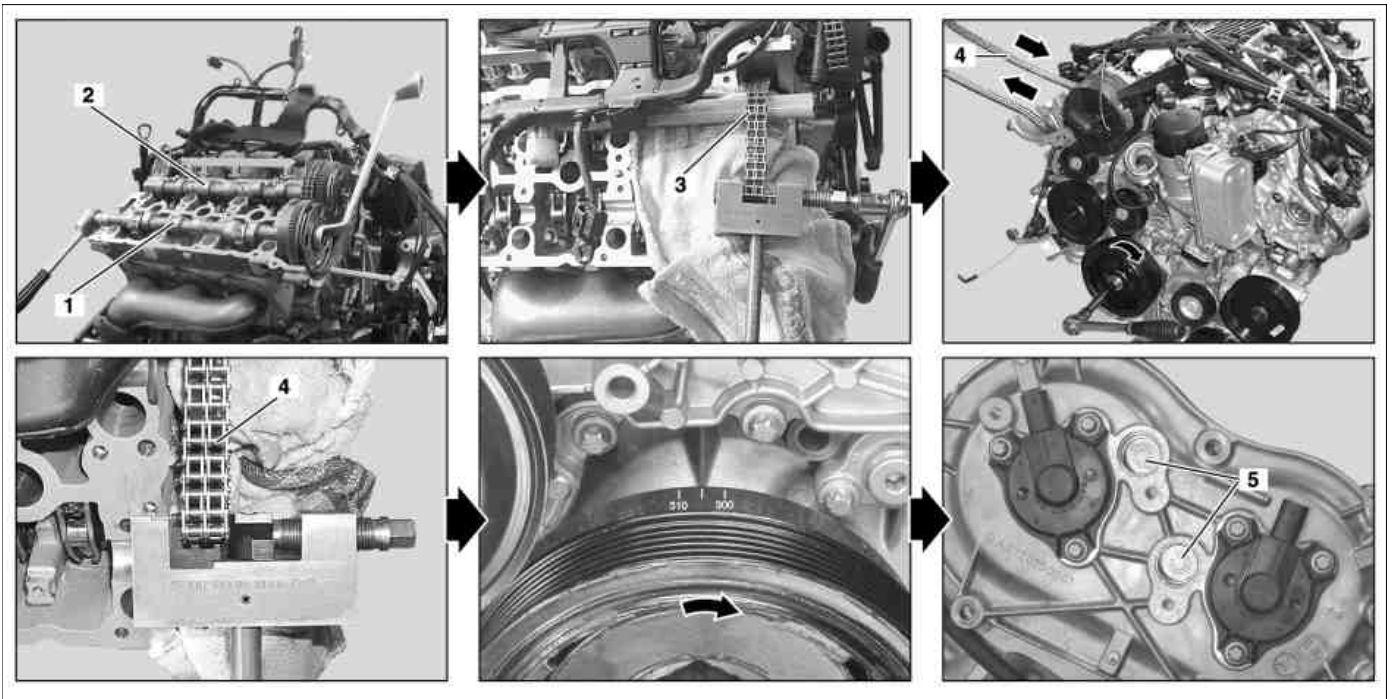


# Mercedes M272 And M273 Engine Repair Replacing Timing Chain 2015

Full download: [www.manualplace.com/mercedes-m272-and-m273-engine-repair-replacing-timing-chain-2015/](http://www.manualplace.com/mercedes-m272-and-m273-engine-repair-replacing-timing-chain-2015/)  
**AR05.10-P-7601-EW** Manual Replace timing chain /mercedes-m272-and-m273-engine-repair-replacing-timing-chain-2015/  
**ENGINES 272, 273 in MODEL 212**

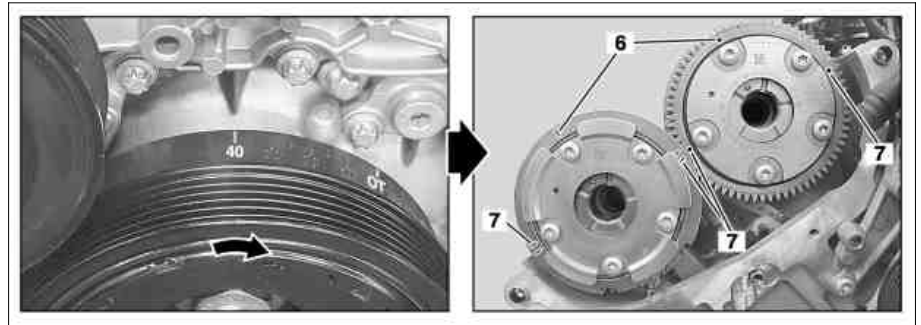


P05.10-2238-09

- 1 Exhaust camshaft
- 2 Intake camshaft
- 6 Markings on camshaft adjuster
- 7 Markings on camshaft adjuster

- 3 Old timing chain
- 4 New timing chain

- 5 Pulse wheel markings



P05.10-2239-04

	Removing		
1	Disconnect battery ground cable Notes on battery		AR54.10-P-0003EW AH54.10-P-0001-01A
2	Remove spark plugs Replace spark plugs		AP15.10-P-1580EW
3	Remove exhaust and intake camshafts (1, 2) at right cylinder head		AR05.20-P-6992EW
4	Disconnect old timing chain (3)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	AR05.10-P-7601-01VA *602589009800 *602589023300 *602589056300 *602589056301
<b>Install</b>			
5	Draw in new timing chain (4)	<input type="checkbox"/> <input type="checkbox"/>	AR05.10-P-7601-04VA *602589009800 *272589036300
6	Rivet new timing chain (4)	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	AR05.10-P-7601-02VA *602589009800 *272589003900 *272589006300 *272589016300 *271589016300

