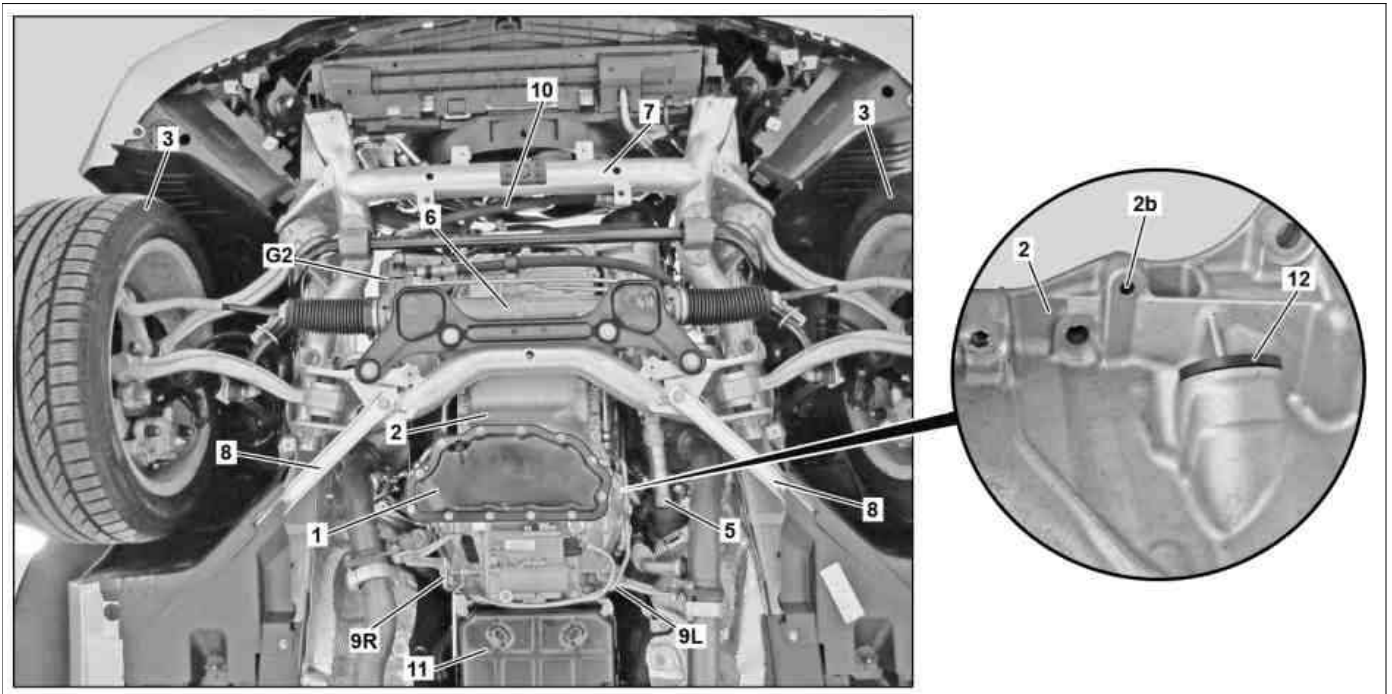


Engine 276.9 in model 204, 207



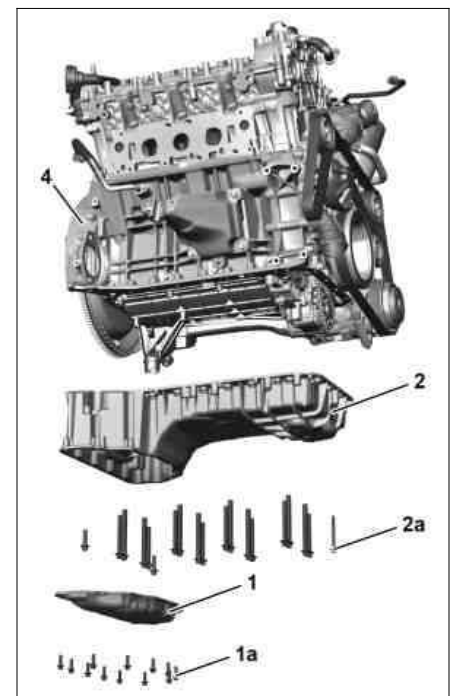
P01.45-2359-09

- 1 Oil pan bottom section
- 2 Oil pan
- 2b Disassembly bore hole
- 3 Wheels
- 5 Steering coupling

















