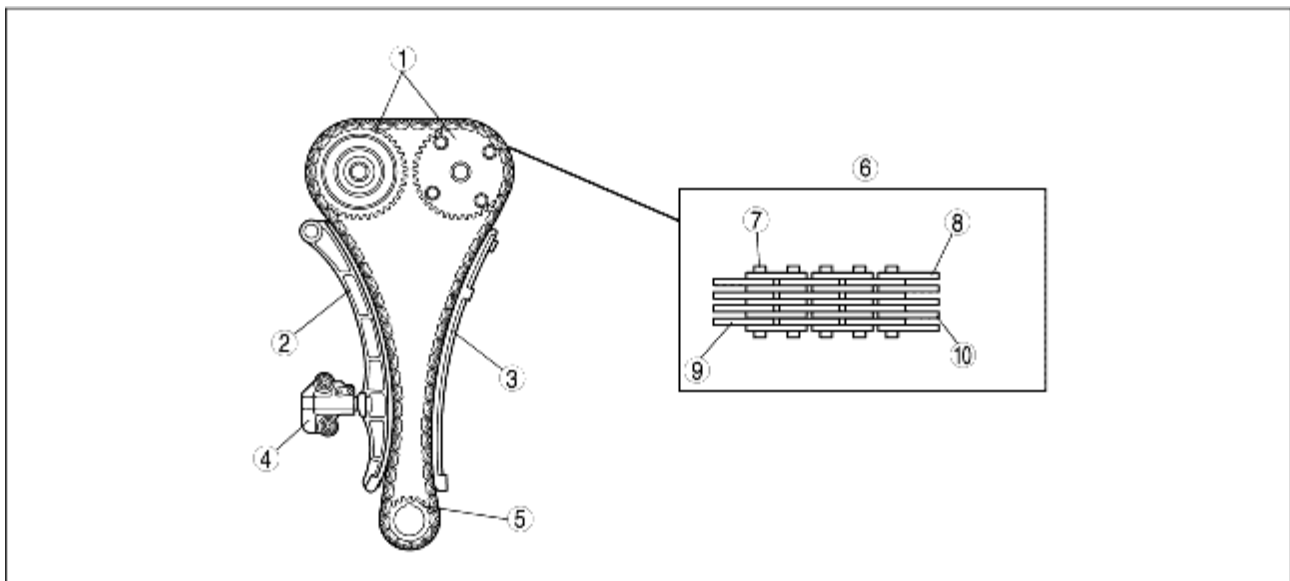


TIMING CHAIN, CHAIN TENSIONER CONSTRUCTION [ZJ, Z6]

B3E011012040T01

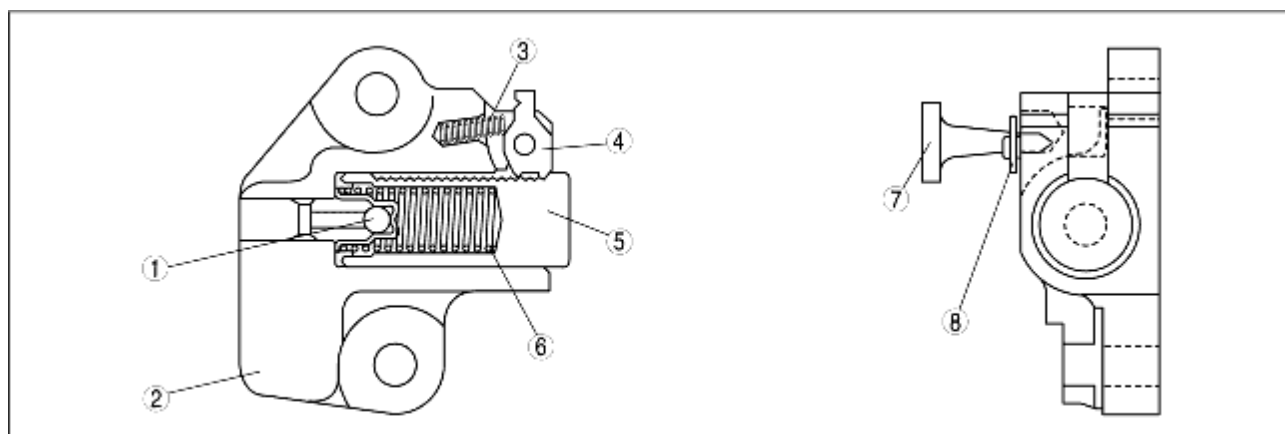
- A silent chain has been adopted for the timing chain to reduce noise caused when the timing chain is engaged with sprockets.
- Engine oil inside the engine front cover lubricates the timing chain and each sprocket. The pin part of the timing chain has special surface processing to improve wear resistance.



B3E01 10T021

1	Camshaft sprocket
2	Tensioner arm
3	Chain guide
4	Chain tensioner
5	Crankshaft sprocket
6	Timing chain
7	Pin
8	Guide plate
9	Inner plate
10	Middle plate

- A chain tensioner employing a ratchet in conjunction with hydraulic pressure 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 chain tensioner is composed of a ratchet which controls the plunger movement when the engine is started, a plunger which presses the tensioner arm, a plunger spring, and a check ball which maintains hydraulic pressure.



B3E01 10T022

1	Check ball
2	Body
3	Cam spring
4	Ratchet
5	Plunger
6	Plunger spring
7	Stopper (attached to service part)
8	Link plate