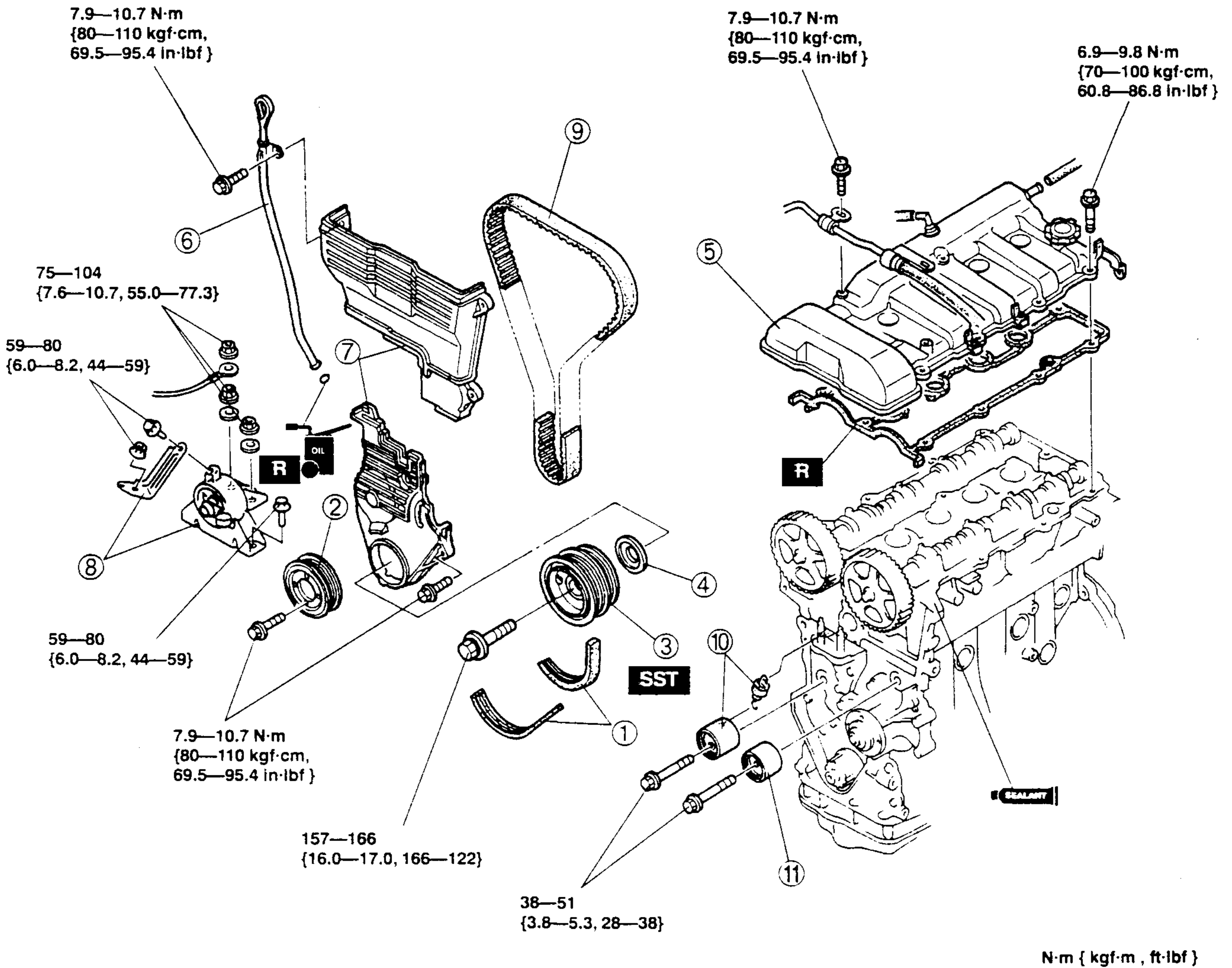


TIMING BELT

TIMING BELT

TIMING BELT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the camshaft position sensor and crankshaft position sensor.
3. Remove the spark plug.
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.
6. Check the air gap. (Refer to section F, CONTROL SYSTEM, CRANKSHAFT POSITION SENSOR INSPECTION.)
7. Start the engine and
 - (1) check the pulleys and drive belt for runout and contact.
 - (2) check the ignition timing. (Refer to section F, ENGINE TUNE-UP, IGNITION TIMING INSPECTION.)



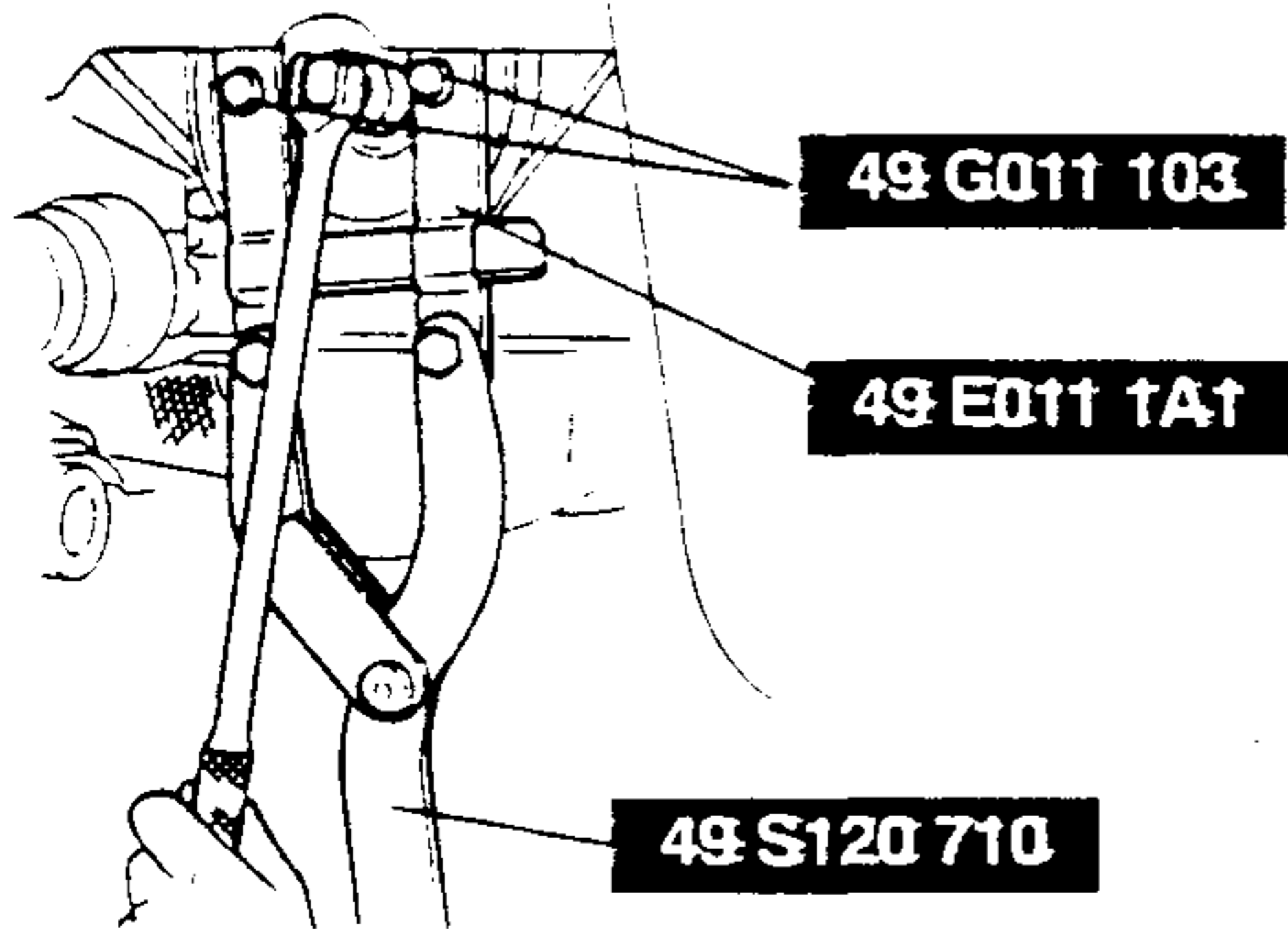
1	Drive belt ☞ DRIVE BELT, DRIVE BELT ADJUSTMENT
2	Water pump pulley ☞ Installation Note
3	Crankshaft pulley ☞ Removal Note ☞ Installation Note
4	Guide plate
5	Cylinder head cover ☞ Removal Note ☞ Installation Note

