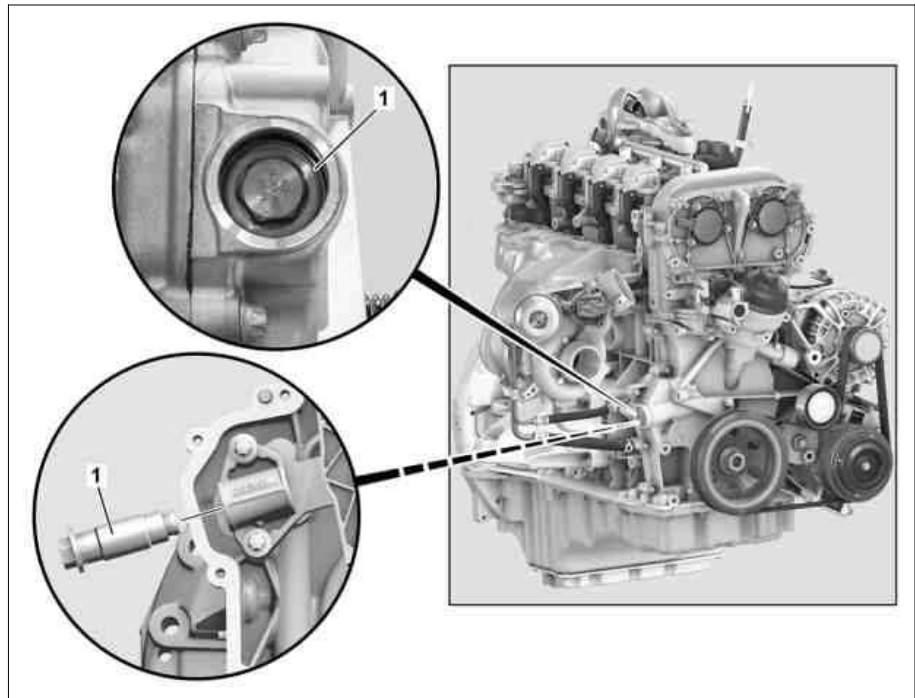


Engine 274.9 in model 205

Engine 274.9 in model 253

Shown on engine 274.9 in model 205  
(except  
205.047/048/049/147/148/247/248/348/349/44  
8/449)

1 Chain tensioner



P05.10-2500-06

Warning	<b>Risk of injury.</b> Skin or eye injuries may result when handling hot or glowing objects.	Wear protective gloves, protective clothing and safety glasses, if necessary.	AS00.00-Z-0002-01A
Caution	<b>Risk of injury</b> to skin and eyes due to handling of engine oil. <b>Risk of poisoning</b> caused by swallowing engine oil	Wear protective gloves, protective clothing and safety glasses. Do not fill engine oil into beverage containers.	AS18.00-Z-0001-01A
	Notes on avoiding damage through contamination and foreign objects		AH00.00-P-5000-01A
	<b>Remove/install</b>		
1	Remove upper engine cover	<b>Installation:</b> Only install upper engine cover after the leak test.	
2	Remove electric coolant pump	Engine 274.9 in model 205 (except 205.048/049/148/248/348/349/448/449), 253 (except 253.349/948/949)	AR20.10-P-1281MRA
3	Remove cap of chain tensioner (1)	<b>Removal:</b> Punch through the cap of chain tensioner (1) in the middle with a screwdriver and pry out. Otherwise the timing case cover will be damaged and leaks will occur. <b>Installation:</b> Replace cap of chain tensioner (1).	
4	Remove chain tensioner (1)	Screw/bolt, chain tensioner to bracket	*BA05.10-P-1001-01F
	<b>Check</b>		
5	Check chain tensioner (1)	 The chain tensioner (1) may only now be reused if it did not have any noticeable problems during previous operation and all components of the chain drive do not show any signs of damage or no components of the chain drive were replaced. Engine damage can occur otherwise. The chain tensioner (1) is pretensioned by an internal spring and moves out autonomously when being removed. If the chain tensioner (1) does not move out on its own.	

6	Check bracket of chain tensioner (1) for damage	For damage  ↓ Remove timing case cover and replace bracket for chain tensioner (1).  Nm Screw/bolt, chain tensioner holder to crankcase	AR01.40-P-8000MRA *BA05.10-P-1003-01F
7	Install in the reverse order		
⚠ Warning	<b>Risk of accident</b> from vehicle starting off by itself when engine running. <b>Risk of injury</b> (bruises and burns) resulting from working on the engine while it is being started or when it is running.	Secure vehicle to prevent it from starting off by itself. Wear buttoned-up and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
8	Carry out an engine test run, checking the engine for proper operation and leaktightness		
9	Install upper engine cover		

**Nm** Timing chain, chain tensioner

Number	Designation	Engine 274
BA05.10-P-1001-01F	Screw/bolt, chain tensioner to bracket	Nm 40

**Nm** Timing chain, chain tensioner

Number	Designation	Engine 274
BA05.10-P-1003-01F	Screw/bolt, chain tensioner holder to crankcase	Nm 20