

- Engine 651 in model 204 (except 204.9), 212 with transmission 711  
except code M005 (4MATIC)
- Engine 651 in model 204 (except 204.9), 212 with transmission 722  
except code M005 (4MATIC)
- Engine 651 in model 207 with transmission 711
- Engine 651 in model 207, 218 with transmission 722
- Engine 651 in model 212 with transmission 724.20  
except code M005 (4MATIC)

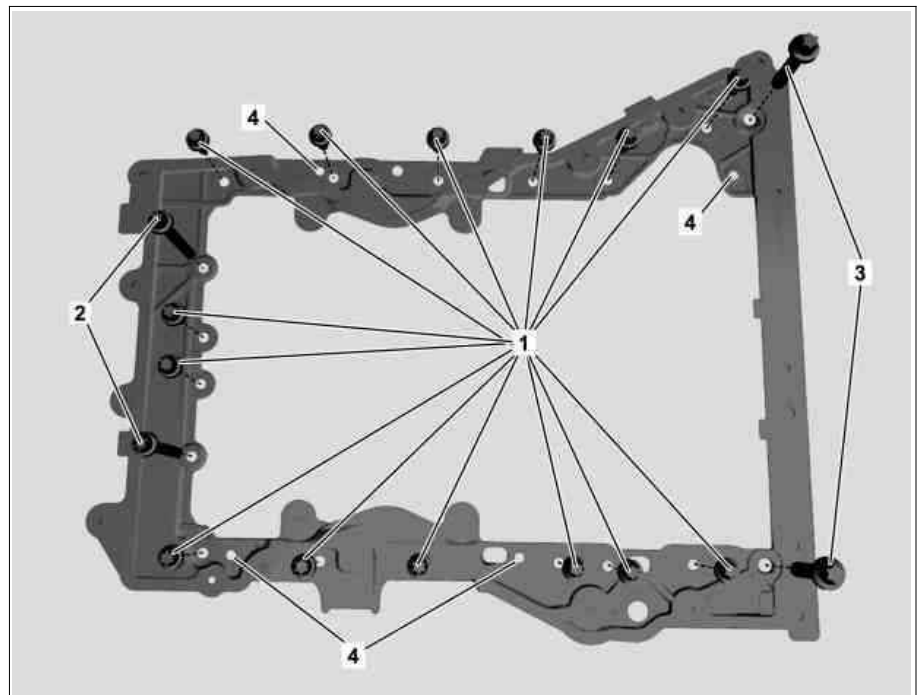


P01.45-2322-07

- 7 Bolts  
8 Oil suction pipe

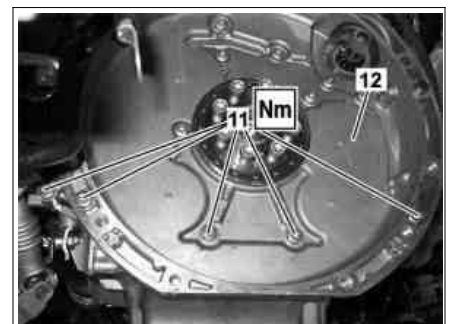
- 9 O-ring  
10 Oil pump

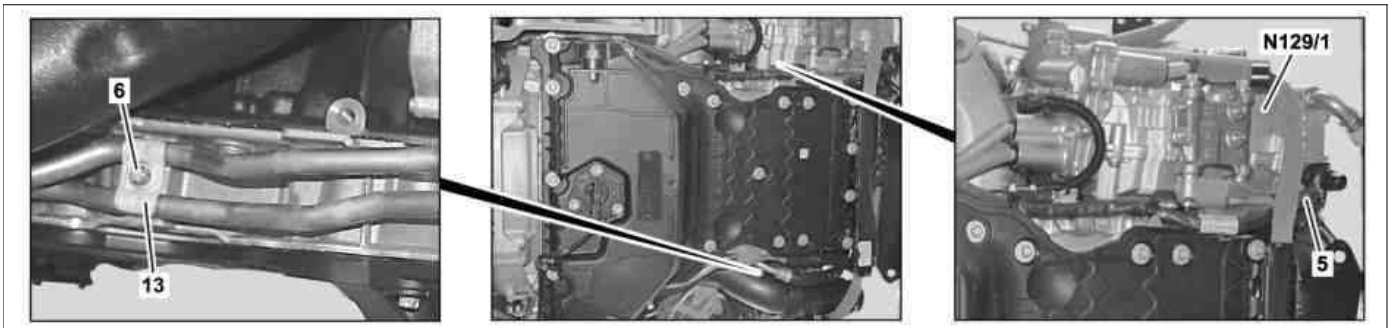
- 1 Bolts  
2 Bolts  
3 Bolts  
4 Screw feedthroughs



