










## ENGINE 642 in MODEL 164, 251

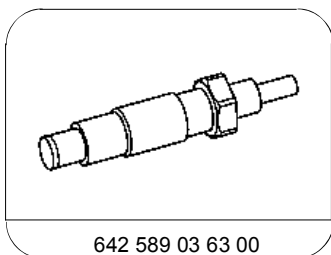
	Remove/install		
1	Remove chain tensioner	 <b>Installation:</b> Replace seal.	AR05.10-P-7800GZB
2	Install measuring chain tensioner	 The measuring chain tensioner is installed without a seal.  Measuring chain tensioner to cylinder head  Measuring chain tensioner	*BA05.10-P-1007-01L *642589036300
	<b>Check</b>		
3	Rotate engine twice at crankshaft in direction of engine rotation and determine the greatest indicator value on measuring chain tensioner	 This is found at ignition TDC for cylinder 1.  Change timing chain after timing chain stretch	*BE05.10-P-1002-03A
4	Install in the reverse order		
 <b>Danger!</b>	<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. Check for oil leaks with engine running	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
5			

## Timing chain check values

Number	Designation	ENGINE 642 in MODEL 164, 166, 203, 204, 207, 209, 211, 212, 218, 219, 221, 222, 251, 292, 461, 463.303/340/341/348
BE05.10-P-1002-03A	Change timing chain after timing chain stretch mm	≥ 82

 Timing chain, chain tensioner

Number	Designation		ENGINE 642
BA05.10-P-1007-01L	Measuring chain tensioner to cylinder head	Nm	20



642 589 03 63 00

Measuring chain tensioner