6	Dipstick and pipe
7	Timing belt cover
8	No.3 Engine mount rubber ☞ Removal Note
9	Timing belt ☞ Removal Note ☞ Installation Note
10	Tensioner, tensioner spring ☞ Installation Note
11	Idler

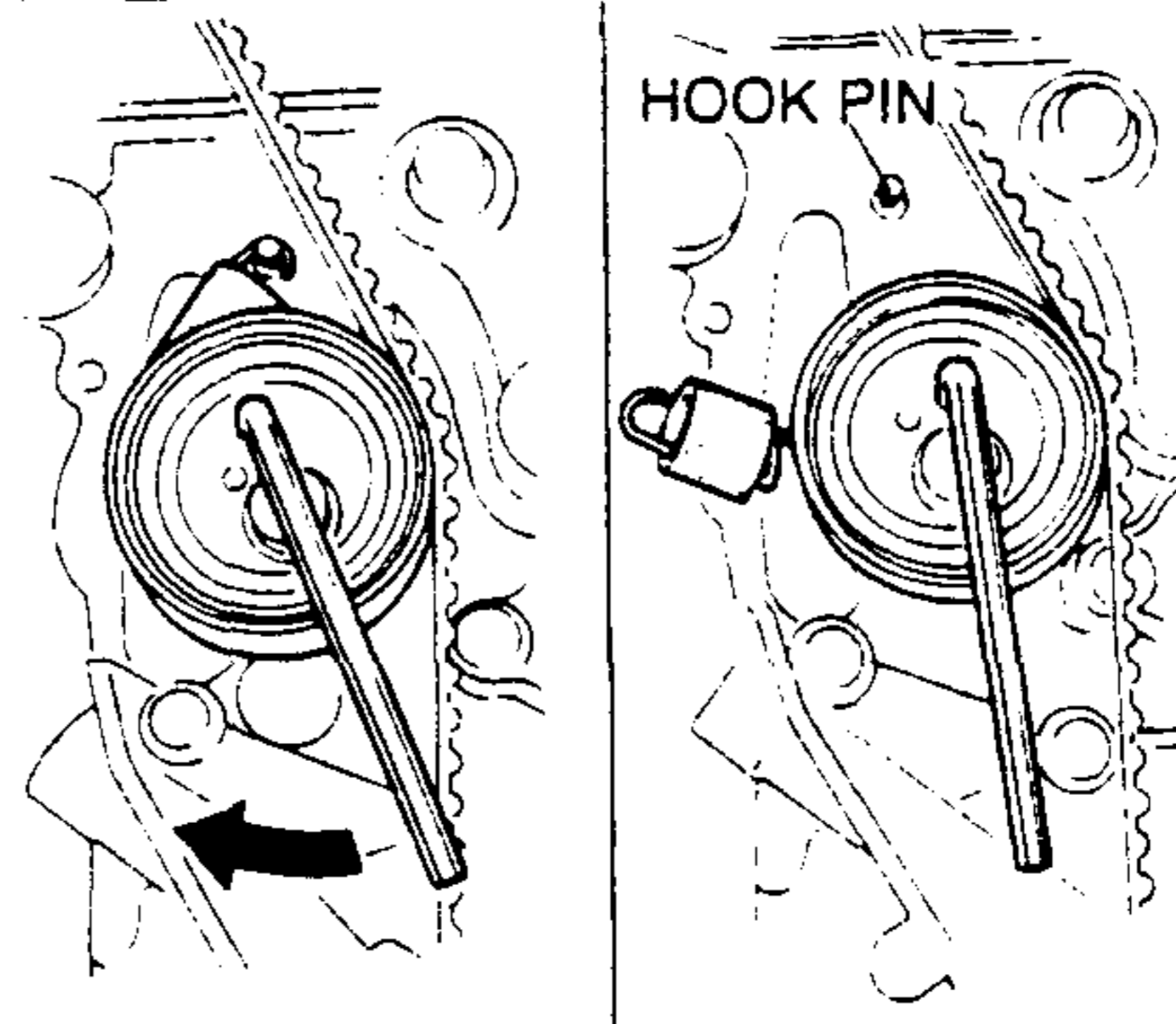
TIMING BELT

Crankshaft Pulley Removal Note

- Hold the crankshaft by using the SST.

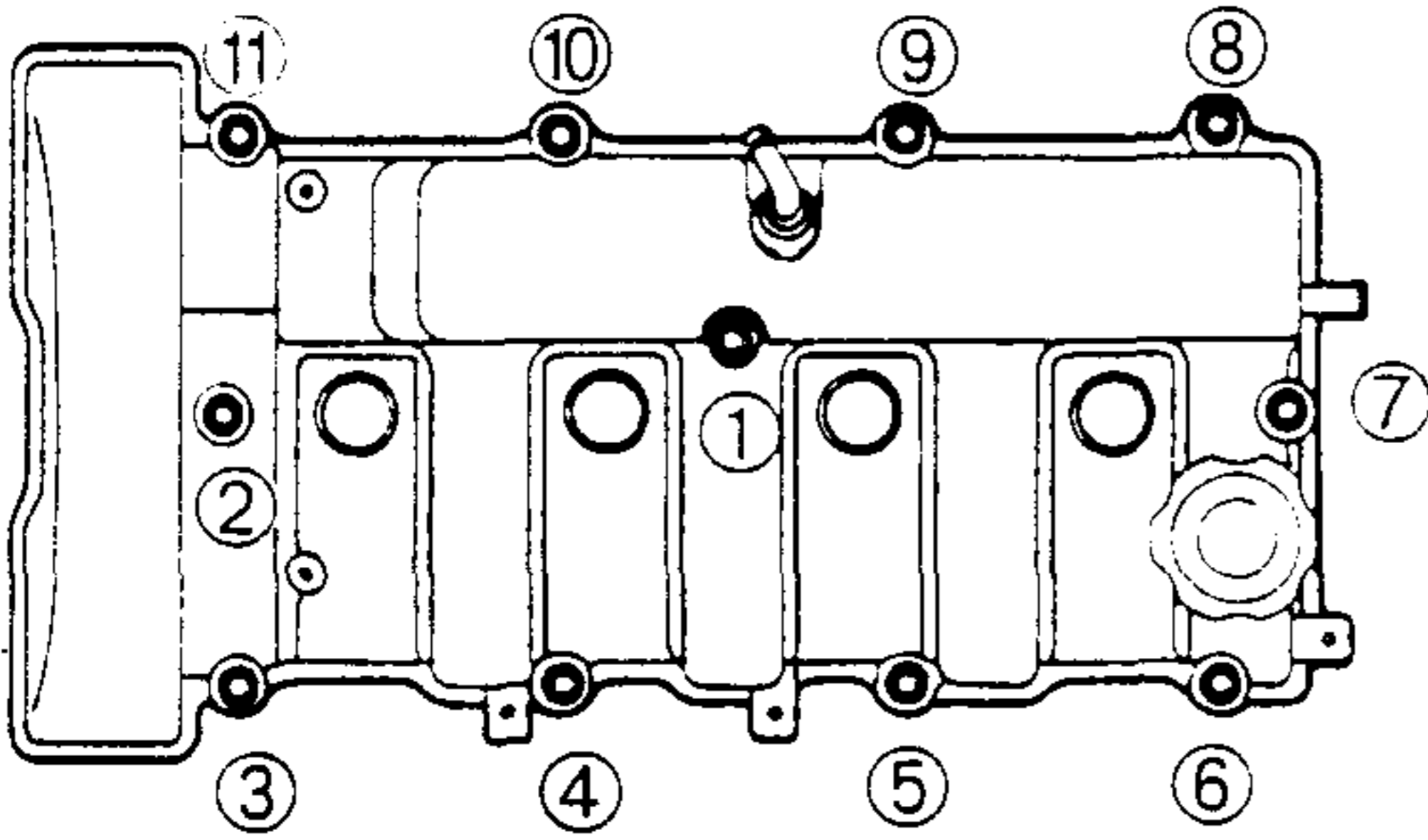


3. Turn the tensioner clockwise by using an Allen wrench.
4. Disconnect the tensioner spring from the hook pin.



Cylinder Head Cover Removal Note

- Loosen the cylinder head cover bolts in two or three steps in the order shown.

