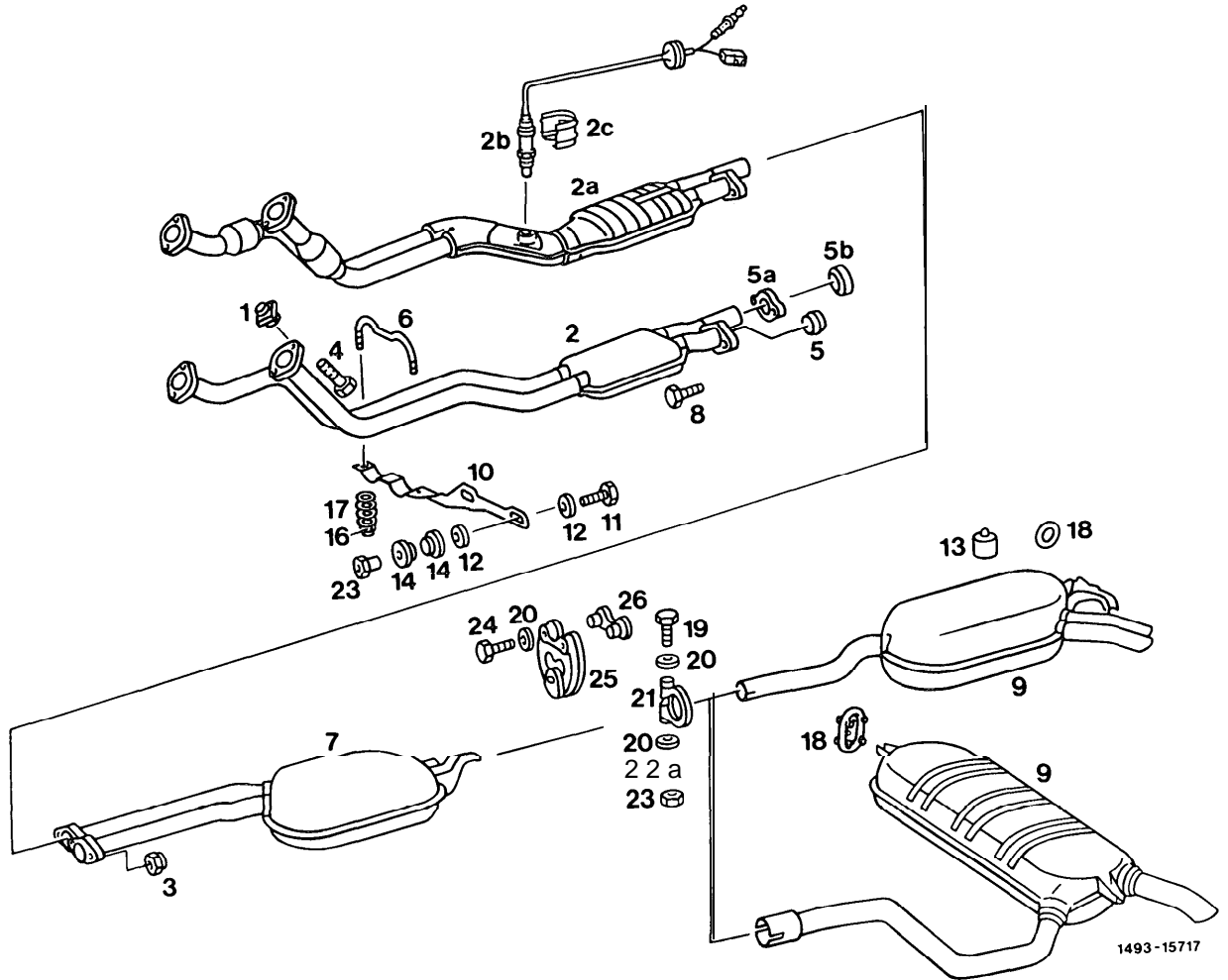


Job No.