P01.45-2323-06

- 11 Bolts  
12 Timing case cover





## Shown on models 212.098/298

5	Electrical line, terminal 30	13	Transmission oil lines holder
6	Screw	N129/1	Power electronics control unit

⚠ Caution	<b>Risk of injury</b> to skin and eyes due to handling of engine oil. <b>Risk of poisoning</b> caused by swallowing engine oil	Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers.	AS18.00-Z-0001-01A
⚠ Warning	<b>Risk of injury</b> . Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
⚠ Caution	<b>Risk of injury</b> caused by scraping or cutting body parts on sharp vehicle parts	Always wear protective gloves when working on or near sharp and non-deburred vehicle parts. Deburr repair panels.	AS00.00-Z-0017-01A
	Note on high-voltage on-board electrical system		AH54.00-P-0010-01A
	Notes on threaded connections fastened using a tightening angle-based tightening process		AH00.00-P-0020-01A
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Notes on bolted connections with self tapping screws		AH00.00-P-0007-01SF
	Evaluation of high-voltage components		AH54.00-P-6500-01SXH
⚡ ⚡	<b>Remove/install</b>		
1	Perform enable for the high voltage on-board electrical system	MODEL 212.098/298	AR54.10-P-1150EH
2	Disconnect ground line at the on-board electrical system battery	model 204  Model 207, 212, 218	AR54.10-P-0003CW  AR54.10-P-0003EW
3	Remove flywheel/drive plate	Engine 651 in model 204 (except 204.9), 212 with transmission 711 except code M005 (4MATIC) Engine 651 in model 204 (except 204.9), 212 with transmission 722 except code M005 (4MATIC) Engine 651 in model 207 with transmission 711 Engine 651 in model 207, 218 with transmission 722 Model 212.098/298 with engine 651.9 with transmission 724.20 except code M005 (4MATIC)	AR03.30-P-8001CD  AR03.30-P-8001EH
4	Remove oil pan bottom section	Engine 651 in model 204 (except 204.9), 212 with transmission 711 except code M005 (4MATIC) Engine 651 in model 204 (except 204.9), 212 with transmission 722 (except 722.96) except code M005 (4MATIC) Engine 651 in model 207 with transmission 711 Engine 651 in model 207, 218 with transmission 722 Engine 651 in model 212 with transmission 724.20 except code M005 (4MATIC)	AR01.45-P-7555CD

