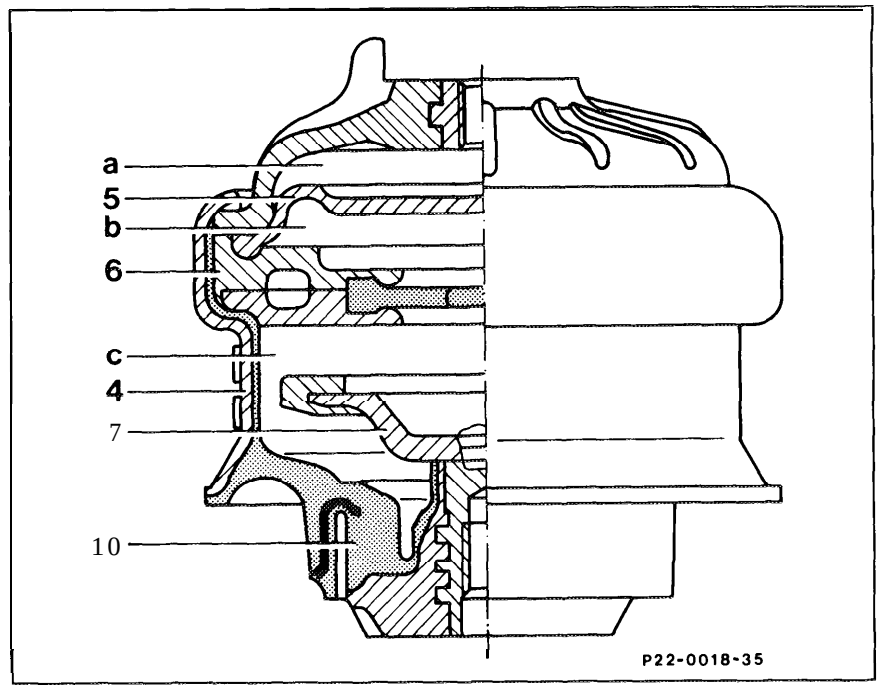
Job No.

Function of hydraulic engine mounts



4 Engine mount
5 Diaphragm
6 Plastic disc with annular passage
7 Rubber stop plate
10 Rubber mount
a Diaphragm space
b Upper chamber
c Lower chamber

The hydraulic engine mounts are filled with a glycol mixture. The glycol mixture is located in two chambers (b and c). The two chambers are connected to each other by an annular passage in the plastic disc (6). The glycol mixture flows along the annular passage into the respective chamber as the springs compress or rebound. A diaphragm (5) limits the upper chamber (b). Air is admitted to or released from the diaphragm space (a) through two passages. The rubber stop plate (7) in the lower chamber (c) is firmly connected to the bearing foot and limits the spring travel during compression. The engine mount (4) is attached by a hexagon bolt to the engine supporting bracket and by a hexagon socket bolt to the frame cross member.

All parts of the engine mounting are maintenance-free.