- 6 Rack-and-pinion steering
- 7 Front axle carrier
- 8 Diagonal struts
- 9L Transmission oil line
- 9R Transmission oil line

- 10 Pressure line D1
- 11 Transmission
- 12 Sealing ring
- G2 Alternator

- 1 Oil pan bottom section
- 1a Screw
- 2 Oil pan
- 2a Screw
- 4 Cylinder crankcase



P01.45-2356-03

 Warning	Risk of injury caused by fingers being jammed or pinched when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	No parts of the body or limbs should be within the operating area when the components are moving.	AS00.00-Z-0011-01A
	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 threaded connections with aluminum screws/bolts		AH00.00-P-0006-01RM
	Remove/install		
1	Remove front engine cover		
2	Remove engine air intake duct upstream of air filter		
3	Secure vehicle on the vehicle lift		AR00.60-P-0100CW
4	Remove lower engine compartment paneling	Model 207, 204 except 204.9 MODEL 204.9	AR61.20-P-1105EW AR61.20-P-1105CY
5	Drain engine oil and catch in a suitable container		
			AP18.00-P-0101CWZ
6	Detach front wheels (3)		
			AP40.10-P-4050CW
7	Disconnect electrical connection on oil level check switch		AR18.40-P-5113FH
8	Remove heat shield over crankshaft Hall sensor		AR15.12-P-2136FH
9	Remove oil dipstick guide tube		AR18.40-P-3510FH
		 Installation: Check sealing ring (12) for oil dipstick guide tube in oil pan (2) and replace if necessary.	
10	Mount engine hoist and raise engine slightly		AR33.10-P-0105CW
		 Only raise engine sufficiently that the engine mounts are not under tension.	
11	Detach steering coupling (5) from lower steering shaft		AR46.10-P-8000CW
		 The steering coupling (5) remains on the rack-and-pinion steering (6).	
12	Remove diagonal struts (8)	 Bolt, diagonal strut mount to front axle carrier/longitudinal member	*BA61.10-P-1004-01H
13.1	Lower front axle carrier (7)	Engine 276.9 in model 204, 207 except code M005 (4MATIC)	
			AR33.10-P-0100CW
13.2	Remove front axle carrier (7)	Engine 276.9 in model 204, 207 with code M005 (4MATIC)	
			AR33.10-P-0001CW
14	Remove front axle transmission	Engine 276.9 in model 204, 207 with transmission 722.96 with code M005 (4MATIC)	AR33.30-P-0525CWX
15	Raise engine with engine hoist		AR33.10-P-0105CW
		 Make sure when lifting out engine that no cables and lines are damaged and that engine does not hit against partition wall.	
16	Detach clamps and bracket for transmission fluid lines (9L, 9R) from oil pan (2) and transmission (11) and set aside	MODEL 204 except CODE M005 (4MATIC) MODEL 204, 207 with code M005 (4MATIC) MODEL 207 except CODE M005 (4MATIC)	AR27.55-P-0600CV AR27.55-P-0600CWX AR27.55-P-0600EV
		 Do not kink or bend the transmission fluid lines (9L, 9R). This avoids leaks and damage occurring.	
		 Seal openings using  stop plugs.	
		 Record plug	*129589009100
17	Detach pressure line D1 (10) for P/S from bracket on alternator (G2) or oil pan (2)	 Nut, high-pressure line to alternator bracket	*BA46.30-P-1009-01R
18	Remove oil pan bottom section (1) Notes on sealant path for oil pan		AR01.45-P-7500-04MM AH01.45-P-0001-01MMA
		 Installation: Notes on sealant path for oil pan bottom section (1).	
		 Bolt, oil pan bottom section to oil pan	*BA01.45-P-1003-01E
		Sealant, Loctite 5970, 50 ml	*BR00.45-Z-1013-01A

