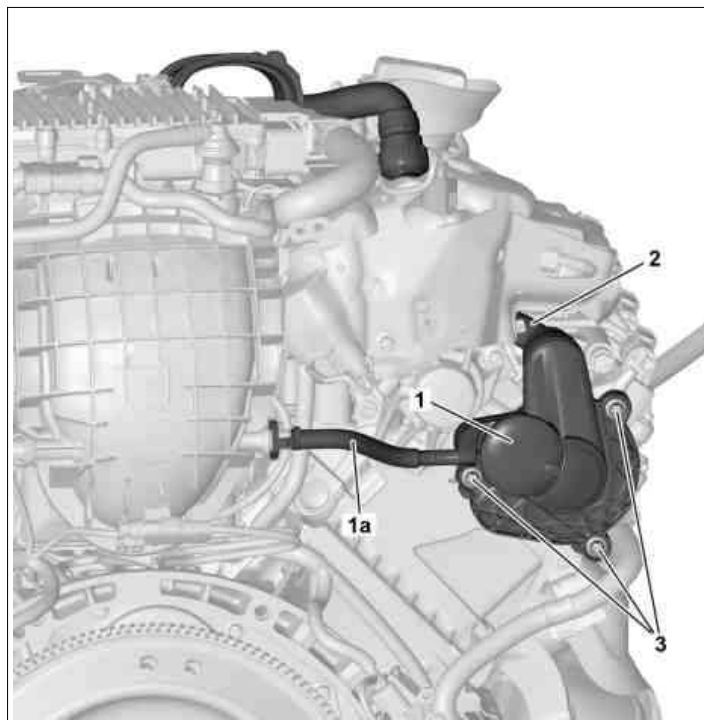


ENGINES 157, 278 in MODEL 212, 218

ENGINES 278 in MODEL 207

- 1 Centrifuge cover  
 1a Vacuum line  
 2 Crankcase ventilation pipe  
 3 Screw



P01.20-2250-12

☒ ☒	Remove/install		
	<b>Risk of injury</b> caused by <b>fingers being pinched or crushed</b> when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
1	Remove upper engine cover		
2	Remove right air filter housing		
3	Remove insulation on right rail		
4	Detach starter wiring harness from crash plate and remove crash plate	See "Remove high-pressure pump".	AR07.02-P-1020ELB
5	Unclip vacuum line and starter wiring harness from bulkhead and set aside		
6	Remove insulation from high-pressure pumps	See "Remove high-pressure pump".	AR07.02-P-1020ELB
7	Detach crankcase ventilation pipe (2) on cylinder head cover	<b>i</b> Just the two bolts need removing on the cylinder head covers. The connection to the charge air duct and charge air cooler does not need to be released.	
8	Raise vehicle		
9	Remove rear and center section of lower engine compartment paneling		AR61.20-P-1105EW
10	Remove right catalytic converter	Model 207 Model 212, 218	AR49.10-P-7100CW AR49.10-P-7100EL
11	Detach vacuum line (1) on intake manifold		
12	Remove bolts (3) on centrifuge cover (1) from below	Nm	*BA01.20-P-1001-01L
13	Remove centrifuge cover (1) from below		
14	Remove bolt for centrifuge at the camshaft	Nm	*BA01.20-P-1002-01L
15	Remove centrifuge from camshaft	<b>i</b> <b>Installation:</b> The dowel pins determine the installation position of the centrifuge at the camshaft.	
<b>◀</b>	<b>Checking</b>		
16	Check seal and radial shaft sealing ring for wear and damage; replace centrifuge cover (1) if necessary		

17	Check centrifuge for wear and damage; replace centrifuge if necessary		
18	Install in the reverse order		
19	Check engine oil level; correct if necessary		AP18.00-P-0101EW
20	<p><b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the engine as it is running</p> <p>Conduct engine test run and check engine for leaks while it is running</p>	<p>Secure vehicle to prevent it from moving by itself.</p> <p>Wear closed and snug-fitting work clothes.</p> <p>Do not touch hot or rotating parts.</p>	AS00.00-Z-0005-01A

**Nm Crankcase ventilation, cylinder head cover**

Number	Designation			Engine 157	Engine 278
BA01.20-P-1001-01L	Bolt, centrifuge cover to cylinder head/cylinder head cover	Stage 1	Nm	6	6
		Stage 2	∟°	90	90
BA01.20-P-1002-01L	Bolt, centrifuge to camshaft sprocket	Stage 1	Nm	6	6
		Stage 2	∟°	90	90