Removal, installation of exhaust system 49 - 100

49-100 Removal, installation of exhaust system

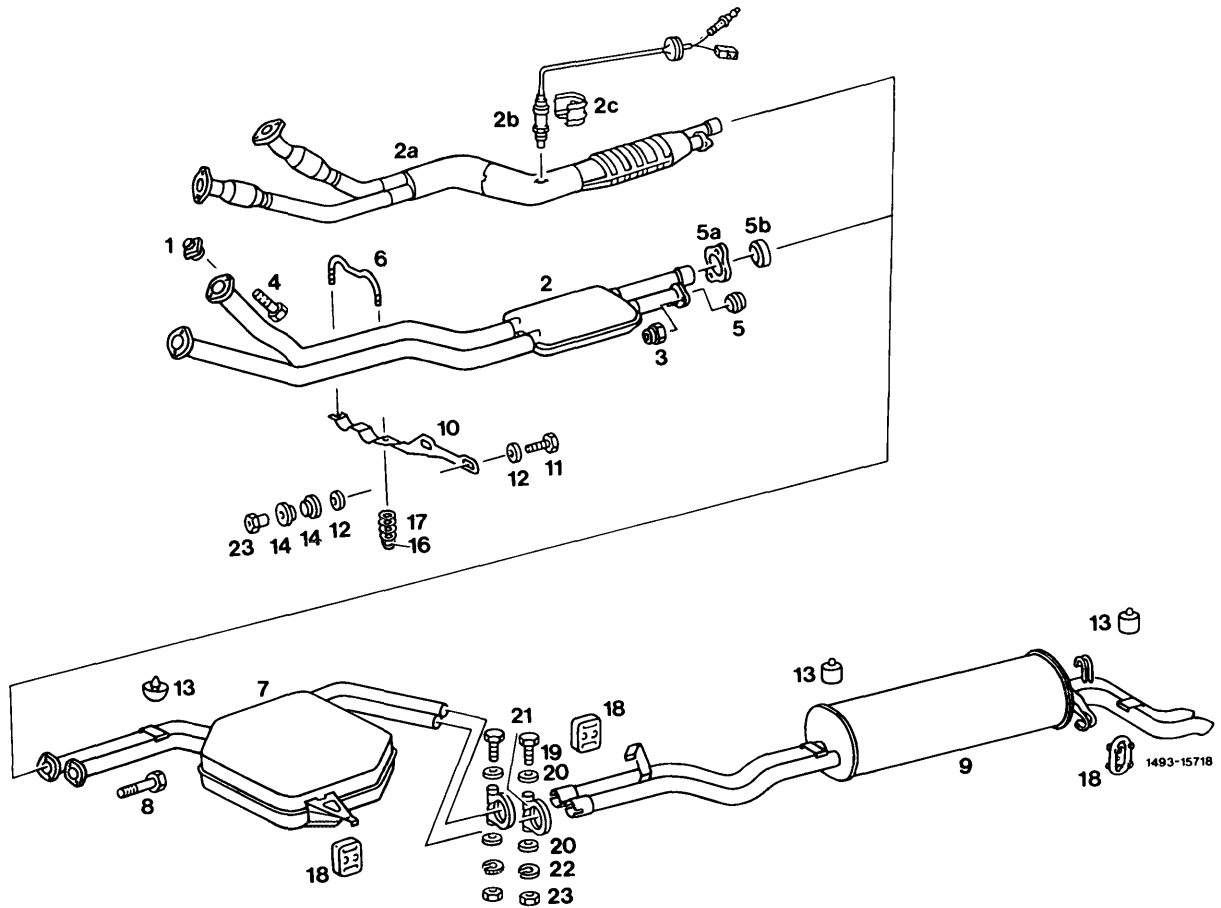
A. Model 124.026/030/050/090 124.226/230/290



Rivet nut in manifold (1)	renew - special tool: rivet screw 103 589 01 39 00, insert rivet nut in manifold and tighten rivet screw with 30 Nm.
Front exhaust pipe with front muffler (2)	uniformly tighten flange connection on manifold.
Front exhaust pipe with primary and underfloor catalytic converter (2a)	uniformly tighten flange connection on the manifold.
Oxygen sensor (2b)	install, ensure proper cable installation. Check lambda control (07.3-I 00).
Cover (2c)	ensure proper installation position.
Self-locking hexagon nut (3)	renew - tightening torque 20 Nm.
Hexagon-head screw (4)	renew - tightening torque 25 Nm.

