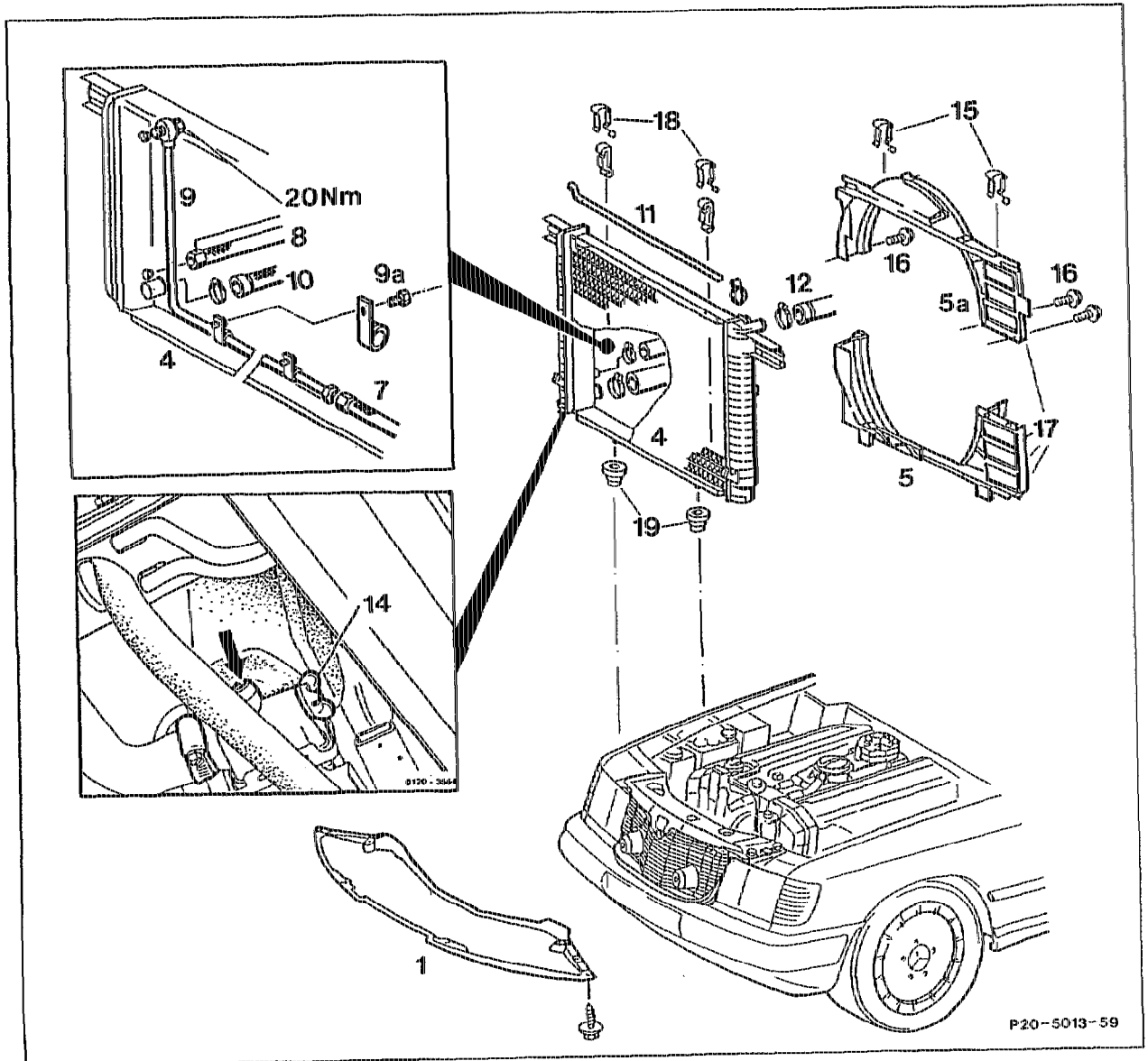


20-4200 Removing and installing radiator

Preceding work:
Bottom engine compartment panel removed
(Maintenance Manual 6190).

Operation no. of operation texts and work units or standard texts
and flat rates
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A. Model 124



Coolant to radiator drain (20-0100).

Oil lines (7) and (8) of automatic transmission at radiator (4)	unbolt, bolt on (20 Nm).
Oil line (9) of automatic transmission	remove, install.
Bracket (9a) of oil line of automatic transmission	remove, install.
Coolant hoses (10), (11) and (12)	detach, attach.
Flat springs (15)	remove, install.
Bolts (16)	unscrew, screw on.
Fan shroud (5) and (5a)	separate, remove, install.



