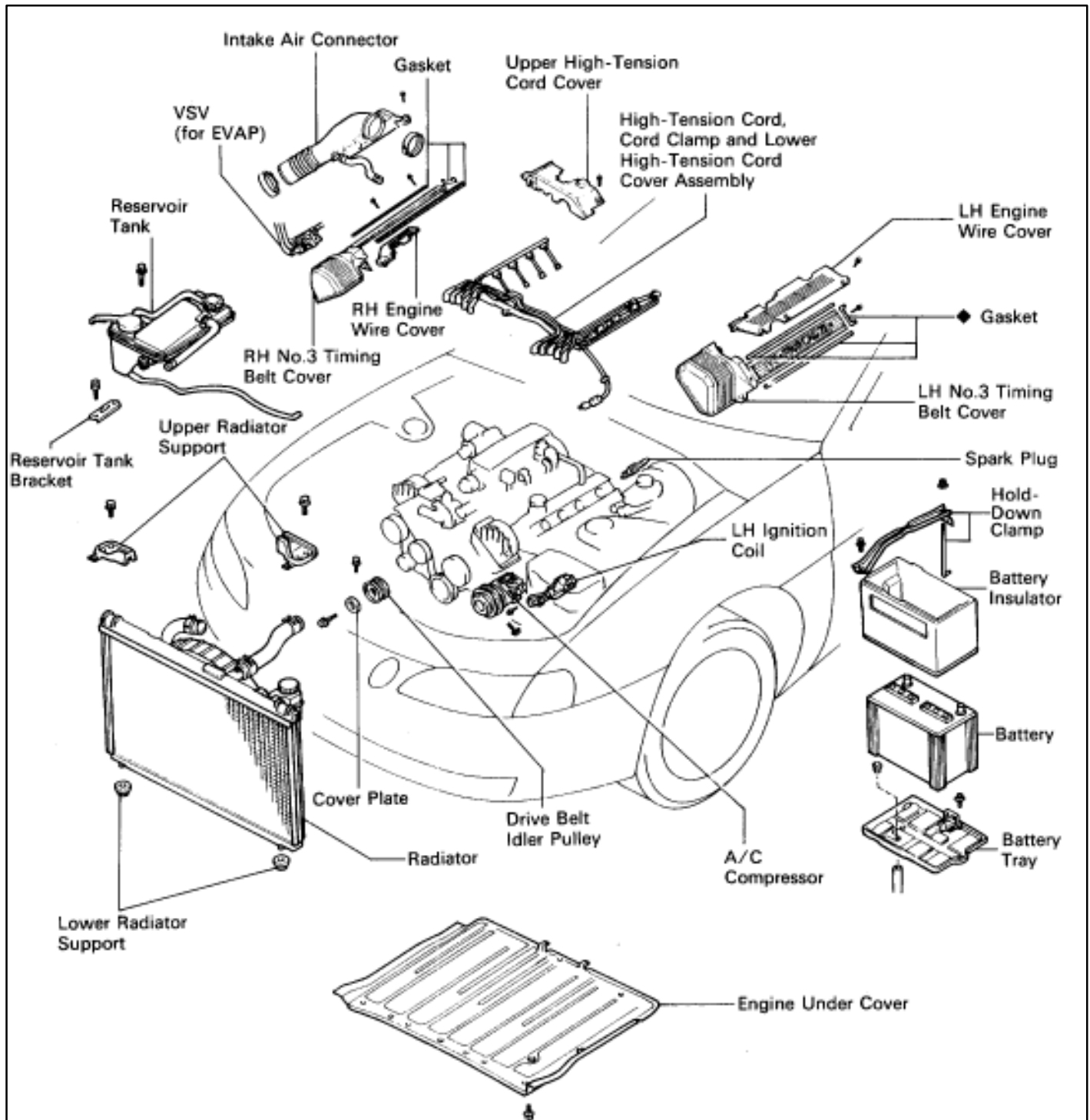
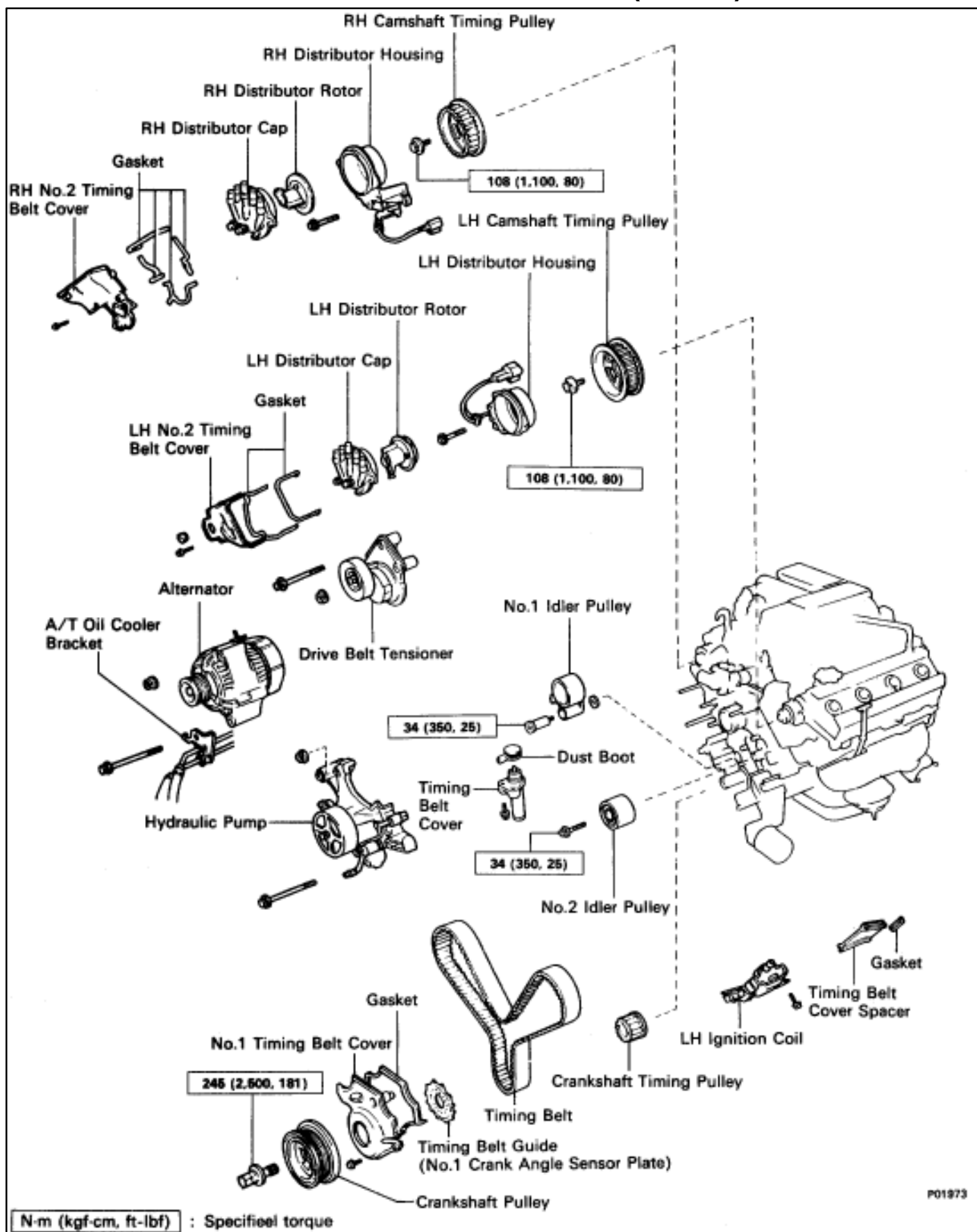
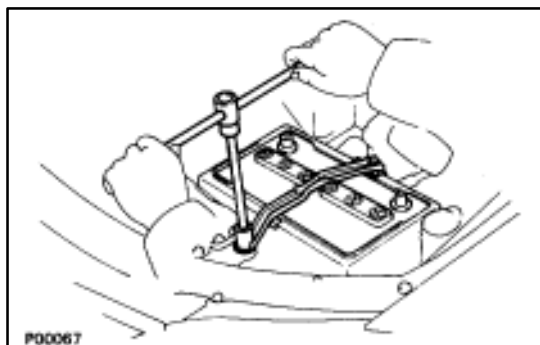


# 



## COMPONENTS FOR REMOVAL AND INSTALLATION (Cont'd)





## REMOVAL OF TIMING BELT

(See Components on pages [EM-33](#) and 34)

### 1. REMOVE BATTERY

**CAUTION:** Work must be started after approx. 20 seconds or longer from the time the ignition switch is turned to the "LOCK" position and the negative (-) terminal cable is disconnected from the battery.

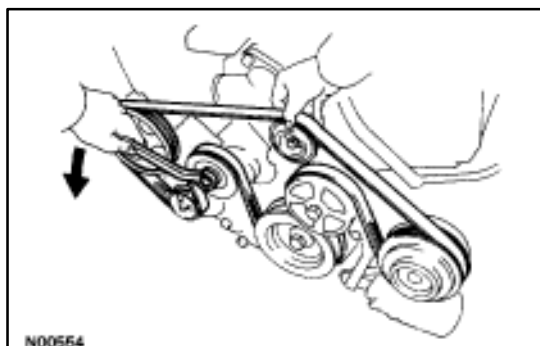
### 2. REMOVE ENGINE UNDER COVER

### 3. DRAIN ENGINE COOLANT (See page [CO-6](#))

### 4. REMOVE DRIVE BELT

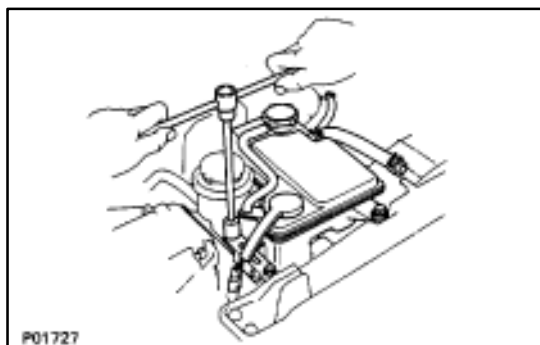
Loosen the drive belt tension by turning the drive belt tensioner counterclockwise, and remove the drive belt.

**HINT:** The pulley bolt for the belt tensioner has a left-hand thread.



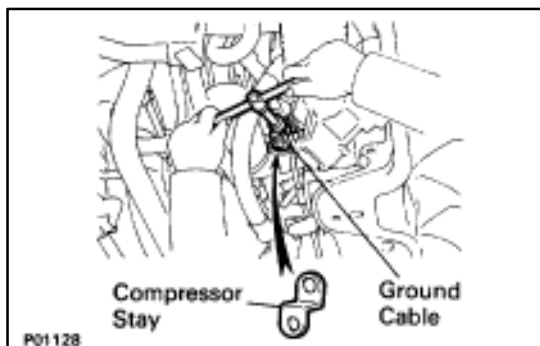
### 5. REMOVE RESERVOIR TANK RADIATOR

(See steps 12 and 13 on pages [EM-120](#) and 121)



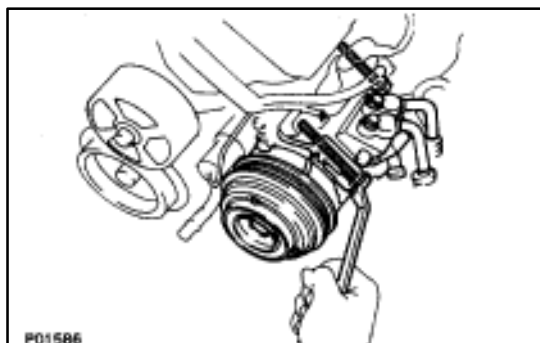
### 6. REMOVE A/C COMPRESSOR WITHOUT DISCONNECTING HOSES

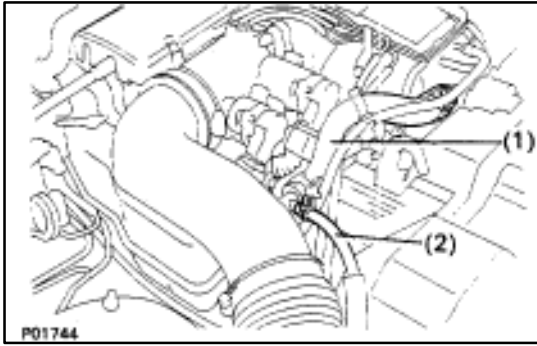
- Disconnect the compressor connector.
- Remove the mounting nut, and disconnect the ground cable.
- Remove the mounting bolt and compressor stay.



- Remove the two bolts, and disconnect the A/C compressor from the engine.