Sintered sealing ring (5)	check for damage, ensure proper seating
Flange (5a)	check for reusability, renew if required.
Graphite sealing ring (5b)	renew.
Retaining U-bolt (6)	check for reusability.
Center muffler (7)	check for damage.
Hexagon-head screw (8)	renew.
Rear muffler (9)	check for damage.
Lateral support (10) with hexagon-head screw (11), washer (12) and rubber washer (14)	install, tightening torque 20 Nm.
Rubber buffer (13)	check for wear.
Self-locking hexagon nut (16)	renew, tightening torque 7 Nm.
Diaphragm spring (17)	renew.
Rubber ring (18)	check for wear and damage.
Hexagon-head screw (19), washer (20) and pipe clamp (21)	check for reusability, renew if necessary.
Spring washer (22)	renew.
Hexagon nut (23)	tightening torque 25 Nm.
Hexagon-head screw (24), mounting plate (25) and clamping plate (26)	check for damage and wear.

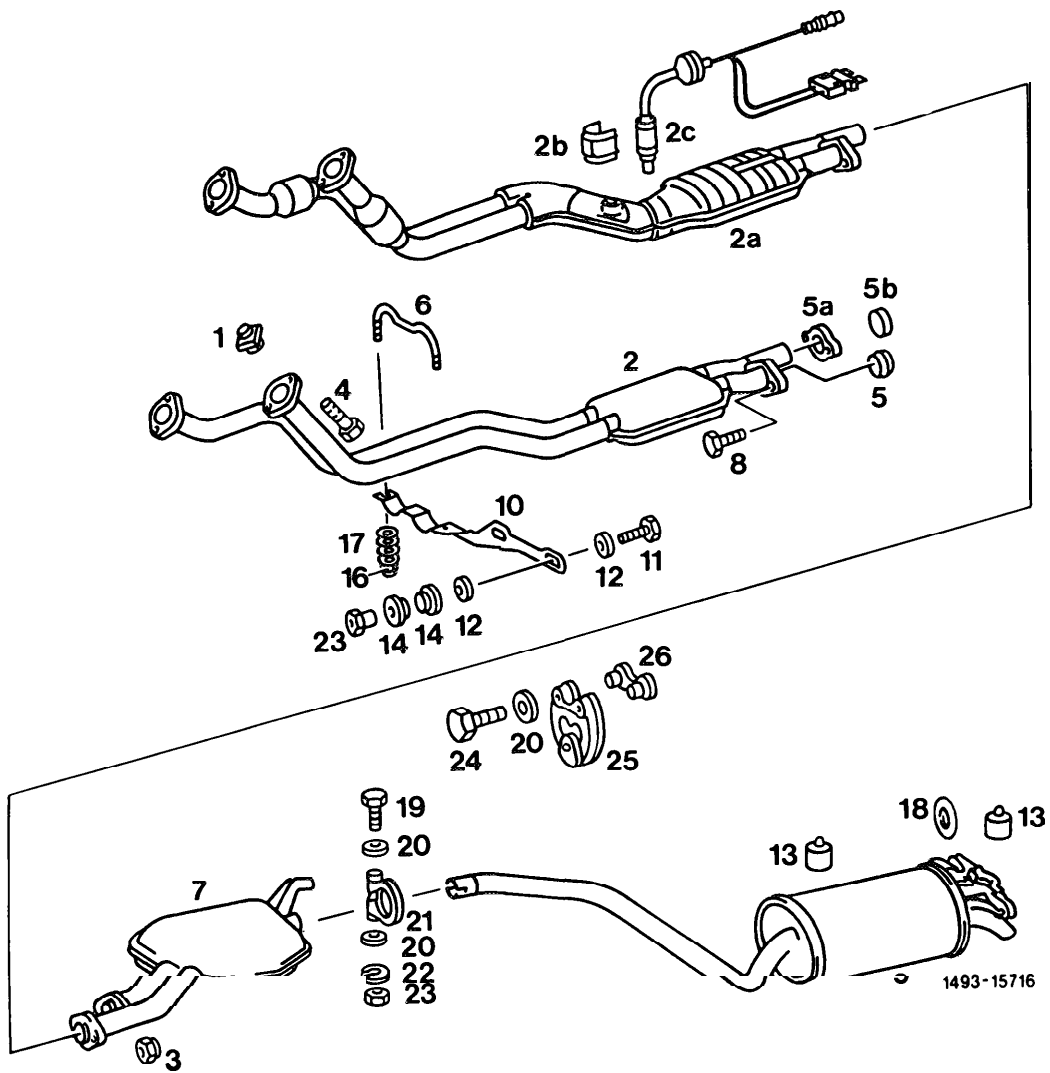
B. Model 126.02



Rivet nut in manifold (1)	renew - special tool: rivet screw 103 589 01 39 00, insert rivet nut in manifold and tighten rivet screw with 30 Nm.
Front exhaust pipe with front muffler (2)	uniformly tighten flange connection on the manifold.
Front exhaust pipe with primary and underfloor catalytic converter (2a)	uniformly tighten flange connection on the manifold.
Oxygen sensor (2b)	install, ensure proper installation of cables. Check lambda control (07.3-100).
Cover (2c)	ensure proper installation position.
Self-locking hexagon nut (3)	renew - tightening torque 20 Nm.
Hexagon-head screw (4)	renew - tightening torque 25 Nm.
Sintered sealing ring (5)	check for damage, ensure proper seating.
Flange (5a)	check for reusability, renew if required.
Graphite sealing ring (5b)	renew.

Retaining U-bolt (6)	check for reusability.
Center muffler (7)	check for damage
Hexagon-head screw (8)	renew.
Rear muffler (9)	check for damage.
Lateral support (10) with hexagon-head screw (11), washer (12) and rubber washer (14)	mount, tightening torque 20 Nm.
