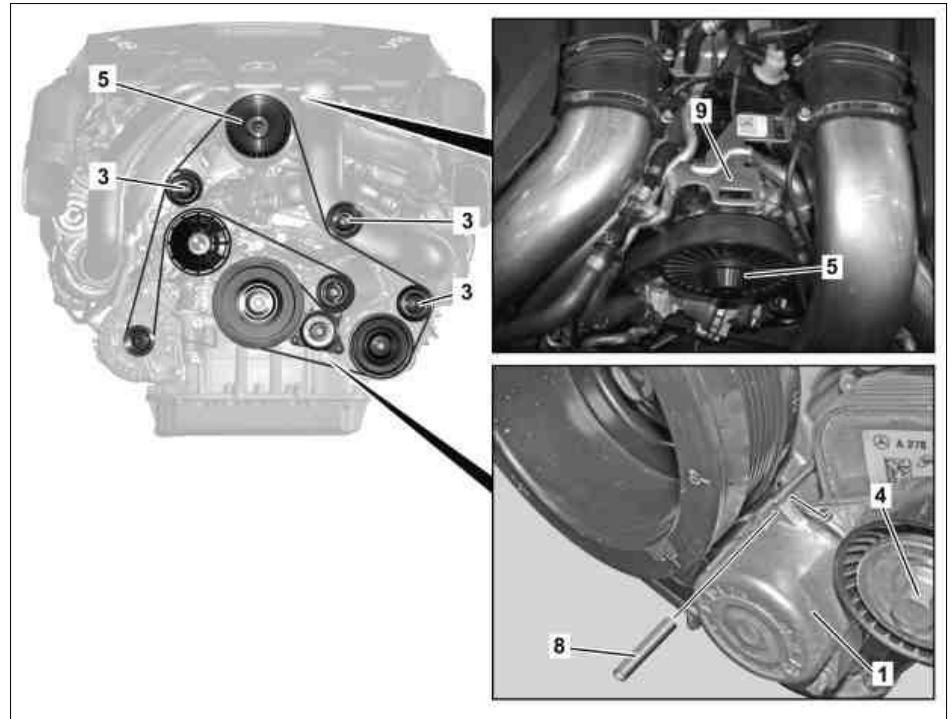


ENGINE 157, 278 in MODEL 212, 218

ENGINE 278 in MODEL 207

- 1 Tensioning device
 3 Guide pulley
 4 Hexagon
 5 Upper guide pulley
 8 Drift
 9 Bracket



P13.20-2090-06

	Remove/install		
Danger !	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
1	Remove engine covers		
2	Slacken poly-V belt and remove	<p> Installation: Do not use belt wax or similar products. This leads to slipping of the poly-V belt.</p> <p> To do so, swivel clamping device (1) at hexagon (4) counterclockwise, remove poly-V belt and detension clamping device (1).</p> <p> Installation: Observe poly-V belt routing diagram.</p>	AR13.22-P-3902-02MM
	Check		
3	Check belt pulley profile, tensioning device (1) and guide pulleys (3)	Check for damage, wear and dirt; replace if necessary.	
4 	Check poly-V belt	Check for damage, wear and dirt; replace if necessary.	AP13.22-P-1352EW
	Only perform operation steps 5 through 9 for remove/install of clamping device (1).		
5	Remove front section of lower engine compartment paneling		AR61.20-P-1105EW
6	Lock clamping device (1)	Swivel clamping device (1) at hexagon (4) counterclockwise and lock in place using drift (8).	
7	Remove screw/bolts on clamping device (1)	Bolt, poly-V belt tensioning device to timing case cover	*BA13.25-P-1001-01Y
8	Remove clamping device (1) downwards		

9	Slacken clamping device (1)	When replacing the clamping device (1) i Clamp tensioning device (1) in a vise, swivel at hexagon (4) in an anti-clockwise direction, pull out drift (8) and slacken tensioning device (1). i Installation: The clamping device (1) can be mounted in both a locked and an unlocked condition.	
Only perform operation steps 10 through 12 for remove/install of guide pulleys (3)			
10	Remove left charge air ducts	When removing the guide pulleys (3) on the left engine side	AR09.41-P-8620ELB
11	Remove screw/bolts for guide pulleys (3)	Nm Bolt, guide pulley to carrier Nm Bolt, guide pulley to coolant pump/oil filter/timing case cover	*BA13.25-P-1002-01Y *BA13.25-P-1005-01Y
12	Remove guide pulleys (3)		
Only perform operation steps 13 through 15 for remove/install of upper guide pulley (5).			
13	Detach bracket (9) from coolant lines and from carrier for the upper guide pulley (5)	Vehicles with code (139) Measures for engine cooling M157/M278	
14	Remove screw/bolts for upper guide pulley carrier (5)	Nm Bolt, guide pulley carrier/ABC pump to timing case cover/coolant pump	*BA13.25-P-1003-01Y
15	Detach upper guide pulley (5) and carrier from timing case cover	Nm Bolt, guide pulley to coolant pump/oil filter/timing case cover	*BA13.25-P-1005-01Y
16	Install in the reverse order		

Nm Belt tensioning device

Number	Designation		ENGINE 157	ENGINE 278
BA13.25-P-1002-01Y	Bolt, guide pulley to carrier	Nm	70	70

Nm Belt tensioning device

Number	Designation		ENGINE 157	ENGINE 278
BA13.25-P-1005-01Y	Bolt, guide pulley to coolant pump/oil filter/timing case cover	M8 Nm	35	35
		M10 Nm	35	35

Nm Belt tensioning device

Number	Designation		ENGINE 157	ENGINE 278
BA13.25-P-1001-01Y	Bolt, poly-V belt tensioning device to timing case cover	Nm	20	20

Nm Belt tensioning device

Number	Designation		ENGINE 157	ENGINE 278
BA13.25-P-1003-01Y	Bolt, guide pulley carrier/ABC pump to timing case cover/coolant pump	Nm	20	20