5	Remove circuit 30 electrical line (5) from power electronics control unit (N129/1), and expose on oil pan top section	MODEL 212.098/298  ⚠️ <b>Installation:</b> Ensure contact surfaces are absolutely clean. There may be contact problems otherwise and consequently damage to the high voltage on-board electrical system. Nm Nut, electrical line circuit 30 to power electronics	*BA08.20-P-1003-01D
6	Remove screw/bolt (6) at transmission oil line bracket (13)	MODEL 212.098/298	
7	Remove screw/bolts (7)	Nm Bolt, oil suction pipe to bearing housing	*BA18.10-P-1002-01O
8	Pull oil suction pipe (8) down and off	i <b>Installation:</b> Replace O-ring (9) on oil suction pipe (8). Push oil suction pipe (8) up to end stop in the oil pump (10).	
9	Remove screw/bolts (11) on timing case cover (12)	Nm Bolt, timing case cover to crankcase/cylinder head/oil pan top section	*BA01.40-P-1001-01X
10	Remove screws/bolts (1, 2 and 3) on oil pan top section	i <b>Installation:</b> Pay attention to different screw/bolt lengths and screw/bolt diameters. Nm Bolt, oil pan top section to crankcase/lower crankcase section	AR01.45-P-7500-06CD  *BA01.45-P-1001-01S
11	Screw screws/bolts M6x60 into threaded holes in area of screw/bolt passages (4), and pry off oil pan top section carefully and evenly		
12	Remove oil pan top section		
13	Remove pilot bushing in crankcase	i <b>Installation:</b> The pilot bushings are no longer needed during installation.	
14	Remove sealant and clean sealing surfaces Notes on sealant path for oil pan 000 588 00 84 00 Heat gun WS	⚠️ Do not clean sealing surfaces with sharp-edged or tipped objects. Damage could occur on the sealing surfaces otherwise. i Heat sealing surfaces of oil pan top section to ensure that sealant is released more easily. Loctite 7200 Loctite 7063 cleaning spray (150 ml) Sealant, Loctite 5970, 50 ml ☑️ Application gun	AH01.45-P-0001-01CD WS54.00-P-0049B AR01.00-P-0050-01A  *BR00.45-Z-1038-04A *BR00.45-Z-1046-04A *BR00.45-Z-1013-01A *112589002500
15	Install in the reverse order		
	Check		
16	Check engine oil level, correct if necessary AP	⚠️ The engine oil level must lie between Min and Max. Engine damage can occur otherwise.	AP18.00-P-1811MP
⚠️ Warning	<b>Risk of burn injuries</b> , suffocation and poisoning when working on the exhaust system and the components connected to it. Risk of suffocation and risk of poisoning caused by inhalation of gaseous and solid components of the exhaust. <b>Risk of poisoning</b> caused by skin contact with solid components of the exhaust.	Wear protective clothing and safety glasses. Use the extraction system. Move people out of the hazard area.	AS49.00-Z-0001-01A
⚠️ Warning	<b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running.	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
17	Carry out engine test run and check engine for leaktightness in the area of the oil pan		

Nm Crankcase, timing case cover, end cover

Number	Designation	Engine 651
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BA01.40-P-1001-01X	Bolt, timing case cover to crankcase/cylinder head/oil pan top section	M8	Nm	20
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**Nm** Oil pan

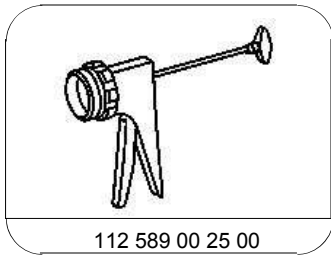
Number	Designation			Engine 651
BA01.45-P-1001-01S	Bolt, oil pan top section to crankcase/lower crankcase section	M6	Nm	10
		M8	Nm	22

**Nm** Control units

Number	Designation			Engine 156, 157, 271, 272, 273, 274, 276, 278, 642, 651 in model 212
BA08.20-P-1003-01D	Nut, electrical line circuit 30 to power electronics	M8	Nm	14

**Nm** Oil pump

Number	Designation				Engine 651
BA18.10-P-1002-01O	Bolt, oil suction pipe to bearing housing	M6	Stage 1	Nm	6
			Stage 2	∠°	90
		M8		Nm	34



112 589 00 25 00

Application gun

Repair materials

Number	Designation	Order number
BR00.45-Z-1013-01A	Sealant, Loctite 5970, 50 ml	A 003 989 98 20 10
BR00.45-Z-1038-04A	Loctite 7200	Henkel AG & Co. KGaA <a href="http://www.loctite.de">http://www.loctite.de</a>
BR00.45-Z-1046-04A	Loctite 7063 cleaning spray (150 ml)	A 001 986 71 71 10