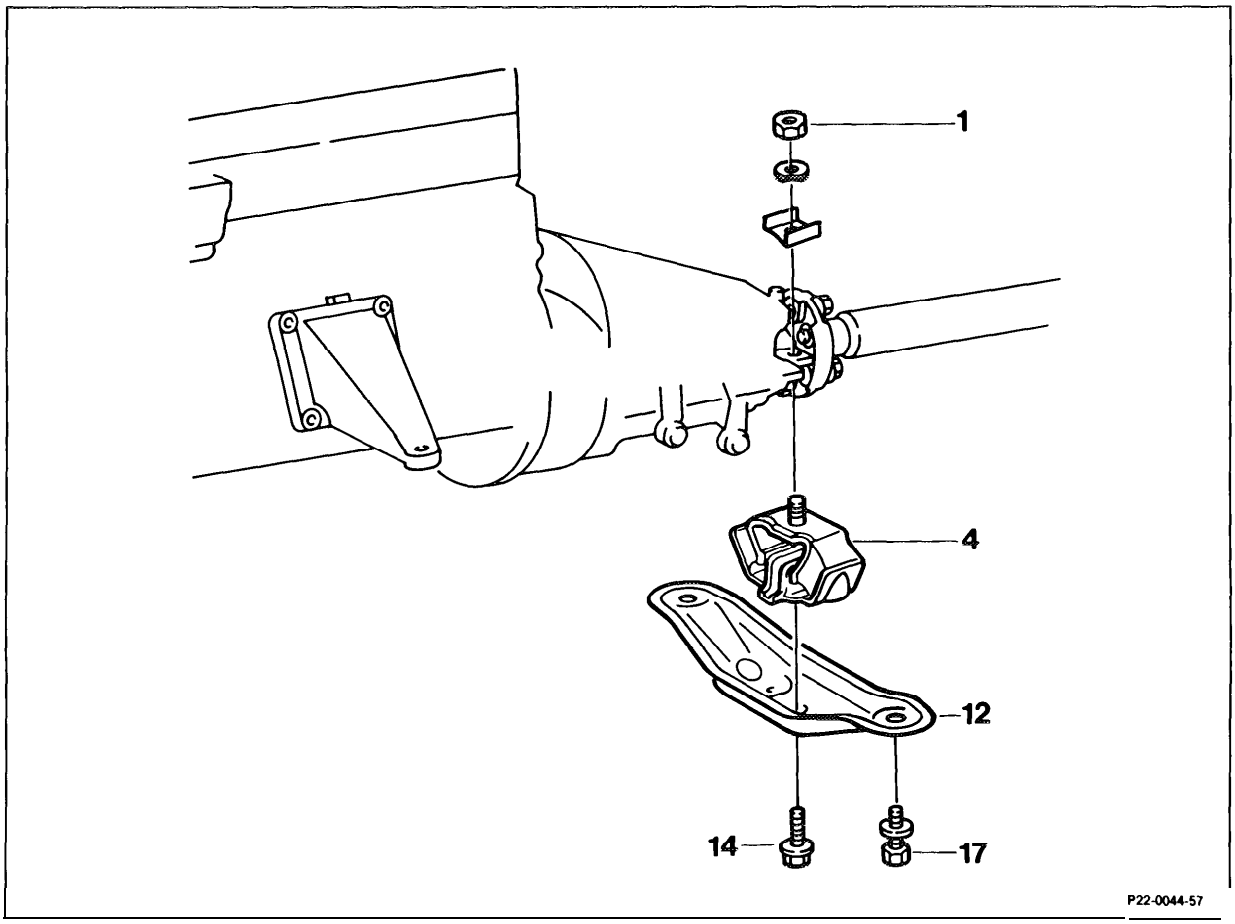
The hydraulic engine mounts have identical load bearing capacity on the left and right but differ depending on the various engine and transmission versions.

They are identified by a colored dot on the housing in order to avoid interchanging them accidentally.

22-212 Removal and installation of rear engine mount

Preceding work:
Bottom engine compartment lining removed (01-006).

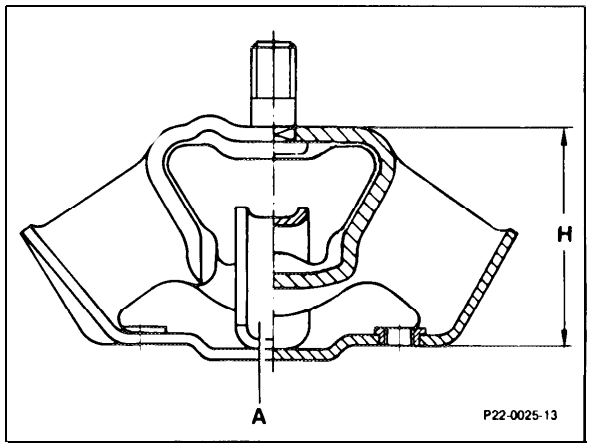
A. Vehicles with hydraulic engine mount



Hexagon nut (1)	unbolt, bolt on, 70 Nm.
Transmission	remove support from below.
Hexagon bolts (17)	unbolt, bolt in, 35 Nm.
Engine supporting bracket (12)	remove together with engine mount (4), attach. Hexagon bolts (14), 25 Nm.

Note

Effective from the introduction of the hydraulic engine mounts, the rear engine mount has been provided with a catch bar (A). In addition, the height (H) of the engine mounts has been altered.

