

AR01.45-P-7555VE

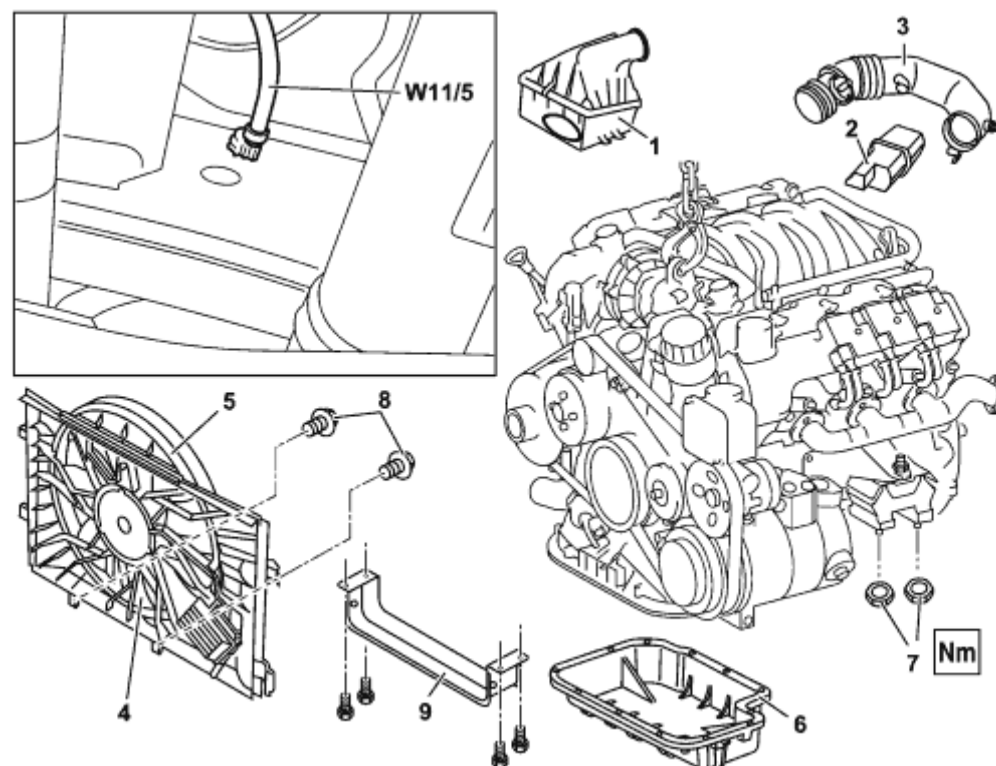
Remove/install bottom part of oil pan

11.1.01

ENGINE 113.965 in MODEL 163.175












ENGINE 113.981 in MODEL 163.174

- 1 Air cleaner housing
- 2 Resonance body
- 3 Resonance pipe
- 4 Electric fan
- 5 Fan shroud
- 6 Bottom part of oil pan
- 7 Nuts
- 8 Bolts of fan shroud
- 9 Air baffle
- W11/5 Engine ground strap/body



P01.45-2075-06

	Remove/Install		
		External torx set	001 589 76 09 00
1	Remove engine trim panel		
2	Drain and collect engine oil		BA01.45-P-1003-01B

			
			BF18.00-P-1001-01H
3	Unscrew nuts (7) at front suspension carrier	 Before unbolting the left engine mount, press oil line of power steering out of bracket.	
			BA22.10-P-1001-01L
4	Remove resonance pipe (3) and resonance body (2)	 Do not damage the plastic strap.	AR07.07-P-1454MV
		 Separate plug connection of hot film mass air flow sensor (HFM) for this step and unbolt resonance pipe at cylinder head cover. The resonance pipe is attached to the rear of the intake manifold with a plastic plate.	
5	Fit on engine supporting frame		AR33.10-P-0100-01BV
		 Engine lifting device for ML-class	WH58.30-Z-1013-07A
6	Raise engine	 Ensure that the rear of the engine does not touch the body! Do not overstretch coolant lines and engine ground strap/body (W11/5), if necessary remove engine ground strap/body (W11/5).	
7	Remove bottom part of oil pan (6)	 Installation: Clean sealing surfaces, apply sealing compound to the sealing surfaces with a bead of 2.0 mm ± 0.5 mm! The sealant must be applied within 10 minutes! The silicone bead must not be spread!	BR00.45-Z-1015-01A
	Notes on application of sealant to oil pan		AH01.45-P-0001-01E
			BA01.45-P-1002-01B

8	Install in the reverse order		
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Nm Oil pan

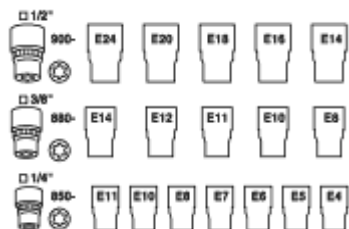
Number	Designation			Engines 113.942/965/981
BA01.45-P-1002-01B	Self-tapping bolt of oil pan to oil pan	Thread not pretapped	Nm	14
		Thread pretapped	Nm	10
BA01.45-P-1003-01B	Oil drain plug to oil pan	M14	Nm	30

Nm Engine mounts, engine supports

Number	Designation			Engines 112, 113
BA22.10-P-1001-01L	Bolt of front engine mounts to front axle carrier		Nm	35

Engine lubrication


Number	Designation		Engine 113.981	Engine 113.965	
BF18.00-P-1001-01H	Engine oil	Filling capacity with oil filter	Liters	7.5	7.5
		Filling capacity without oil filter	Liters	-	7.0
		Specifications for Operating Fluids	Sheet	BB00.40-P-0229-01A	BB00.40-P-0229-01A
			Sheet	BB00.40-P-0229-03A	BB00.40-P-0229-03A
		Sheet	BB00.40-P-0229-05A	BB00.40-P-0229-05A	



001 589 76 09 00

External Torx set

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1013-07A	Engine lifting device for ML-class	SPX (Europe) AG Kent-Moore Division attn.: Mr Hodel Oberneuhofstr. 1 CH-6340 Baar Fax:+4141/761-43-43 Fax:+4141/761-07-27  SPX Corporation OE Tool+Equipment 28635 Mound Road warren, MI 48092 Tel: 1-800-345-2233 Fax: 1-800-578-7375	0334.01

Auxiliary repair materials

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