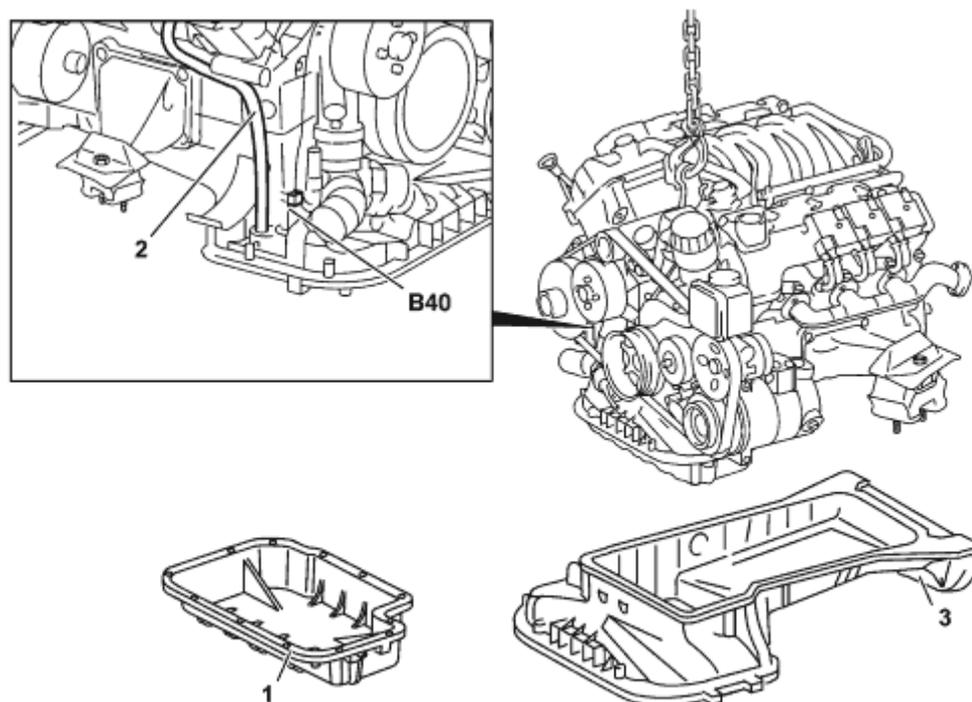


AR01.45-P-7500FB	Removing/installing oil pan	22.12.97
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ENGINE 112.942 in MODEL 163.154
ENGINE 112.970 in MODEL 163.157
ENGINE 113.942 in MODEL 163.172
ENGINE 113.981 in MODEL 163.174
ENGINE 113.965 in MODEL 163.175

Shown on engine 112

1 Bottom part of oil pan
2 Oil pipe
3 Top part of oil pan
B40 Oil sensor (oil level, temperature
and quality)



P01.45-2015-06

	Removing/installing		
		External torx set	001 589 76 09 00

1	Remove oil pan bottom section (1)	Models 163.154 /157 /172.	AR01.45-P-7555V
		Models 163.174 /175.	AR01.45-P-7555VE
		Hm	BA01.45-P-1002-01B
2	Disconnect electrical line at oil sensor (oil level, temperature and quality) (B40)	i Remove cable strap at oil pipe.	
3	Remove oil pipe (2) from dipstick	i Installation: Replace the sealing ring!	AR18.40-P-3510BV
		Hm	BA01.20-P-1001-01E
4	Remove the upper section of the oil pan (3)	Take out oil pan to the front in direction of travel for this step; rotate crankshaft slightly, if necessary. i Installation: Observe different bolt length and bolt diameter: ↓	Rotate eng. via the crankshaft bolt turning it ONLY to the right and NEVER to the left.
		Bolt diagram of oil pan	AR01.45-P-7500-06F
i	Notes on application of sealant to oil pan	Engine 112	AH01.45-P-0001-01C
i	Notes on application of sealant to oil pan	Engines 113.942/ 965/ 981.	AH01.45-P-0001-01E
		Hm	BA01.45-P-1001-01B
			BR00.45-Z-1015-01A
5	Install in reverse order		
6	Read diagnostic fault code memory and erase	Stored faults which can result from cables being disconnected or from simulation during removal and installation or test work, have to be processed and erased in the fault memories after completing the work:↓	
		Diagnosis Manual Volume 2, Index 0: Connecting and using test equipment	
	Risk of accident caused by vehicle	Secure vehicle to prevent it from	AS00.00-Z-0005-01A

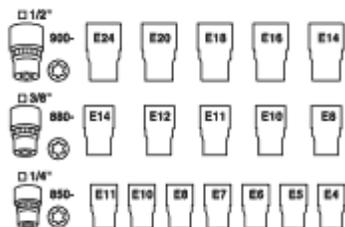
 Danger!	starting off by itself when engine is running. Risk of injury caused by contusions and burns when working in engine during starting procedure	moving. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	
7	Run engine and inspect for leaks		

 **Crankcase ventilation, cylinder head cover**

Number	Designation		Engine 112	Engines 113.942/965/981
BA01.20-P-1001-01E	Bolt of cylinder head cover	Nm	8	10
BA01.20-P-1002-01E	Bolt of ignition coils on cylinder head cover	Nm	8	8

 **Oil pan**

Number	Designation			Engine 112	Engines 113.942/965/981
BA01.45-P-1001-01B	Bolt for oil pan on crankcase	M6	Nm	9	9
		M8	Nm	20	20
BA01.45-P-1002-01B	Self-tapping bolt of oil pan on oil pan	Thread not pretapped	Nm	14	14
		Thread pretapped	Nm	10	10



001 589 76 09 00

External Torx set

Auxiliary repair materials

Number	Designation	Order number
BR00.45-Z-1015-01A	Loctite sealant 5970	A 003 989 98 20 10