



P05.10-2269-09

- 1 Chain tensioner
- 2 Markings
- 3 Markings
- 4 TDC marking
- 5 Marking
- 6 Balance shaft drive gear

✕	Removing		
1	Remove cylinder head covers		AR01.20-P-5014GZB
2	Remove mixing chamber		AR09.20-P-1320GZB
◀	Checking		
3	Check timing chain		AR05.10-P-7600GZB
4	Check tightening torque of chain tensioner (1)	i The chain tensioner (1) must be installed and tightened at the correct tightening torque. Nm	*BA05.10-P-1001-01L
5	Position piston of cylinder 1 to ignition TDC	i Rotate engine at crankshaft in the running direction. The markings (2) on camshaft sprockets must be positioned opposite each other. The markings (3) at the camshaft sprockets must be aligned with the cylinder head and lie on the left side. i The TDC marking (4) on belt pulley must be aligned with bar of timing case cover.	
6	Inspect basic position of balancing shaft	i Only in the case of damage i The marking (5) at the balance shaft drive wheel (6) must stand at the vertical center line.	AR03.20-P-3637OM
✕	Install		
7	Install mixing chamber		AR09.20-P-1320GZB
8	Install cylinder head cover		AR01.20-P-5014GZB
⚠	Danger!		AS00.00-Z-0005-01A
9	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 Check for oil leaks with engine running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	

Nm Timing chain, chain tensioner

Number	Designation	Engine 642

BA05.10-P-1001-01L	Chain tensioner in cylinder head	Nm	80
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