

REMOVAL

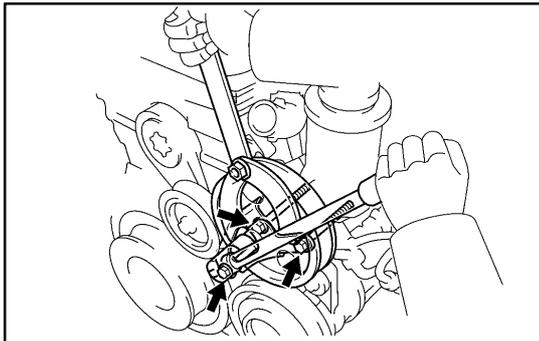
1. REMOVE RADIATOR ASSEMBLY
(See page CO-22)

2. M/T:

REMOVE DRIVE BELT TENSIONER DAMPER

Remove the 2 nuts and tensioner damper.

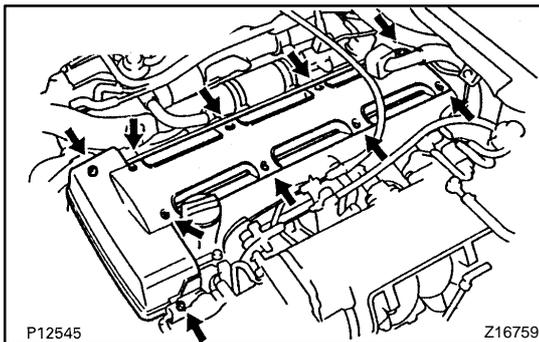
3. REMOVE DRIVE BELT, FAN, FLUID COUPLING ASSEMBLY AND WATER PUMP PULLEY
(See page CO-7)



4. REMOVE PS PUMP PULLEY

Using SST, remove the nut and pump pulley.

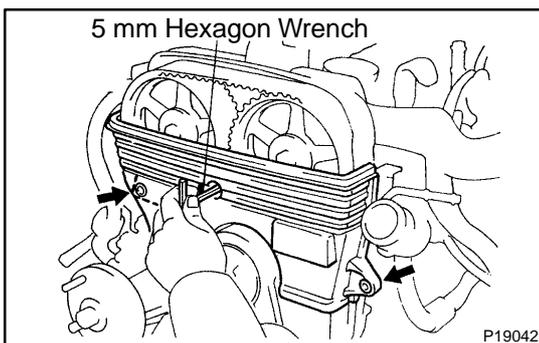
SST 09960-10010 (09962-01000, 09963-01000)



5. REMOVE NO.3 TIMING BELT COVER

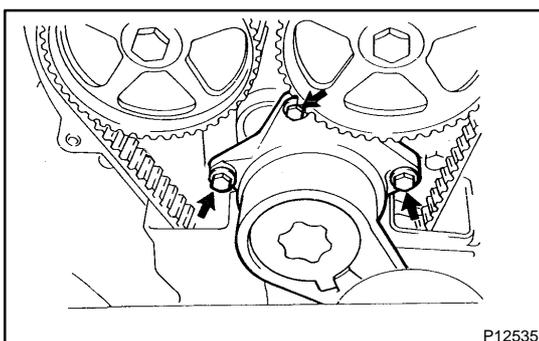
(a) Remove the oil filler cap.

(b) Using a 5 mm hexagon wrench, remove the 10 bolts and belt cover



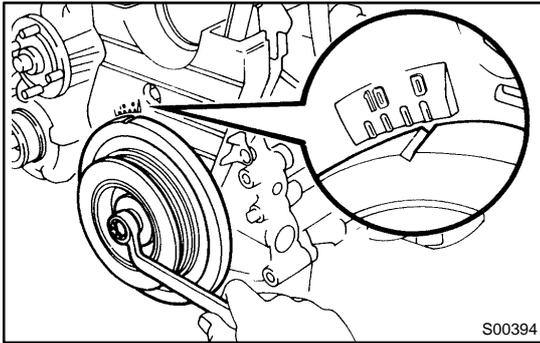
6. REMOVE NO.2 TIMING BELT COVER

Using a 5 mm hexagon wrench, remove the 3 bolts, belt cover and gasket.



7. REMOVE DRIVE BELT TENSIONER

Remove the 3 bolts and tensioner.

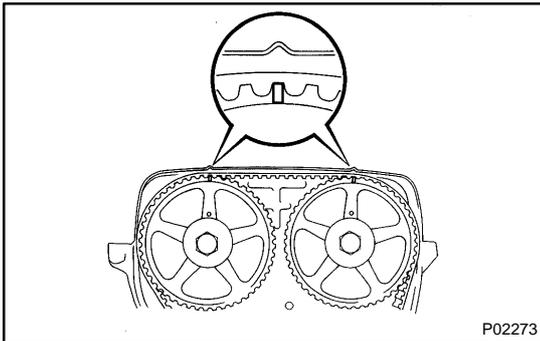


8. SET NO.1 CYLINDER TO TDC/COMPRESSION

- (a) Turn the crankshaft pulley, and align its groove with timing mark "0" of the No.1 timing belt cover.

