

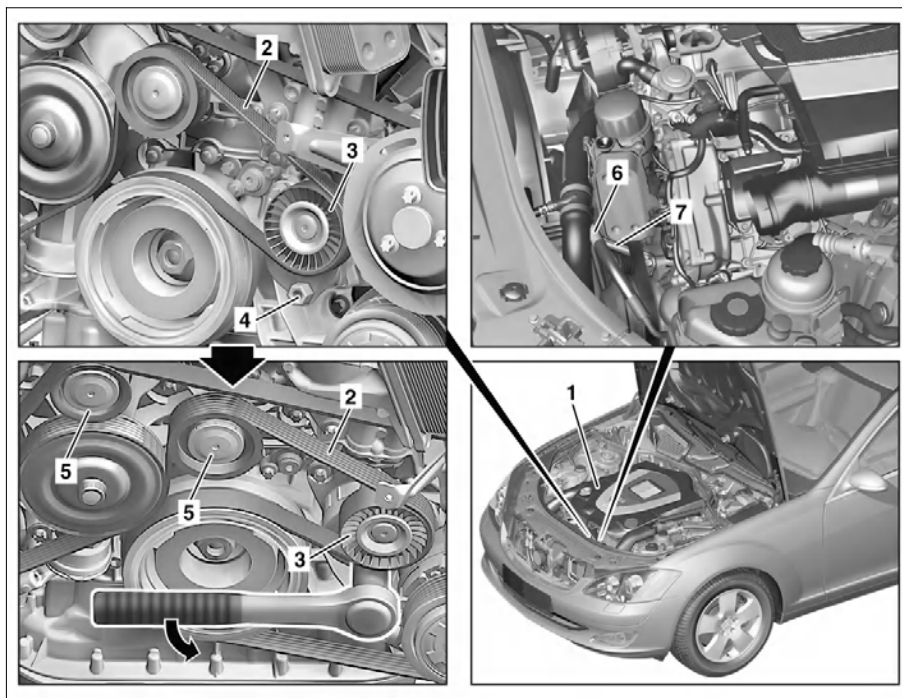
ENGINES 272 in MODEL 221

Vehicles with single-belt pulley

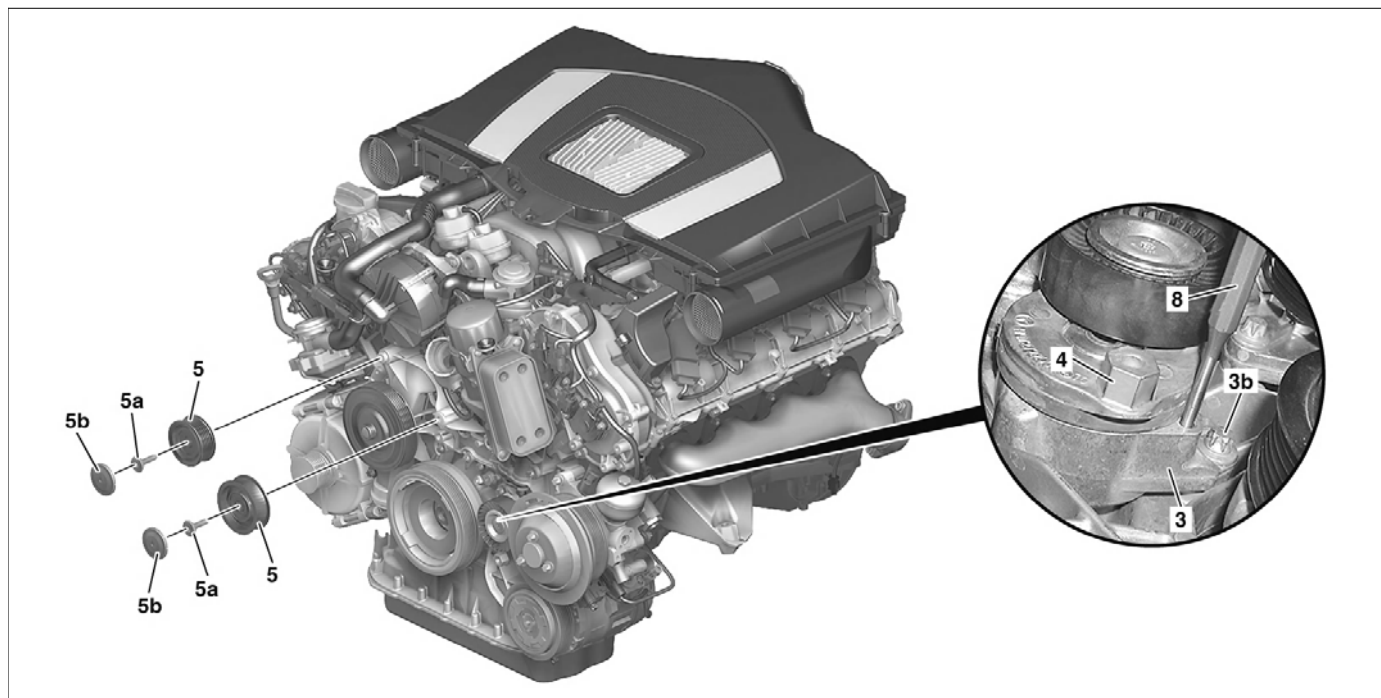
ENGINES 273 in MODEL 216, 221

Shown on engine 273.922

- 1 Front engine cover
- 2 Poly-V belt
- 3 Tensioning device
- 4 Hexagon
- 5 Guide pulleys
- 6 ABC pressure line
- 7 Bracket



P13.22-2116-06



P13.20-2054-09

Shown on engine 273.922

- 3 Tensioning device
- 3b Screw/bolts
- 4 Hexagon
- 5 Guide pulleys
- 5a Screw/bolts
- 5b Covers
- 8 Drift

Modification notes

27.2.12	Reference to the altered version of the poly-V belt, added	BT13.20-P-1000-01SXH
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⚠	Removing		
	Risk of injury caused by moving parts that can pinch, crush or, in extreme cases, even sever extremities	No parts of the body or limbs should be within the operating range of the mechanism when moving components.	AS00.00-Z-0009-01A

BT	Version of the poly-V belt altered	Model 221.095 / 195	BT13.20-P-1000-01SXH
1	Pull out front engine cover (1) from mounts		
2	Detach pressure line (6) from bracket (7)	Vehicles with Active Body Control (Code 487) only.	
3	Loosen poly-V belt (2) and remove	To do this swivel clamping device (3) on hexagon (4) counterclockwise (arrow), remove poly-V-belt (2) and slacken clamping device (3).	
	Checking		
4	Inspect belt pulley sections, tensioning device (3) and guide pulleys (5)	Check for damage, wear and dirt; replace if necessary.	
5	Check poly-V belt (2) and replace if required Check visible area of poly-V belt for wear		AP13.22-P-1352SX
	Remove/install clamping device (3)	Only perform Operation steps 6 through 9 for remove/install of clamping device (3).	