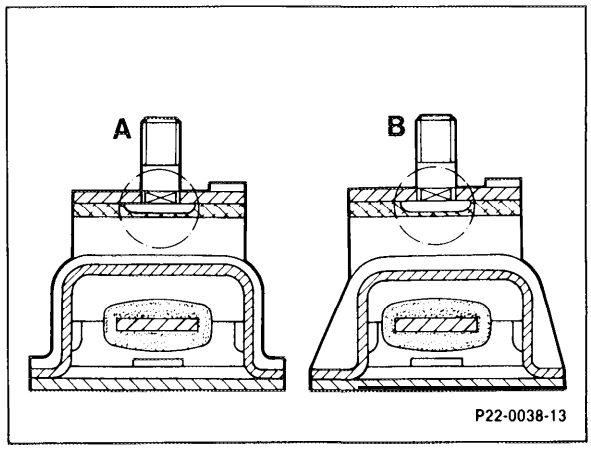


Dimensions

Model	Version	Height (H)
201	4- and 5-speed transmission	64 mm
	automatic transmission	62 mm
124	all	64 mm

Engine mount spring travel to the front limited

As a result of a production modification the spring travel of the engine mount to the front has been restricted.

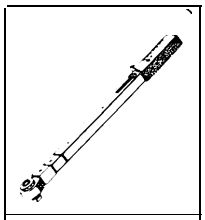


A Previous version
B Modified version

Tightening torques	Nm
Hexagon nut engine mount – transmission	**70**
Hexagon bolt engine mount – engine supporting bracket	25
Hexagon bolts of engine supporting bracket	45

[1]) 603.913 and 603.963 effective 04/88

Special tools



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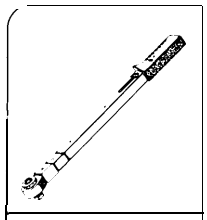

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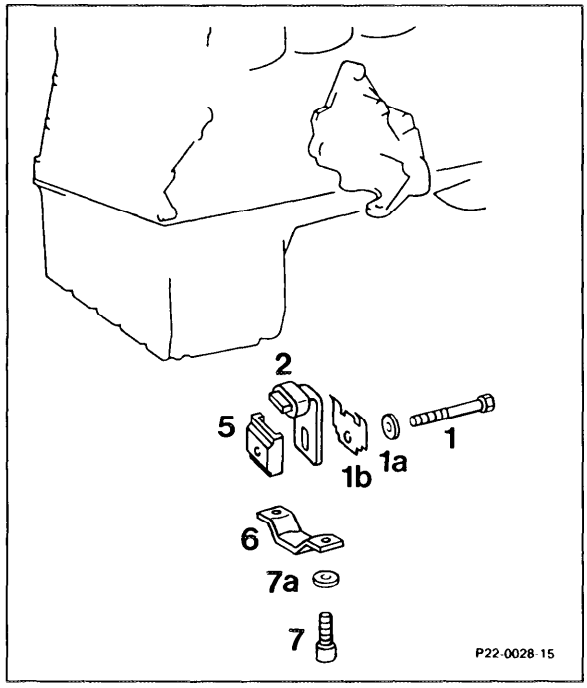
22-215 Removal and installation of front engine stop

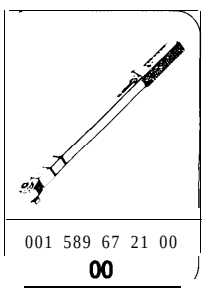
Preceding work:
Bottom engine compartment lining removed (01-006).



Adjusting bolt (1)	. . . . .	unbolt, bolt in, 130 Nm.
		Note
		Adjust engine stop (22-220).
Hexagon socket bolts (7)	.....	unbolt, bolt in, 25 Nm.
Bracket (6) and engine stop (2)	. . . . .	remove, attach.

