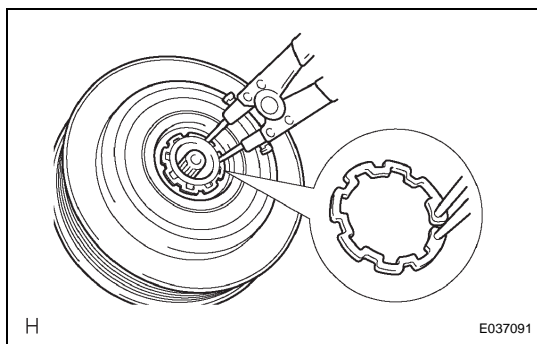
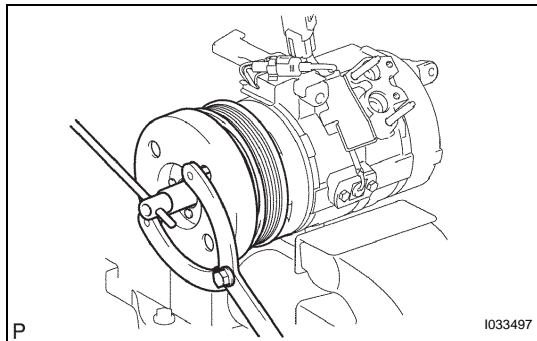


## DISASSEMBLY

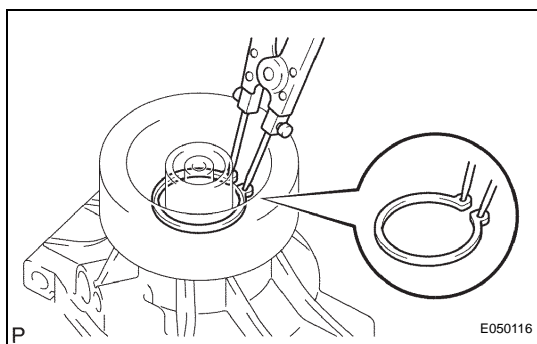
### 1. REMOVE MAGNETIC CLUTCH ASSEMBLY

- (a) Place the compressor and magnetic clutch in a vise.
- (b) Using SST, remove the bolt, magnetic clutch hub and magnetic clutch washer.

**SST 09960-10010 (09962-01000, 09963-00500)**



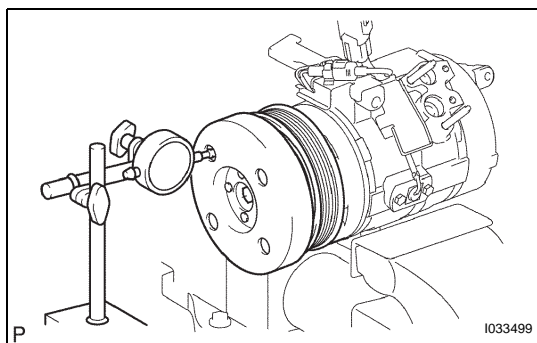
- (c) Using a snap ring expander, remove the snap ring and magnetic clutch rotor.
- (d) Remove the screw and disconnect the connector.



- (e) Using a snap ring expander, remove the snap ring and magnetic clutch starter.

### 2. REMOVE COOLER COMPRESSOR BRACKET

### 3. REMOVE COOLER COMPRESSOR ASSEMBLY



## INSPECTION

### 1. INSPECT MAGNETIC CLUTCH CLEARANCE

- (a) Set the dial indicator to the magnetic clutch hub.
- (b) Connect the battery positive lead to terminal 1 of the magnetic clutch connector and the negative lead to the earth wire. Turn on and off the magnetic clutch and measure the clearance.

**Standard clearance:**

**0.35 to 0.60 mm (0.013 to 0.023 in.)**

If the measured value is out of the standard range, remove the magnetic clutch hub and adjust it with the magnetic clutch washers.

**NOTICE:**

**Adjustment shall be performed with 3 or less magnetic clutch washers.**

## 2. INSPECT COMPRESSOR OIL

- (a) When replacing the compressor and magnetic clutch with a new one, after gradually removing the refrigerant gas from the service valve, drain the following amount of oil from the new compressor and magnetic clutch before installation.

