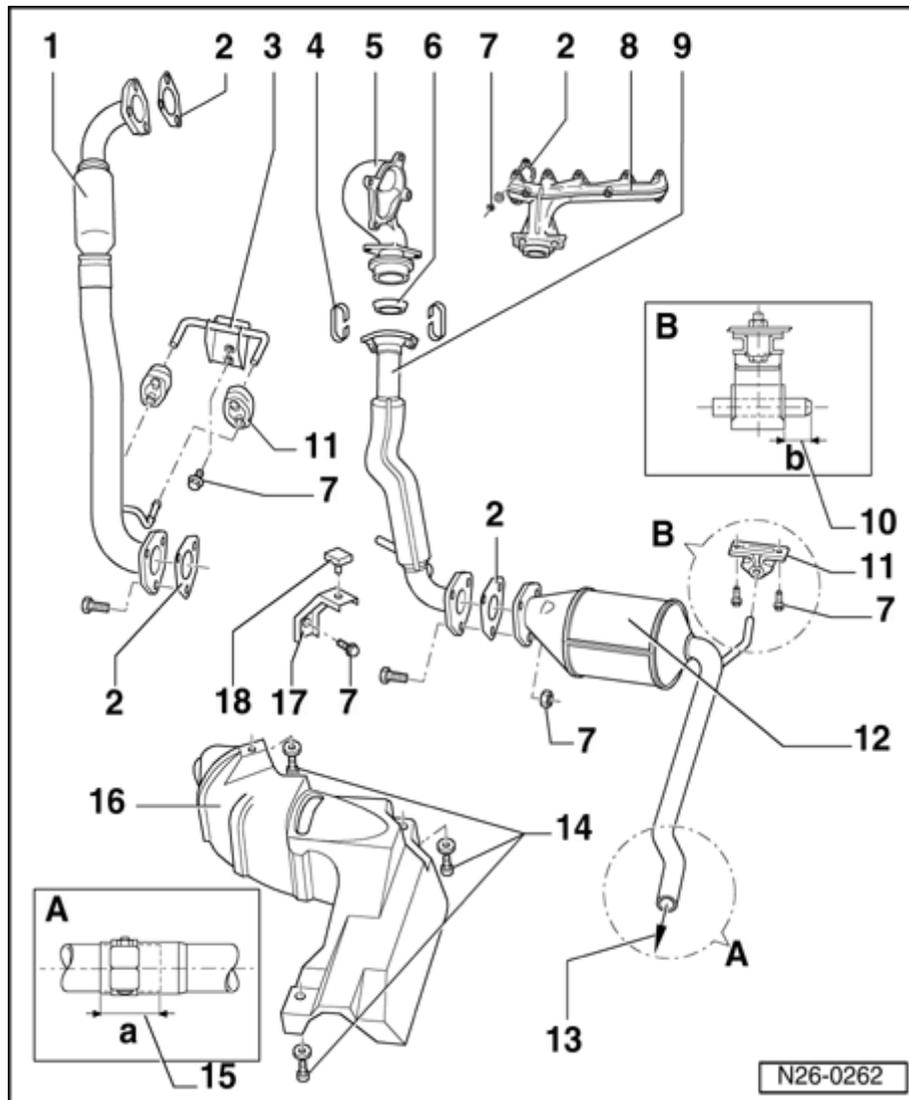
- ◆ Removing and installing exhaust manifold, engine code ACV ⇒ [Page 21-1](#) , Removing and installing turbocharger with attachments.
- ◆ Align exhaust system longitudinally so that dimensions - a- and -b- are ensured.

