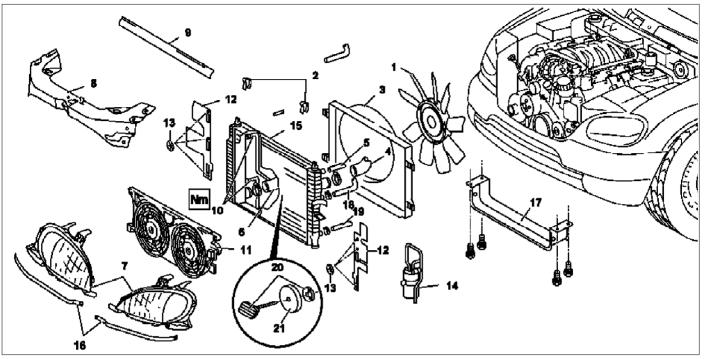
ENGINE 112.942 in MODEL 163.154 ENGINE 112.970 in MODEL 163.157 ENGINE 113.942 in MODEL 163.172 ENGINE 113.965 in MODEL 163.175 ENGINE 113.981 in MODEL 163.174



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Shown on Model 163.154 with Engine 112

- 1 Viscous fan
- 2 Plate clamps of fan shroud
- 3 Fan shroud
- 4 Coolant line
- 5 Coolant line to expansion reservoir
- 6 Coolant line
- 7 Headlamps

- Radiator crossmember
- 9 Rubber seal of radiator
- 10 ATF lines
- 11 Fan grille
- 12 Air guides
- 13 Clamps of air guides
- 14 Air conditioning system fluid reservoir
- 15 Radiator
- 16 Cover strips

- 17 Air deflector plate
- Oil line (return line radiator expansion reservoir of power steering pump)
- 19 Oil line (feed line steering gear! radiator)
- 20 Fasteners
- 21 Damper rubber

Modification notes

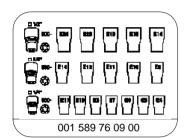
23.3.00 F	Radiator with integral oil cooler for power steering pump	See step 5 and 16	
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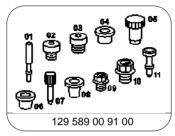
XX	Remove/install		
i		S External torx set	*001589760900
i		6 mm hexagon socket	*WH58.30-Z-1001-06A
		7 mm hexagon socket	*WH58.30-Z-1002-06A
1.1	Remove air deflector plate (17)	i Engine 113.942 only.	
⚠ Danger!	Risk of injury to skin and eyes from scalding	Do not open cooling system unless coolant	AS20.00-Z-0001-01A
	due to contact with hot coolant spray. Risk of poisoning if coolant is swallowed.	temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage bottles.	
		Wear protective gloves, protective clothing	
2	Drain the coolant at the radiator	and eye protection. i To drain the coolant, detach coolant line at the bottom of the radiator or at the coolant pump.	AR20.00-P-1142HA
		Installation: Replace the hose clamps on	
		the radiator fitting for the coolant hose, as they could cause damage to the screw/thread.	
		Nm Hose clamp	*BA20.20-P-1004-01A

3.1	Remove viscous fan (1)	1 Engine 112.942 /970 and 113.942.	AR20.40-P-5660C
		i Right-hand thread!	
3.2	Remove electric fan	i Only Engine 113.965 /981.	AR20.40-P-5000GH
4.1	Pull off plate clamps of fan shroud (2)	i Only for Engine 112.942, from 5/98.	
5.1	Remove fan shroud (3)	i Only for Engine 112.942 /970 und 113.942. Unscrew the bolts at bottom of fan shroud for this step	
		i Installation: If installing a new radiator	
		with integral power steering pump oil cooler, a new fan shroud is required if a radiator without integral oil cooler was previously installed.	
6	Remove headlamp (7).		AR82.10-P-4730GH
7	Remove radiator crossmember (8)		AR62.30-P-2300GH
8	Detach coolant line (4, 6) and expansion reservoir coolant line (5) at the radiator	Installation: Replace the hose clamps on the radiator fitting for the coolant hose, as they could cause damage to the screw/thread. Mem Hose clamp	*BA20.20-P-1004-01A
9	Remove the rubber seal on radiator (9)		
10.1	Remove oil line (return line of radiator! power steering pump expansion reservoir) (18) and oil line (feed line of steering gear! radiator) (19)	From 5/98 only, seal off the connections.	
	radiately (10)	Set of plugs	*129589009100
11	Unscrew ATF lines (10) at the radiator	i Seal off the connections.	
		Nm	*BA20.20-P-1001-01A
		Nm	*BA20.20-P-1003-01A
		Set of plugs	*129589009100
12.1	Detach the connector from the fan and remove the fan grille (11)	1 Only for Engine 112.942 /970 and 113.942	
13	Unscrew the condenser from the radiator	i Do not disconnect the lines.	
14	Remove fasteners (20) and damper rubber (21)	i The damper rubber (21) is designed to prevent possible vibrations between the condenser and radiator (15) during off-road driving.	
15	Remove air conditioning system fluid reservoir (14) from the radiator	Place aside with the lines connected. Detach the condenser from the radiator.	
16	Remove radiator (15)	When installing, the spigots on the radiator must be inserted in the rubber grommets in the bottom crossmember.	
		i Installation: On Model 163.154 with Engine 112.942 before VIN end number 043553, when installing a new radiator with integral power steering pump oil cooler, additional operations are required, if they have not already been carried out:#	
V	Retrofit the bracket for the oil cooler line of		SM46.30-P-0002A
k	the power steering pump Radiator with integral oil cooler for the power		BT20.20-P-0001-01A
17	steering pump Detach air guides (12)	i Replace the clamps on air guides (13).	
18	Install in the reverse order	Treplace the clamps on all guides (13).	
19	Pour in coolant		AR20.00-P-1142HA
20	Check the headlamp setting and correct if		
e	necessary Check and adjust the headlamp setting		AP82.10-P-8260GH
_		Secure the vehicle to prevent it from moving	AS00.00-Z-0005-01A
⚠ Danger!	Risk of accident caused by vehicle starting off when engine is running. Risk of injury caused by contusions and burns when working in engine during starting procedure	Secure the vehicle to prevent it from moving. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	
21	Check the oil level in the automatic transmission and correct if necessary		AR27.00-P-0101A
22	tranomicolori and contout ii necessary		AR20.00-P-1010HA

Nm Radiator, coolant hoses

Number	Designation		Engine 112.942/ 970, 113.942/ 965/981
BA20.20-P-1001-01A	Union nut on automatic transmission ATF line to radiator	Nm	20
BA20.20-P-1003-01A	Banjo bolt	M12X1.5 Nm	30
BA20.20-P-1004-01A	Hose clamp	Nm	3





External Torx set

Set of plugs

Commercially available tools

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1001-06A	6 mm hexagon socket on flexible shaft for hose clamps with worm drive	Hazet	426-6
		Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	
WH58.30-Z-1002-06A	7 mm hexagon socket on flexible shaft for hose clamps with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-7