6	Lock tensioning device (3)	Swivel clamping device (3) at hexagon (4) in an anti-clockwise direction and lock in place using drift (8).	
7	Remove screw/bolts (3b) and remove clamping device (3)		*BA13.25-P-1001-01P
8	Slacken tensioning device (3)	When replacing the clamping device (3) Clamp tensioning device (3) in a vise, swivel at hexagon (4) in an anti-clockwise direction, pull out drift (8) and slacken tensioning device (3). Installation: The tensioning device (3) can only be installed when locked.	
9	Install in the reverse order		
	Remove/install guide pulleys (5)	Only perform Operation steps 10 through 12 for remove/install of guide pulleys (5).	
10	Pry off covers (5b)		
11	Remove screw/bolts (5a) and remove guide pulleys (5)		*BA20.10-P-1004-01U
12	Install in the reverse order		
	Install		
13	Fit on and tension (2) as per routing diagram	To do this swivel clamping device (3) on hexagon (4) counterclockwise (arrow), fit on poly-V-belt (2) and slacken clamping device (3). Do not use belt wax or any similar products. These lead to slipping of the poly-V belt (2).	AR13.22-P-3902-02SX
14	Install pressure line (6) to bracket (7)	Vehicles with Active Body Control (Code 487) only.	
15	Install front engine cover (1)		

Belt tensioning device

Number	Designation		Engine 272	Engine 273
BA13.25-P-1001-01P	Screw/bolt, poly-V belt tensioning device to timing case cover	Nm	35	35

Coolant pump, coolant thermostat

Number	Designation		Engine 272	Engine 273	
BA20.10-P-1004-01U	Screw/bolt, guide pulley between water pump and belt tensioner	Initial installation	Nm	35	35
		Follow-up operations	Nm	25	25