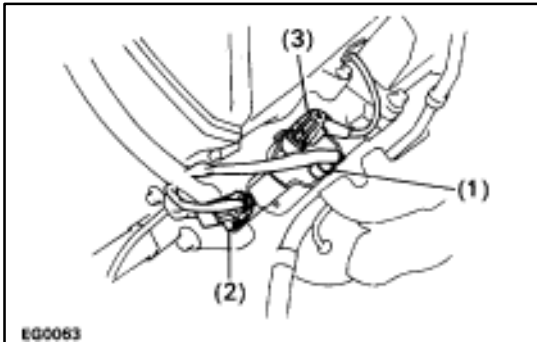
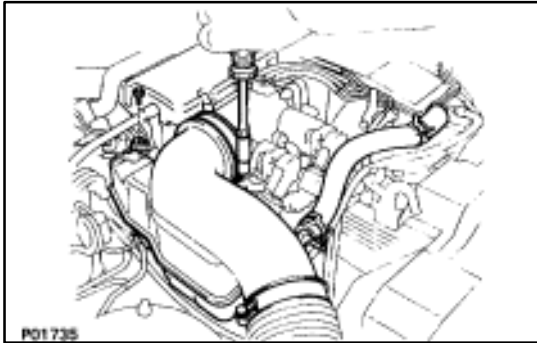
**HINT:** Put aside the compressor, and suspend it.





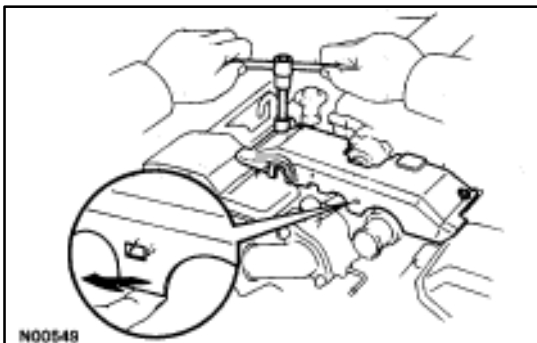
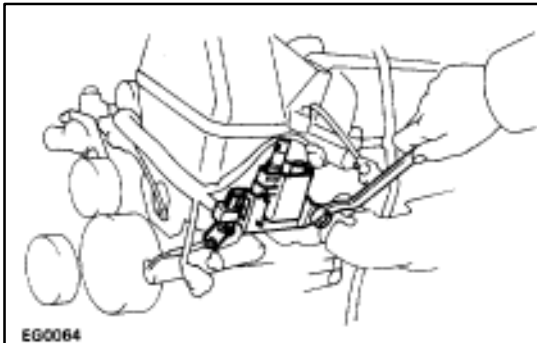
## 7. REMOVE INTAKE AIR CONNECTOR

- (a) Disconnect the following hoses:
  - (1) Air hose from ISC valve
  - (2) Air hose (from PS air control valve) from intake air connector
- (b) Remove the bolt holding the intake air connector to the cylinder head cover.
- (c) Loosen the two hose clamps.
- (d) Disconnect the intake air connector from the throttle body and air cleaner hose, and remove the throttle body.



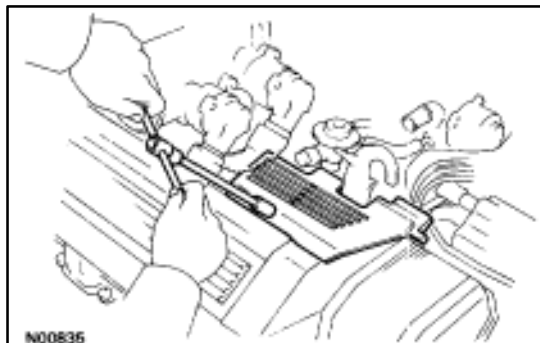
## 8. REMOVE LH IGNITION COIL

- (a) Disconnect the following connectors and cord:
  - (1) Ignition coil connector
  - (2) Noise filter connector
  - (3) High-tension cord
- (b) Remove the two bolts and ignition coil.

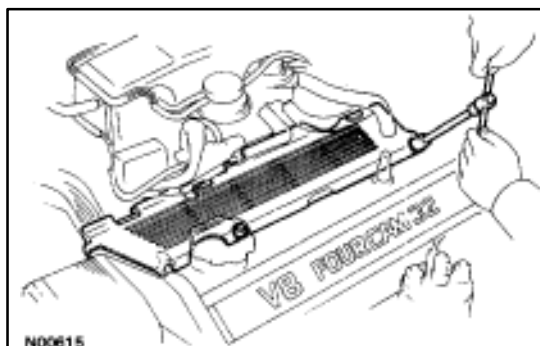


## 9. REMOVE UPPER HIGH-TENSION CORD COVER

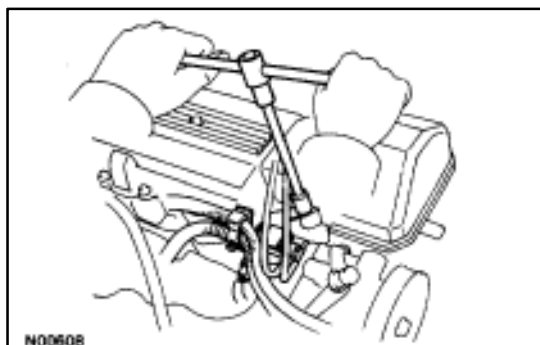
- (a) Remove the two mounting bolts.
- (b) Disconnect the front side claw groove of the cord cover from the claw of the lower cover, and remove the cord cover.

**10. REMOVE RH ENGINE WIRE COVER**

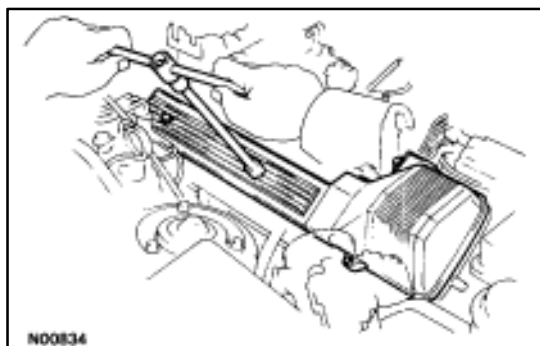
Remove the bolt and engine wire cover.

**11. REMOVE LH ENGINE WIRE COVER**

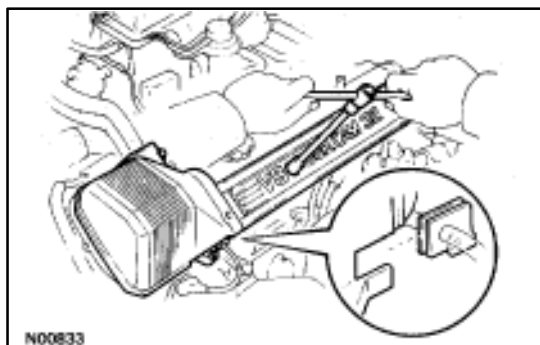
Remove the two bolts and engine wire cover.

**12. REMOVE VSV FOR EVAP SYSTEM**

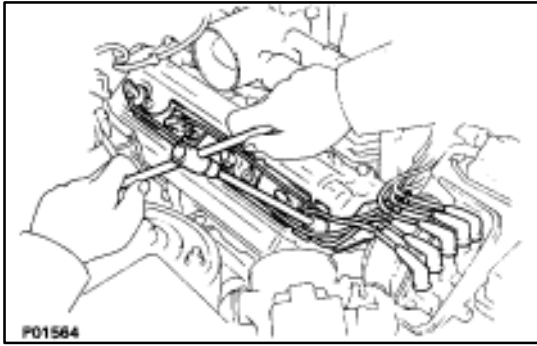
Remove the two bolts, and disconnect the VSV from cylinder head and timing belt cover.

**13. REMOVE NO.3 TIMING BELT COVER**

Remove the three bolts and timing belt cover.

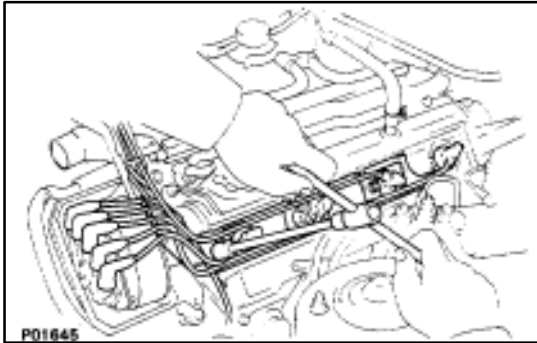
**14. REMOVE LH NO.3 TIMING BELT COVER**

- (a) Remove the four mounting bolts.
- (b) Disconnect the cord grommet from the timing belt cover, and remove the timing belt cover.
- (c) Remove the cord grommet from the high-tension cord.

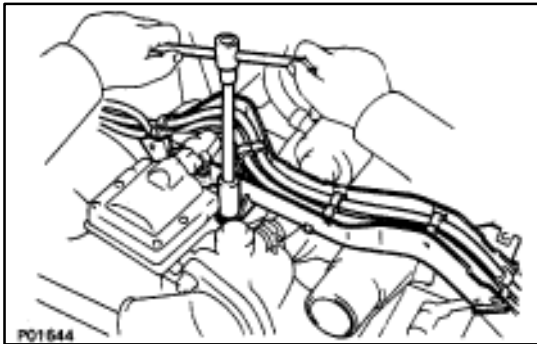


### 15. REMOVE HIGH-TENSION CORDS, HIGH-TENSION CORD CLAMPS AND LOWER HIGH-TENSION CORD COVER ASSEMBLY

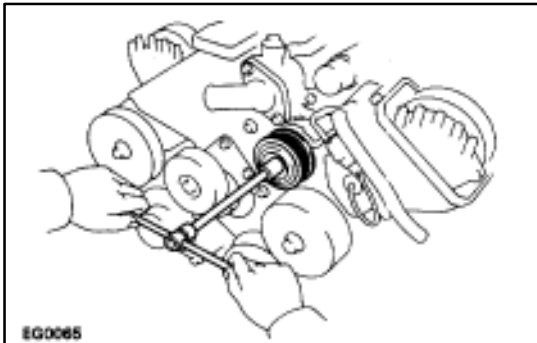
- (a) Remove the two bolts holding the RH rear high-tension cord clamp to the cylinder head.
- (b) Disconnect the high-tension cords from the RH spark plugs and distributor cap.



- (c) Remove the two bolts holding the LH rear high-tension cord clamp to the cylinder head.
- (d) Disconnect the high-tension cords from the LH spark plugs, distributor cap and LH ignition coil.

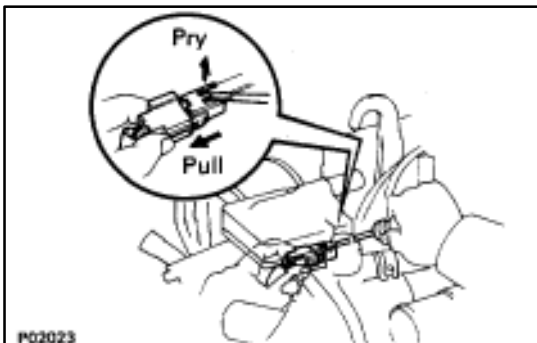


- (e) Remove the bolt holding the lower high-tension cord cover to the water inlet housing.
- (f) Disconnect the high-tension cord from the RH ignition coil, and remove the high-tension cords, clamps and cover assembly.



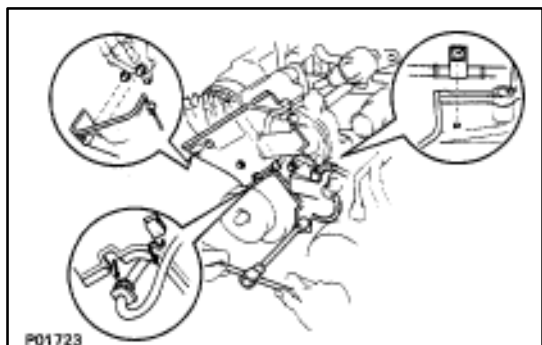
### 16. REMOVE DRIVE BELT IDLER PULLEY

Remove the pulley bolt, cover plate and idler pulley.

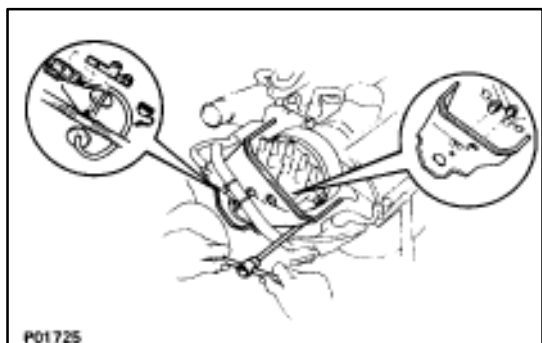


### 17. REMOVE RH NO.2 TIMING BELT COVER

- (a) Disconnect the cam position sensor connector from the ignition coil bracket.