Rubber buffer (13)	check for wear.
Self-locking hexagon nut (16)	renew, tightening torque 7 Nm.
Diaphragm spring (17)	renew.
Rubber ring (18)	check for damage and wear.
Hexagon-head screw (19), washer (20) and pipe clamp (21)	check for reusability, renew if required.
Spring washer (22)	renew.
Hexagon nut (23)	tightening torque 25 Nm.

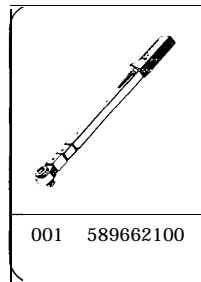
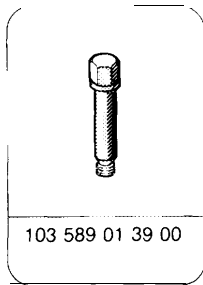
C. Model 201.029



Rivet nut in manifold (1)	renew - special tool: rivet screw 103 589 01 39 00, insert rivet nut in manifold and tighten rivet screw with 30 Nm.
Front exhaust pipe with front muffler (2)	uniformly tighten flange connection on the manifold.
Front exhaust pipe with primary and underfloor catalytic converter (2a)	uniformly tighten flange connection on the manifold.
Oxygen sensor (2c)	mount, ensure proper installation of cables. Check lambda control (07.3-I 00).
Cover (2b)	ensure proper installation position.

Self-locking hexagon nut (3)	renew - tightening torque 20 Nm.
Hexagon-head screw (4)	renew - tightening torque 25 Nm.
Sintered sealing ring (5)	check for damage, ensure proper seating.
Flange (5a)	check for reusability, renew if required.
Graphite sealing ring (5b)	renew.
Retaining U-bolt (6)	check for reusability.
Center muffler (7)	check for damage.
Hexagon-head screw (8)	renew.
Rear muffler (9)	check for damage.
Lateral support (10) with hexagon-head screw (11), washer (12) and rubber washer (14)	mount, tightening torque 20 Nm.
Rubber buffer (13)	check for wear.
Self-locking hexagon nut (16)	renew, tightening torque 7 Nm.
Diaphragm spring (17)	renew.
Rubber ring (18)	check for damage and wear.
Hexagon-head screw (19), washer (20) and pipe clamp (21)	check for reusability, renew if required.
Spring washer (22)	renew.
Hexagon nut (23)	tightening torque 25 Nm.
Hexagon screw (24), mounting plate (25) and clamping plate (26)	check for damage and wear.