1 - Front exhaust pipe

2 - Gasket

- ◆ Always replace

3 - Mounting



4 - Clamping spring

- ◆ Remove and install with tensioning wedges 3140A
⇒ [Page 26-7](#)
- ◆ Tensioning or relieving tension ⇒ [Page 26-9](#)

5 - Pipe elbow

- ◆ Engine codes ACV
- ◆ Between turbocharger and front exhaust pipe ⇒
[Page 21-6](#) , item 28

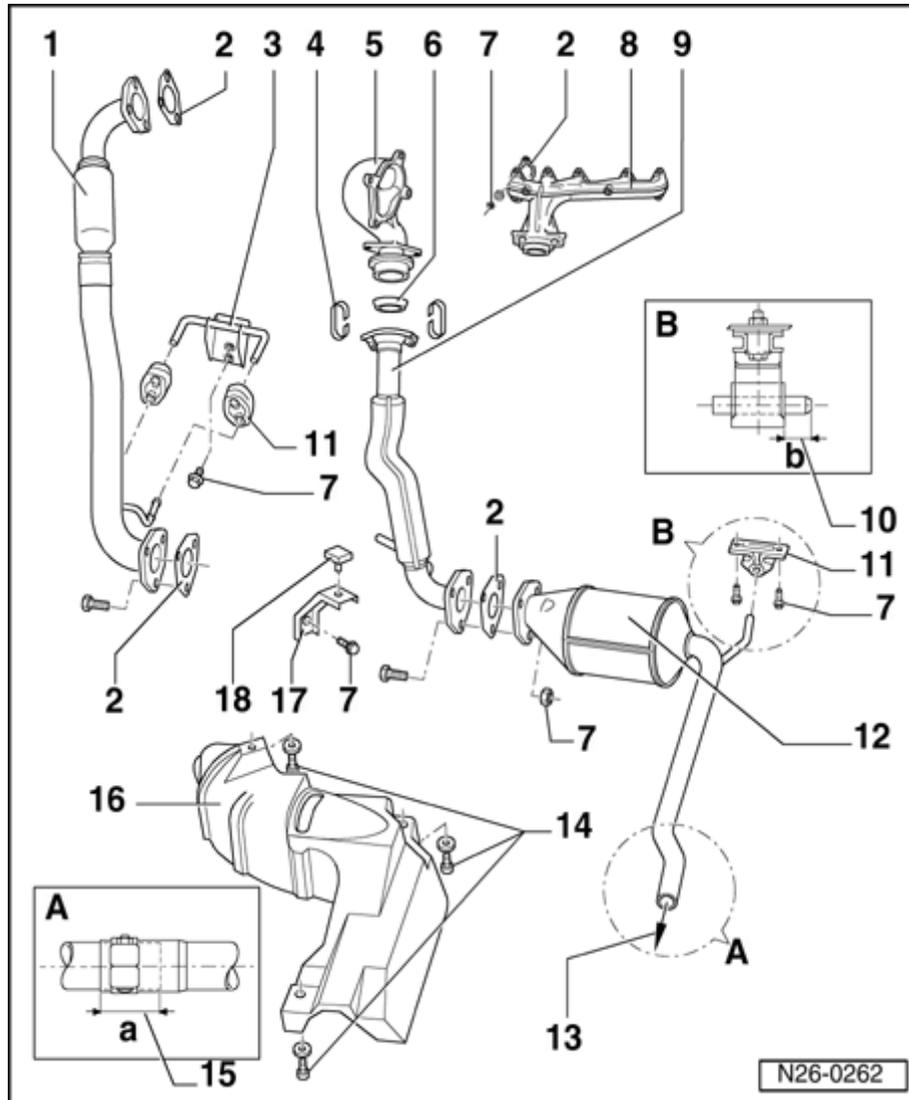
6 - Ring

- ◆ Replace if damaged
- ◆ Pry off with screwdriver

7 - 25 Nm

8 - Exhaust manifold

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9 - Front exhaust pipe

- ◆ Engine codes ACV

10 - Dimension -b- = min. 10 mm

11 - Mounting

- ◆ Replace if damaged

12 - Catalyst

13 - To center muffler

14 - 5 Nm

15 - Dimension -a- = 50 ± 5 mm

16 - Heat shield

17 - Support bracket

- ◆ For damper rubber

18 - Damper rubber

- ◆ For front exhaust pipe item 9



Clamping springs, removing and installing

Special tools and equipment required

- ◆ 3140 A Tensioning wedges

Removing

- Exhaust system cold

Engine code AAB

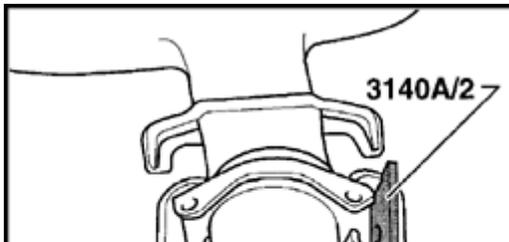
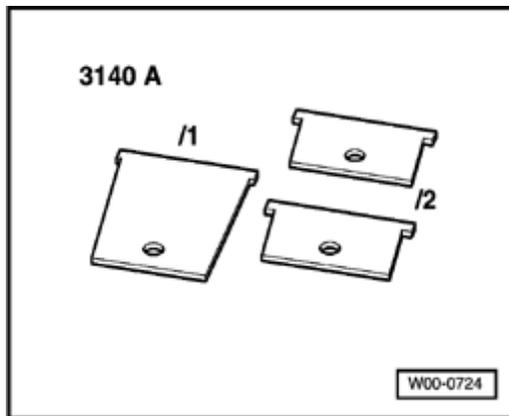
- Separate exhaust system between front exhaust pipe and front silencer. In some cases it is necessary to release the exhaust system from its hangers.

Engine codes ACV

