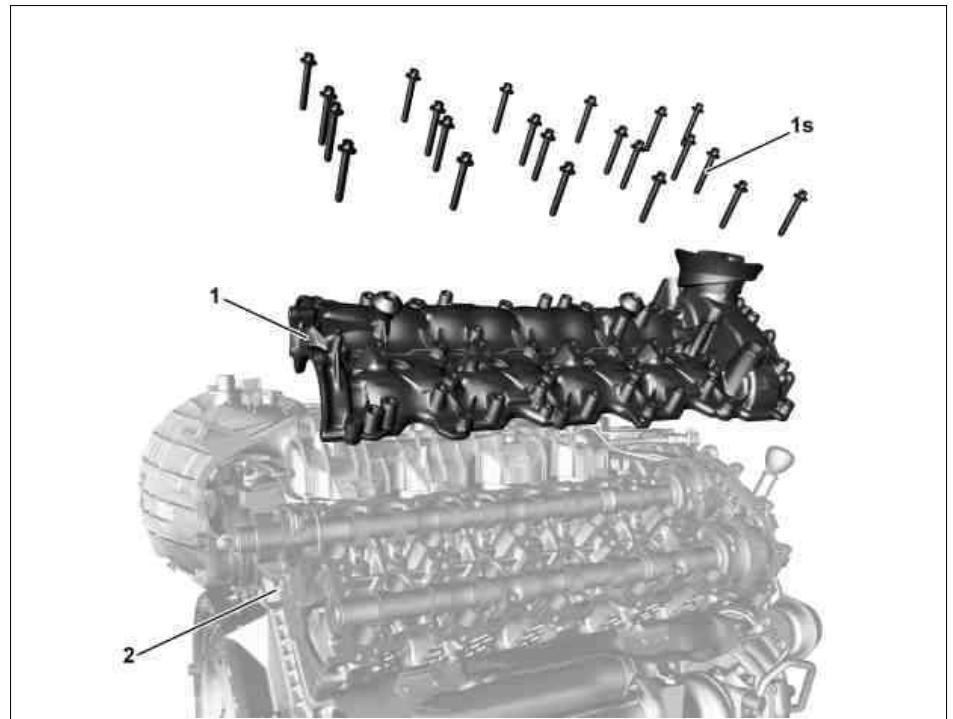


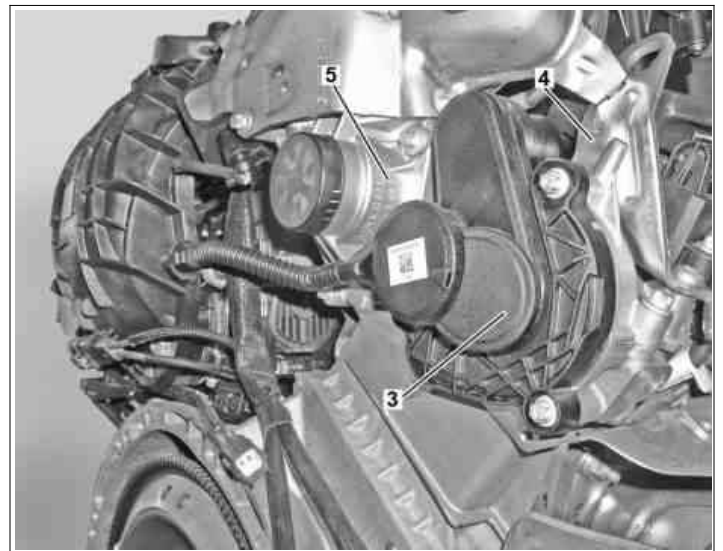
Engine 157, 278 in model 166
 Engine 157, 278 in model 292

1 Cylinder head cover
 1s Bolts
 2 Cylinder head












P01.20-2254-06

3 Centrifuge
 4 Lifting eye
 5 Housing



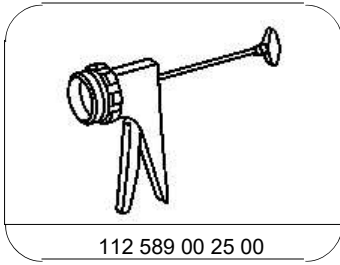
P01.20-2258-11

	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
	Notes on threaded connections with aluminum screws/bolts		AH00.00-P-0006-01RM
	Remove/install		
1	Remove rail		AR07.03-P-1010MLJ
2	Remove ignition coils		AR15.12-P-2003MLJ
3	Detach engine wiring harness on cylinder head cover (1)		AR01.00-P-2410-02MLJ

4	Detach oil line for ATL on cylinder head cover (1) and place to one side		AR18.30-P-6850MLJ
5	Remove front cover at cylinder head (2).	 Installation: Replace screw/bolts (1s) with new ones.	AR01.30-P-5712MLJ
6	Remove centrifuge(3)		AR01.20-P-2100MLJ
7	Remove lifting eye (4) on cylinder head cover (1)		
8	Remove housing (5) for high-pressure pumps		AR07.02-P-1020MLJ
9	Loosen screw/bolts (1s) for cylinder head cover (1) in the reverse order of the tightening procedure and remove them	Bolt tightening procedure for cylinder head cover  Screw/bolt, cylinder head cover to cylinder head	AR01.20-P-5014-03MMB *BA01.20-P-1004-01L
10	Carefully pry off cylinder head cover (1) from cylinder head (2) Notes on sealant path for cylinder head cover	 Do not hammer in a tool to pry off between cylinder head cover (1) and cylinder head (2). The sealing surfaces can get damaged otherwise.  Installation: Apply sealant to cylinder head cover (1). Sealant, Loctite 5970, 50 ml  Application gun	AH01.30-P-1000-08MM *BR00.45-Z-1013-01A *112589002500
	Check		
11	Check camshaft mounts in the right cylinder head cover (1) for galling and score marks	For damage ↓ Replace right cylinder head cover (1)	
12	Check camshafts for galling and score marks	For damage ↓ Replace camshafts	
	Clean		
13	Clean sealing surfaces at cylinder head (2) and cylinder head cover (1)	 Do not use any sharp-edged tools or abrasive paper. The sealing surfaces can get 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
14	Install in the reverse order		
 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
15	Carry out engine test run and check engine for leaktightness while it is running		

 Crankcase ventilation, cylinder head cover

Number	Designation		Engine 157	Engine 278
BA01.20-P-1004-01L	Screw/bolt, cylinder head cover to cylinder head	Stage 1	Nm	12
		Stage 2	°	90



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