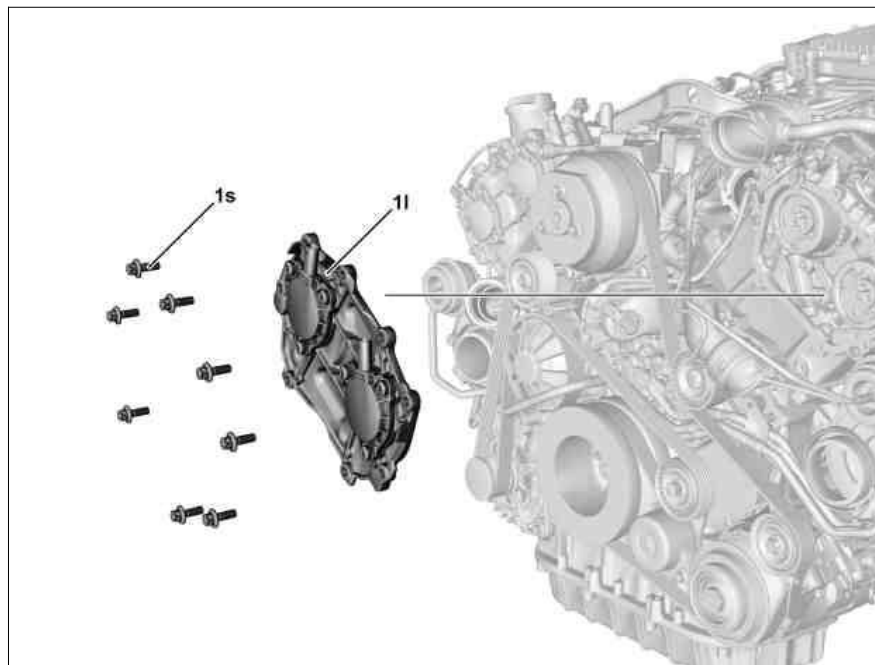


Engine 157, 278 in model 212, 218  
On the left cylinder head

Engine 278 in model 207  
On the left cylinder head

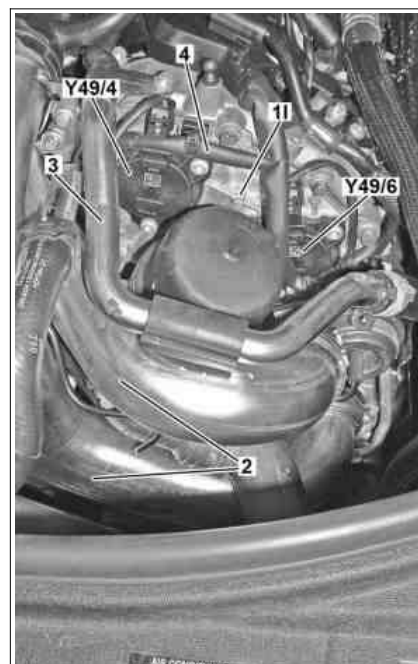
1l Front cover  
1s Bolts



P01.20-2255-06










Shown on model 218.373 without code (139) Measures for engine cooling M157/M278

1l Front cover  
2 Charge air ducts  
3 Return flow pipe  
4 Electrical line  
Y49/4 Left intake camshaft solenoid  
Y49/6 Left exhaust camshaft solenoid



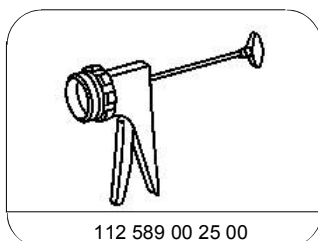
P01.30-2375-03

	Remove/install		
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 Warning	<b>Risk of injury</b> 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 threaded connections with aluminum screws/bolts		AH00.00-P-0006-01RM
1	Remove engine covers		
2	Remove left charge air ducts (2)		AR09.41-P-8620ELB
3	Remove oil filter housing	Vehicles with code (139) Measures for engine cooling M157/M278	AR18.20-P-3471ELB
4	Disconnect electrical connections on left intake camshaft solenoid (Y49/4), left exhaust camshaft solenoid (Y49/6) and on two-disk thermostat heating element		
5	Unclip electrical line (4) on front cover (1I)		
6	Remove screw/bolts (1s) on front cover (1)	 <b>Installation:</b> Replace screw/bolts (1s) with new ones.  Bolt, front cover to cylinder head/cylinder head cover	*BA01.30-P-1003-01X
7	Carefully unfasten front cover (1I) at prying lugs and detach to the front Notes on sealant path for front cover to cylinder head xxx	 <b>Installation:</b> Apply sealant to front cover (1): ↓ Sealant, Loctite 5970, 50 ml  Application gun	AH01.30-P-1000-02MM  *BR00.45-Z-1013-01A *112589002500
	<b>Clean</b>		
8	Clean sealing surfaces on cylinder head, on cylinder head cover and on front cover (1I)	 Do not use any sharp-edged tools or abrasive paper. The sealing surfaces will 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
9	Detach left intake camshaft solenoid (Y49/4) and left exhaust camshaft solenoid (Y49/6) from front cover (1I)	When replacing the front cover (1)	AR05.20-P-7295ELB
10	Install in the reverse order		
	<b>Check</b>		
 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
11	Carry out engine test run while checking engine for proper operation and oil leaks		

#### Cylinder head

Number	Designation	Engine 157	Engine 278
BA01.30-P-1003-01X	Bolt, front cover to cylinder head/cylinder head cover Nm	5	5



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