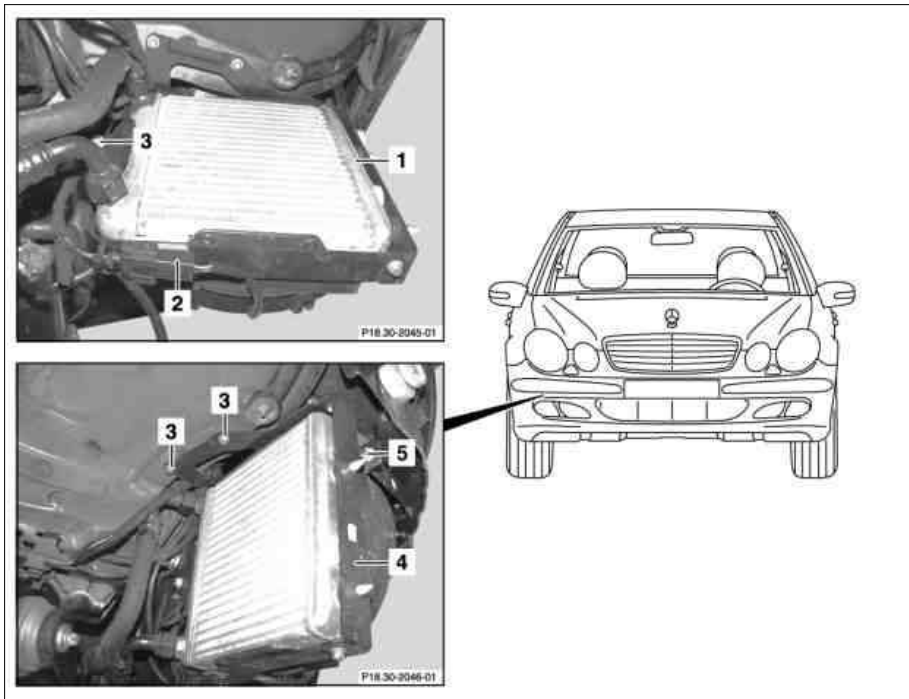
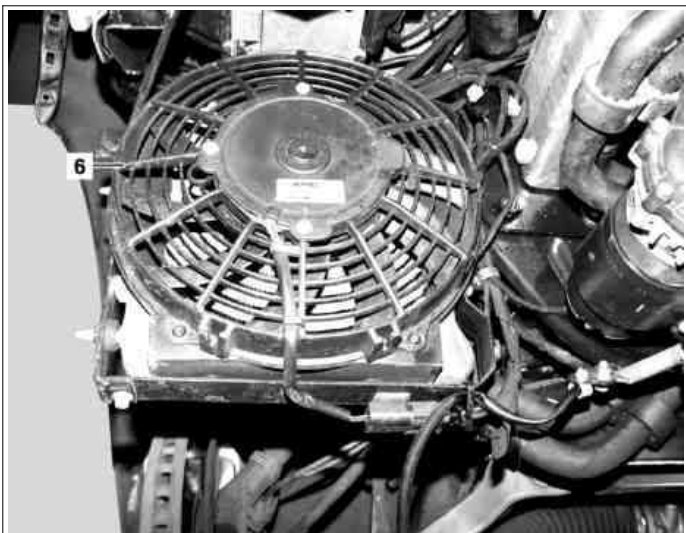


- 1 Oil cooler
- 2 Electrical coupling
- 3 Bolts
- 4 Bracket
- 5 Nut



P18.30-2043-06

- 6 Fan



P18.30-2047-11

Modification notes

21.11.04	BT measure regarding oil drain screw - added	Step 3	BT01.45-P-7500-01R
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	Remove/install		
Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the pillars of the lifting platform and position the four support plates at the lifting platform mounting points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
1	Remove front bumper		AR88.20-P-2000T
2	Turn wheels to the right		
3	Drain/collect engine oil	Observe technical information since it could also come to leaks on the oil drain screw.	
BT AP	Measure concerning oil drain screw Engine oil change and filter change	Nm Oil drain screw to oil pan Engine oil filling capacity	BT01.45-P-7500-01R AP18.00-P-0101R *BA01.45-P-1003-01B *BF18.00-P-1001-01H

4	Remove oil cooler	Loosen oil lines on oil cooler (1). Disconnect electrical coupling (2) on fan (6) from oil cooler (1) and separate cable tie. Remove bolts (3) and nuts (5) on bracket (4). Remove oil cooler (1) with bracket (4). Oil line on oil cooler Bolt, bracket to retaining frame Nut, bracket to retaining frame	*BA18.30-P-1003-01B *BA18.30-P-1006-01B *BA18.30-P-1007-01B
5	Remove fan (6) from oil cooler (1)	Bolt, fan to engine oil cooler	*BA18.30-P-1005-01B
6	Open bracket (4) and remove oil cooler (1)		
7	Pull oil cooler (1) out of bracket (4) on left and right	Installation: Check rubber rings for damage. Moisten retaining rings lightly with antifriction agent. Antifriction agent	*BR00.45-Z-1010-06A
8	Install in the reverse order		
	Checking		
Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running Check for leaks with engine running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
9	Check engine oil level using a workshop oil dipstick		AR18.00-P-3035-01O
10.1	Check engine oil level over the control system	Check engine oil level	AR54.30-P-1000-02OPT

Oil pan

Number	Designation	Engine 113.990
BA01.45-P-1003-01B	Oil drain screw to oil pan M14 Nm	30

Oil cooling system

Number	Designation	Engine 113
BA18.30-P-1003-01B	Union nut, oil line to oil cooler Nm	30
BA18.30-P-1005-01B	Bolt connecting fan to engine oil cooler Nm	4
BA18.30-P-1006-01B	Bolt connecting bracket to retaining frame Nm	9
BA18.30-P-1007-01B	Nut connecting bracket to retaining frame Nm	9

Engine lubrication

Number	Designation	Engine 113.987/988/ 990/992/993/ 995
BF18.00-P-1001-01H	Engine oil Filling capacity with oil filter Liters	8.5
	Filling capacity without oil filter Liters	8.0

	Specifications for Operating Fluids	Sheet	-
		Sheet	-
		Sheet	BB00.40-P-0229-05A

Repair materials

Number	Designation	Order number
BR00.45-Z-1010-06A	Lubricant, rubber assembly 1 l	A 000 989 03 67