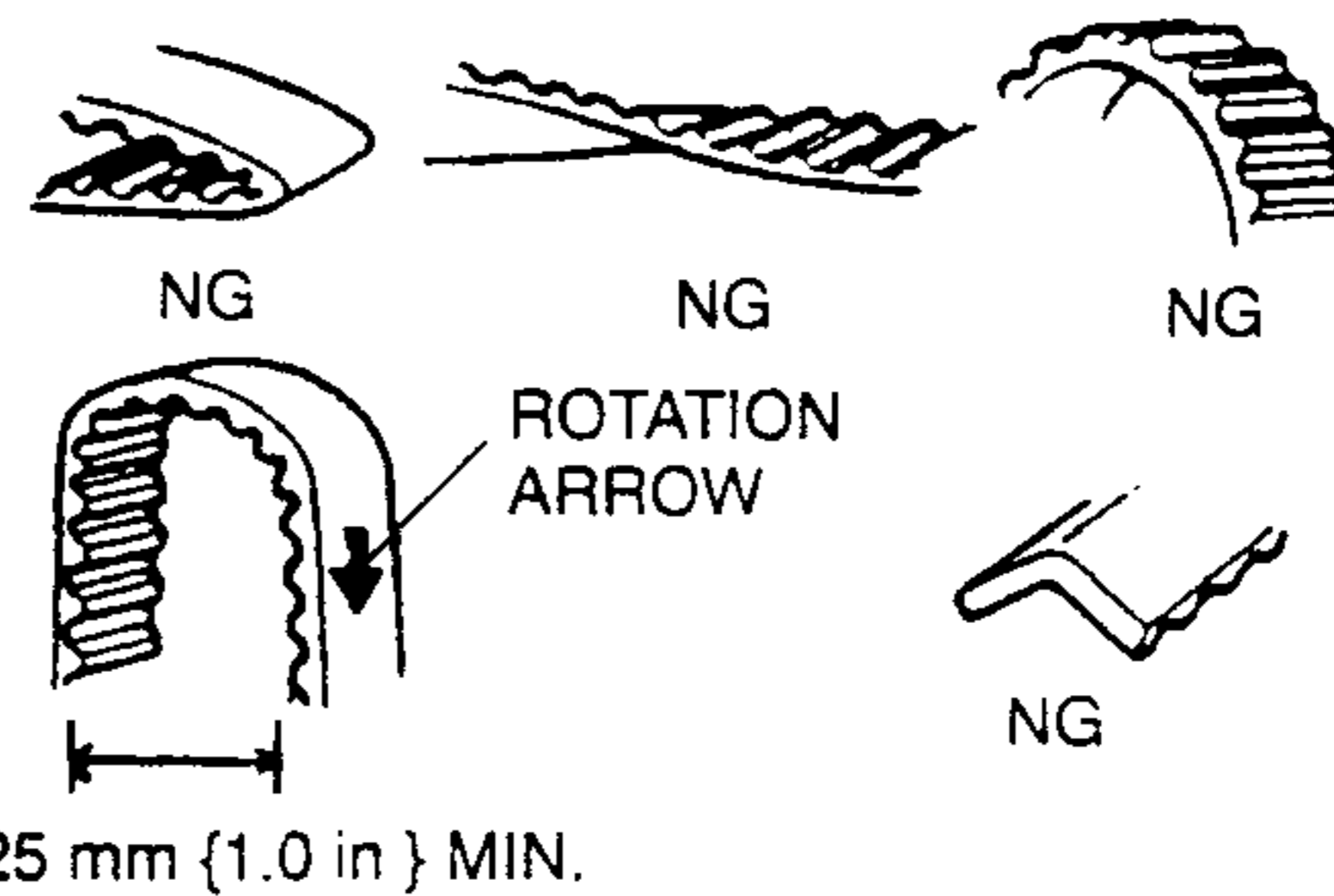


Caution

- The following will damage the belt and shorten its life; Forcefully twisting it, turning it inside out, or allowing oil or grease on it.

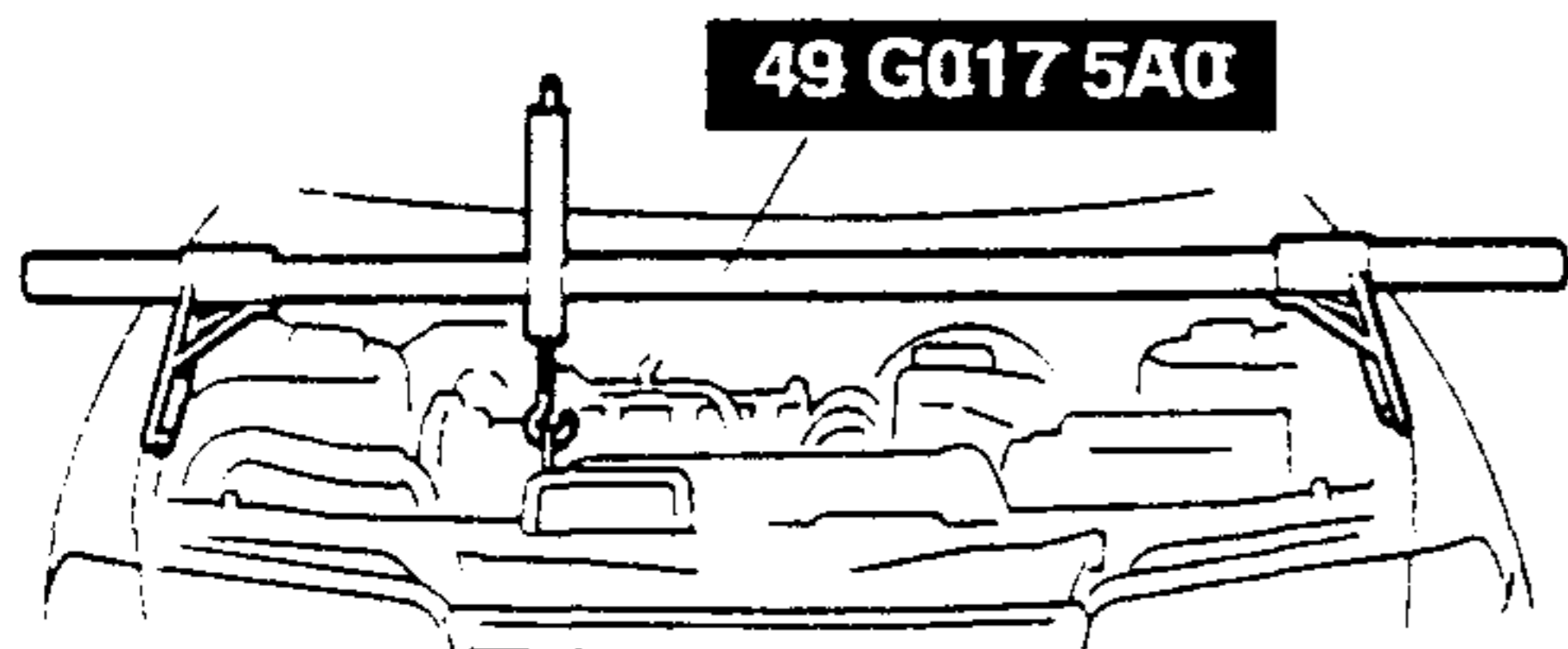
Note

- Mark the timing belt rotation on the belt for proper reinstallation.



