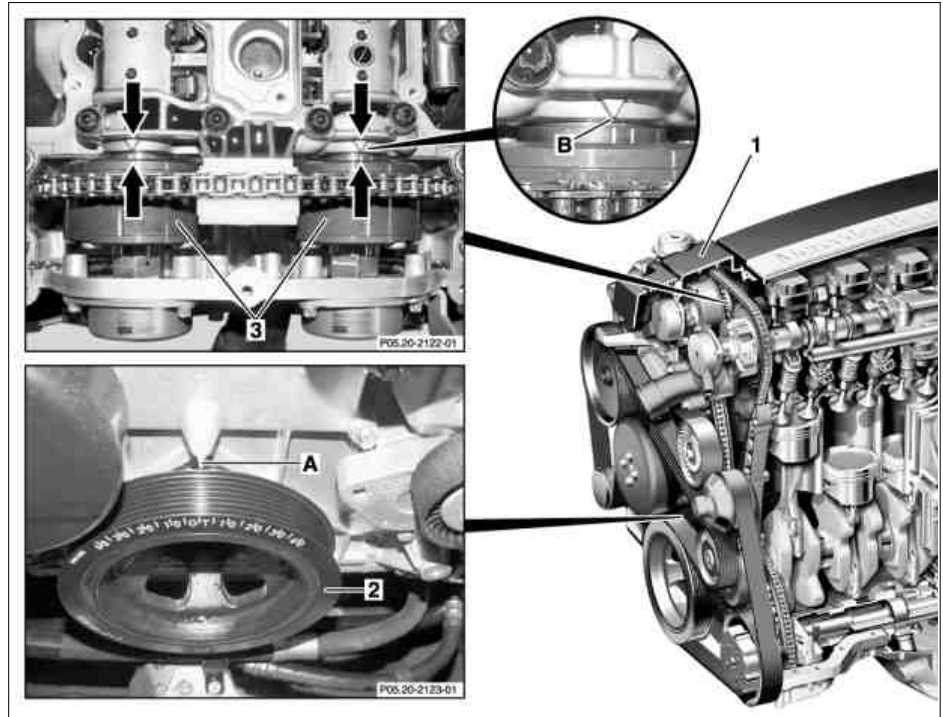


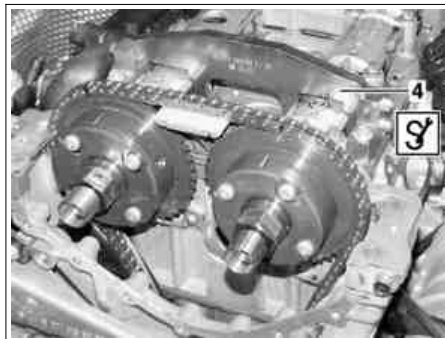
ENGINE 271.940 in MODEL 203.042 /242 /742, 209.342 /442  
 ENGINE 271.941 in MODEL 211.042 /242  
 ENGINE 271.946 in MODEL 203.046 /246 /746  
 ENGINE 271.948 in MODEL 203.040 /240 /740  
 ENGINE 271.942 in MODEL 203.043 /243 /743, 209.343  
 ENGINE 271.921 in MODEL 203.730  
 ENGINE 271.955 in MODEL 209.341 /441  
 ENGINE 271.956 in MODEL 211.041 /241  
 ENGINE 271.957 in MODEL 203.741

Shown on engine 271.940

- 1 Cylinder head cover  
 2 Belt pulley/vibration damper  
 3 Camshaft adjuster  
 A Guide edge on timing case cover  
 B Marking



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- 4  Retaining device












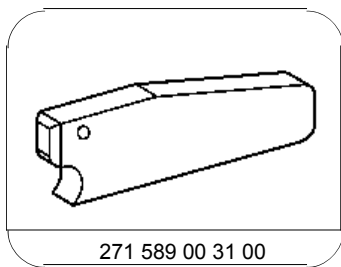
P05.20-2124-01

#### Modification notes

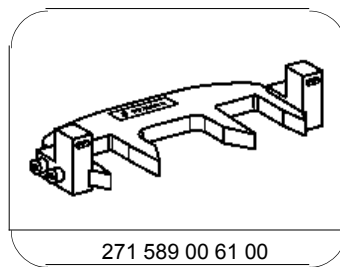
18.4.05	The timing chain must not be removed from the intake camshaft. The timing chain is slackened only	Step 5	
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	Removing		
1	Open engine hood	Model 203 Model 209 Model 211	AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T
2	Remove cylinder head cover (1)	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	Spin engine at the crankshaft in direction of rotation until the piston of cylinder 1 is positioned at TDC marking $\pm 2^\circ$	<p><b>i</b> The TDC marking on belt pulley/vibration damper (2) must be aligned with the positioning edge (A) on timing case cover.</p> <p><b>i</b> The cams of the inlet and exhaust camshaft at cylinder 1 must be positioned upright at an angle (arrows, picture 2).</p>	
5	Release timing chain		AR05.10-P-7605-01TK *271589003100
6	Remove camshaft adjuster (3)	<b>i</b> Secure against falling.	AR05.20-P-7201QK
7	 Mount retainer (4)	<p><b>i</b> At the same time the camshafts are attached in basic position.</p> <p></p>	*271589006100
	<b>Install</b>		
8	Install camshaft adjuster (3)	<p><b>i</b> The markings on camshaft adjusters (3) must be aligned with markings (B) at camshaft bearing housing (arrows, picture 1). The TDC marking on belt pulley/vibration damper (2) must be aligned with positioning edge (A) on timing case cover.</p> <p><b>i</b> The camshaft adjusters (3) require no particular adjustment, as they automatically take on a basic position to the camshafts when engine is vertical.</p>	AR05.20-P-7201QK
9	Clamp timing chain	<p><b>i</b> For this step  Take wedge out of timing case and slacken tensioning rail.</p> <p></p>	AR05.10-P-7605-01TK *271589003100
10	 Dismount retainer (4)		*271589006100
11	Rotate crankshaft by two revolutions in direction of rotation of engine and once again check basic position of camshafts	<b>i</b> The markings on the camshaft adjusters (3) must be aligned with the markings (B) at the camshaft bearing housing (arrows, picture 1). The TDC marking on belt pulley/vibration damper (2) must be aligned with positioning edge (A) on timing case cover.	
12	Install front cover at cylinder head		AR01.30-P-5700QK
13	Install cylinder head cover (1)	Models 203, 309 Model 211	AR01.20-P-5014QK AR01.20-P-5014TK
 <b>Danger!</b>	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the running engine	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	AS00.00-Z-0005-01A
14	Check for leaks with engine running		
15	Close engine hood	Model 203 Model 209 Model 211	AR88.40-P-1000P AR88.40-P-1000Q AR88.40-P-1000T



Wedge



Retainer