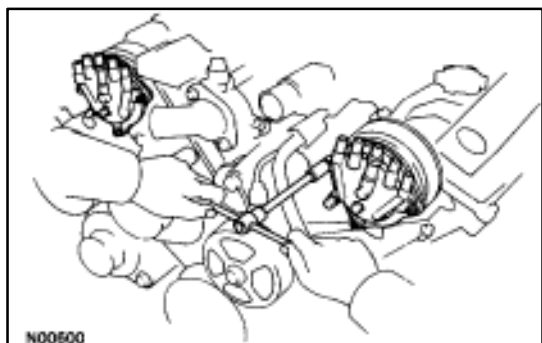


- (b) Disconnect the cam position sensor wire from the clamp on the timing belt cover.
- (c) Remove the five mounting bolts.
- (d) Disconnect the connector grommet from the timing belt cover.
- (e) Disconnect the wire clamp from the timing belt cover, and remove the timing belt cover and four gaskets.



#### 18. REMOVE LH NO.2 TIMING BELT COVER

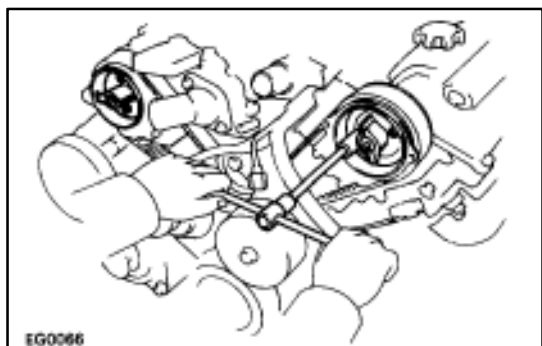
- (a) Disconnect the cam position sensor wire from the clamp on the timing belt cover.
- (b) Disconnect the cam position sensor connector.
- (c) Remove the three mounting bolts.
- (d) Disconnect the connector grommet from the timing belt cover, and remove the timing belt cover and two gaskets.



#### 19. REMOVE DISTRIBUTOR CAPS

Loosen the three bolts, and remove the distributor cap. Remove the two distributor caps.

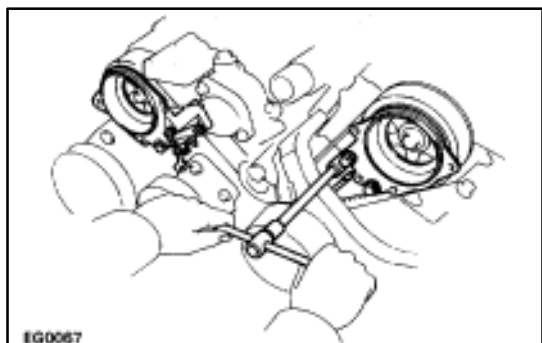
HINT: Arrange the distributor caps (RH side and LH side).



#### 20. REMOVE DISTRIBUTOR ROTORS

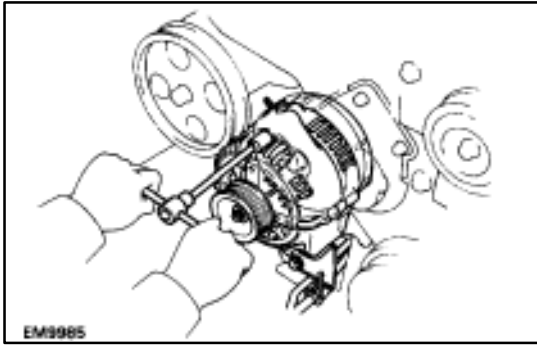
Loosen the two bolts, and remove the distributor rotor. Remove the two distributor rotors.

HINT: Arrange the distributor rotors (RH side and LH side).

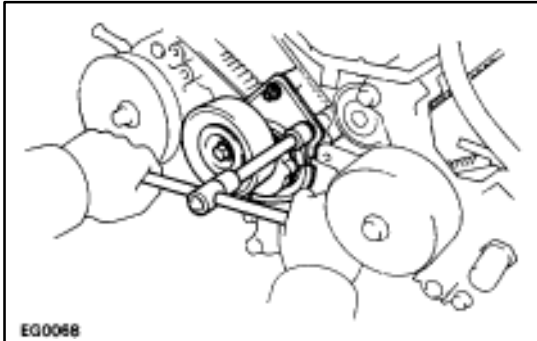


#### 21. REMOVE DISTRIBUTOR HOUSINGS

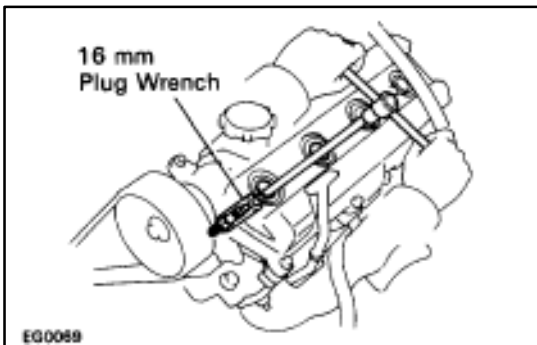
- (a) (RH Distributor Housing)  
Disconnect the cam position sensor connector.
- (b) Remove the three bolts and distributor housing. Remove the two distributor housings.

**22. REMOVE ALTERNATOR**

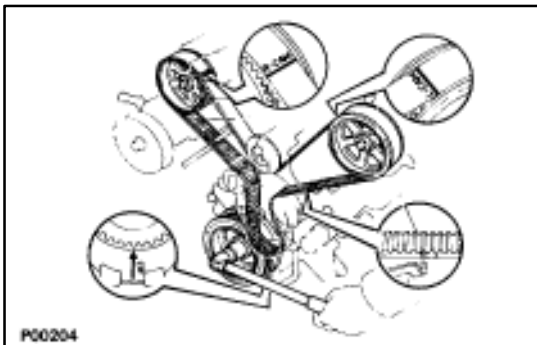
- (a) Disconnect the alternator connector.
- (b) Remove the cap and nut, and disconnect the alternator wire.
- (c) Remove the bolt, and disconnect the A/T oil cooler pipe bracket.
- (d) Remove the nut and alternator.

**23. REMOVE DRIVE BELT TENSIONER**

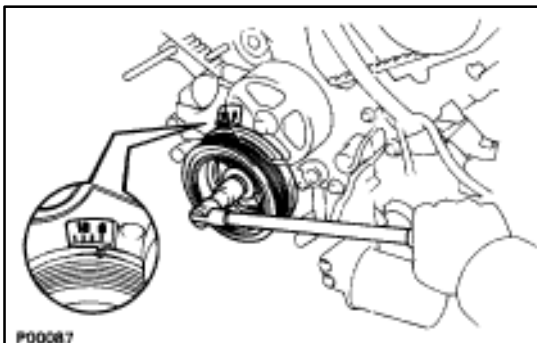
Remove the bolt, two nuts and tensioner.

**24. REMOVE SPARK PLUGS**

Using a 16 mm plug wrench, remove the eight spark plugs.

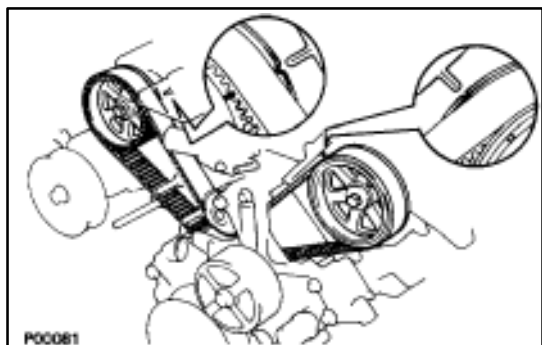
**25. IF RE-USING TIMING BELT, CHECK INSTALLATION MARKS ON TIMING BELT**

Check that there are four installation marks on the timing belt by turning the crankshaft pulley as shown in the illustration. If the installation marks have disappeared, place a new installation mark on the timing belt before removing each part.

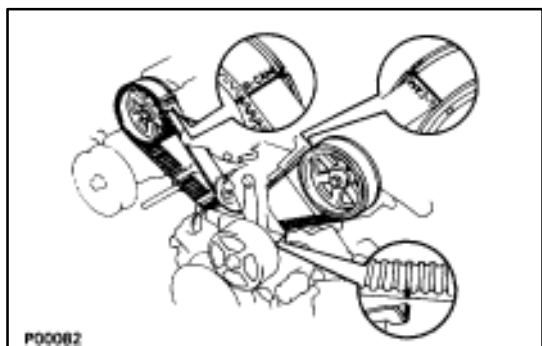
**26. SET NO.1 CYLINDER TO TDC/COMPRESSION**

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





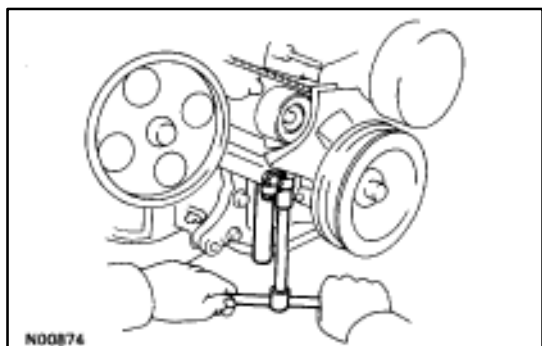
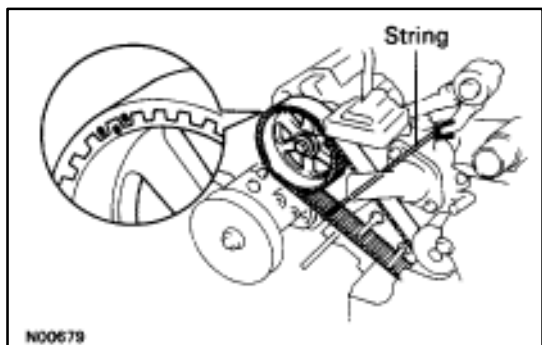
- (b) Check that the timing marks of the camshaft timing pulleys and timing belt rear plates aligned.  
If not, turn the crankshaft one revolution (360°).



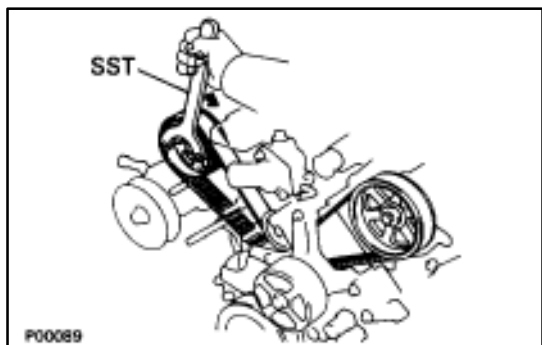
## 27. REMOVE TIMING BELT TENSIONER

### HINT:

- (Re-using timing belt)  
If the installation marks have disappeared, before removing the timing belt, place new installation marks on the timing belt to match the timing marks of the camshaft timing pulleys, and place a new installation mark on the timing belt to match the end of the hydraulic pump.
- (When replacing timing belt tensioner only)  
To avoid meshing of the timing pulley and timing belt, secure one of them with string. And place matchmarks on the timing belt and RH camshaft timing pulley.



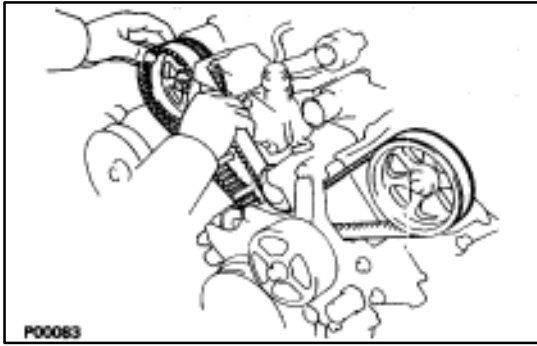
Alternately loosen the two bolts, and remove them, the tensioner and dust boot.



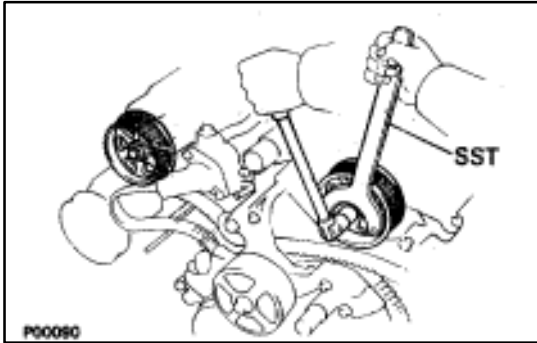
## 28. DISCONNECT TIMING BELT FROM CAMSHAFT TIMING PULLEYS

- (a) Using SST, loosen the tension between the LH and RH camshaft timing pulleys by slightly turning the LH camshaft timing pulley clockwise.

SST 09278-54012



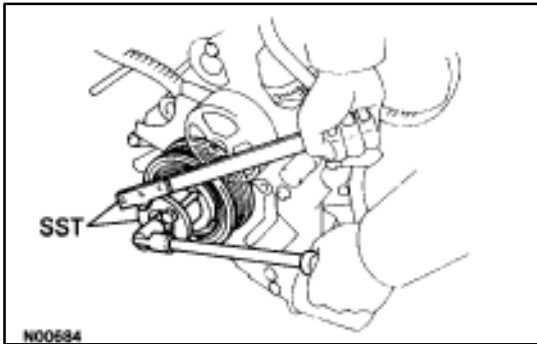
- (b) Disconnect the timing belt from the camshaft timing pulleys.