No.3 Engine Mount Rubber Removal Note

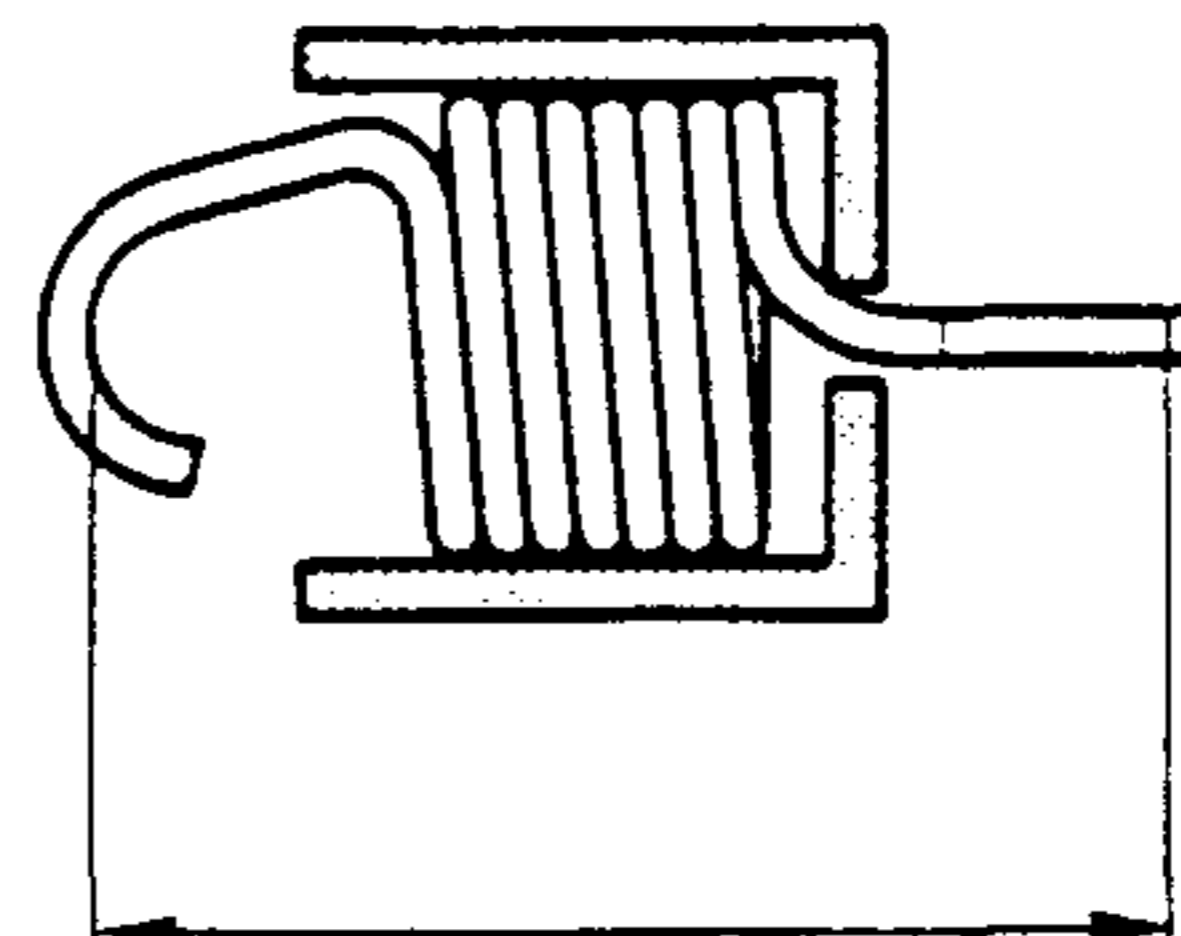
- Suspend the engine by using the SST.



Tensioner, Tensioner Spring Installation Note

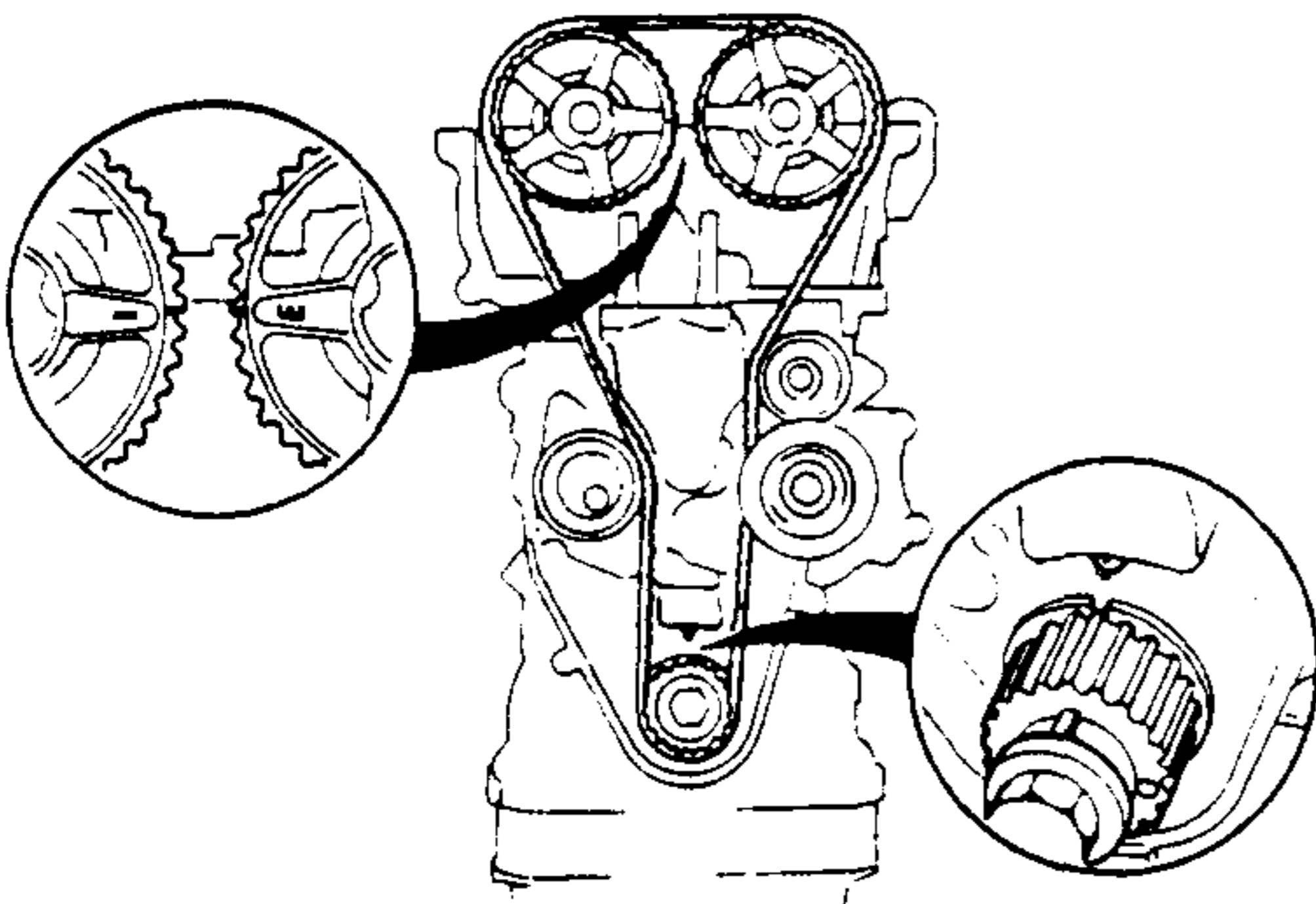
1. Measure the tensioner spring free length. If not within the specification, replace the tensioner spring.