Tightening torques	Nm
Hexagon socket bolts, engine stop bracket	25
Adjusting bolt	130

Special tools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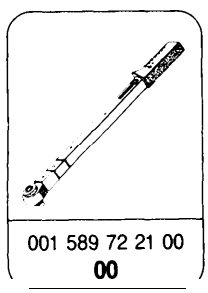
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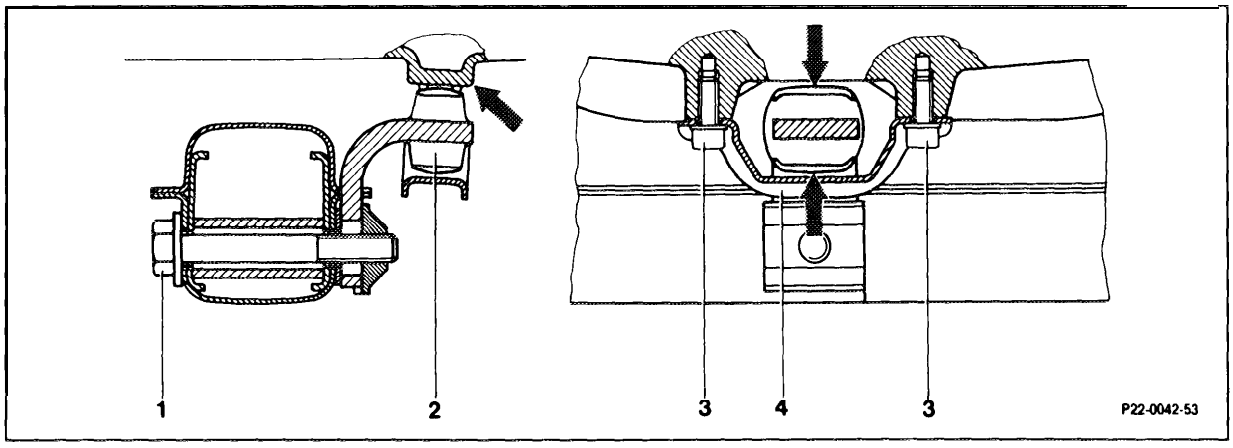
22-220 Adjusting engine stop

Preceding work:
Bottom engine compartment lining removed (01-006).



Note
For this adjustment, the vehicle must be on its wheels and ready to be driven.
The engine stop must not be treated with oil or grease.

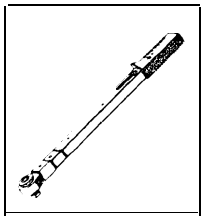
Adjusting bolt (1) . . . . . loosen at front engine stop, tighten, 130 Nm insert gauge 201 589 04 23 00 remove (steps 1, 3 – 7).

Note
Loosen prepared engine stop from frame cross member.

Adjusting bolt (11) . . . . . loosen at rear engine mount, tighten, 30 Nm (steps 2, 5).

Tightening torques	Nm
Adjusting bolt, front engine stop	130
Adjusting bolt, rear engine mount	30

Special tools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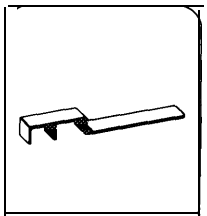
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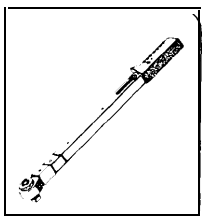
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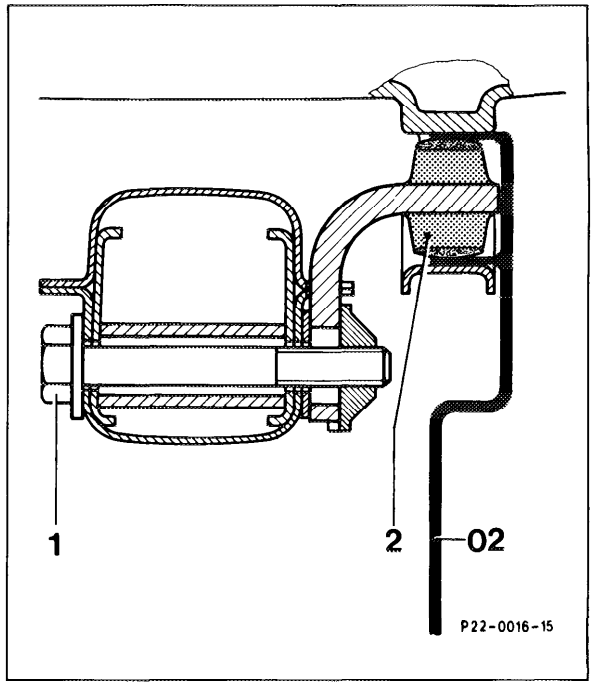
Loosening

Note
To adjust the engine stop, the vehicle must be ready to be driven and on the ground. The engine stop must not be treated with oil or grease.