19	Remove screw/bolts connecting transmission to oil pan	Vehicles with code M005 (4M ATIC) Vehicles without code M005 (4MATIC)	AR27.10-P-0500CWX AR27.10-P-0500CV
20	Remove screw/bolts (2a) from oil pan (2)	Installation: Pay attention to different lengths of screw/bolts. Screw/bolt, oil pan to crankcase/ timing case cover/rear end cover Bolt, oil pan to crankcase	*BA01.45-P-1001-01E *BA01.45-P-1002-01E
21	Loosen oil pan (2) from cylinder crankcase (4) and remove to rear Notes on sealant path for oil pan	Installation: Apply sealant to sealing surface of oil pan (2) and, in doing so, observe notes on sealant path on the oil pan (2). Sealant, Loctite 5970, 50 ml	AR01.45-P-7500-04MM AH01.45-P-0001-01MMA *BR00.45-Z-1013-01A
22	Remove oil level check switch	When replacing the oil pan (2)	AR18.40-P-5113FH
	Clean		
23	Clean sealing surfaces on oil pan (2) and cylinder crankcase (4)	 Do not use any sharp-edged tools or abrasive paper. The sealing surfaces can be damaged otherwise. Loctite 7200 Loctite 7063 cleaning spray (150 ml)	AR01.00-P-0050-01A *BR00.45-Z-1038-04A *BR00.45-Z-1046-04A
24	Install in the reverse order		
	Check		
25	Perform wheel alignment measurement	MODEL 204 MODEL 207	AR40.20-P-0200CW AR40.20-P-0200EW
26	Check engine oil level; correct if necessary		AP18.00-P-0101CWZ
27	Check transmission oil level and correct if necessary	Vehicles without code M005 (4MATIC) Vehicles with code M005 (4M ATIC)	AR27.00-P-0270W AR27.00-P-0270SYZ
Warning	Risk of accident from vehicle starting off by itself when engine running. Risk of injury (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
28	Carry out engine test run while checking the engine and transmission (11) for leaktightness and proper function		

Oil pan

Number	Designation	Engine 276
BA01.45-P-1001-01E	Screw/bolt, oil pan to crankcase/ timing case cover/rear end cover	M6 Nm 9

Oil pan

Number	Designation	Engine 276
BA01.45-P-1002-01E	Bolt, oil pan to crankcase	M8 Nm 20

Oil pan

Number	Designation	Engine 276
BA01.45-P-1003-01E	Bolt, oil pan bottom section to oil pan	Nm 14

Power steering pump

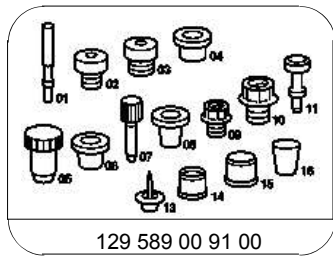
Number	Designation		Model 204 with engine 156, 271, 272, 274, 276, 642, 646	Model 207
BA46.30-P-1009-01R	Nut, high-pressure line to alternator bracket	Nm	8	8

Nm Frame floor assembly

Number	Designation		Model 204	Model 207.3
BA61.10-P-1004-01H	Bolt, diagonal strut mount to front axle carrier/longitudinal member	Nm	50	50

Nm Frame floor assembly

Number	Designation		Model 207.4
BA61.10-P-1004-01H	Bolt, diagonal strut mount to front axle carrier/longitudinal member	Nm	80



Record plug

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 http://www.loctite.de
BR00.45-Z-1046-04A	Loctite 7063 cleaning spray (150 ml)	A 001 986 71 71 10