Special tools

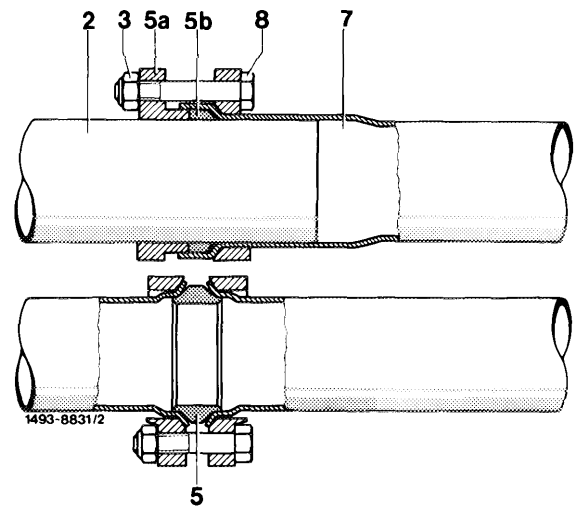


The removal and installation of the exhaust system is not fully explained but some particularly important points are described which must be observed during removal and installation or during partial renewal for instance of the rear muffler with plug connection.

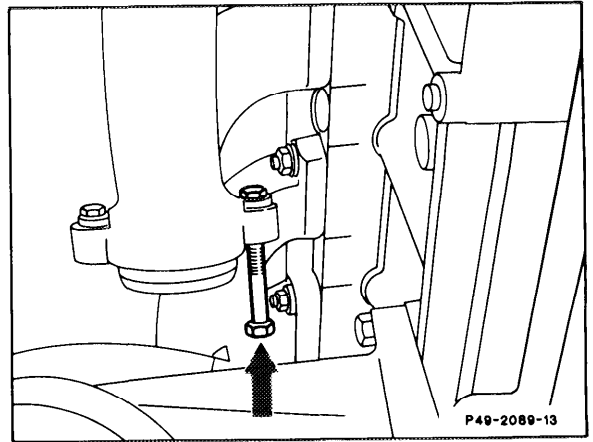
Removal

- 1 Check suspension components for reusability and renew if required.
- 2 Prior to assembling the exhaust system ensure that the flanges to the exhaust manifold are not warped. Straighten flanges if necessary.
- 3 If required, clean cone-shaped pipe connections (2 and 7) and sintered sealing ring (5) of combustion residue or corrosion by means of emery cloth.

- | | |
|----------------------------|--------------------------|
| 2 Front exhaust pipe | 5a Flange |
| 3 Self-locking hexagon nut | 5b Graphite sealing ring |
| 5 Sintered sealing ring | 7 Center exhaust pipe |
| | 8 Hexagon-head screw |



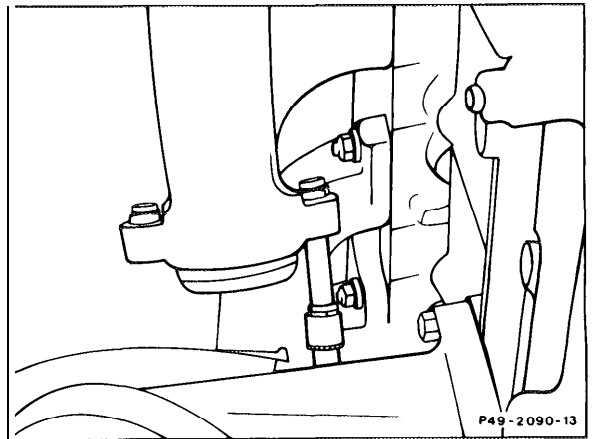
4 Use a suitable hexagon-head screw to drive rivet nuts out of the bores in the exhaust manifold. The hexagon-head screw should only be screwed in by hand.



Installation

5 Insert new rivet nut in the hole of the exhaust manifold. Screw in rivet screw and tighten with a tightening torque of 30 Nm.