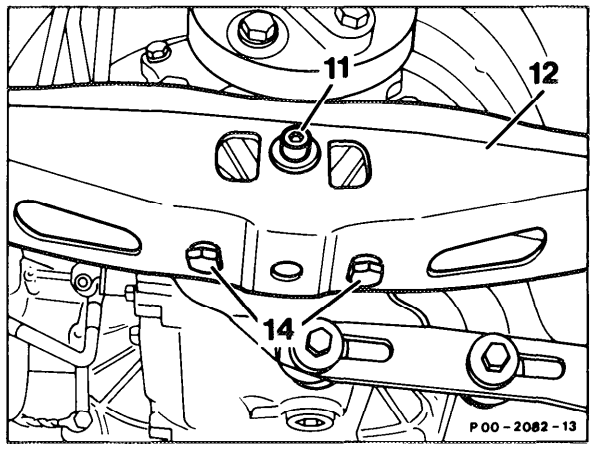
1 Loosen adjusting bolt (1) at engine stop (2) fully.

Note
Loosen the engine stop which may be sticking to the frame cross member due to wax or paint.



04 Gauge 201 589 04 23 00

2 Loosen adjusting bolt **(11)** at rear engine supporting bracket fully.



12 Engme supporting bracket
14 Engme mount hexagon bolts

Adjusting

3 Insert gauge **201 589 04 23 00 (02) at** engine stop.

4 Move engine by shaking slightly from left to right by hand.

5 Tighten adjusting bolt at rear engine mount, 30 Nm.

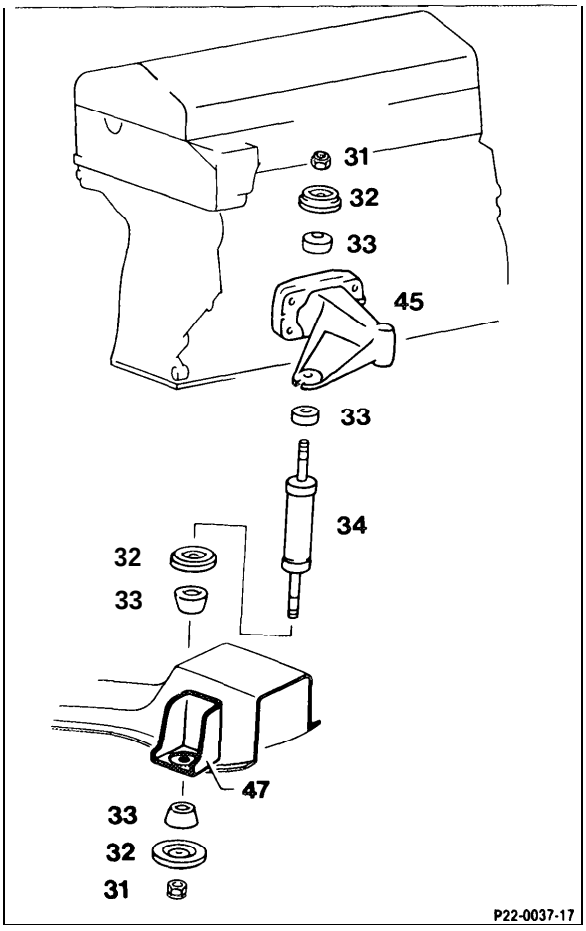
6 Tighten adjusting bolt (1) at engine stop (2), 130 Nm.

7 Remove gauge (02).

22-240 Removal and installation of engine shock absorber

Preceding work:
Bottom engine compartment lining removed (01-006).

Engine 603.96/97 in Model 126



Model 126

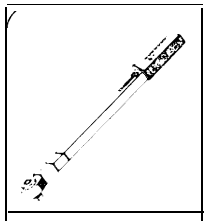
Model 126

Hexagon nut (31)	of left and right shock absorber (34), unscrew at frame cross member and at engine supporting bracket, screw on, 10 Nm.
Shock absorber (34)	take off, install.

Note
Check condition of shock absorbers and all attached parts; renew, if necessary.

Tightening torques	Nm
Hexagon nuts, shock absorber mounting	10
Hexagon bolts, shock absorber mount Model 201.128	10

Special tool



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