- Separate exhaust system between front exhaust pipe and catalyst.

Continued for all vehicles

- Open clamping spring by pressing sideways on exhaust pipe until short tensioning wedge 3140 A/2 can be pushed in onto stops.



**Note:**

Opening clamping springs:

- ◆ *Grip front exhaust pipe with pipe wrench and push exhaust system to side in relevant direction.*

Installing

Install in reverse order but note following:

- Finally, check seating of tensioning springs in cut-outs.

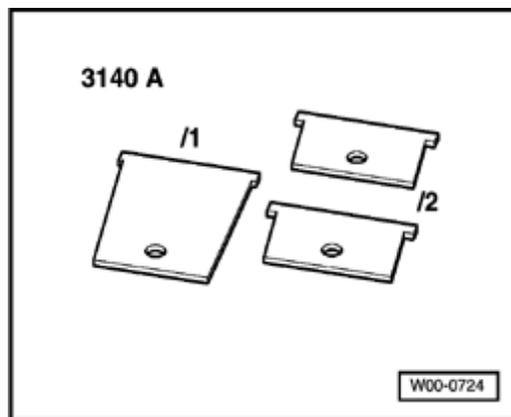


Clamping springs, tensioning and relieving tension

Special tools and equipment required

- ◆ 3140 A Tensioning wedges
- ◆ Synthetic head hammer

If a removed clamping spring is to be relieved or a new clamping spring requires tensioning then perform this function in a vice as follows:





Relieving tensioning

- Place clamping spring with tensioning wedge 3140 A/2 on a vice, opened approx. 15 mm, so that the striking side of the tensioning wedge is between the vice jaws.
- Carefully drive tensioning wedge out between the gap in the vice jaws using a synthetic head hammer.

Tensioning

- Place clamping spring on a vice opened approx. 15 mm.
- Drive long tensioning wedge through tensioning spring, between vice jaws, onto stop using a synthetic head hammer.

