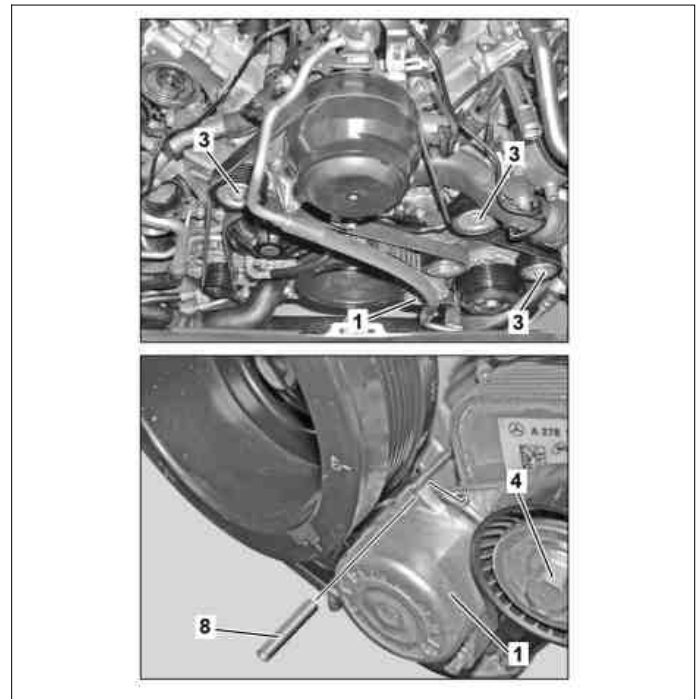


ENGINE 157, 278 in MODEL 231

Shown with code (487) Active Body Control (ABC)

- 1 Tensioning device
 3 Guide pulley
 4 Hexagon
 8 Drift



P13.22-2160-12

	Remove/install		
Danger !	Risk of injury . Moving parts can pinch, crush or, in extreme cases even sever extremities.	No parts of the body or limbs should be within the operating area of the mechanism when the components are moving.	AS00.00-Z-0009-01A
1	Remove engine covers		
2	Slacken poly-V belt and remove	<p> Installation: Do not use belt wax or similar products. This would otherwise 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 plan.</p>	AR13.22-P-3902-02MM
	Check		
3	Inspect belt pulley sections, tensioning device (1) and guide pulleys (3)	Check for damage, wear and dirt; replace if necessary.	
4 	Check poly-V belt Check visible area of poly-V belt for wear	Check for damage, wear and dirt; replace if necessary.	AP13.22-P-1352EW
	Only perform steps 5 through 9 for remove/install of clamping device (1).		
5	Remove front section of lower engine compartment paneling		AR61.20-P-1105RK
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) To do this clamp tensioning device (1) in a vise, swivel at hexagon (4) in a 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 steps 10 through 12 for remove/install of the guide pulleys (3) on the left engine side.		
10	Remove left charge air ducts	i When removing the guide pulleys (3) on the left engine side	AR09.41-P-8620RKB
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 carry out steps 13 and 14 when removing/installing the upper guide pulley (3)		
13	Remove screw/bolt, carrier to upper guide pulley (3)	Nm Bolt, guide pulley carrier/ABC pump to timing case cover/coolant pump	BA13.25-P-1003-01Y
14	Remove upper guide pulley (3) and carrier from timing case cover		
15	Install in the reverse order		

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-1002-01Y	Bolt, guide pulley to carrier		Nm	70	70

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