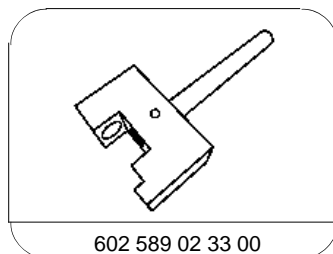
		<b>Nm</b>	<b>*BA05.10-P-1007-01B</b>
7	Crank engine at crankshaft in direction of rotation of engine to a <b>55° crank angle before ignition TDC</b> on first cylinder (305° marking on belt pulley)	See "Check basic position of camshafts with front cover installed at cylinder head at a <b>55° crankshaft angle before ignition TDC</b> ".  <b>G</b> <b>i</b> The markings (5) on pulse wheels of intake and exhaust camshaft (1, 2) on the left cylinder head must be located centrally in bores for camshaft Hall sensors. If this is not the case, turn engine at crankshaft in direction of engine rotation through one revolution.	<b>AR05.20-P-6010EW</b>  <b>*001589650900</b>
8	Crank engine at crankshaft in its direction of rotation through a 95° crank angle to a <b>40° crank angle after ignition TDC</b> on first cylinder		
9	Install intake camshaft (1) and exhaust camshaft (2) on right cylinder head in the basic position	<b>i</b> Markings (6) point upwards and markings (7) align with contact surfaces on the cylinder head covers. See "Check basic position of camshafts with front cover removed at the cylinder head at <b>40° crankshaft angle after ignition TDC</b> ".	<b>AR05.20-P-6992EW</b>  <b>AR05.20-P-6010-01VB</b>
10	Crank engine at crankshaft in the direction of rotation of the engine and check that the basic position of the camshafts for an installed front cover on the cylinder head is at a <b>55° crank angle before ignition TDC</b> (305° marking on the belt pulley)	<b>i</b> The markings (5) on pulse wheels of intake and exhaust camshafts (1, 2) must be located centrally in bores for camshaft Hall sensors.	<b>AR05.20-P-6010EW</b>
11	Install spark plugs Replace spark plugs		<b>AP15.10-P-1580EW</b>
12	Connect ground cable to battery		<b>AR54.10-P-0003EW</b> <b>AS00.00-Z-0005-01A</b>
<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 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.	
13	Carry out an engine test run and check engine for leaks		

**Nm** Timing chain, chain tensioner

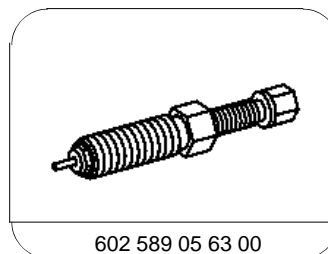
Number	Designation		Engine	Engine
			272	273
BA05.10-P-1007-01B	Bolt for timing chain rivet element (reference value)	Nm	32	32



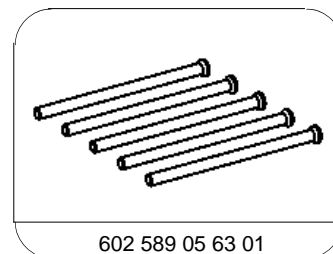
Case



Chain separating tool



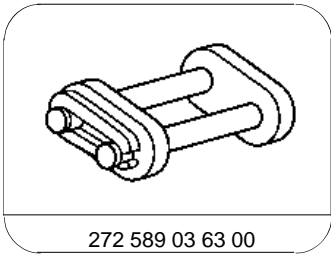
Thrust spindle



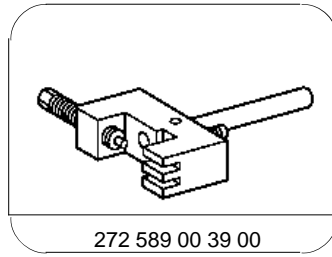
Thrust pins

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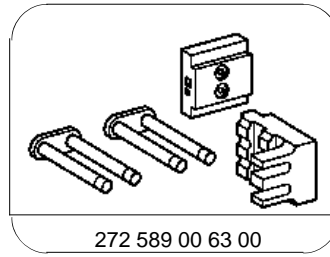
Full download: <http://manualplace.com/download/mercedes-m272-and-m273-engine-repair-replacing-timing-chain-2015/>



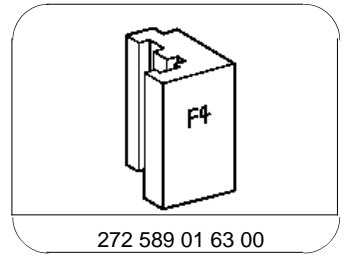
Assembly link



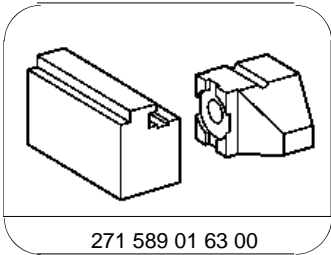
Riveting tool



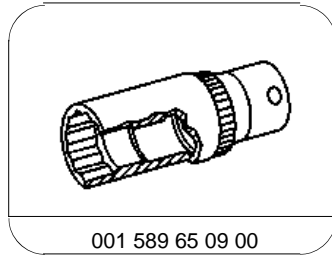
Assembly inserts



Guide



Assembly inserts



Wrench socket