

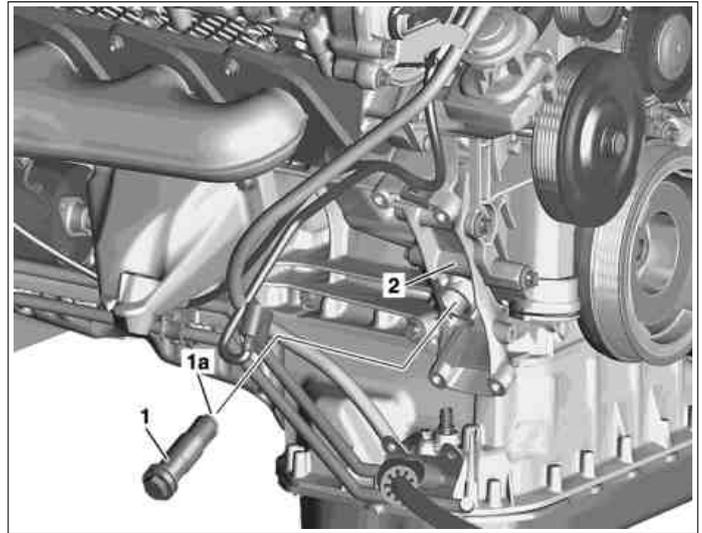
ENGINES 272 in MODEL 203, 209

M22x1.5

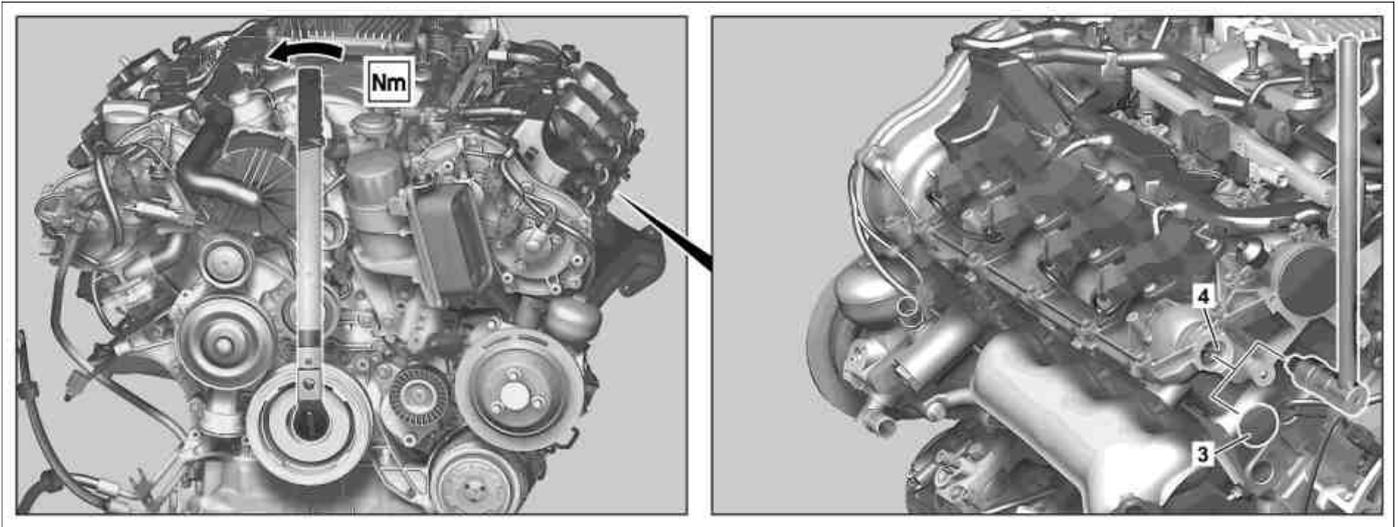
ENGINES 273 in MODEL 209

M22x1.5

- 1 Chain tensioner
 1a Pressure pin
 2 Timing case cover



P05.10-2353-11



P05.10-2354-08

3 Cap

4 Left exhaust camshaft

Modification notes

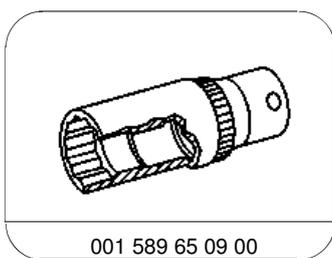
24.5.05	Torque to unlock chain tensioner		*BA05.10-P-1009-01B
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	Removing		
1	Disconnect ground line from battery	Model 203 Model 209	AR54.10-P-0003P AR54.10-P-0003Q
2	Remove fan shroud	Engine 273	AR20.40-P-5000QB
3	Rotate engine at crankshaft center bolt in direction of rotation of engine to a 40° crankshaft angle after ignition TDC		*001589650900
4.1	Remove alternator	Engine 272	AR15.40-P-5032QB
4.2	Loosen the alternator and place to one side with the lines connected	Engine 273	AR15.40-P-5032QB
5	Remove chain tensioner (1) from timing case cover (2)		
	Install		

6	Screw new chain tensioner (1) into timing case cover (2) and tightened to prescribed torque	i Replace chain tensioner (1). The previously installed chain tensioner must not be reinstalled since on removal of its pressure bolt (1a) it is pressed into the end position and the locking device of the pressure bolt prevents its return stroke. This would overstretch the timing chain on reinstalling. Nm	*BA05.10-P-1008-01B
7	Remove end cover (3)		
8	Turn engine at center bolt on the crankshaft with prescribed torque against direction of engine rotation (arrow) while counterholding left exhaust camshaft (4) at rear with a Torx wrench	i This unlocks the chain tensioner (1). Nm  	*BA05.10-P-1009-01B *000589014000 *272589001000
9	Rotate engine at the center bolt of the crankshaft in the direction of rotation of the engine through a 90° crank angle.	i The thrust pin (1a) for chain tensioner (1) will be pushed out and tensions the timing chain.	
10	Install end cover (3)		
11	Install alternator		AR15.40-P-5032QB
⚠ Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
12	Carry out an engine test run and check engine for leaks		

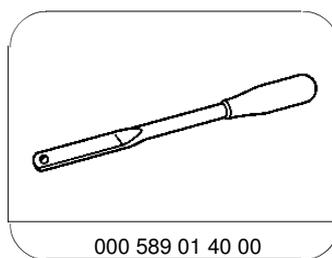
Nm Timing chain, chain tensioner

Number	Designation		Engine	
			272	273
BA05.10-P-1008-01B	Chain tensioner to timing case M22×1.5	Nm	70	70
BA05.10-P-1009-01B	Torque to unlock chain tensioner	Nm	70	70



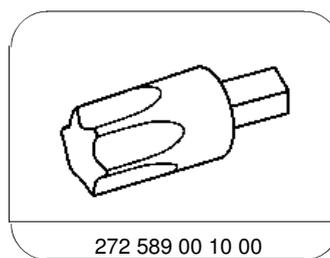
001 589 65 09 00

Wrench socket



000 589 01 40 00

Bracket



272 589 00 10 00

Torx screwdriver bit T60