The air flaps (17) of the fan shroud (5) and (5a) must face toward the inside of the engine compartment.

Flat springs (18)	remove, install.
Radiator (4)	remove up and out of the rubber pads (19) of the cross member, install.

Installation note

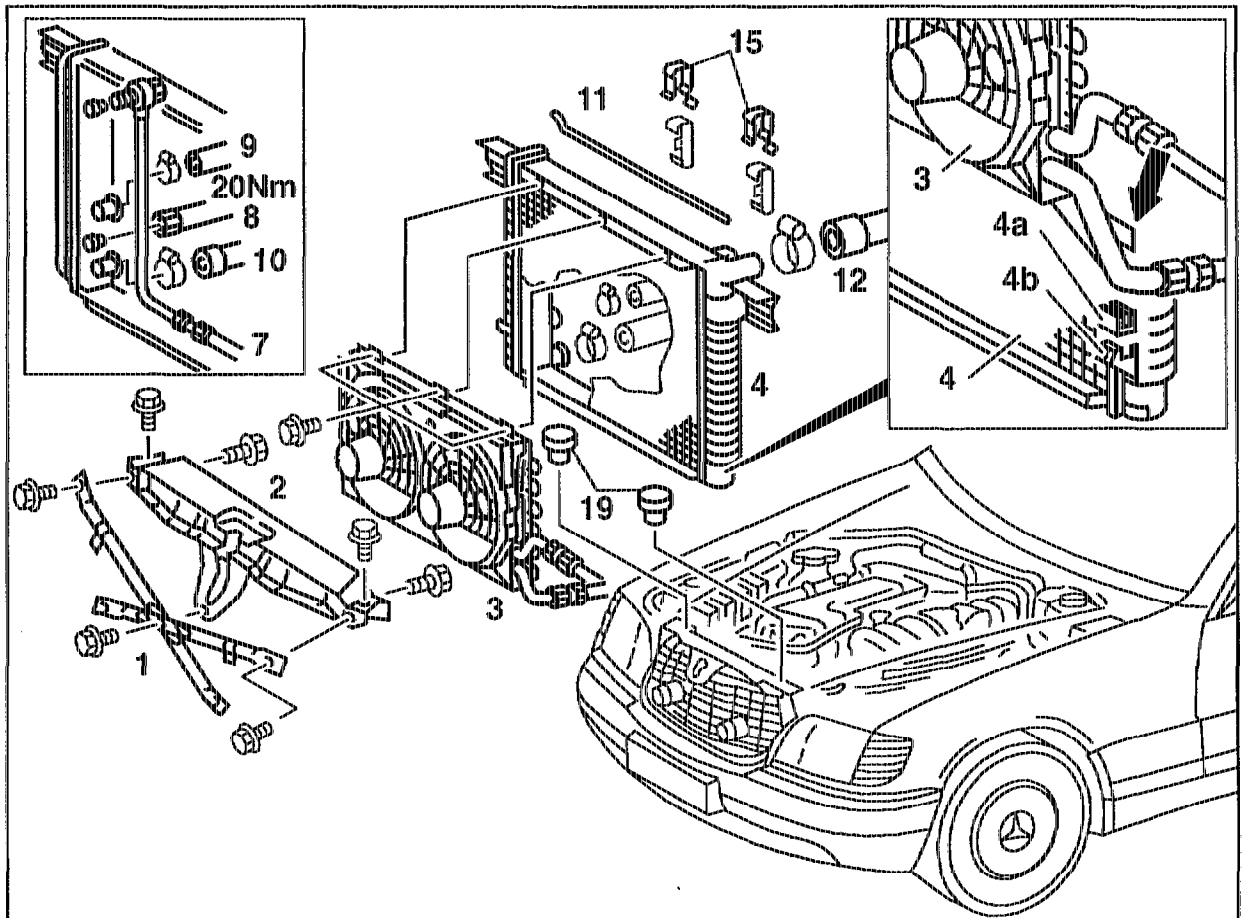
The securing studs of the radiator must be inserted into the rubber pads (19) of the cross member or mounting bracket.

Cooling system	fill, bleed (20-0100).
Oil level of automatic transmission	check, adjust to correct level.
Leaks	check.

