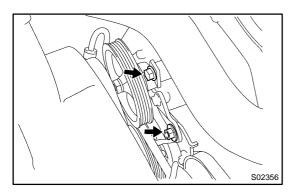
EM01I-14

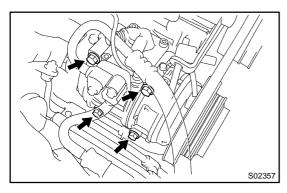
# REMOVAL

- 1. REMOVE ENGINE UNDER COVER
- 2. DRAIN ENGINE COOLANT
- 3. DISCONNECT UPPER RADIATOR HOSE



#### 4. DISCONNECT PS PUMP FROM ENGINE

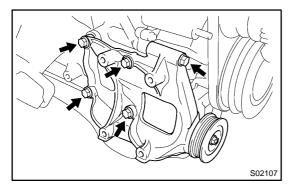
- (a) Disconnect the 2 PS air hoses from the air intake chamber and resonator.
- (b) Remove the bolt holding the PS pressure tube clamp to the frame.
- (c) Remove the drive belt (See page SR-33).
- (d) Remove the bolt and nut, and disconnect the PS pump from the engine.



## 5. w/ A/C:

## DISCONNECT A/C COMPRESSOR FROM ENGINE

- (a) Disconnect the A/C compressor connector.
- (b) Remove the drive belt (See page AC-17).
- (c) Remove the 4 bolts, and disconnect the A/C compressor from the engine.
- 6. LOOSEN FAN WITH FLUID COUPLING AND FAN PUL-LEYS
- 7. REMOVE DRIVE BELT FOR GENERATOR (See page CH-6)
- 8. REMOVE NO.2 FAN SHROUD
- 9. REMOVE FAN WITH FLUID COUPLING AND FAN PUL-LEYS



#### 10. w/ A/C:

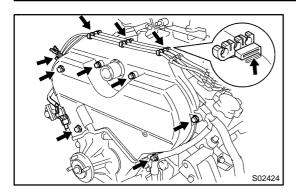
# REMOVE A/C COMPRESSOR BRACKET

Remove the 5 bolts and A/C compressor bracket.

## 11. REMOVE OIL DIPSTICK AND GUIDE

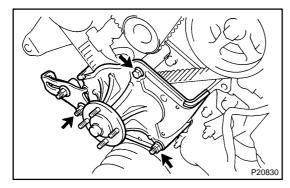
Remove the bolt, oil dipstick, guide and O-ring.

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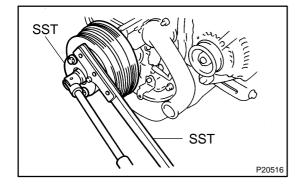
## 12. REMOVE NO.2 TIMING BELT COVER

- (a) Disconnect the 4 high-tension cord clamps from the No.2 timing belt cover.
- (b) Remove the 6 bolts and No.2 timing belt cover.
- (c) Disconnect the camshaft position sensor connector.



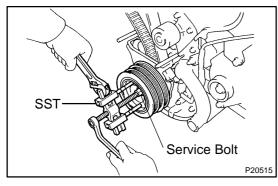
#### 13. REMOVE FAN BRACKET

- (a) Remove the nut and PS pump adjusting strut.
- (b) Remove the bolt, nut and fan bracket.



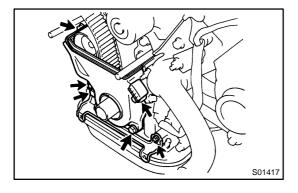
## 14. REMOVE CRANKSHAFT PULLEY

- (a) Using SST, loosen the pulley bolt. SST 09213-54015 (90119-08216), 09330-00021
- (b) Remove the SST, pulley bolt and pulley.



# HINT:

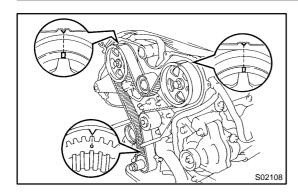
If necessary, remove the pulley with SST and a service bolt. SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05031)



# 15. REMOVE STARTER WIRE BRACKET AND NO.1 TIM-ING BELT COVER

- (a) Remove the 2 bolts and starter wire bracket.
- (b) Remove the 4 bolts and timing belt cover.
- 16. REMOVE TIMING BELT GUIDE

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#### 7. SET NO.1 CYLINDER AT TDC/COMPRESSION

- (a) Temporarily install the crankshaft pulley bolt to the crankshaft
- (b) Turn the crankshaft, and align the timing marks of the crankshaft timing pulley and oil pump body.

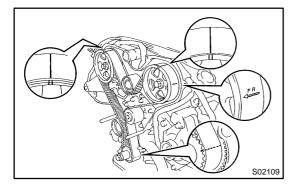
# NOTICE:

## Always turn the crankshaft clockwise.

(c) Check that the timing marks of the camshaft timing pulleys and No.3 timing belt cover are aligned.

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

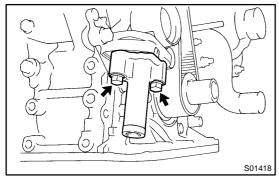
(d) Remove the crankshaft pulley bolt.



# 18. IF REUSING TIMING BELT, CHECK INSTALLATION MARKS ON TIMING BELT

Check that there are 3 installation marks and front mark on the timing belt.

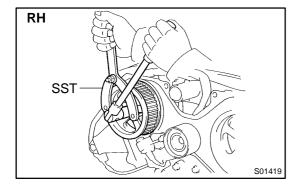
If the installation and front marks have disappeared, before removing the timing belt, place 3 new installation marks on the timing belt to match the timing marks of the timing pulleys, and place a new front mark on the timing belt.



# 19. REMOVE TIMING BELT TENSIONER

Alternately loosen the 2 bolts, and remove them, the belt tensioner and dust boot.

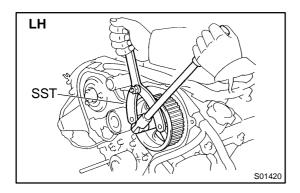
## 20. REMOVE TIMING BELT



# 21. REMOVE RH CAMSHAFT TIMING PULLEY

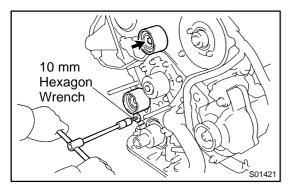
- (a) Using SST, loosen the pulley bolt. SST 09960-10010 (09962-01000, 09963-01000)
- (b) Remove the bolt, knock pin and camshaft timing pulley.

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#### 22. REMOVE LH CAMSHAFT TIMING PULLEY

- (a) Using SST, loosen the pulley bolt. SST 09960-10010 (09962-01000, 09963-01000)
- (b) Remove the bolt, knock pin and camshaft timing pulley.

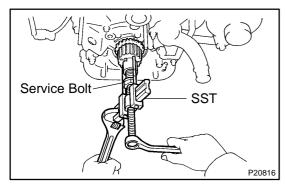


#### 23. REMOVE NO.2 IDLER PULLEY

Remove the bolt and No.2 idler pulley.

# 24. REMOVE NO.1 IDLER PULLEY

Using a 10 mm hexagon wrench, remove the pivot bolt, No.1 idler pulley and plate washer.



## 25. REMOVE CRANKSHAFT TIMING PULLEY

Remove the crankshaft timing pulley.

HINT:

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

SST 09950-50013 (09951-05010, 09952-05010, 09953-05020, 09954-05011)

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