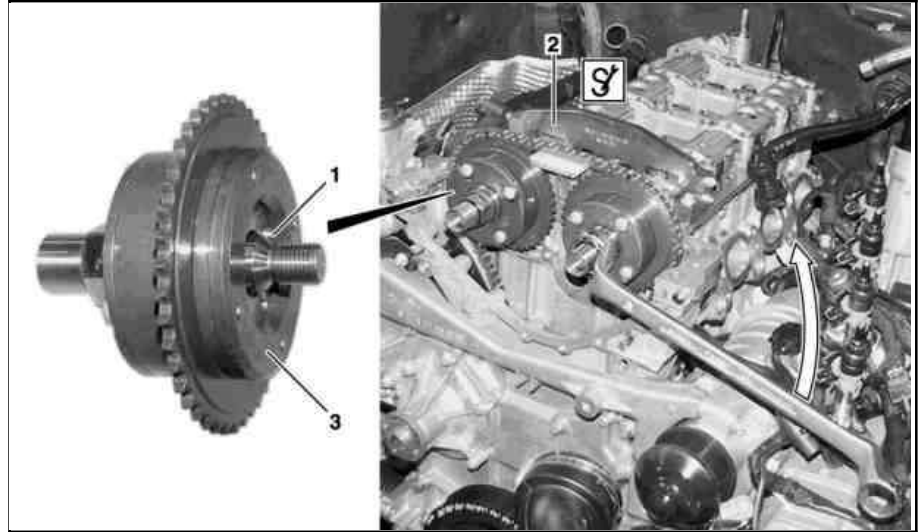


ENGINE 271.940 in MODELS 203.042 /242 /742, 209.342 /442
 ENGINE 271.941 in MODELS 211.042 /242
 ENGINE 271.946 in MODELS 203.046 /246 /746
 ENGINE 271.948 in MODELS 203.040 /240 /740
 ENGINE 271.921 in MODEL 203.730
 ENGINE 271.942 in MODELS 203.043 /243 /743, 209.343
 ENGINE 271.955 in MODELS 209.341 /441
 ENGINE 271.956 in MODELS 211.041 /241

Shown on engine 271.940

- 1 **Positioning pin**
- 2 **Retaining device**
- 3 **Camshaft adjuster**



P05.20-2126-05

Modification notes

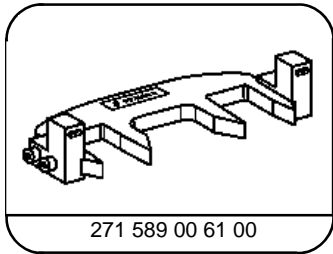
16.4.03	Change in the repair method, to release the timing chain, the chain tensioner is no longer removed, instead the slide rail in the cylinder head is pushed back	Step 5	
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		Remove/install	
1		Open engine hood	Model 203 Model 209 Model 211 AR88.40-P-1000P 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.	i Until the piston of cylinder 1 is at TDC marking $\pm 2^\circ$ crankshaft angle. i The TDC marking on the belt pulley/ vibration damper must be aligned with the positioning edge on the timing case cover. i The cams of the inlet camshaft and the exhaust camshaft at cylinder 1 must be positioned up at an angle. See "Inspect basic position of camshafts". AR05.20-P-6010QK
5		Mount retainer (2)	i Install retainer (2) above recesses on top camshaft case. *271589006100
6		Release timing chain	AR05.10-P-7605-01TK
7		Unscrew center bolt and remove camshaft adjusters (3) from respective camshaft	i At the same time unhinge timing chain and secure against falling down. The intake and the exhaust camshaft is slackened in the same direction (arrow). i Installation: The 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

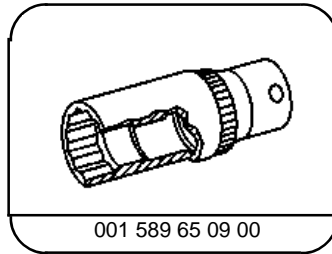
8	Install in the reverse order		
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Nm Camshaft, camshaft adjustment

Number	Designation	Engine 271	
BA05.20-P-1002-02A	Center screw for camshaft adjuster at camshaft	Stage 1	Nm 90
		Stage 2	∠° -



Retainer



Wrench socket