Free length
 36.6 mm {1.44 in }



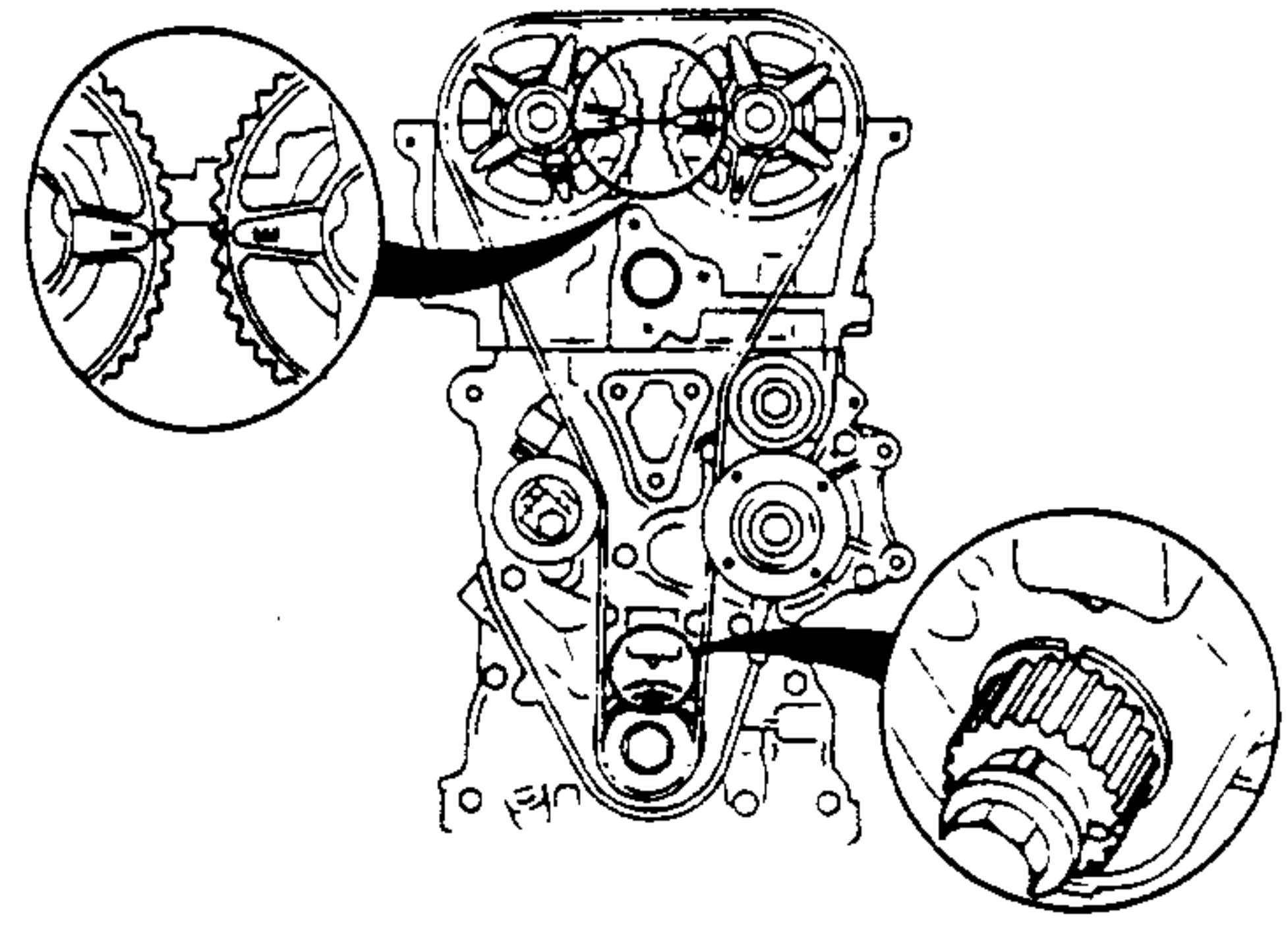
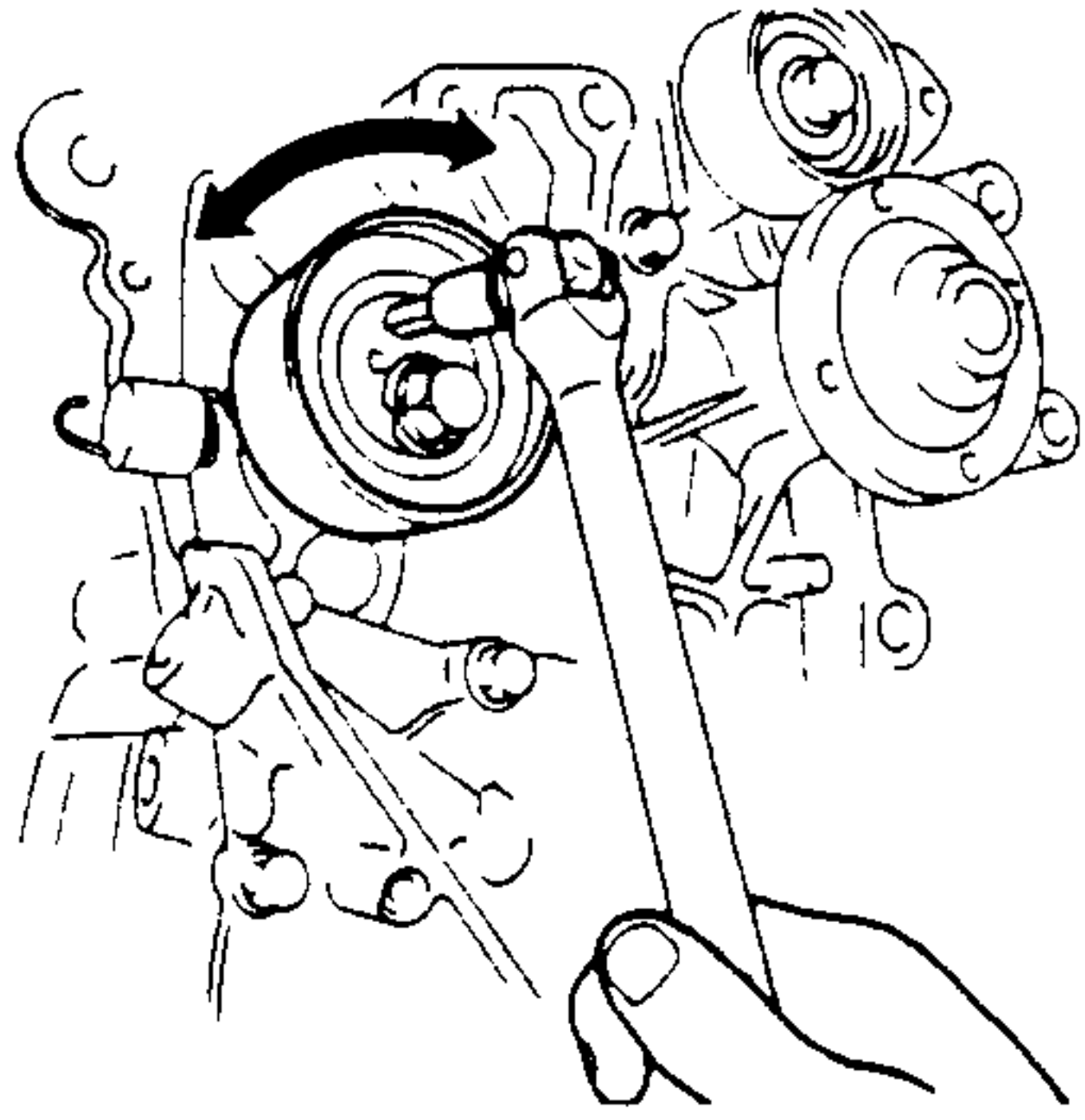
Timing Belt Removal Note

1. Install the pulley lock bolt.
2. Turn the crankshaft clockwise and align the timing marks.



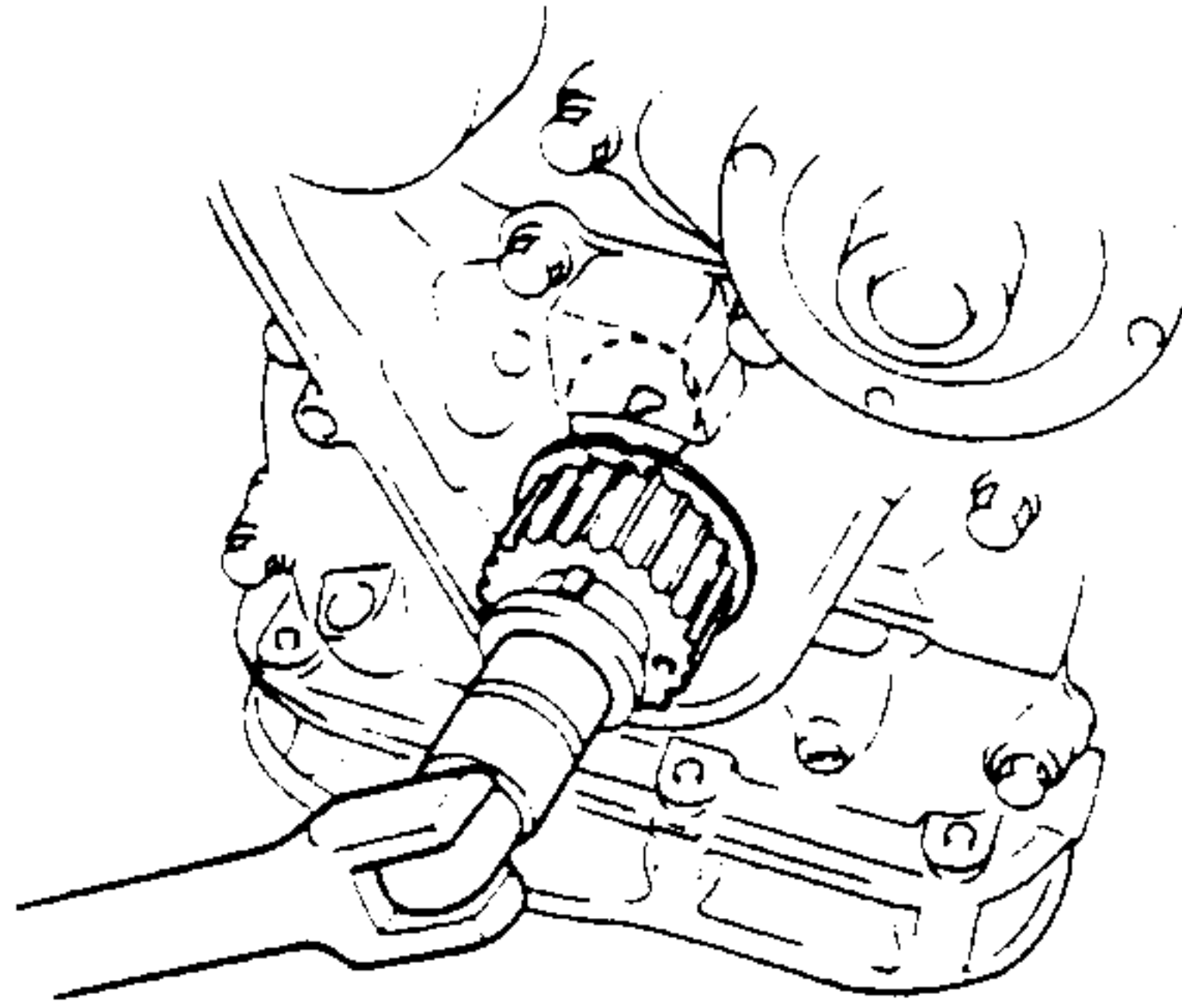
2. Install the tensioner
3. Rotate the tensioner. If tensioner rotates with no resistance or does not rotate, replace the tensioner.

