

## REPLACEMENT

### 1. SEPARATE BATTERY NEGATIVE TERMINAL

### 2. REMOVE RADIATOR SUPPORT SEAL UPPER

- (a) Remove the 11 clips and radiator support seal upper.

### 3. REMOVE FAN AND GENERATOR V BELT (See page 14-5 )

### 4. REMOVE FAN W/ FLUID COUPLING

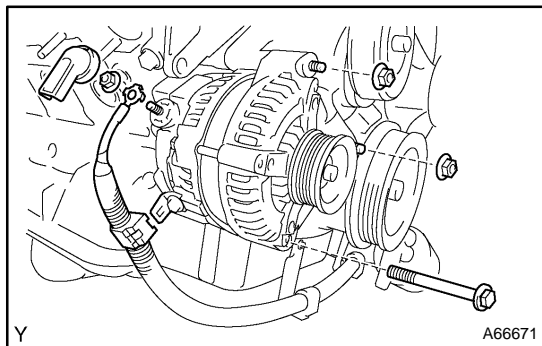
- (a) Separate the 2 oil cooler hoses from fan shroud.  
 (b) Remove the 3 bolts and separate the fan shroud from radiator.  
 (c) Remove the 4 nuts and separate the fan w/ fluid coupling from engine.  
 (d) Remove the fan shroud and fan w/fluid coupling from the vehicle at the same time.

### 5. SEPARATE VANE PUMP ASSY

- (a) Disconnect the vacuum hose.  
 (b) Remove the nut, 2 bolts and vane pump assy.

#### HINT:

Hand up the hoses instead of detaching.



### 6. REMOVE GENERATOR ASSY

- (a) Disconnect the generator connector.  
 (b) Remove the terminal cap and nut, and disconnect the generator wire.  
 (c) Disconnect the alternator wire clamp from the cord clip on the generator.  
 (d) Remove the bolt, 2 nuts and generator.

### 7. INSTALL GENERATOR ASSY

- (a) Install the generator with the bolt and 2 nuts.

#### Torque:

**Bolt 39 N·m (400 kgf·cm, 29 ft·lbf)**

**Nut (M10) 39 N·m (400 kgf·cm, 29 ft·lbf)**

**Nut (M8) 16 N·m (158 kgf·cm, 11 ft·lbf)**

- (b) Connect the generator connector.  
 (c) Connect the generator wire with the nut and rubber cap.  
**Torque: 9.8 N·m (100 kgf·cm, 86 in·lbf)**  
 (d) Install the generator wire clamp to the cord clip on the generator.

### 8. INSTALL VANE PUMP ASSY

- (a) Install the vane pump assy with the nut and 2 bolts.

#### Torque:

**Nut 43 N·m (438 kgf·cm, 32 ft·lbf)**

**Bolt 43 N·m (438 kgf·cm, 32 ft·lbf)**

- (b) Connect the vacuum hose.

### 9. INSTALL FAN W/ FLUID COUPLING

- (a) Put the fan w/ fluid coupling and fan shroud into the engine room at the same time.  
 (b) Install the fan shroud with 3 bolts.  
**Torque: 5.0 N·m (51 kgf·cm, 44 in·lbf)**  
 (c) Install the fan w/ fluid coupling with 4 nuts.  
**Torque: 29 N·m (296 kgf·cm, 21 ft·lbf)**

### 10. INSTALL FAN AND GENERATOR V BELT (See page 14-5 )

### 11. INSTALL RADIATOR SUPPORT SEAL UPPER