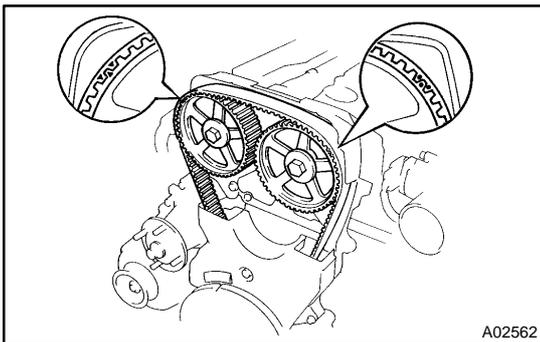
NOTICE:

Always turn the crankshaft clockwise.



- (b) Check that the timing marks of the camshaft timing pulleys are aligned with the timing marks of the No.4 timing belt cover.

If not, turn the crankshaft 1 revolution (360°).

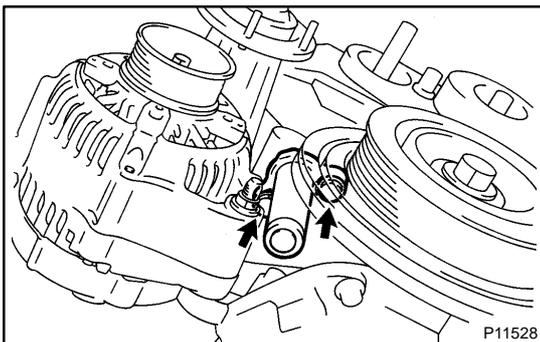


9. REMOVE TIMING BELT FROM CAMSHAFT TIMING PULLEYS

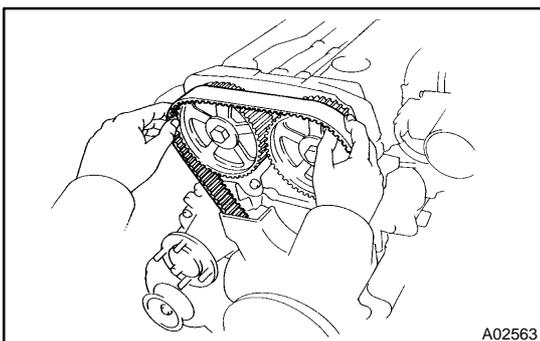
HINT:

(Re-using timing belt):

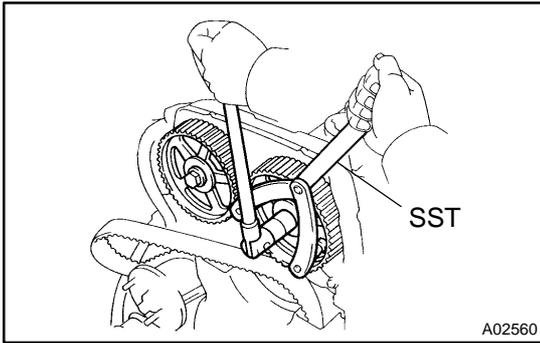
Place matchmarks on the timing belt and camshaft timing pulleys as shown in the illustration.



- (a) Alternately loosen the 2 bolts, and remove them, the tensioner and dust boot.

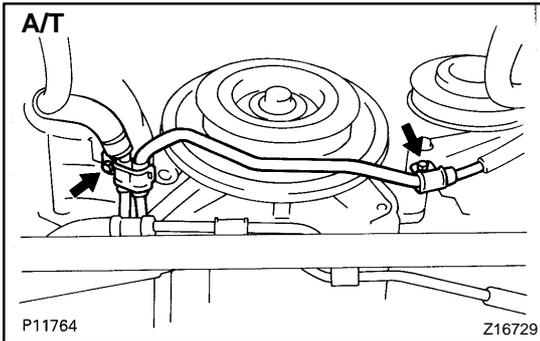


- (b) Disconnect the timing belt from the camshaft timing pulleys.

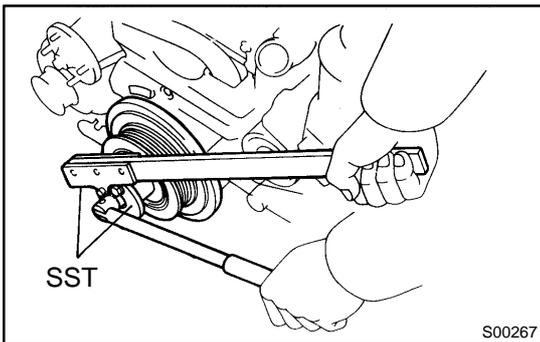
**10. REMOVE CAMSHAFT TIMING PULLEYS**

Using SST, remove the pulley bolt. Remove the 2 timing pulleys.