TIMING BELT



Timing Belt Installation Note

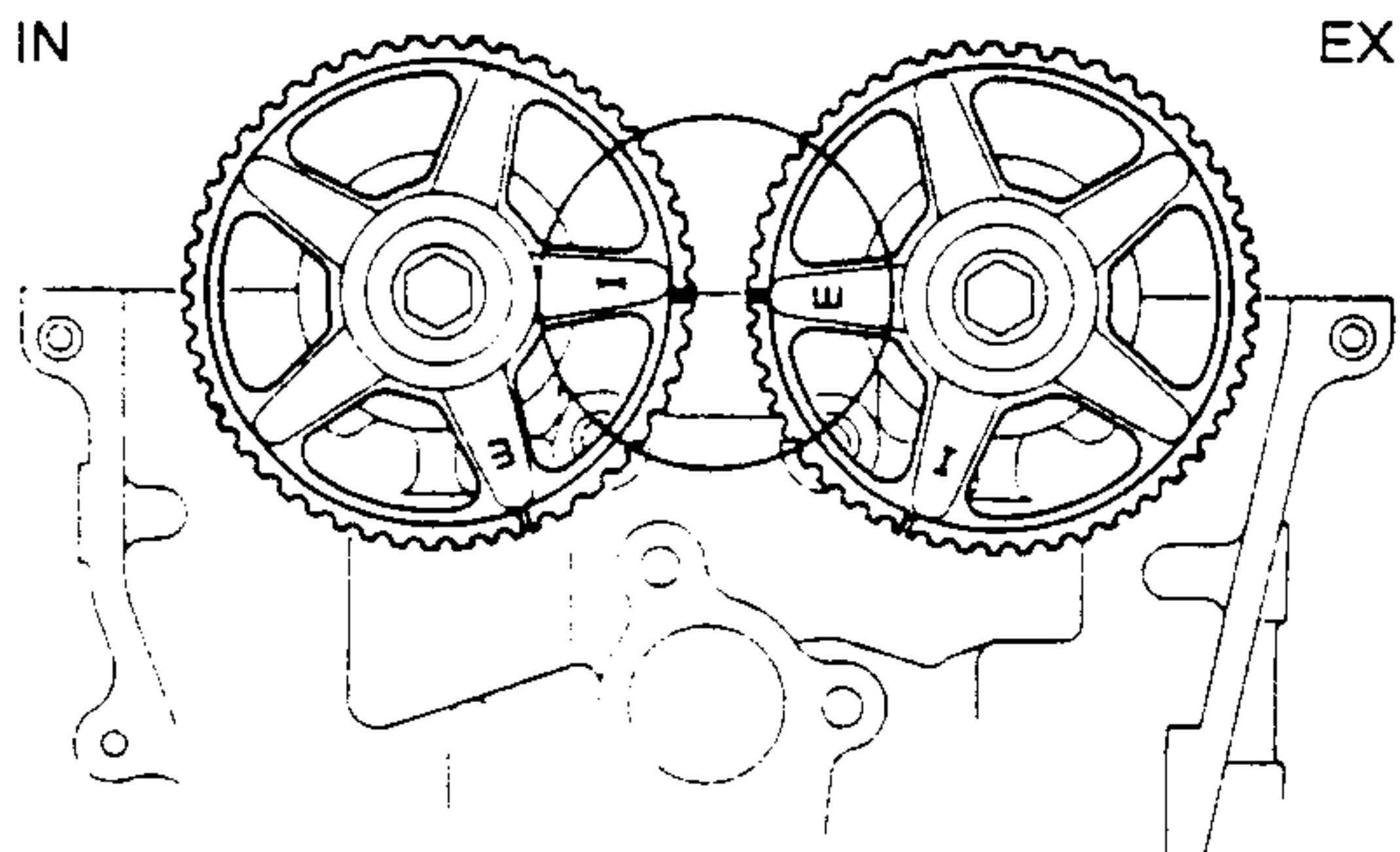
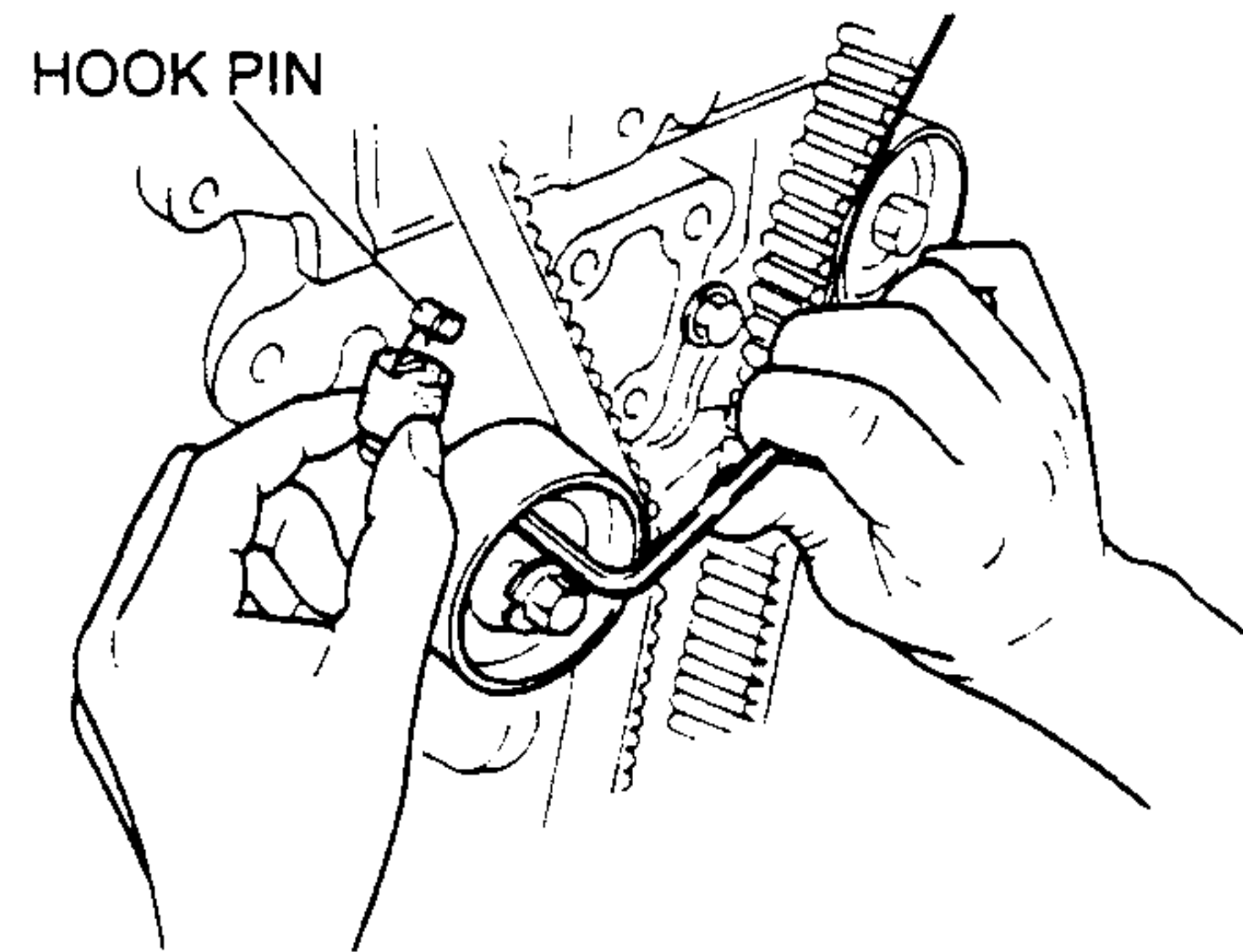
1. Verify that the timing belt pulley mark and camshaft pulley marks are aligned with the timing marks as shown.



