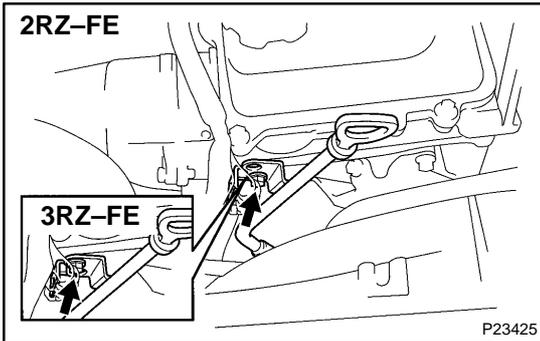


## REMOVAL

1. REMOVE ENGINE UNDER COVER
2. DRAIN ENGINE COOLANT
3. DISCONNECT AIR PIPE

Remove the 2 bolts and disconnect the air pipe from the fan shroud.

4. DISCONNECT UPPER RADIATOR HOSE FROM RADIATOR

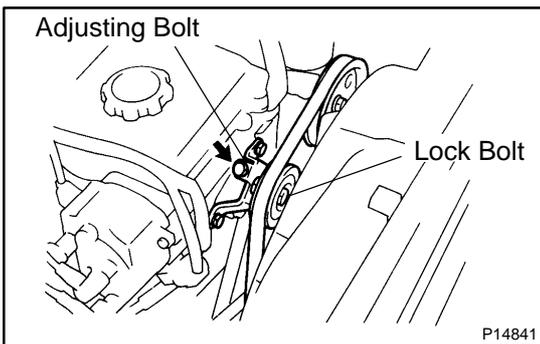


5. REMOVE OIL DIPSTICK GUIDE

- (a) Remove the bolt, dipstick guide and engine wire bracket.
- (b) Remove the O-ring from the dipstick guide.

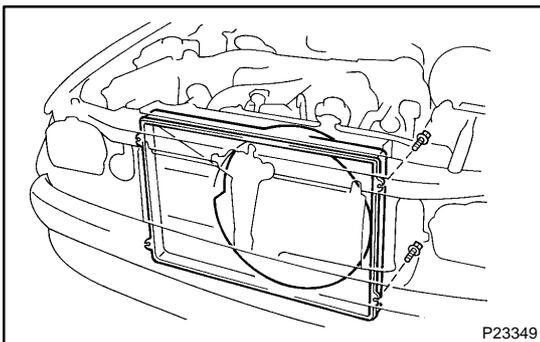
HINT:

At the time of installation, please refer to the following items.  
Use a new O-ring.



6. w/ PS:  
REMOVE DRIVE BELT FOR PS PUMP

Loosen the lock bolt and adjusting bolt, and remove the drive belt.



7. REMOVE FAN SHROUDS

- (a) Remove the 2 clips and No.2 fan shroud.
- (b) Remove the 4 bolts and No.1 fan shroud.

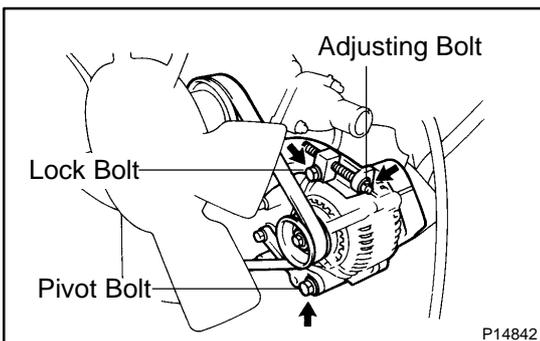
8. REMOVE DRIVE BELT FOR A/C COMPRESSOR

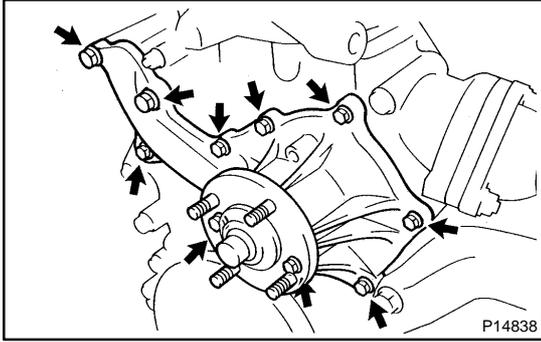
Loosen the idler pulley nut and adjusting bolt, and remove the drive belt.

9. REMOVE DRIVE BELT FOR GENERATOR,  
FAN WITH FLUID COUPLING AND WATER  
PUMP PULLEY

- (a) Loosen the water pump pulley nuts.
- (b) Loosen the lock bolt and pivot bolt of generator.
- (c) Loosen the Adjusting bolt of generator, remove the drive belt.
- (d) Remove the 4 water pump pulley nuts.
- (e) Pull out the fan together with the fluid coupling and water pump pulley.

**Torque: 21 N·m (210 kgf·cm, 16 ft·lbf)**





### 10. REMOVE WATER PUMP

Remove the 10 bolts, water pump and gasket.

**Torque:**

**24.5 N·m (250 kgf·cm, 18 ft·lbf) for 14 mm head**

**8.9 N·m (90 kgf·cm, 78 in·lbf) for 12 mm head**

**HINT:**

At the time of installation, please refer to the following items.

Use a new gasket.