B. Model 129

Preceding work:
Fan shroud removed (20-3400)

Operation no. of operation texts and work units or standard texts
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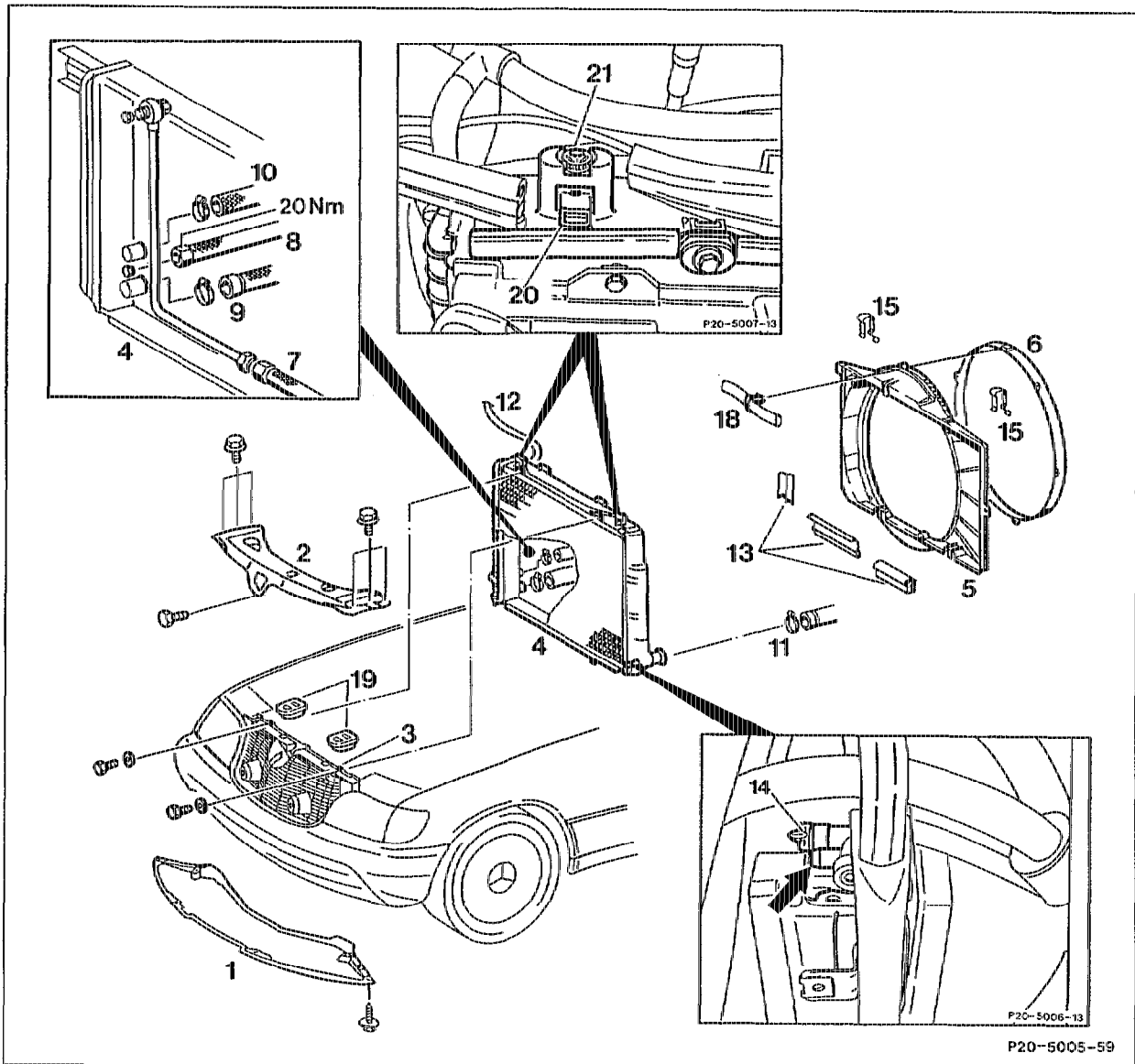
Coolant at radiator	drain (20-0100).
Coolant hoses (9), (10), (11) and (12)	detach, attach.
If automatic transmission fitted:	
oil lines (7) and (8)	unbolt, bolt on (20 Nm).
Air scoop	remove, install.
Strut (1) and cross member (2)	unbolt, bolt on.
If AC fitted: bracket, line of air conditioner	
at bottom left	slacken, bolt on.
If AC fitted: condenser (3) at radiator (4)	unbolt, bolt on.