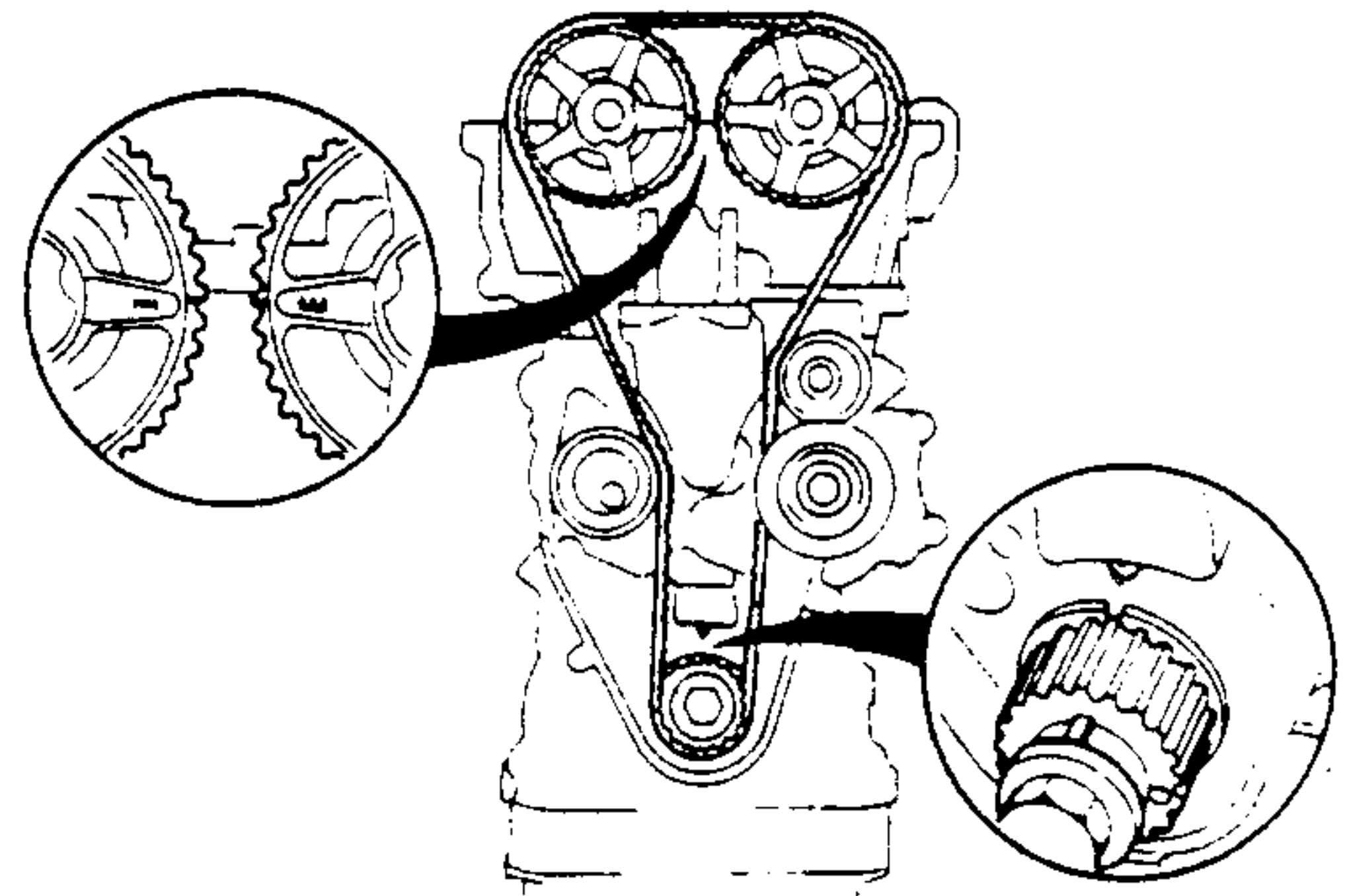
Caution

- Be sure not to apply tension other than that of the tensioner spring.

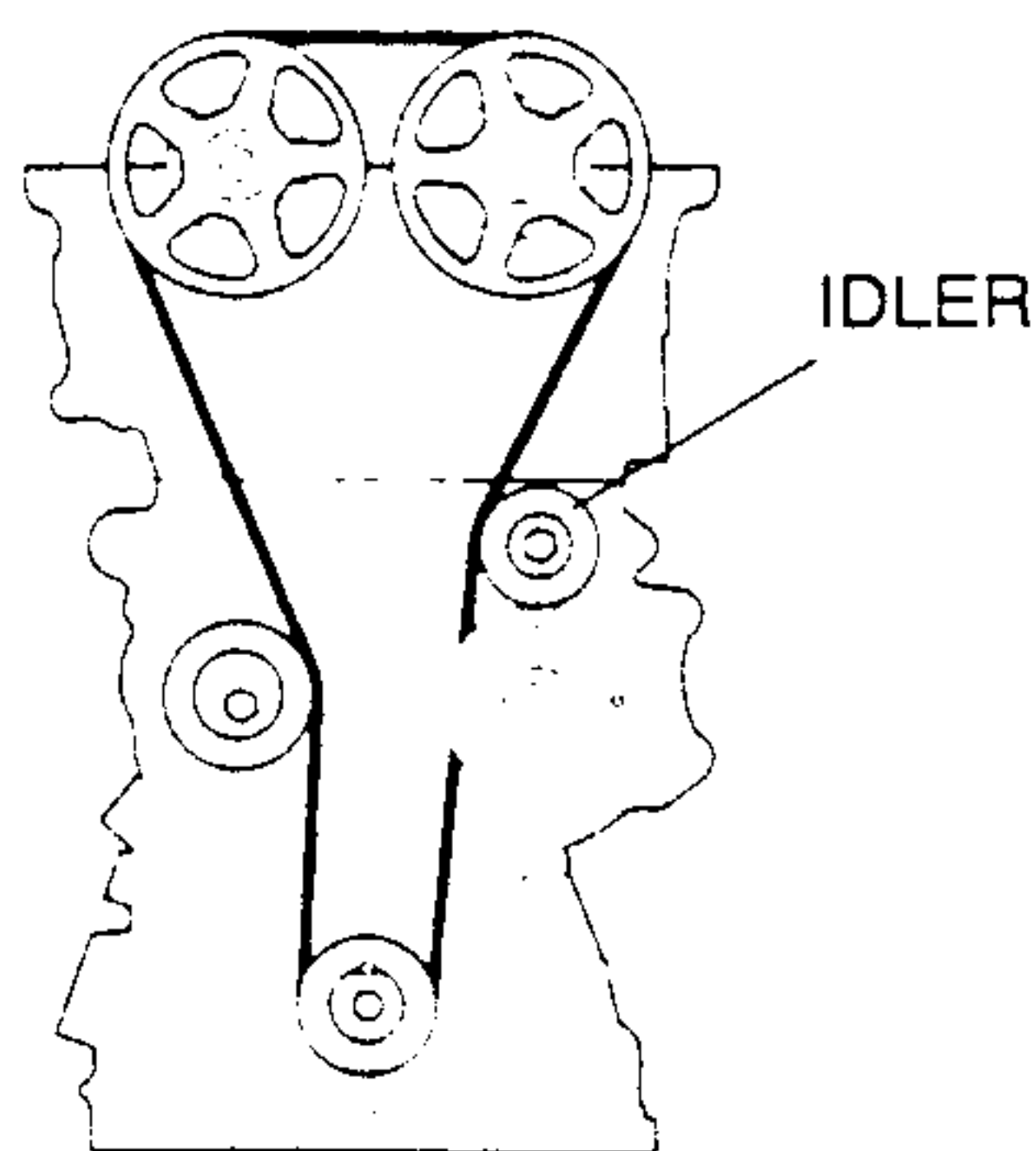
5. Turn the tensioner clockwise by using an Allen wrench.
6. Connect the tensioner to the hook pin.



