

ENGINES 271.940 in MODEL 203.042 /242 /742, 209.342 /442

ENGINES 271.941 in MODELS 211.042 /242

ENGINES 271.946 in MODEL 203.046 /246 /746

ENGINES 271.948 in MODEL 203.040 /240 /740

ENGINES 271.921 in MODEL 203.730


ENGINES 271.942 in MODEL 203.043 /243 /743, 209.343

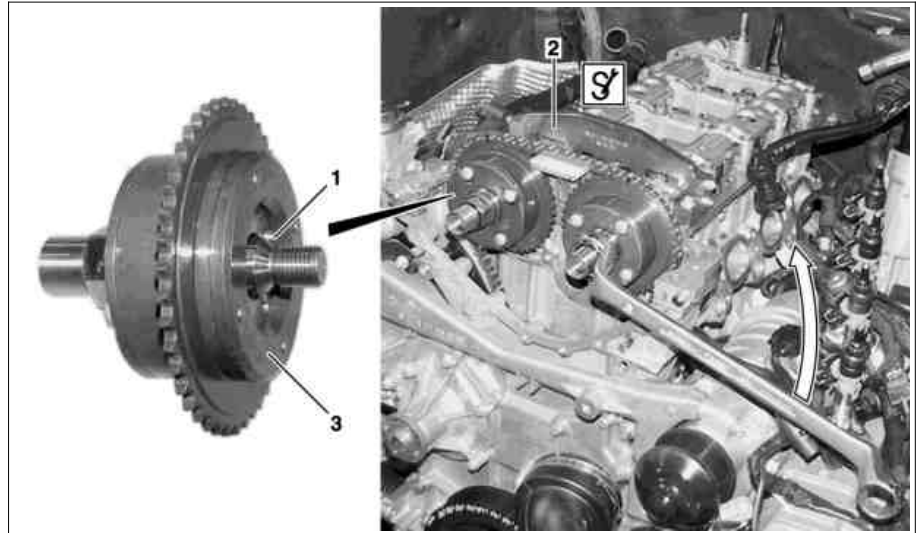
ENGINES 271.955 in MODEL 209.341 /441

ENGINES 271.956 in MODEL 211.041 /241

ENGINES 271.957 in MODEL 203.741

Shown on engine 271.940













- 1 Positioning pin
 2  Retaining device
 3 Camshaft adjuster




P05.20-2126-05

Modification notes

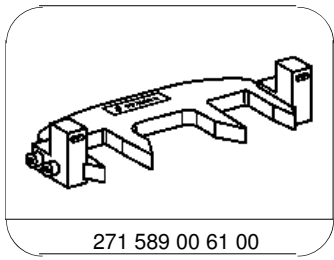
16.4.03	Change in the repair method, to release the timing chain, the chain tensioner is no longer removed, instead the slide rail in the cylinder head is pushed back	Step 5	
---------	--	--------	--

	Remove/install		
1	Open engine hood	Model 203 Model 209 Model 211	AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T
2	Remove cylinder head cover	Model 203, 209 Model 211	AR01.20-P-5014QK AR01.20-P-5014TK
3	Remove front cover at cylinder head		AR01.30-P-5700QK
4	Rotate the engine at the crankshaft in the direction of rotation.	 until the piston of cylinder 1 is at TDC marking $\pm 2^\circ$ crankshaft angle.  The TDC marking on the belt pulley/ vibration damper must be aligned with the positioning edge on the timing case cover.  The cams of the inlet camshaft and the exhaust camshaft at cylinder 1 must be positioned up at an angle: See "Check basic position of camshafts".	AR05.20-P-6010QK
5	 Mount retainer (2)	  Install retainer (2) above recesses on top camshaft case. 	*271589006100
6	Release timing chain		AR05.10-P-7605-01TK *271589003100
7	Remove the center bolt and remove the camshaft adjusters (3) from the respective camshaft	 At the same time unhook timing chain and secure against falling down. The intake and the exhaust camshaft is slackened in the same direction (arrow).  Installation: Camshaft adjusters (3) do not require any particular adjustment as they feature a positioning pin (1). To avoid confusion, the camshaft adjusters (3) are marked with "A" for exhaust camshaft and with "E" for intake camshaft. 	*BA05.20-P-1002-02A

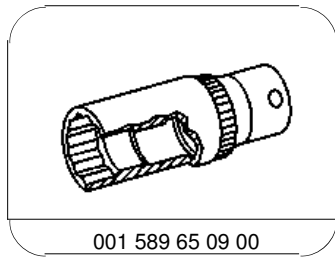
			*001589650900
8	Install in the reverse order		

Nm Camshaft, camshaft adjustment

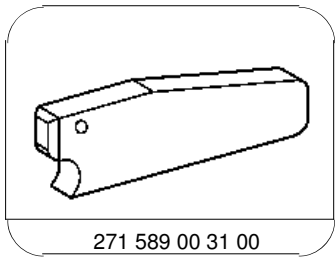
Number	Designation		Engine 271.9
BA05.20-P-1002-02A	Center bolt, camshaft adjuster to camshaft	Stage 1	Nm 90
		Stage 2	4° -



Holding device



Wrench socket



Wedge