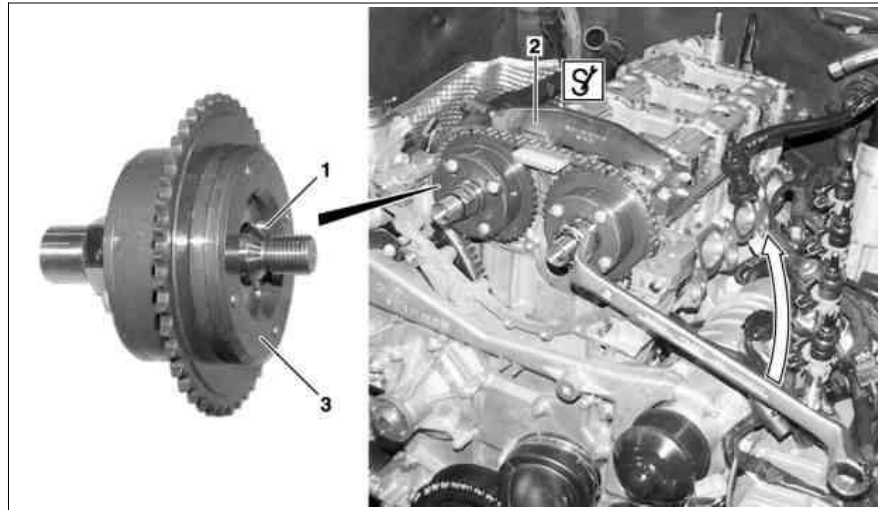


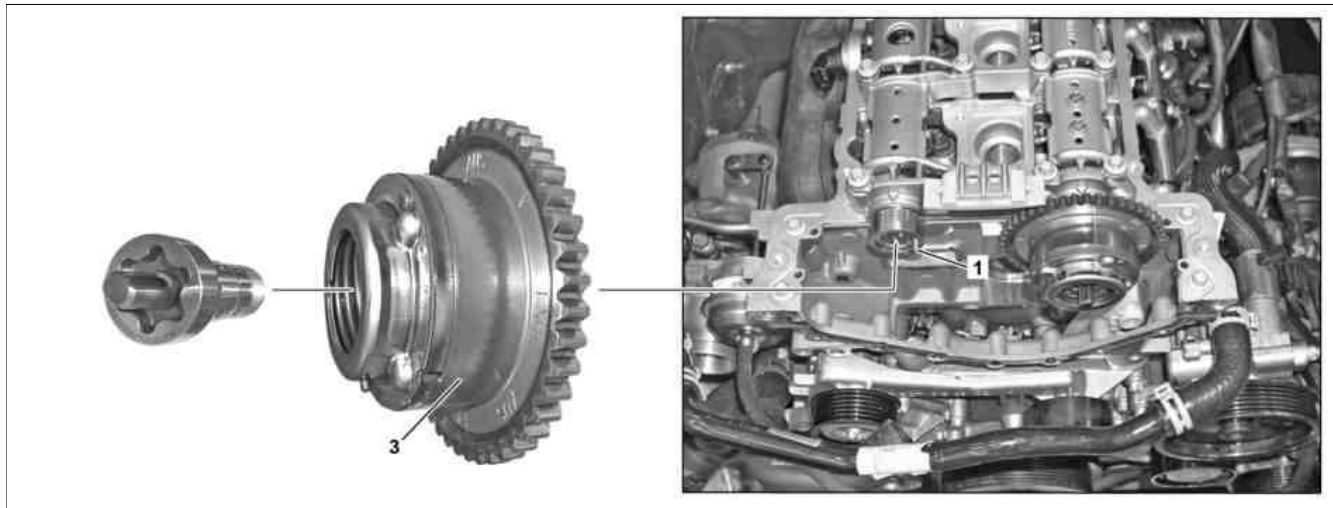
ENGINES 271 in MODEL 172, 204, 207, 212

Shown on engine 271.9

- 1 Positioning pin
2 Holding device
3 Camshaft adjuster



P05.20-2126-05











P05.20-2336-08

Shown on engine 271.8

1 Positioning pin

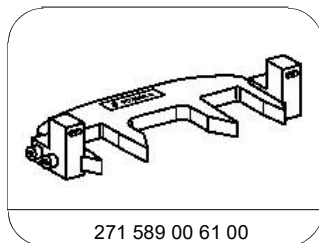
3 Camshaft adjuster

 	Remove/install		
1	Remove cylinder head cover		AR01.20-P-5014CW
2	Remove front cover from cylinder head		AR01.30-P-5700CW
3	Crank engine at center bolt for the crankshaft in direction of rotation until piston of cylinder 1 is positioned at ignition TDC	<p> The TDC marking on belt pulley/ vibration damper must be aligned with positioning edge on timing case cover. Cams for the intake and exhaust camshaft at cylinder 1 must be positioned upright at an angle.</p> <p> Installation: Inspect basic position of camshafts.</p> <p></p>	<p>AR05.20-P-6010CW</p> <p>*001589650900</p>
4	Mount retainer (2)	<p> Mount retainer (2) over cutouts in the camshaft housing-top section.</p> <p></p>	*271589006100
5.1	Release timing chain	<p>Engine 271.9</p> <p></p>	<p>AR05.10-P-7605-01TK</p> <p>*271589003100</p>
5.2	Remove chain tensioner	<p>Engine 271.8</p>	AR05.10-P-7800EVO

		i Installation: Install new chain tensioner.	
6	Remove center bolt and remove camshaft adjuster (3)	i At the same time unhinge timing chain and secure against falling down. The direction of loosening for center bolt on intake or exhaust camshaft is the same (see arrow).	
7		i 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. ⚙ Engine 271.8 Nm	*271589001000 *BA05.20-P-1002-02A
8	Install in the reverse order		

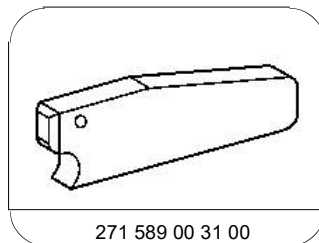
Nm Camshaft, camshaft adjustment

Number	Designation			Engine	Engine
				271.8	271.9
BA05.20-P-1002-02A	Center bolt, camshaft adjuster to camshaft	Stage 1	Nm	130	90
		Stage 2	Δ°	-	-



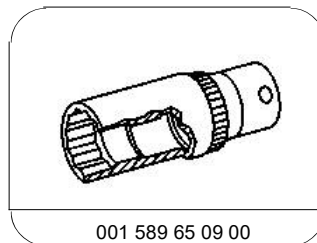
271 589 00 61 00

Holding device



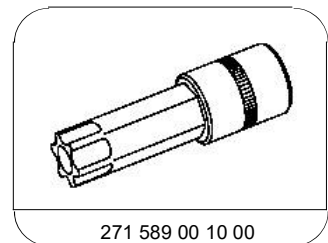
271 589 00 31 00

Wedge



001 589 65 09 00

Wrench socket



271 589 00 10 00

Wrench socket