## 29. REMOVE CAMSHAFT TIMING PULLEYS

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

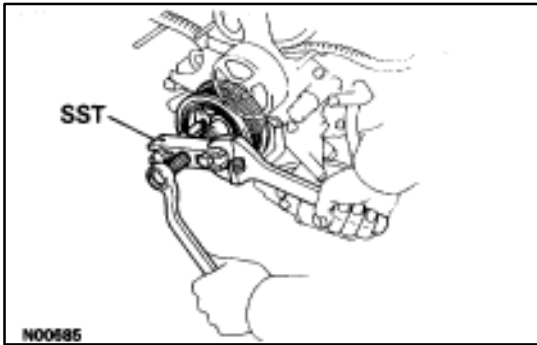
SST 09278-54012



## 30. REMOVE CRANKSHAFT PULLEY

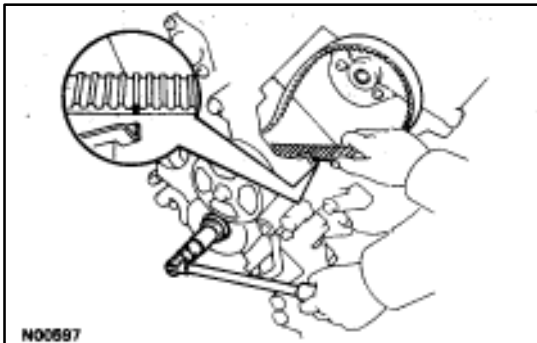
- (a) Using SST, remove the pulley bolt.

SST 90213-70010 and 09330-00021



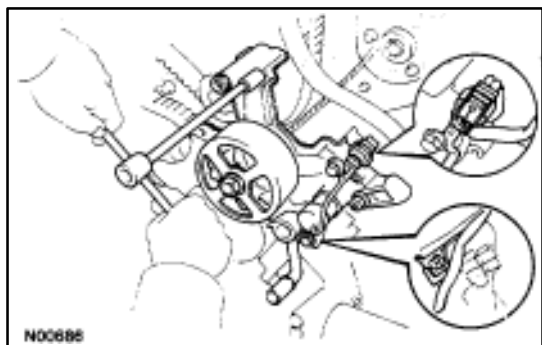
- (b) Using SST, remove the pulley.

SST 09213-31021

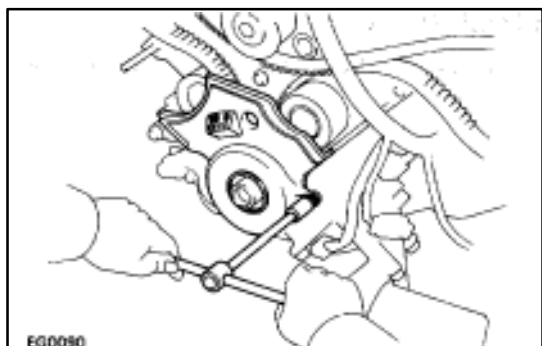


## 31. REMOVE HYDRAULIC PUMP

**HINT (Re-using timing belt):** Before removing the hydraulic pump, using the crankshaft pulley bolt, turn the crankshaft pulley and align the installation mark of the timing belt with the end of the hydraulic pump.

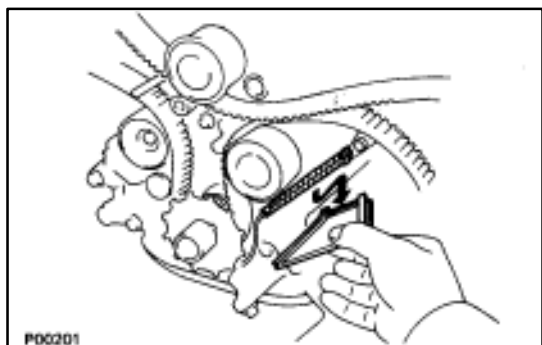


- (a) Disconnect the solenoid valve connector.
- (b) Remove the two mounting bolts and two mounting nuts.
- (c) Disconnect the engine speed sensor wire clamp.
- (d) Remove the hydraulic pump.



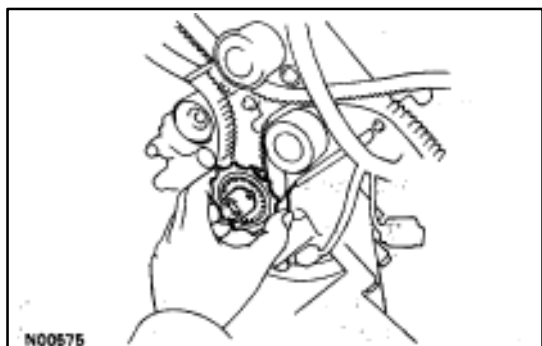
### 32. REMOVE NO.1 TIMING BELT COVER

Remove the four bolts, timing belt cover and gasket.

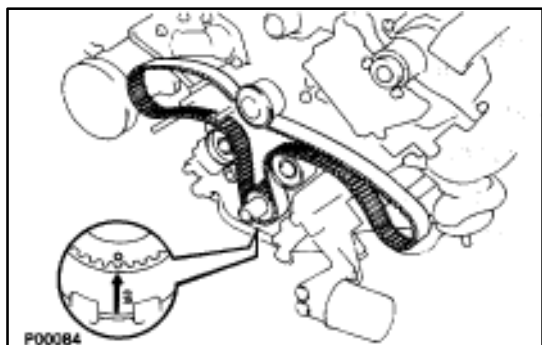


### 33. REMOVE TIMING BELT COVER SPACER

Remove the cover spacer and gasket.

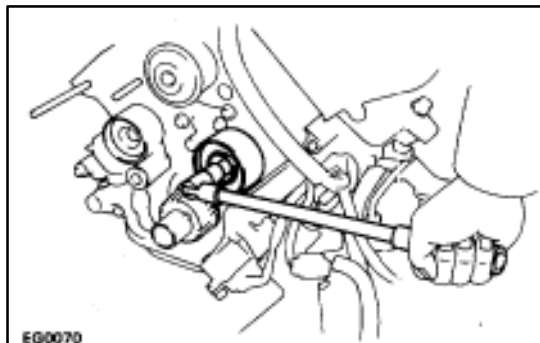


### 34. REMOVE TIMING BELT GUIDE (NO.1 CRANK ANGLE SENSOR PLATE)



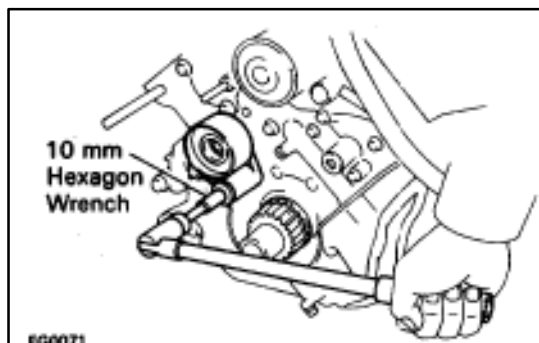
### 35. REMOVE TIMING BELT

**HINT (Re-using timing belt):** If the installation marks have disappeared, place a new installation mark on the timing belt to match the dot mark of the crankshaft timing pulley.



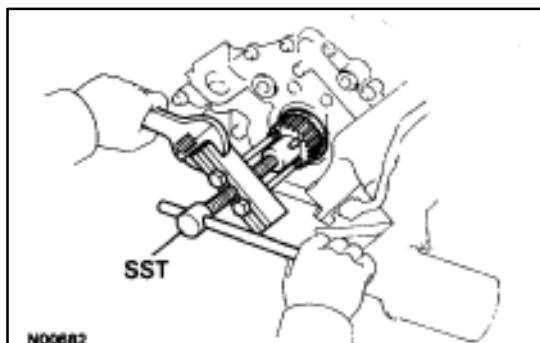
### 36. REMOVE NO.2 IDLER PULLEY

Remove the pulley bolt and idler pulley.



### 37. REMOVE NO.1 IDLER PULLEY

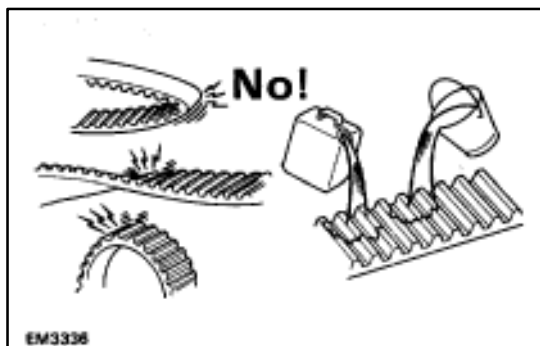
Using a 10 mm hexagon wrench, remove the bolt, idler pulley and plate washer.



### 38. REMOVE CRANKSHAFT TIMING PULLEY

Using SST, remove the timing pulley.

SST 09213-60017 (09213-00050)



## INSPECTION OF TIMING BELT COMPONENTS

### 1. INSPECT TIMING BELT

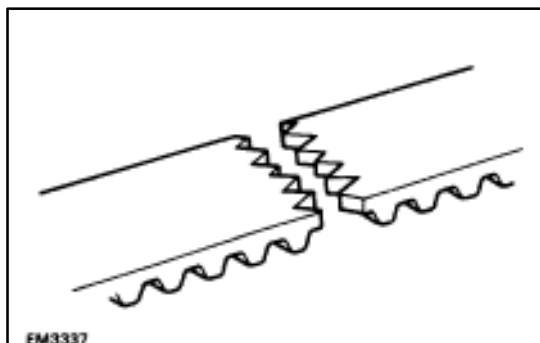
#### NOTICE:

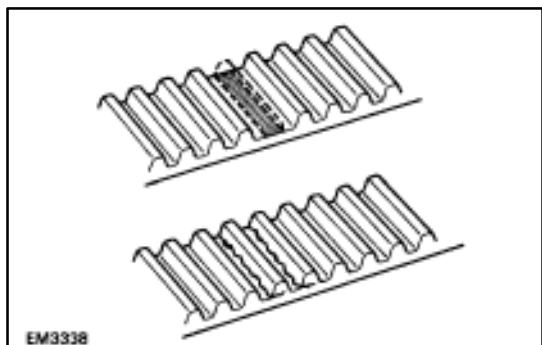
- Do not bend, twist or turn the timing belt inside out.
- Do not allow the timing belt to come into contact with oil, water or steam.
- Do not utilize timing belt tension when installing or removing the mounting bolt of the camshaft timing pulley.

If there are any defects as shown in the illustrations, check the following points:

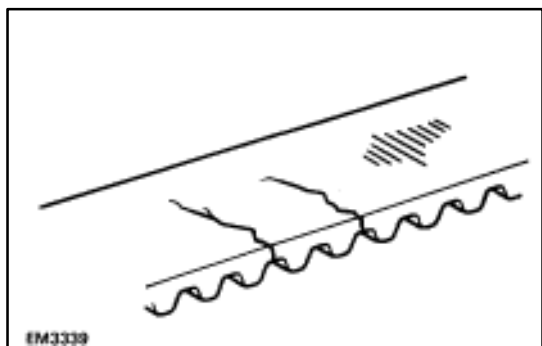
#### (a) Premature parting

- Check for proper installation.
- Check the timing cover gasket for damage and proper installation.

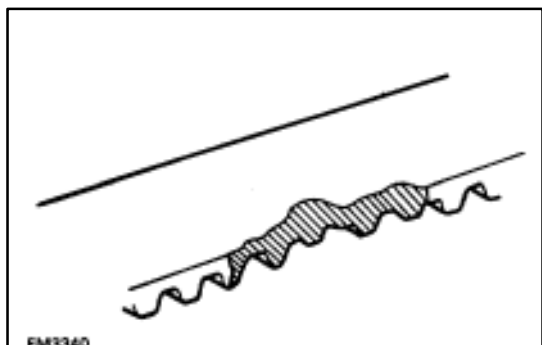




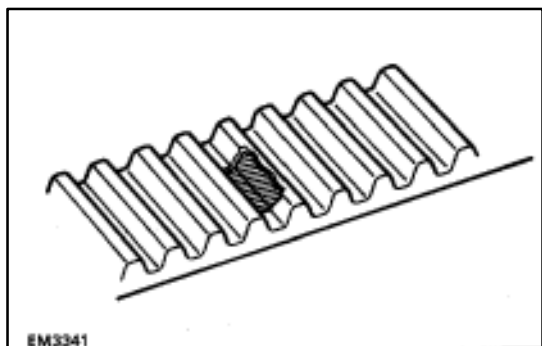
- (b) If the belt teeth are cracked or damaged, check to see if either the camshaft is locked.



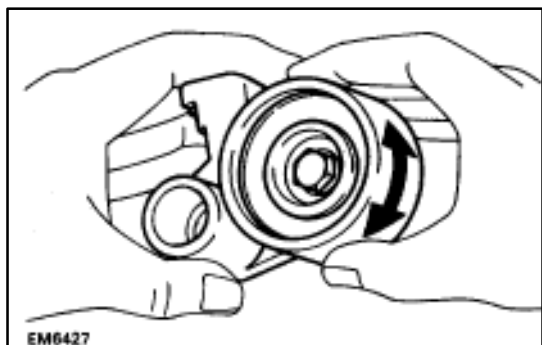
- (c) If there is noticeable wear or cracks on the belt face, check to see if there are nicks on the side of the idler pulley lock and water pump.