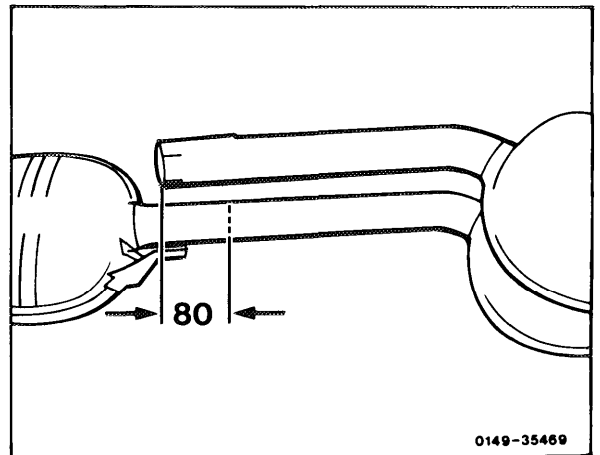
6 Remove rivet screw.



Renewal of rear muffler

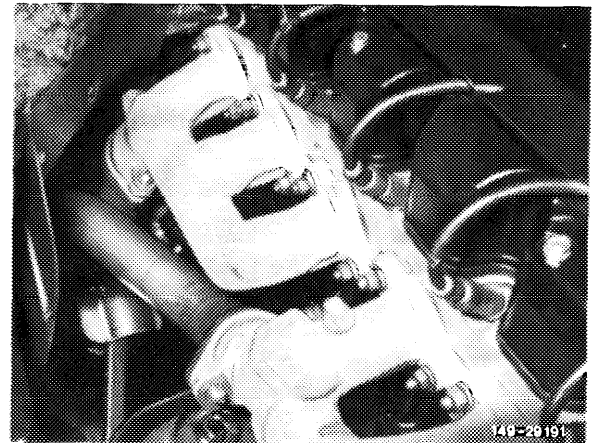
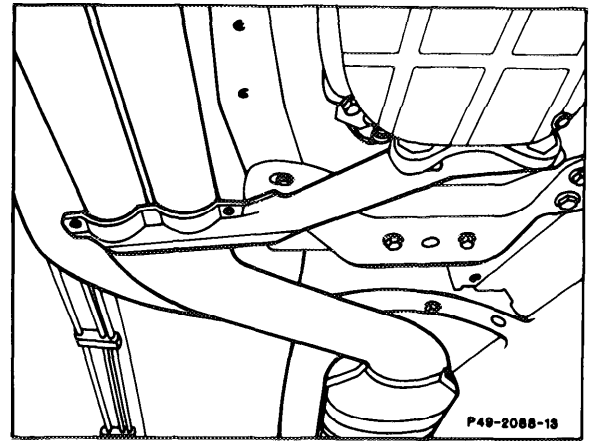
7 Place new rear muffler with plug connection accurately over the removed exhaust system and mark off pipe length of the new rear muffler on the removed system.

Cut the pipe (interrupted line) 80 mm from the mark (- 10 mm tolerance) in the direction of the rear muffler so that a plug-in depth of 70-80 mm is ensured.

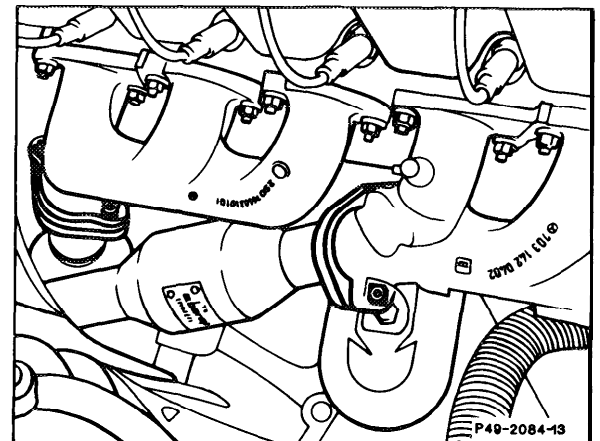


8 Always replace self-locking hexagon nuts and graphite sealing ring on the exhaust flange connection.

9 Uniformly tighten the flange connection on the manifold while the front exhaust system rests on the lateral support on the transmission (except Model 107.041). Tightening torque of the self-locking hexagon nuts is 30 Nm.