7. Turn the crankshaft clockwise twice, and verify that all timing marks are aligned. If not aligned, repeat from step 1.



2. Install the timing belt so that there is no looseness at the idler side.

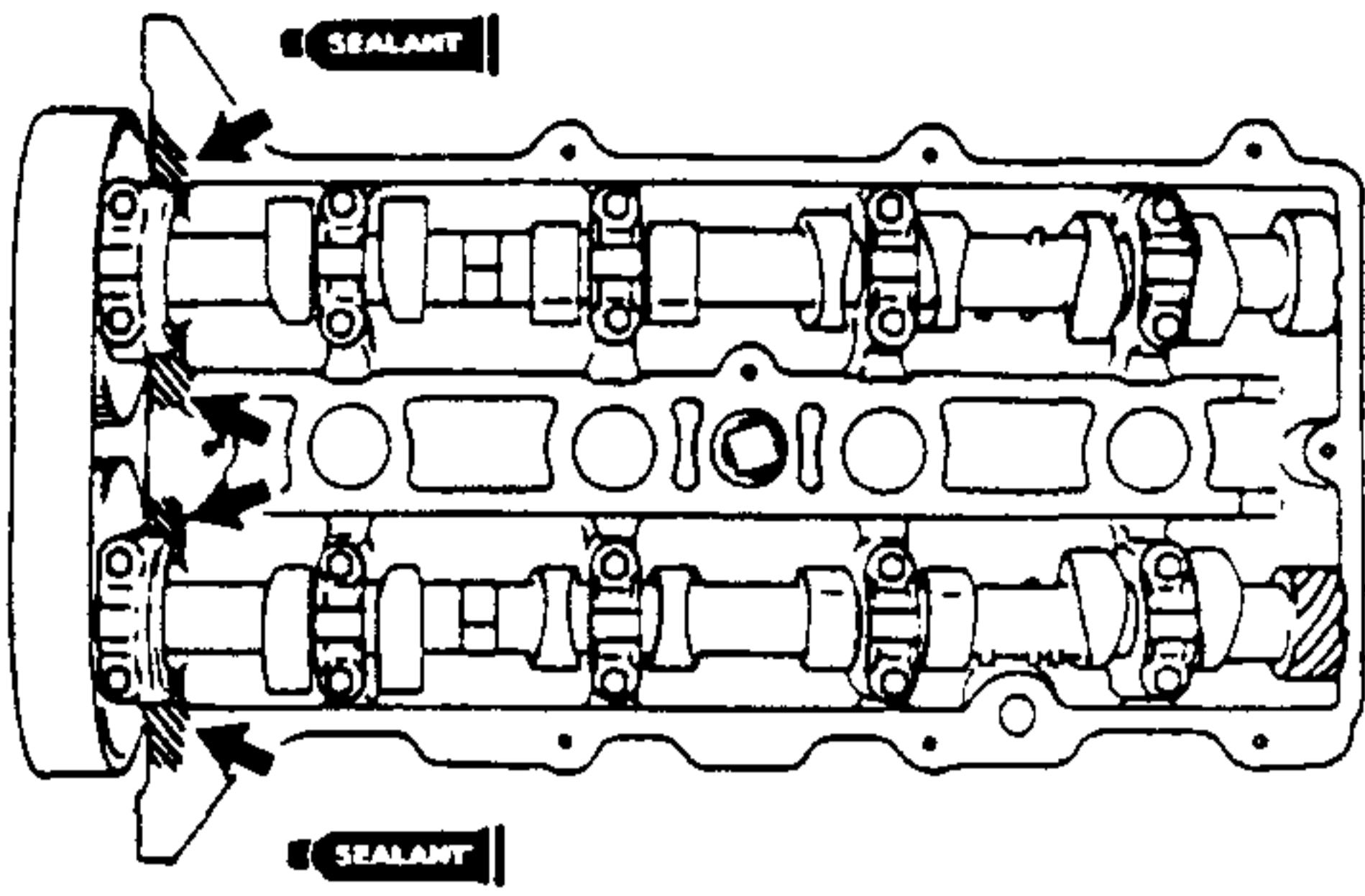


Cylinder Head Cover Installation Note

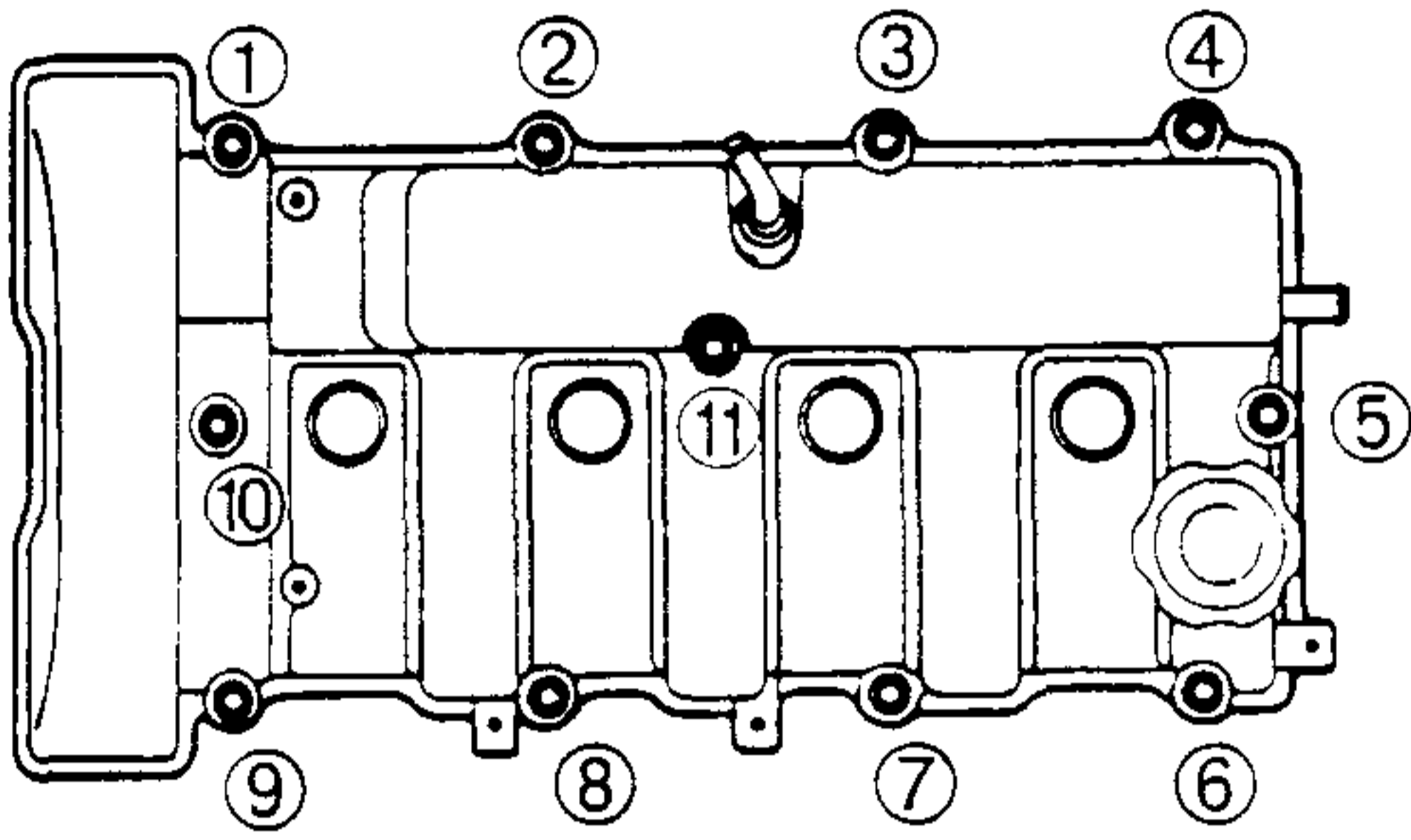
1. Verify that the grooves on the cylinder head cover are free of oil, water and other foreign material.
2. Install the cylinder head cover gasket into the cylinder head cover.
3. Apply silicone sealant to the cylinder head as shown.

3. Turn the crankshaft clockwise twice, and align the timing marks.
4. Verify that all timing marks are correctly aligned. If not aligned, remove the timing belt and repeat from step 1.

TIMING BELT



4. Tighten the cylinder head cover bolts in two or three steps in the order shown.



Crankshaft Pulley Installation Note

- Hold the crankshaft by using the SST.