- (d) If there is wear or damage on only one side of the belt, check the belt guide and the alignment of the each pulley.

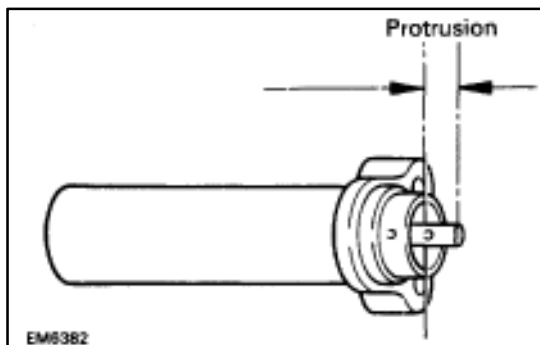
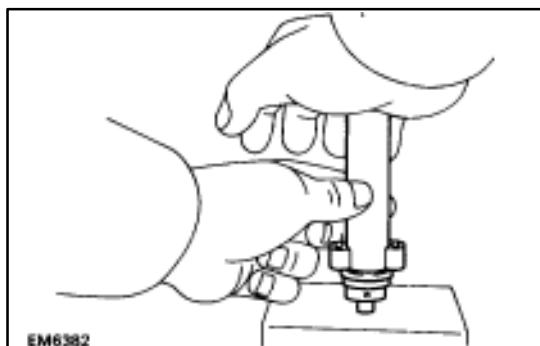
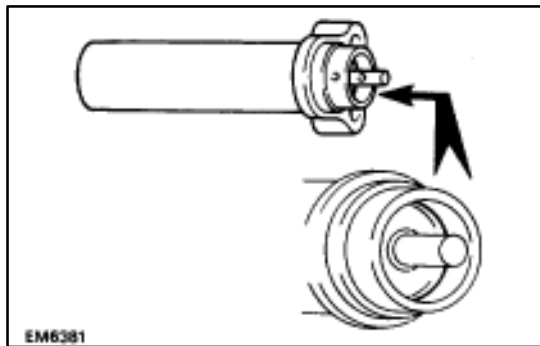


- (e) If there is noticeable wear on the belt teeth, check timing belt cover for damage, correct gasket installation. and the foreign material on the pulley teeth.  
If necessary, replace the timing belt.



## 2. INSPECT IDLER PULLEYS

Check the turning smoothness of the idler pulley.  
If necessary, replace the idler pulley.



### 3. INSPECT TIMING BELT TENSIONER

(a) Visually check tensioner for oil leakage.

HINT: If there is only the faintest trace of oil on the seal on the push rod side, the tensioner is all right.

If leakage is found, replace the tensioner.

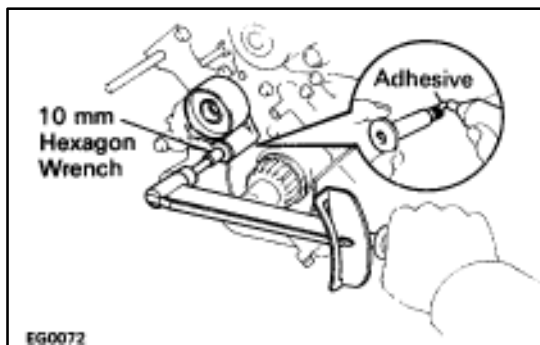
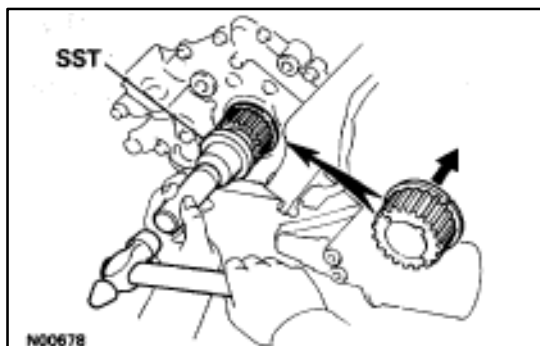
(b) Hold the tensioner in both hands and push the push rod strongly against the floor or wall to check that it doesn't move.

If the push rod moves, replace the tensioner.

(c) Measure the protrusion of the push rod from the housing end.

**Protrusion: 10.5–11.5 mm (0.413–0.453 in.)**

If the protrusion is not as specified, replace the tensioner.



## INSTALLATION OF TIMING BELT

(See Components pages [EM-33](#) and [34](#))

### 1. INSTALL CRANKSHAFT TIMING PULLEY

(a) Align the pulley set key on the crankshaft with the key groove of the timing pulley.

(b) Using SST and a hammer, tap in the timing pulley, facing the flange side rearward.

SST 09223-46011

### 2. INSTALL NO. 1 IDLER PULLEY

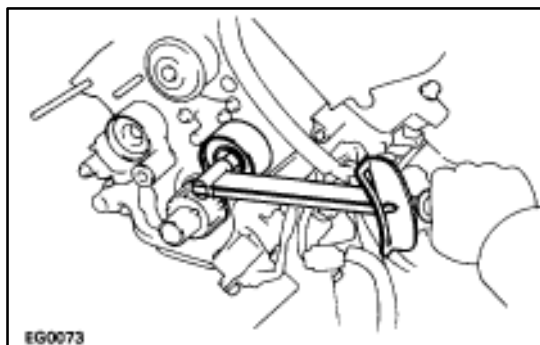
(a) Apply adhesive to two or three threads of the pulley bolt end.

**Adhesive: Part No. 08833-00080, THREE BOND 1344, LOCTITE 242 OR equivalent**

(b) Using a 10 mm hexagon wrench, install the plate washer and idler pulley with the pulley bolt. Torque the pulley bolt.

**Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)**

(c) Check that the pulley bracket moves smoothly.

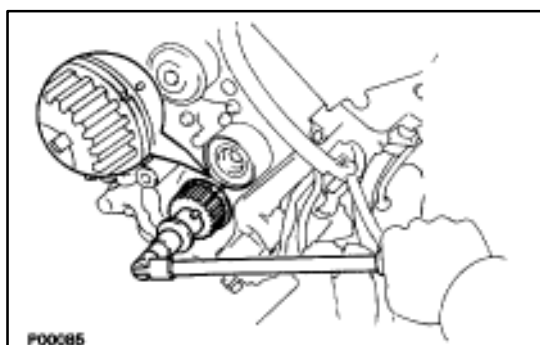


### 3. INSTALL NO. 2 IDLER PULLEY

- (a) Install the idler pulley with the pulley bolt. Torque the pulley bolt.

**Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)**

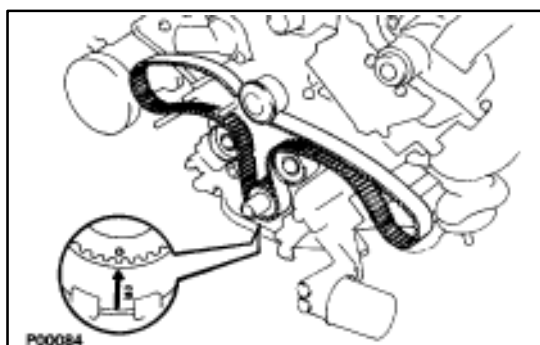
- (b) Check that the idler pulley moves smoothly.



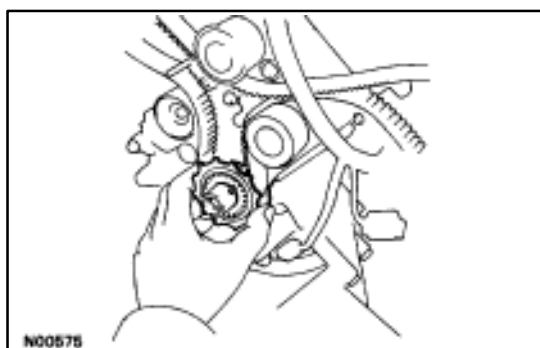
### 4. TEMPORARILY INSTALL TIMING BELT

**NOTICE: The engine should be cold.**

- (a) Using the crankshaft pulley bolt, turn the crankshaft and align the timing marks of the crankshaft timing pulley and oil pump body.
- (b) Remove any oil or water on the crankshaft timing pulley, No. 1 idler pulley and No. 2 idler pulley, and keep them clean.

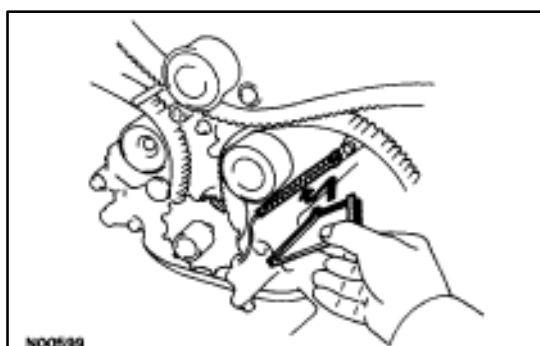


- (c) Align the installation mark on the timing belt with the dot mark of the crankshaft timing pulley.
- (d) Install the timing belt on the crankshaft timing pulley, No. 1 idler pulley and No. 2 idler pulley.



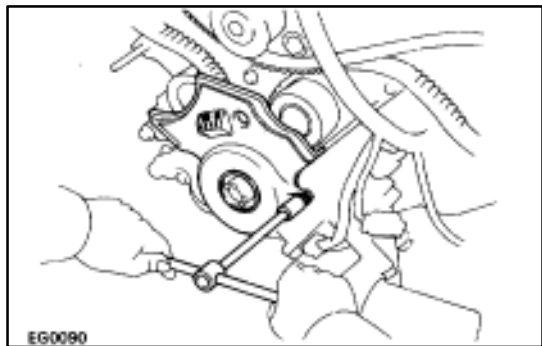
### 5. INSTALL TIMING BELT GUIDE (NO. 1 CRANK ANGLE SENSOR PLATE)

Install the belt guide, facing the cup side forward.



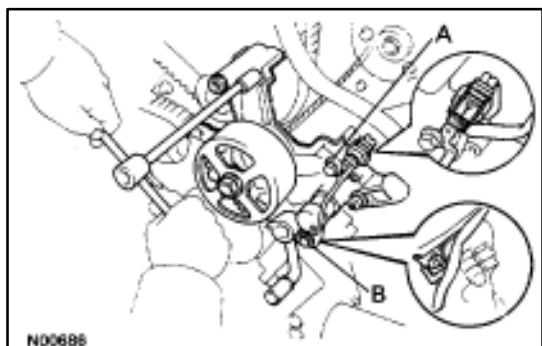
### 6. INSTALL TIMING BELT COVER SPACER

- (a) Install the gasket to the spacer.
- (b) Install the spacer.



## 7. INSTALL NO.1 TIMING BELT COVER

- Install the gasket to the timing belt cover.
- Install the timing belt cover with the four bolts.



## 8. INSTALL HYDRAULIC PUMP

- Install the hydraulic pump and solenoid valve connector clamp and engine speed sensor wire clamp with the two bolts and two nuts.

### Torque:

**12 mm heads 16 N·m (160 kgf·cm, 12 ft·lbf)**

**Others 30 N·m (310 kgf·cm, 22 ft·lbf)**

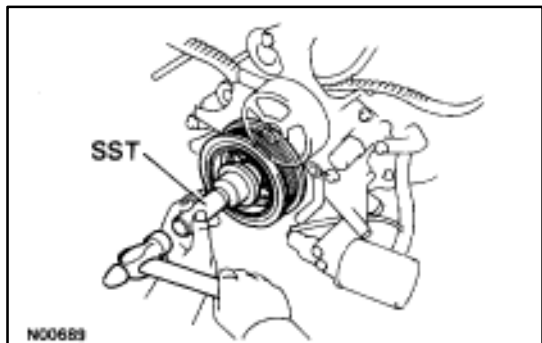
HINT: Each bolt length is indicated in the illustration.

Bolt length:

A 106 mm (4.17 in.) for 12 mm head

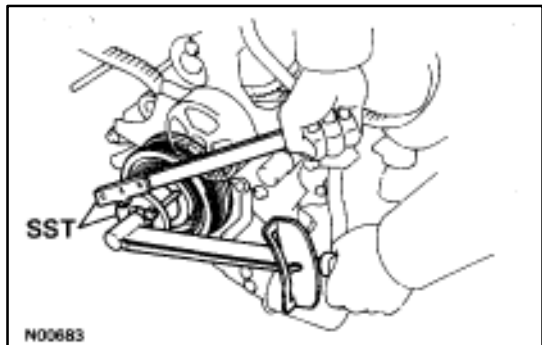
B 114 mm (4.49 in.) for 14 mm head

- Connect the solenoid valve connector.