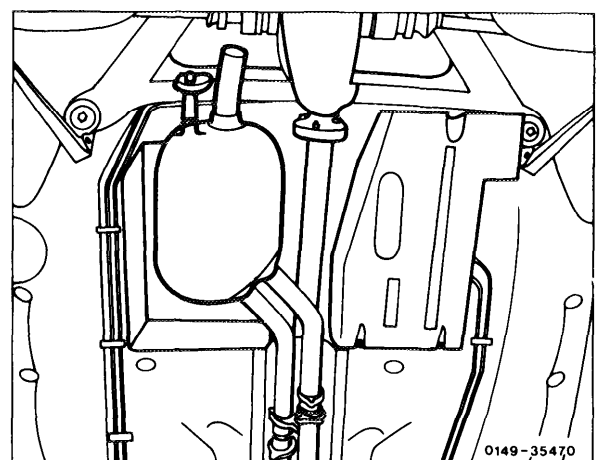


Arrangement of front exhaust pipe RUF



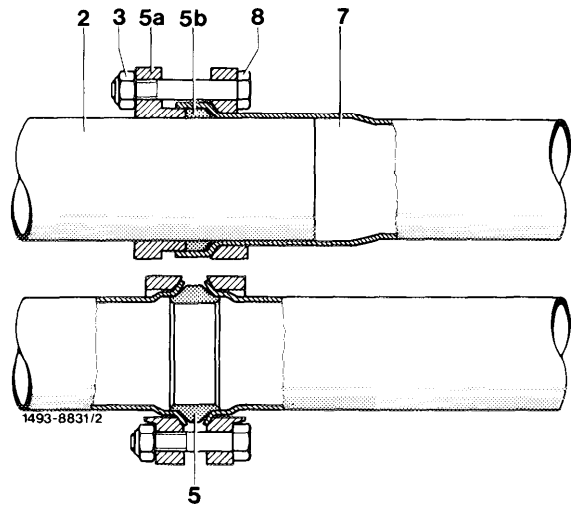
Arrangement of front exhaust pipe CAT

10 Mount center exhaust system with center muffler while suspending the exhaust system in the rear suspension rubber on the rear axle carrier at the same time (arrow).



11 Mount sintered graphite sealing ring (5, 5b) on the flange connection and ensure proper seating. Tightening torque of the self-locking hexagon nuts is 20 Nm.

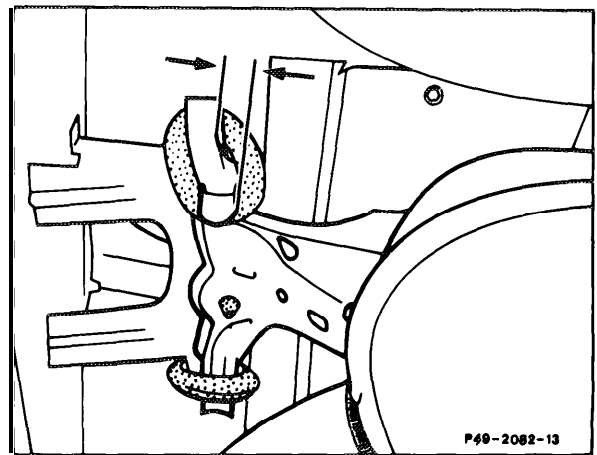
- 2 Front exhaust pipe
- 3 Self-locking hexagon nut
- 5 Sintered sealing ring
- 5a Flange
- 5b Graphite sealing ring
- 7 Center exhaust pipe
- 8 Hexagon-head screw



12 Install rear muffler so that the retaining brackets of the rear muffler are located approximately 10 mm from the brackets on the frame floor, so that the proper installation position is ensured if the exhaust system is elongated (arrows).

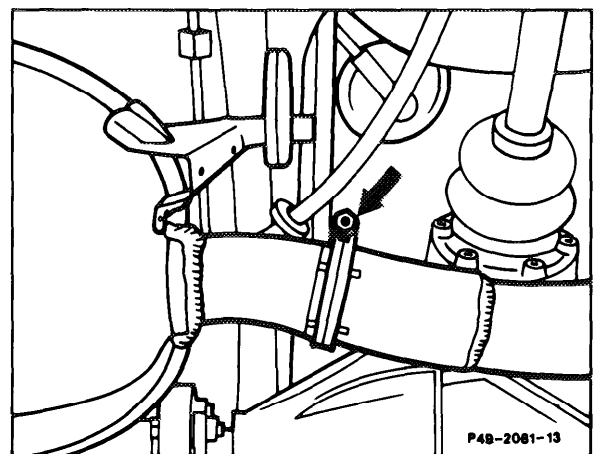
Note

The above refers only to mufflers in repair version with plug connection between center and rear mufflers.