Condenser (3)	raise, lift out of mountings (4b) at radiator (4).
	Installation note
	Fit on both rubber pads (4a) at bottom of condenser (3), stick on.
	When installing radiator, raise condenser (3) and insert into catches (4b) on radiator (4).
Radiator (4)	remove upward, install.
	Installation note
	The securing studs of the radiator must be inserted into the rubber pads (19) of the bottom cross member.
Cooling system	fill (20-0100).
If automatic transmission fitted: oil level of automatic transmission	check, adjust to correct level.
Cooling system	check for leaks (20-0170).

C. Model 140

Preceding work
Front engine compartment panel removed
(Maintenance Manual 6190).

Operation no. of operation texts and work units or standard texts
and flat rates
20-3865-4535



- | | |
|--|--------------------------|
| Coolant at radiator (4) | drain (20-0100). |
| Oil lines (7) and (8) of automatic transmission
at radiator (4) | unbolt, bolt on (20 Nm). |
| Coolant hoses (9), (10) and (11) | take off, fit on. |

Intake air scoops	remove, install (09-0060).
Radiator cross panel (2)	unbolt, bolt on.
Locking pin (18)	remove, insert.
Fan shroud ring (6)	turn to the left, place over fan, install.



When installing, ensure the 4 engaging points are correctly located.

Flat springs (15)	pull off upward, install.
Fan shroud (5)	remove, install.

Installation note

When installing, insert retaining catches of fan shroud (5) into the mounting points on the radiator (4).

Plastic strips (13) on radiator	pull off, install.
Bowden cable of hood lock at radiator (4)	detach, attach.
If AC fitted: radiator (4)	unbolt from condenser (3), bolt on.
Radiator (4)	remove upward, install.

Installation note

The fastening studs of the radiator must engage in the rubber pads (19) of the cross member.

Fan shroud (5)	install (20-3400).
Radiator cross panel (2)	bolt on.

Installation note

If new radiator (4), adjust positioning strip (20) by hand with adjusting bolt (21). To do this, turn adjusting bolt (21) with radiator cross panel (2) installed until adjusting strip (20) is resting with slight tension against radiator cross panel (2).

Cooling system	fill (20-0100).
If automatic transmission fitted: oil level of automatic transmission	check, adjust to correct level.
Cooling system	check for leaks. (20-0170).

Tightening torques in Nm

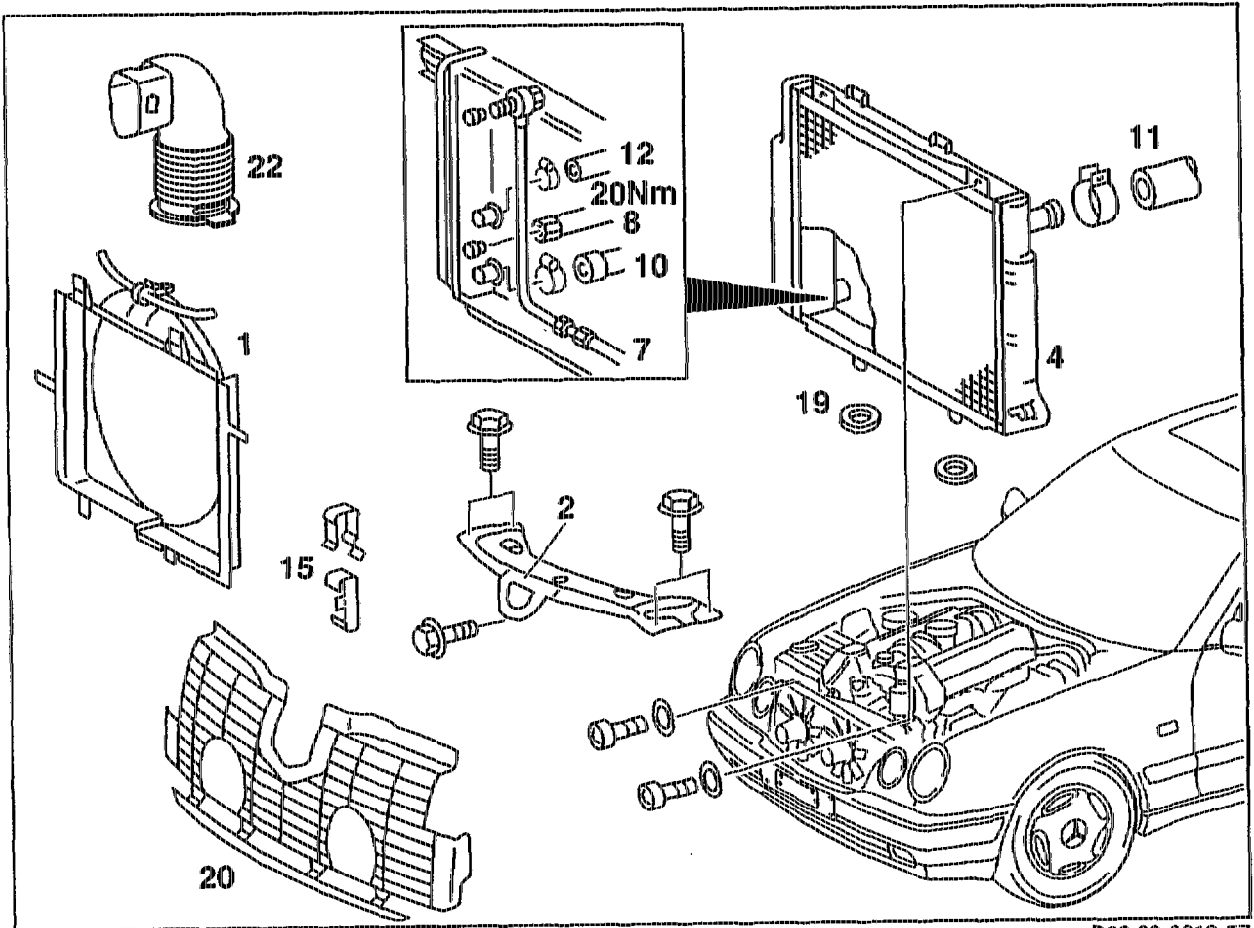
Transmission oil hose to radiator (union nut)	20.0
Hose clip (reference value)	2.5
Drain plug of radiator (reference value)	1.5