## 9. INSTALL CRANKSHAFT PULLEY

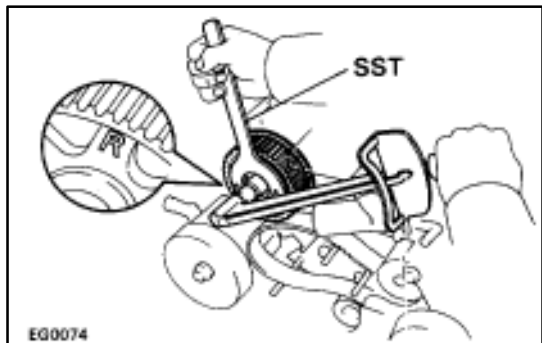
- Align the pulley set key on the crankshaft with the key groove of the pulley.
- Using SST and a hammer, tap in the pulley.  
SST 09223-46011



- Using SST, install and torque the pulley bolt.

SST 09213-70010 and 09330-00021

**Torque: 245 N·m (2,500 kgf·cm, 181 ft·lbf)**



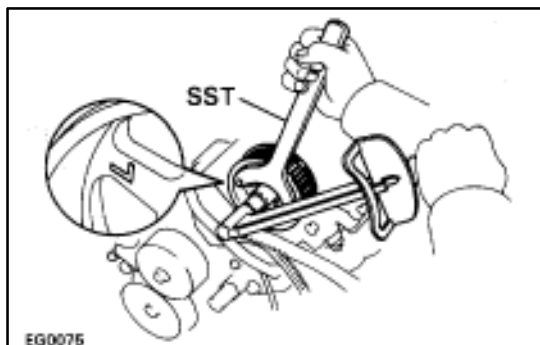
## 10. INSTALL RH CAMSHAFT TIMING PULLEY

- Align the knock pin on the camshaft with the knock pin groove of the timing pulley.
- Slide the timing pulley, facing the "R" mark forward.
- Using SST, install and torque the pulley bolt.

SST 09278-54012

**Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)**



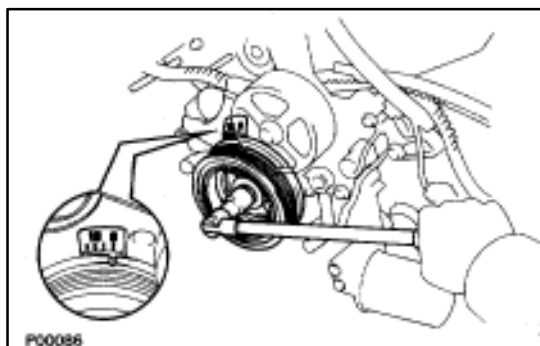


### 11. INSTALL LH CAMSHAFT TIMING PULLEY

- (a) Align the knock pin on the camshaft with the knock pin groove of the timing pulley.
- (b) Slide the timing pulley, facing the "L" mark forward.
- (c) Using SST, install and torque the pulley bolt.

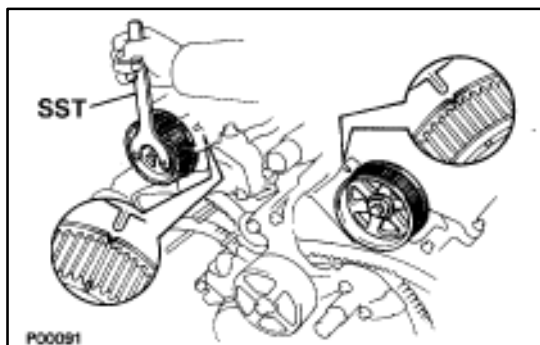
SST 09278-54012

**Torque: 108 N·m (1,100 kgf·cm, 80 ft·lbf)**



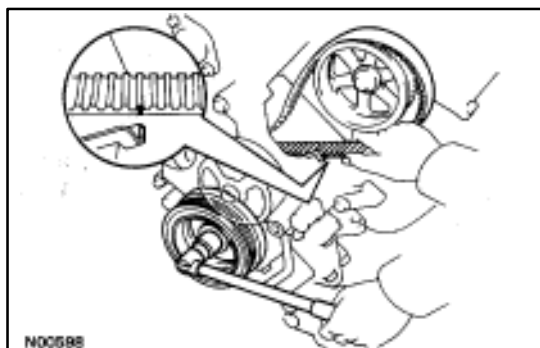
### 12. SET NO.1 CYLINDER TO TDC/COMPRESSION

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



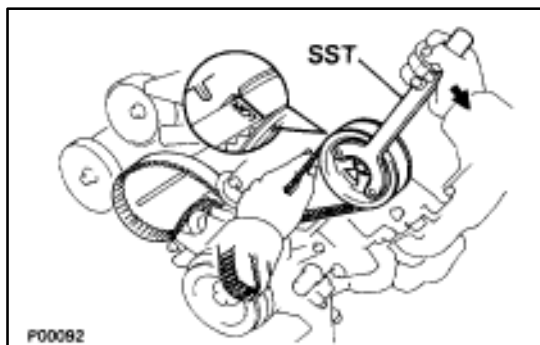
- (b) (Camshaft Timing Pulley Position)  
Using SST, turn the camshaft timing pulley, and align the timing marks of the camshaft timing pulley and timing belt rear plate.

SST 09278-54012



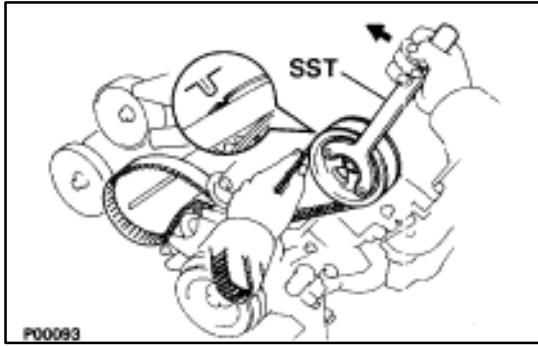
### 13. INSTALL TIMING BELT TO LH CAMSHAFT TIMING PULLEY

- (a) Align the installation mark on the timing belt with the end of the hydraulic pump.



- (b) Remove any oil or water on the LH camshaft timing pulley, and keep it clean.
- (c) Using SST, slightly turn the LH camshaft timing pulley clockwise. Align the installation mark on the timing belt with the timing mark of the camshaft timing pulley, and hang the timing belt on the LH camshaft timing pulley.

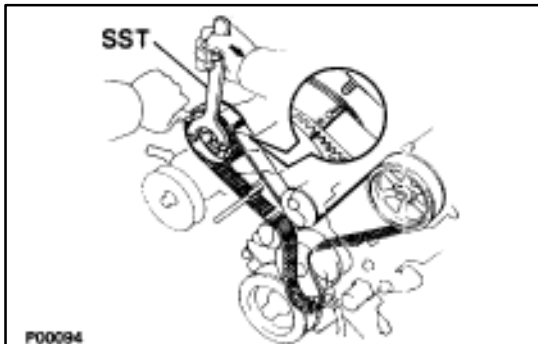
SST 09278-54012



- (d) Using SST, align the timing marks of the LH camshaft pulley and timing belt rear plate.

SST 09278-54012

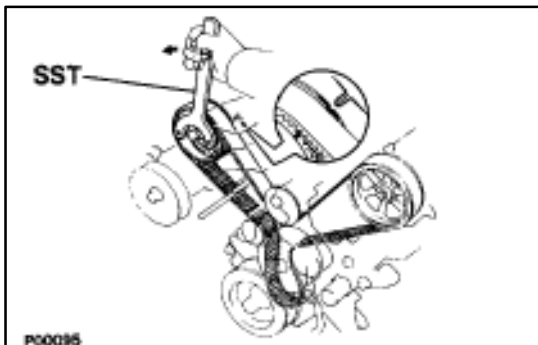
- (e) Check that the timing belt has tension between the crankshaft timing pulley and LH camshaft timing pulley.



#### 14. INSTALL TIMING BELT TO RH CAMSHAFT TIMING PULLEY

- (a) Remove any oil or water on the RH camshaft timing and water pump pulley, and keep them clean.
- (b) Using SST, slightly turn the RH camshaft timing pulley clockwise. Align the installation mark on the timing belt with the timing mark of the camshaft timing pulley, and hang the timing belt on the RH camshaft timing pulley.

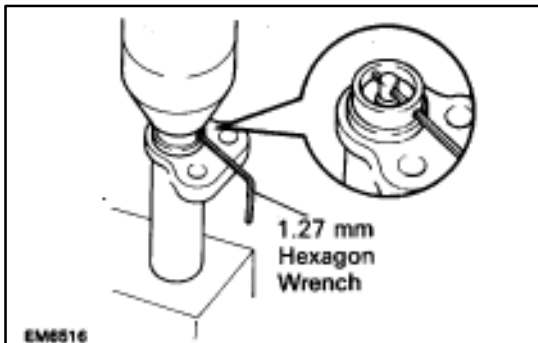
SST 09278-54012



- (c) Using SST, align the timing marks of the RH camshaft pulley and timing belt rear plate.

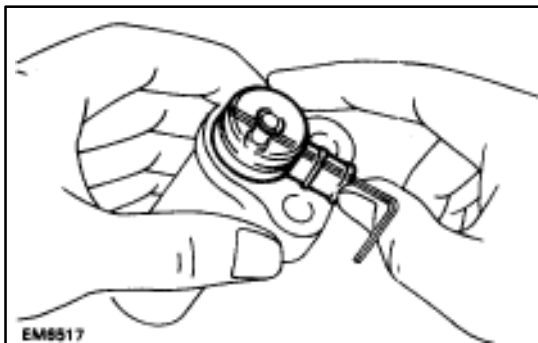
SST 09278-54012

- (d) Check that the timing belt has tension between the RH camshaft timing pulley and LH camshaft timing pulley.

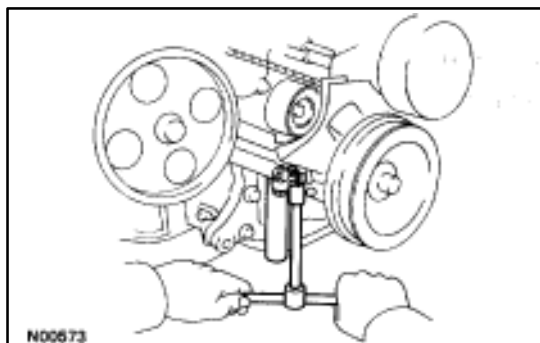


#### 15. SET TIMING BELT TENSIONER

- (a) Using a press, slowly press in the push rod using 981-9,807 N (100-1,000 kgf, 220-2,205 lbf) of pressure.
- (b) Align the holes of the push rod and housing, pass a 1.27 mm hexagon wrench through the holes to keep the setting position of the push rod.
- (c) Release the press.



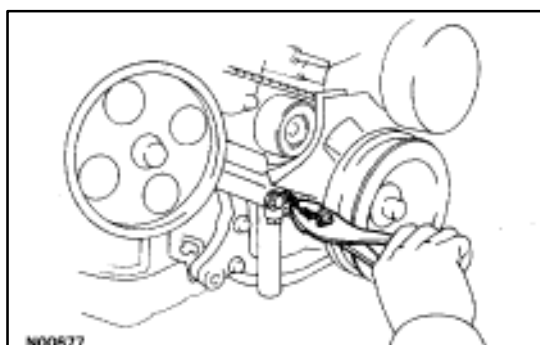
- (d) Install the dust boot to the tensioner.



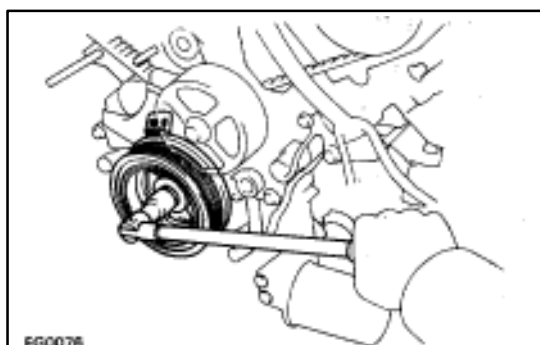
## 16. INSTALL TIMING BELT TENSIONER

- (a) Temporarily install the tensioner with the two bolts.
- (b) Alternately tighten the two bolts.

**Torque: 26 N·m (270 kgf·cm, 20 ft·lbf)**



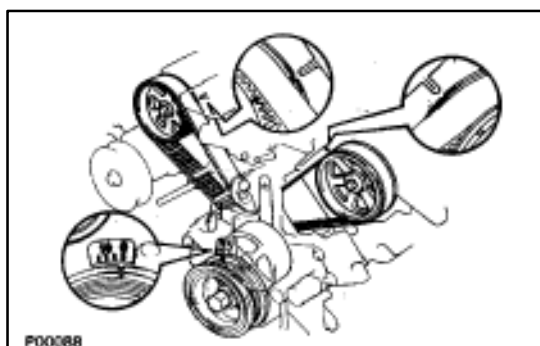
- (c) Using pliers, remove the 1.27 mm hexagon wrench from the tensioner.



