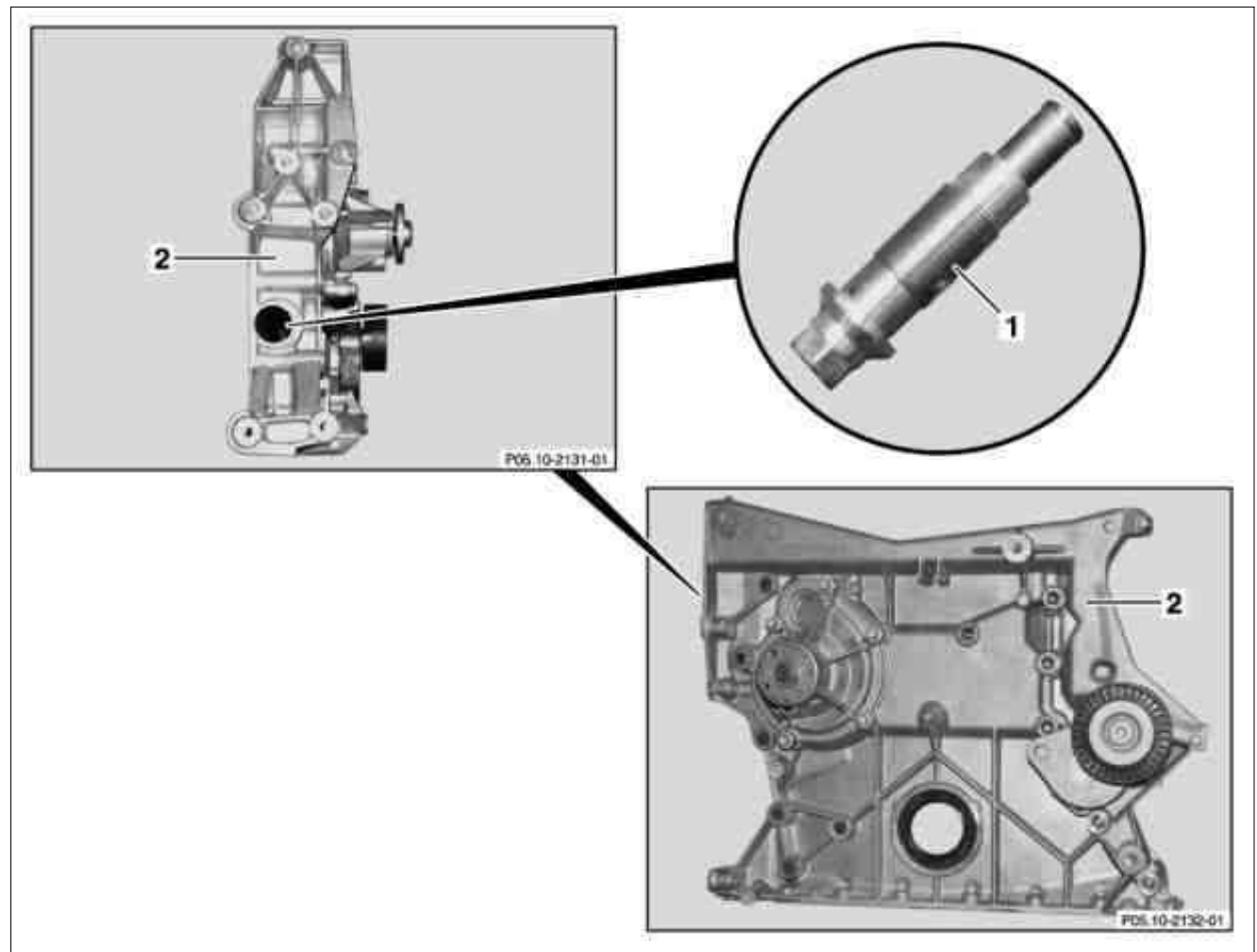


**Document title** Remove/install chain tensioner

**Document number** ar0510p7800evo

## ENGINES 271.8 in MODEL 172, 204, 207, 212

- 1 Chain tensioner  
2 Timing case cover

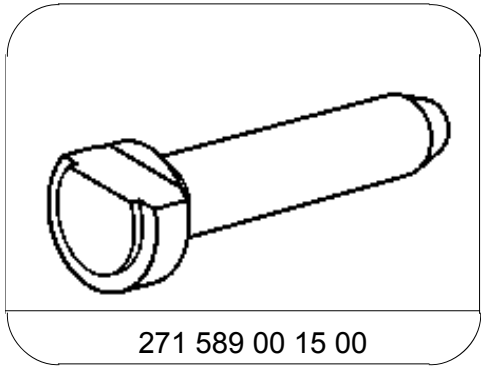


P05.10-2133-06

☒	<b>Removing</b>		
1	Remove alternator		AR15.40-P-5032CW
2	Puncture stop plug in the middle for chain tensioner (1) using a screwdriver and pry out		
3	Remove chain tensioner (1)	⚠ The engine must not be turned anymore for a removed chain tensioner (1) since otherwise the timing chain can skip and engine damage would occur. Nm	*BA05.10-P-1001-01F
4	Remove intake camshaft solenoid		AR05.20-P-7295CW
☒	<b>Install</b>		
5	Screw in chain tensioner (1)	<b>i</b> Replace chain tensioner (1). The previously installed chain tensioner (1) must not be reinstalled since, on removal of pressure bolt 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.	
6	Block intake camshaft	<b>i</b> Counterhold intake camshaft with socket insert at the center bolt on the camshaft adjuster. S	*271589001000
7	Rotate engine at the center bolt for the crankshaft, counter to the direction of rotation.	<b>i</b> Turn crankshaft at 45 Nm and a max. of a 15° crank angle until the clamping pin on the chain tensioner (1) is unlocked. S	*001589650900
8	Install intake camshaft solenoid		AR05.20-P-7295CW
9	Install stop plug for chain tensioner (1) with drift	S	*271589001500
10	Install alternator		AR15.40-P-5032CW
◀	<b>Checking</b>		
11	<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 engine as it is running Conduct engine test run while checking for proper operation of the engine	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

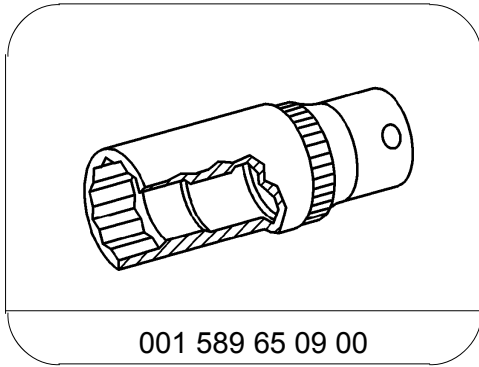
## Nm Timing chain, chain tensioner

Number	Designation	Engine 271
BA05.10-P-1001-01F	Bolt, chain tensioner to bracket	Nm 40



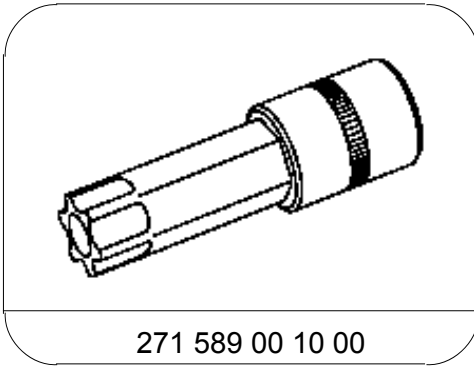
271 589 00 15 00

Drift



001 589 65 09 00

Wrench socket



271 589 00 10 00

Socket insert