

TIMING CHAIN, CHAIN TENSIONER [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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Purpose, Function

Timing chain

- The timing chain transmits the rotation force of the crankshaft to the camshaft to perform the rotation timing of the crankshaft and camshaft.

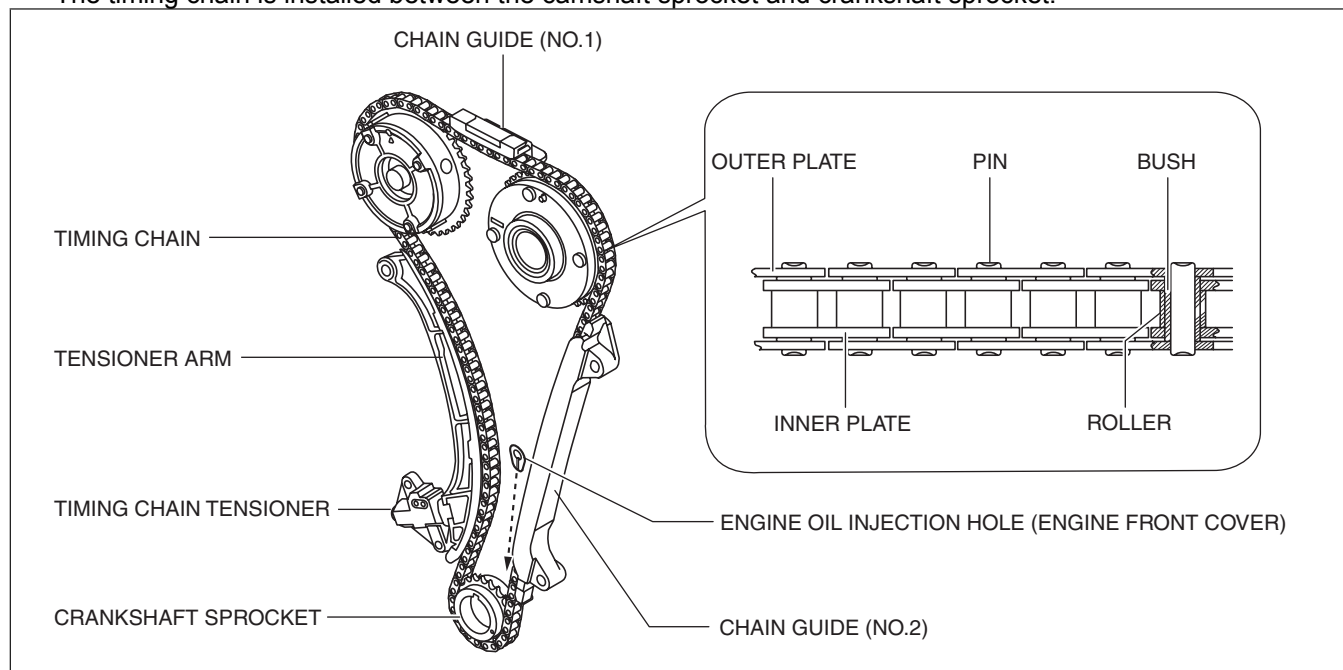
Chain tensioner

- The chain tensioner constantly maintains the timing chain tension and the timing chain operation is stabilized.

Construction

Timing chain

- The timing chain is installed between the camshaft sprocket and crankshaft sprocket.



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- Lubrication of the timing chain and each sprocket is performed using the engine oil from the engine front cover.
- Improvement of the rigidity of the chain guide and tensioner arm and the stability of the timing chain operation have reduced the sliding resistance.

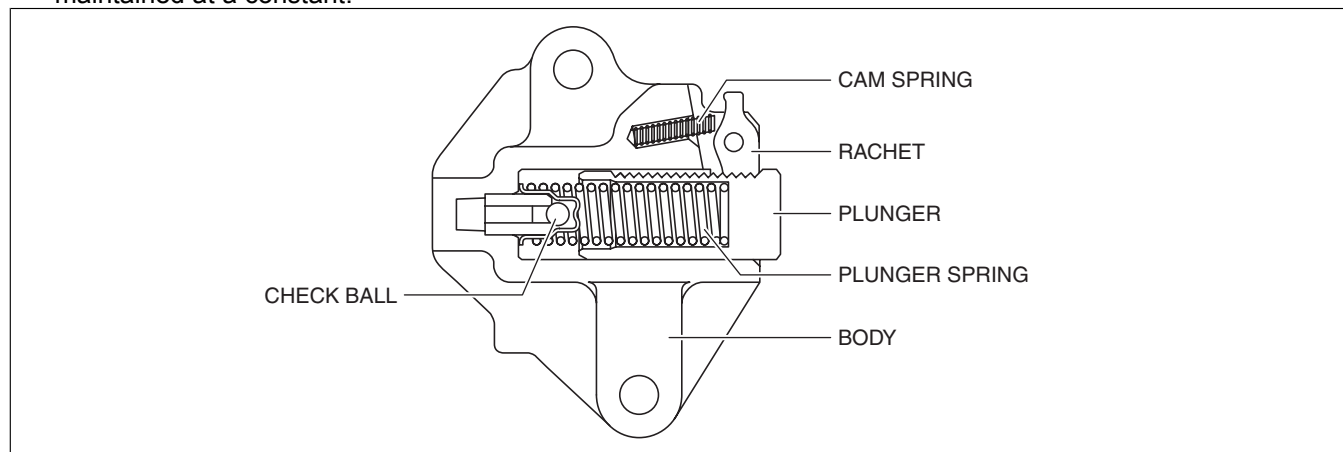
Chain tensioner

- The chain tensioner is installed to the cylinder block (front of engine).
- An oil pressure type chain tensioner has been adopted for the chain tensioner.

OPERATION

Chain tensioner

- Fluctuation in the timing chain tension by oil pressure and spring force is suppressed, and the tension is maintained at a constant.



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