## 17. CHECK VALVE TIMING

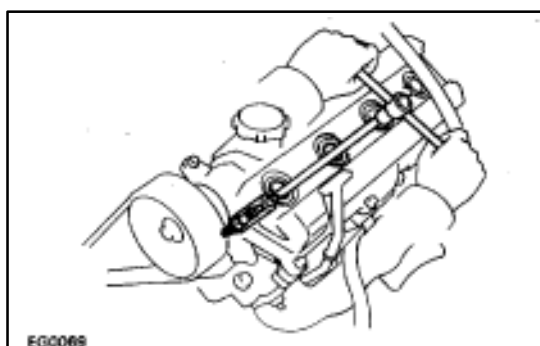
- (a) Turn the crankshaft pulley two revolutions from TDC to TDC.

**NOTICE: Always turn the crankshaft clockwise.**



- (b) Check that each pulley aligns with the timing marks as shown in the figure.

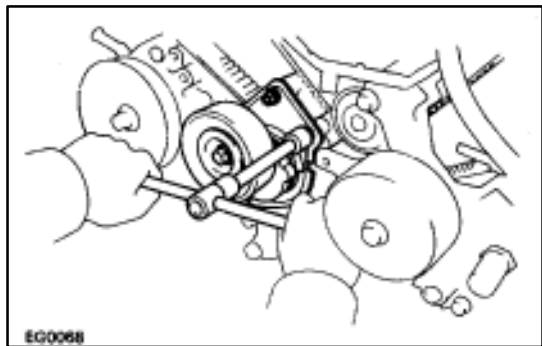
If the marks do not align, remove the timing belt and reinstall it.



## 18. INSTALL SPARK PLUGS

Using a 16 mm plug wrench, install the eight spark plugs.

**Torque: 18 N·m (180 kgf·cm, 13 ft·lbf)**

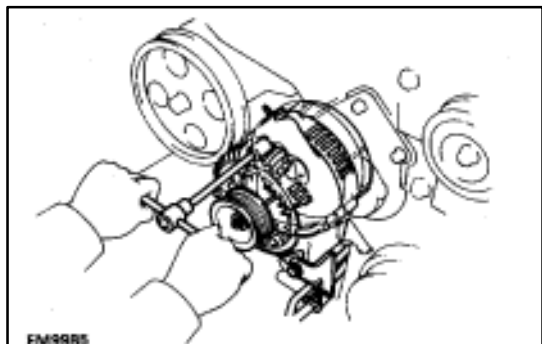


### 19. INSTALL DRIVE BELT TENSIONER

Install the tensioner with the bolt and two nuts.

**Torque: 16 N·m (160 kgf·cm, 12 ft·lbf)**

**HINT:** Use bolt 106 mm (4.17 in.) in length.



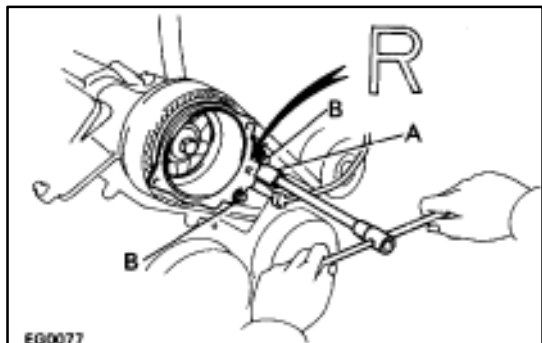
### 20. INSTALL ALTERNATOR

(a) Install the alternator and A/T oil cooler pipe bracket with the bolt and nut.

**Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)**

(b) Connect the alternator connector.

(c) Connect the alternator wire with the nut and cap.



### 21. INSTALL RH DISTRIBUTOR HOUSING

(a) Install the distributor housing with the three bolts.

**Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**

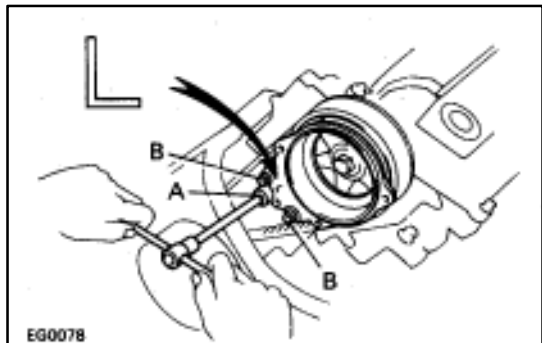
**HINT:**

- The RH distributor housing is marked with "R".
- Each bolt length is indicated in the illustration.

Bolt length: A 38 mm (1.50 in.)

B 96 mm (3.78 in.)

(b) Connect the cam position sensor connector.



### 22. INSTALL LH DISTRIBUTOR HOUSING

(a) Install the distributor housing with the three bolts.

**Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)**

**HINT:**

- The LH distributor housing is marked with "L".
- Each bolt length is indicated in the illustration.

Bolt length: A 38 mm (1.50 in.)

B 80 mm (3.15 in.)

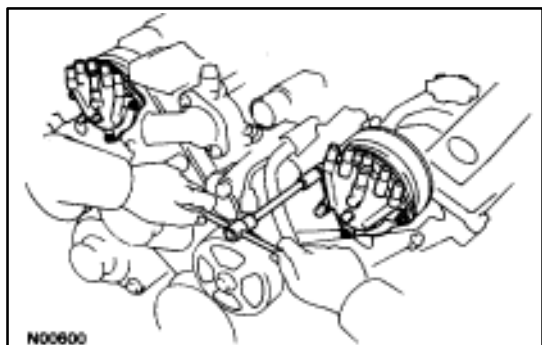


### 23. INSTALL DISTRIBUTOR ROTORS

(a) Align the protrusion of the distributor rotor with the groove of the camshaft timing pulley.

(b) Install the distributor rotor with the two bolts. Install the two distributor rotors.

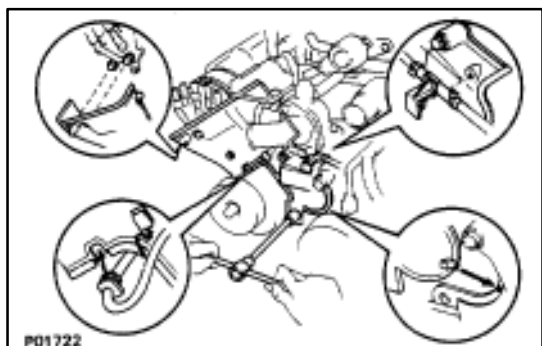
**Torque: 3.8 N·m (39 kgf·cm, 34 in·lbf)**



## 24. INSTALL DISTRIBUTOR CAPS

Install the distributor cap with the three bolts. Install the two distributor caps.

**Torque: 3.8 N·m (39 kgf·cm, 34 in·lbf)**



## 25. INSTALL RH NO.2 TIMING BELT COVER

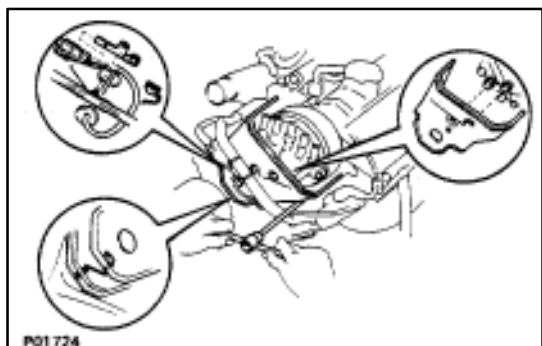
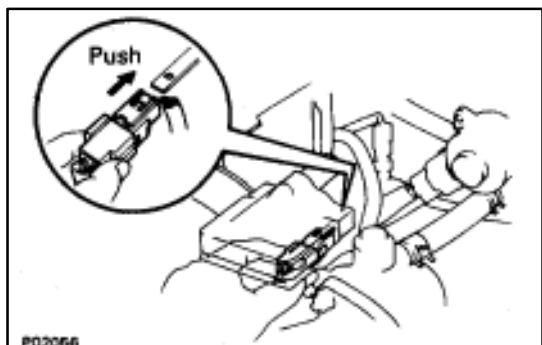
- Install the four gaskets to the timing belt cover.
- Install the connector grommet to the timing belt cover.
- Install the timing belt cover with the five bolts.

**Torque (12 mm head bolt):**

**16 N·m (160 kgf·cm, 12 ft·lbf)**

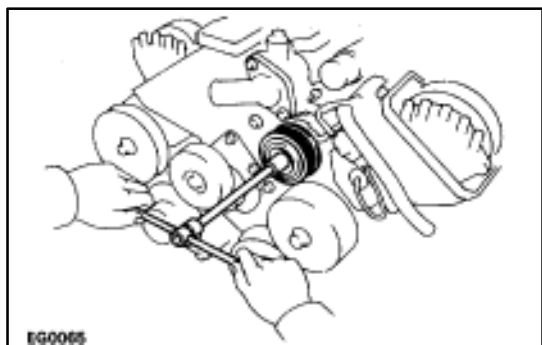
**HINT (12 mm head bolt):** Use bolts 106 mm (4.17 in.) in length.

- Install the wire clamp to the timing belt cover.
- Install the cam position sensor connector to the ignition coil bracket.



## 26. INSTALL LH NO.2 TIMING BELT COVER

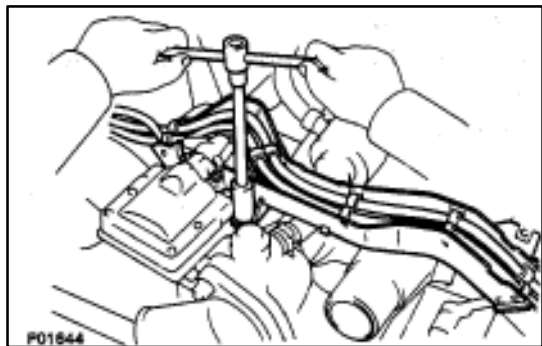
- Install the two gaskets to the timing belt cover.
- Run the cam position sensor wire through the timing belt cover hole.
- Install the timing belt cover and connector bracket with the three bolts.
- Connect the cam position sensor connector.
- Install cam position sensor connector to connector bracket.
- Install the connector grommet to the timing belt cover hole.



## 27. INSTALL DRIVE BELT IDLER PULLEY

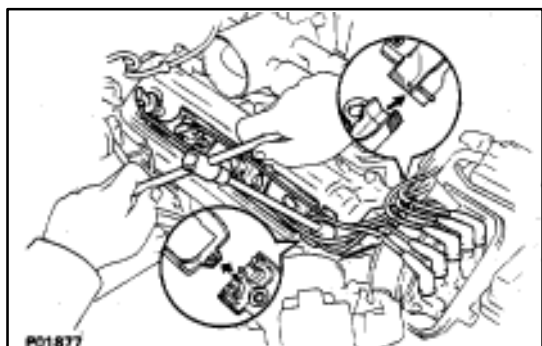
Install the idler pulley and cover plate with the pulley bolt.

**Torque: 37 N·m (380 kgf·cm, 27 ft·lbf)**



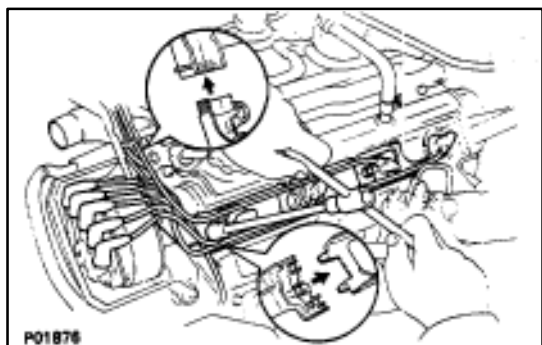
## 28. INSTALL HIGH-TENSION CORDS, HIGH-TENSION CORD CLAMP AND LOWER HIGH-TENSION CORD COVER ASSEMBLY

- (a) Install the lower high-tension cord cover with the bolt.
- (b) Connect the high-tension cord to RH ignition coil.



- (c) Connect the four high-tension cord to the RH spark plugs.
- (d) Install the RH rear and front high-tension cord clamps with the two bolts.

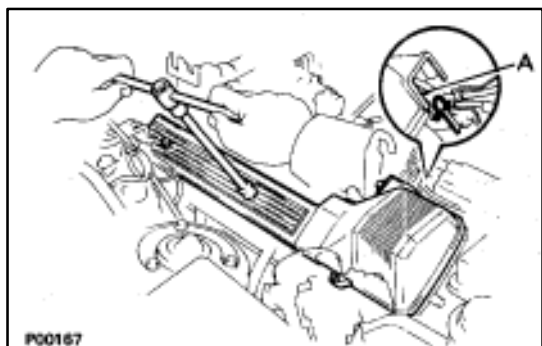
**HINT:** Place the front and rear ends of the front high-tension cord clamp on the rear high-tension cord clamp and lower high-tension cord cover.



- (e) Connect the four high-tension cord to the LH spark plugs.
- (f) Install the LH rear and front high-tension cord clamps with the two bolts.