SST 09960-10010 (09962-01000, 09963-01000)

**11. A/T:****DISCONNECT OIL COOLER TUBES**

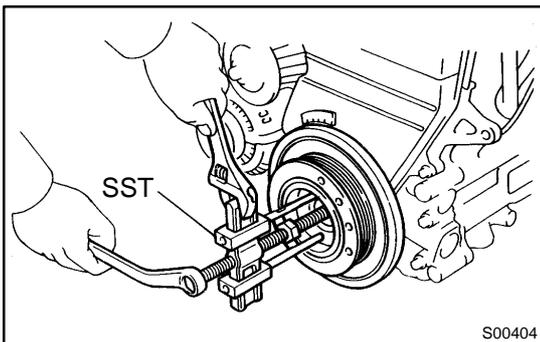
Remove the 2 bolts and hose clamps, and disconnect oil cooler tubes.

**12. REMOVE CRANKSHAFT PULLEY**

(a) Using SST, loosen the pulley bolt.

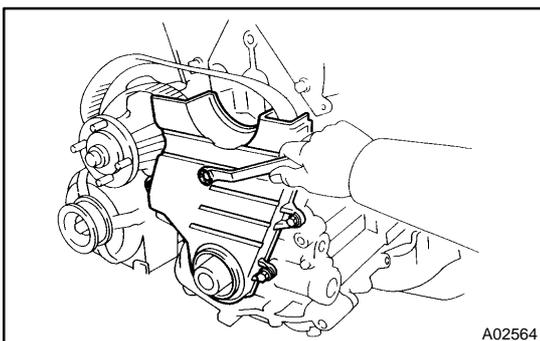
SST 09213-70010, 09330-00021

(b) Remove the pulley bolt.



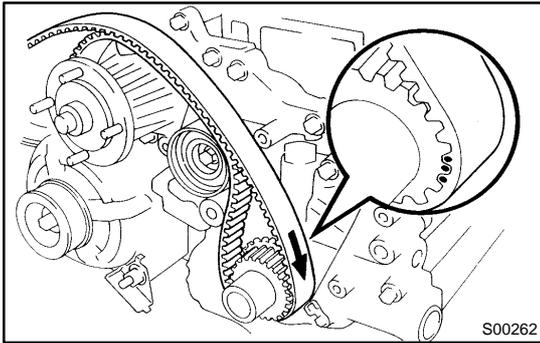
(c) Using SST, remove the pulley.

SST 09950-50010 (09951-05010, 09952-05010, 09953-05010, 09953-05020, 09954-05030)

**13. REMOVE NO.1 TIMING BELT COVER**

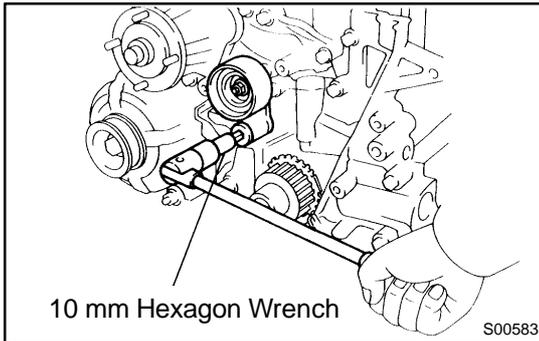
Remove the 5 bolts, timing belt cover and gasket.

14. REMOVE TIMING BELT GUIDE

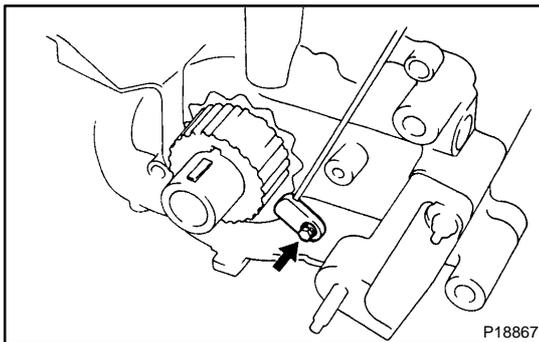
**15. REMOVE TIMING BELT****HINT:**

(When re-using timing belt):

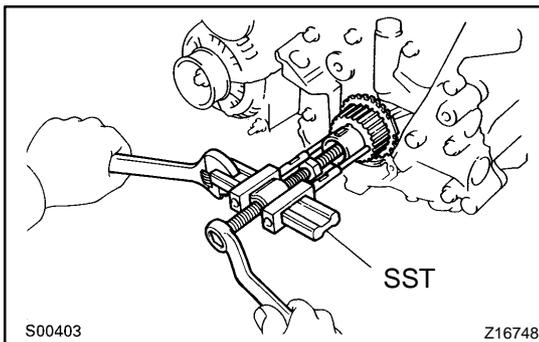
Draw an arrow on the timing belt in the direction of engine revolution, and place matchmarks on the timing belt and crankshaft timing pulley.

**16. REMOVE IDLER PULLEY**

Using a 10 mm hexagon wrench, remove the pivot bolt, plate washer and idler pulley.

**17. REMOVE CRANKSHAFT TIMING PULLEY**

(a) Remove the bolt and timing belt plate.



(b) Remove the crankshaft timing pulley.

If the pulley cannot be removed by hand, use SST to remove the crankshaft timing pulley.

SST 09950-50010 (09951-05010, 09952-05010,
09953-05010, 09953-05020, 09954-05010)

NOTICE:

Do not scratch the sensor part the crankshaft timing pulley.