Note:

On vehicles where the clamping spring with installed longer tensioning wedge still cannot be installed then the tensioning spring is to be installed onto a shorter tensioning spring as follows:

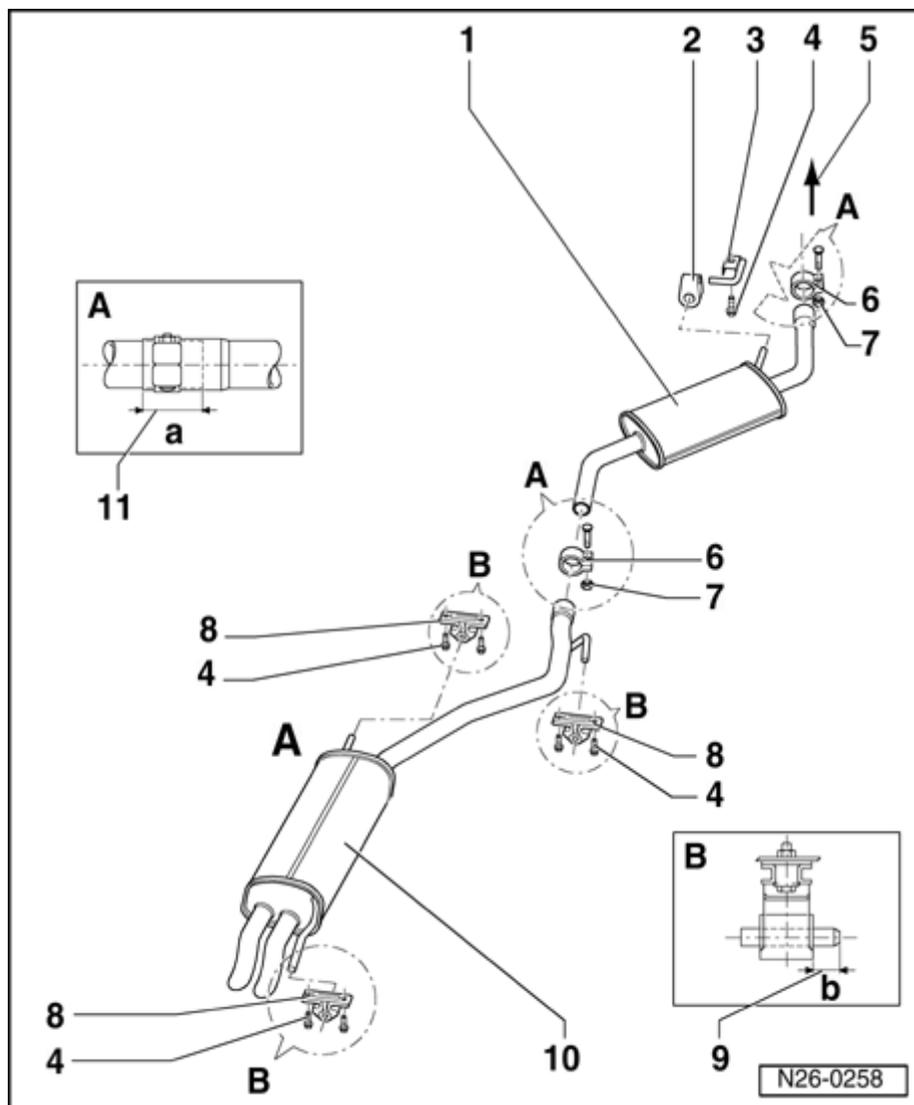


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- Additionally drive shorter tensioning wedge next to longer tensioning wedge into clamping spring onto stop.



- Hold clamping spring over the opened vice gap so that only the shorter tensioning wedge striking side lies on a vice jaw.
- Carefully drive out longer tensioning wedge through gap between vice jaws using a synthetic hammer.



Muffler with mountings, engine code ACV

1 - Center muffler

2 - Retaining ring

◆ Replace if damaged

3 - Bracket

4 - 25 Nm

5 - To catalyst

6 - Clamp

7 - 40 Nm

8 - Mounting

◆ Replace if damaged

9 - Dimension -b- = min. 10 mm

10 - Rear muffler

11 - Dimension -a- = 50 ± 5 mm