

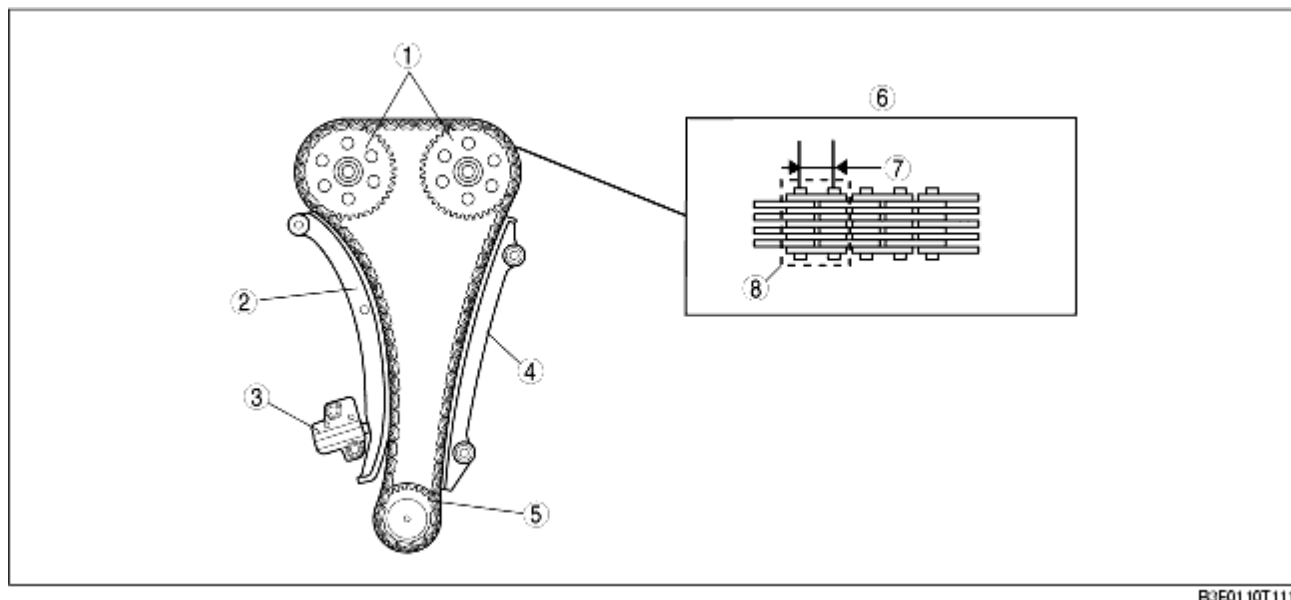
TIMING CHAIN, CHAIN TENSIONER CONSTRUCTION [LF]

B3E011012040T02

- A silent chain (link grounding type) type has been adopted for the timing chain to reduce tapping noise caused by sprocket engagement.
- Engine oil inside the engine front cover lubricates the timing chain and each sprocket. The pin part of the timing chain is nitriding processed to improve abrasion resistance.

Timing Chain Specification

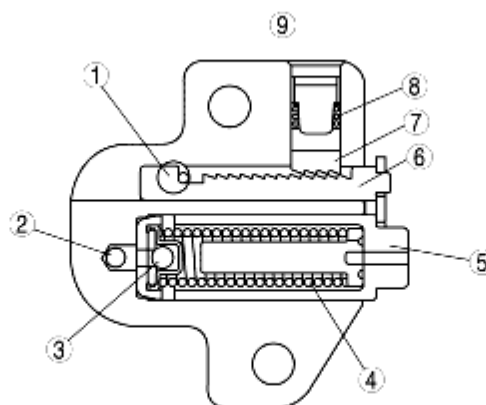
Pitch size	(mm {in})	8 {0.32}
Pitch number		134



B3E01 10T111

1	Camshaft sprocket
2	Tensioner arm
3	Chain tensioner
4	Chain guide
5	Crankshaft sprocket
6	Timing chain
7	Pitch size
8	Pitch

- An oil pressure type chain tensioner has been adopted for the timing chain tensioner. The tension of the timing chain is constantly maintained using oil pressure and spring force in the chain tensioner.
- The oil pressure type chain tensioner consists of the following parts: Piston spring that depresses the tensioner arm, and a check ball that maintains pressure to the tensioner arm.



B3E01 10T098

1	Hole for a ratchet lock
2	Oil supply hole
3	Check ball
4	Piston spring
5	Piston
6	Rack
7	Ratchet
8	Ratchet spring
9	Cross-section