Commercially available tools and testers

Designation	e.g.	Make, order No.
7 mm wrench socket hexagon on flexible shaft for hose clip with worm drive	e.g.	Hazet D-5630 Remscheid Order No. 426-7

D. Model 210

Operation no. of operation texts and work units or standard texts
and flat rates
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Fan shroud (1)	remove, install.
Coolant at radiator	drain (20-0100).
Coolant hoses (10, 11, 12)	disconnect, connect.
ATF pipes (7) and (8) of automatic transmission .	unbolt, bolt on (20 Nm).

Note

Seal ATF pipes (7) and (8) with fitting, see note.

Fan grille (20)	remove, install.
Flat springs (15)	pull off upward, fit on.
Front member cross panel (2)	unbolt, bolt on.

Cable of hood lock at cross panel (2)	detach, attach.
Intake air scoop (22)	remove, install.
If A/C fitted: condenser at radiator (4)	unbolt, bolt on.
Radiator (4)	lift out, install.

Note

The securing studs of the radiator must engage in the rubber pads (19) of the bottom cross member when installed.

Cooling system	fill (20-0100).
ATF level of automatic transmission	check, adjust to correct level.
Cooling system	check for leaks (20-0170).

Tightening torques in Nm

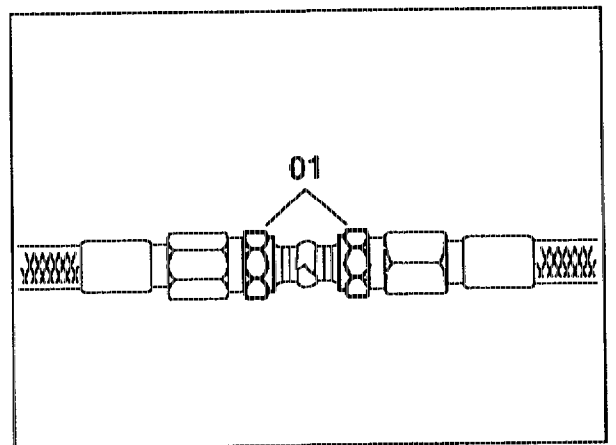
ATF hose of automatic transmission to radiator (union nut)	20
Hose clips (reference value)	2.5
Drain plug of radiator (reference value)	1.5

Commercially available tool

Socket hexagon 7 mm on flexible shaft for hose clip with worm drive	e. g. Hazet 42853 Remscheid Order no. 426-7
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Note

Seal ATF pipes with fitting (01) (shop-made).



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