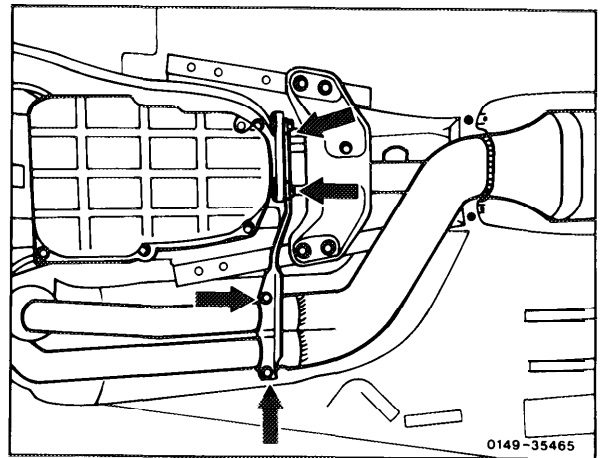


13 Connect rubber rings with suitable hook to the rear muffler.

14 Centralize exhaust pipe clamp between center and rear muffler and tighten hexagon nut with 25 Nm (arrow).

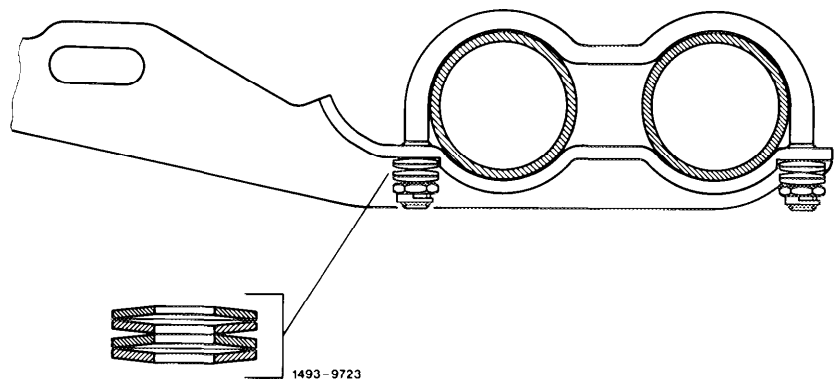


15 Mount exhaust lateral support without tension. Tightening torque of the self-locking hexagon nuts on the U-bolt is 7 Nm, the hexagon-head screws of the lateral support on the transmission 20 Nm (arrows).

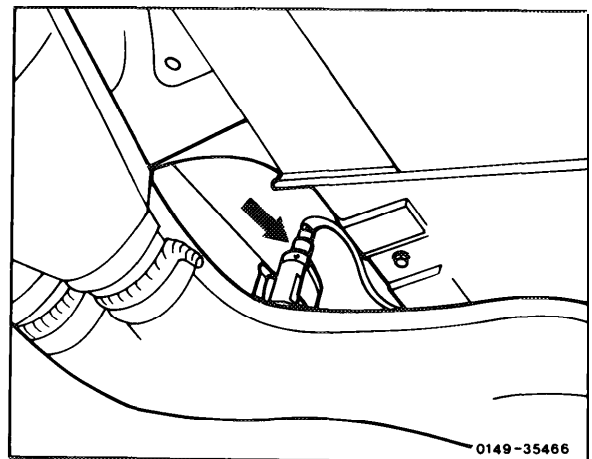


Note

Install 4 diaphragm springs on each side on the retaining U-bolt so that the concave sides of the springs face one another (as shown in the figure).



16 On vehicles with catalytic converter, mount oxygen sensor with shielding plate (arrow). For this purpose, coat thread with paste 000 989 88 51.



17 Run engine and check exhaust system for leaks.