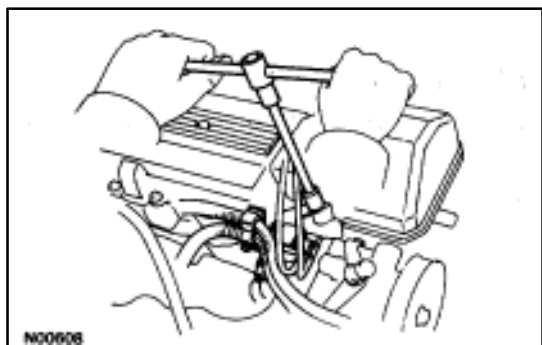
**HINT:** Place the front and rear ends of the front high-tension cord clamp on the rear high-tension cord clamp and lower high-tension cord cover.

- (g) Fit the high-tension cords to the high-tension cord clamp. (See page [IG-16](#))



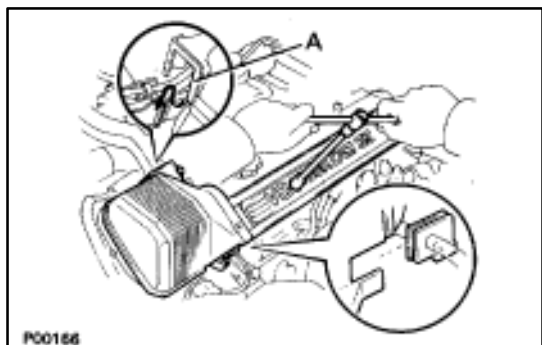
## 29. INSTALL RH NO.3 TIMING BELT COVER

- (a) Install the three gaskets to the timing belt cover.
- (b) Fit portion A of the timing belt cover, matching it with the lower high-tension cord cover.
- (c) Install the timing belt cover with the three bolts.

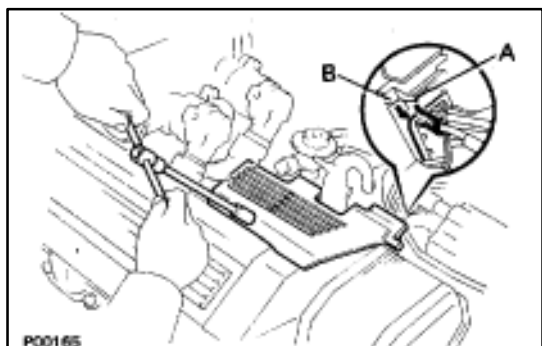


## 30. INSTALL VSV FOR EVAP SYSTEM

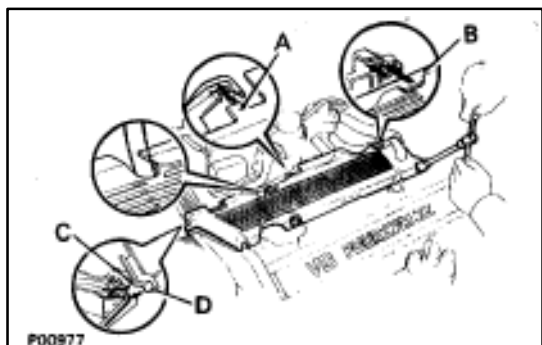
Install the VSV with the two bolts.

**31. INSTALL LH NO.3 TIMING BELT COVER**

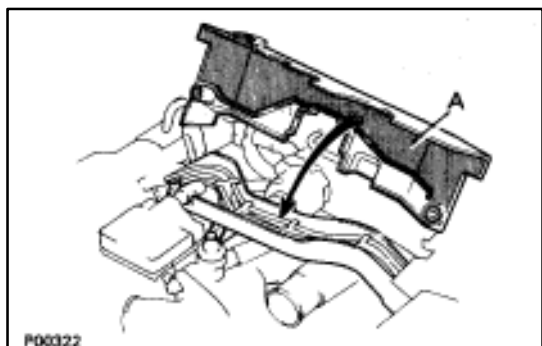
- (a) Install the three gaskets to the timing belt cover.
- (b) Install the cord grommet to the high-tension cord.
- (c) Install the cord grommet to the timing belt cover.
- (d) Fit portion A of the timing belt cover, matching it with the lower high-tension cord cover.
- (e) Install the timing belt cover with the four bolts.

**32. INSTALL RH ENGINE WIRE COVER**

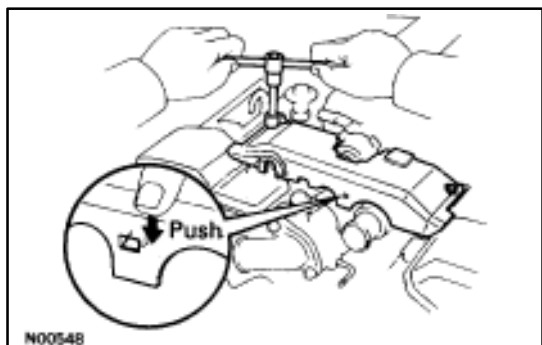
- (a) Fit portions A and B of the engine wire cover, matching them with the lower high-tension cord cover and No. 3 timing belt cover.
- (b) Install the engine wire cover with the bolt.

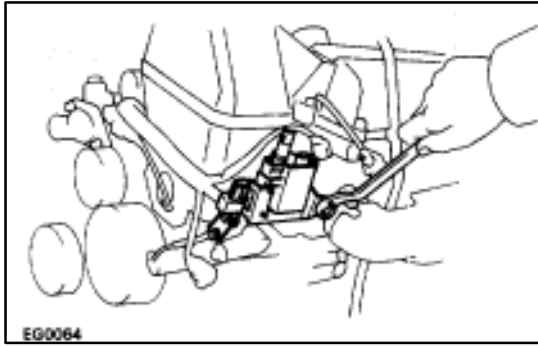
**33. INSTALL LH ENGINE WIRE COVER**

- (a) Connect portions A and B of the engine wire cover to the wire cover brackets.
- (b) Set the VSV (for Fuel pressure control system) wire in original position.
- (c) Fit portions C and D of the engine wire cover, matching them with the lower high-tension cord cover and No.3 timing belt cover.
- (b) Install the engine wire cover with the two bolts.

**34. INSTALL UPPER HIGH-TENSION CORD COVER**

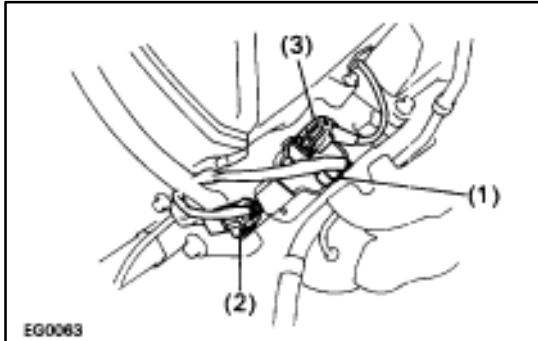
- (a) Fit portion A of the upper high-tension cover, matching it with the top of the lower high-tension cord cover.
- (b) Push the front side of the high-tension cord cover, and connect the front side claw groove of the upper high-tension cord cover to the claw of the lower high-tension cord cover.
- (c) Install the upper high-tension cord cover with the two bolts.





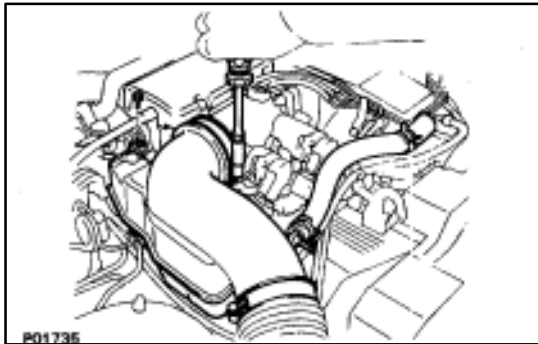
### 35. INSTALL LH IGNITION COIL

- (a) Install the ignition coil with the two bolts.



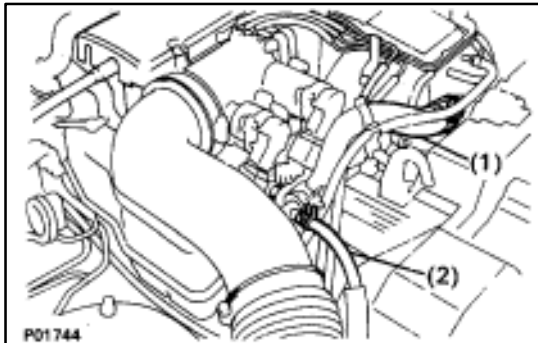
- (b) Connect the following connectors and cord:

- (1) Ignition coil connector
- (2) Noise filter connector
- (3) High-tension cord



### 36. INSTALL INTAKE AIR CONNECTOR

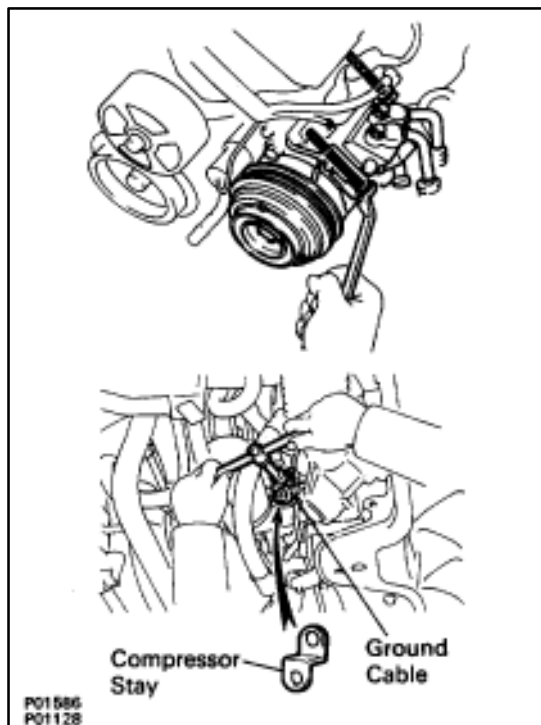
- (a) Connect the end portions of the intake air connector to the throttle body and air cleaner hose.
- (b) Tighten the two hose clamps.
- (c) Install the bolt holding the intake air connector to the cylinder head cover.



- (d) Connect the following hoses:

- (1) Air hose to ISC valve
- (2) Air hose (from PS air control valve) to intake air connector



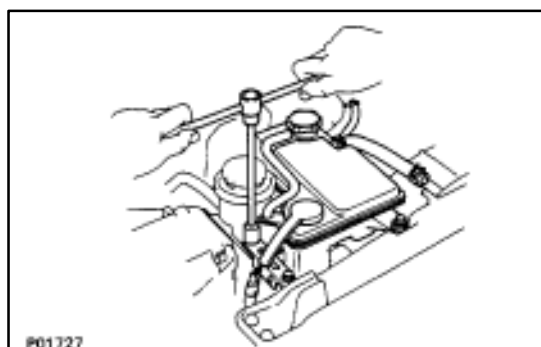
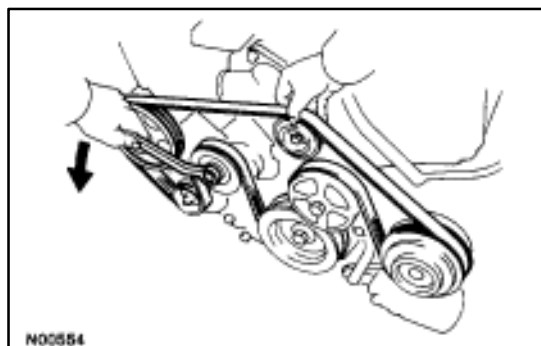
**37. INSTALL A/C COMPRESSOR**

- (a) Install the A/C compressor, compressor stay and ground cable with the three bolts and nut.

**Torque: Bolt 49 N·m (500 kgf·cm, 36 ft·lbf)**

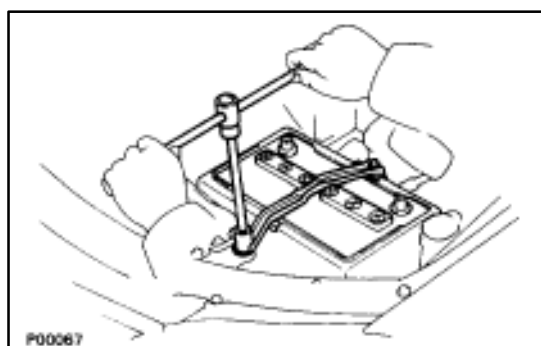
**Nut 29 N·m (300 kgf·cm, 22 ft·lbf)**

- (b) Connect the A/C compressor connector.

**38. INSTALL RADIATOR AND RESERVOIR TANK**  
(See steps 25 and 26 on pages [EM-174](#) to 175)**39. INSTALL DRIVE BELT**

Install the drive belt by turning the drive belt tensioner counterclockwise.

HINT: The pulley bolt for the belt tensioner has a lefthand thread.

**40. INSTALL BATTERY****41. FILL WITH ENGINE COOLANT** (See page [CO-7](#))**42. CHECK IGNITION TIMING** (See page [IG-28](#))

Ignition timing:

8–12° BTDC @ idle

(w/ Terminals TE1 and E1 connected)

**43. INSTALL ENGINE UNDER COVER**