### Standard:

(Oil capacity inside new compressor and magnetic clutch: 120 + 15 cc (4.0 + 0.5 fl. oz.)) - (Remaining oil amount in the removed compressor and magnetic clutch) = (Oil amount to be removed when replacing)

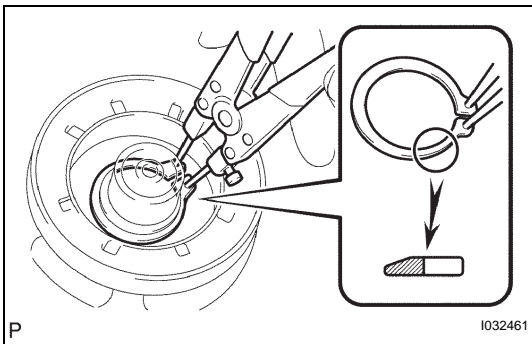
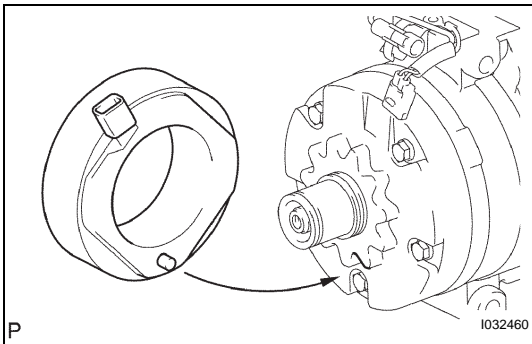
### NOTICE:

- When checking the compressor oil level, observe the precautions on the cooler removal/installation.
- Because compressor oil remains in the pipes of the vehicle, if a new compressor and magnetic clutch is installed without removing some oil inside, the oil amount becomes excessive, preventing heat exchange in the refrigerant cycle and causing refrigerant failure.
- If the remaining oil in the removed compressor and magnetic clutch is too small in volume, check for oil leakage.
- Be sure to use ND-OIL8 for compressor oil.

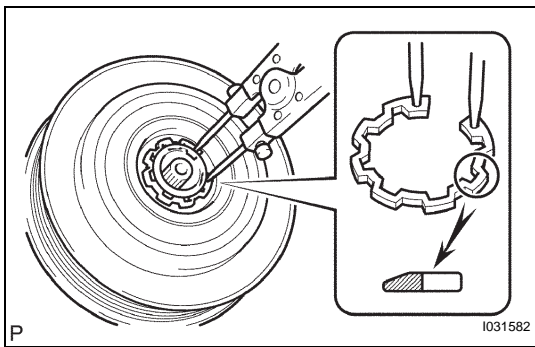
## REASSEMBLY

### 1. INSTALL MAGNETIC CLUTCH ASSEMBLY

- (a) Fit the parts shown in the illustration and install the magnetic clutch starter.



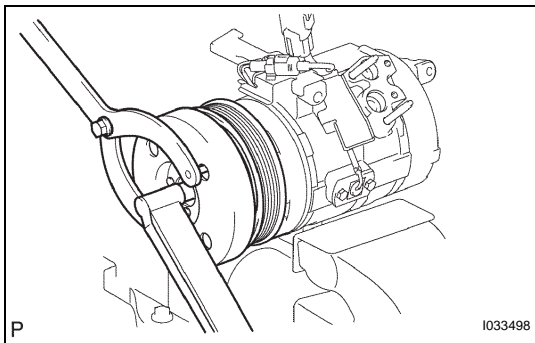
- (b) Using a snap ring expander, install a new snap ring with the chamfered side facing up.
- (c) Install the screw and connect the connector.



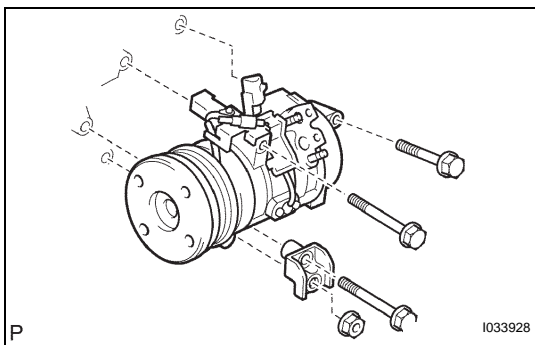
- (d) Using a snap ring expander, install the magnetic clutch rotor and a new snap ring with the chamfered side facing up.
- (e) Install the magnetic clutch washer and magnetic clutch hub.

**NOTICE:**

**Do not change the combination of the magnetic clutch washers used before disassembly.**



- (f) Using SST, install the magnetic clutch hub and magnetic clutch washer with the bolt.  
**SST 09960-10010 (09962-01000, 09963-00500)**  
**Torque: 18 N\*m (183 kgf\*cm, 13 ft.\*lbf)**



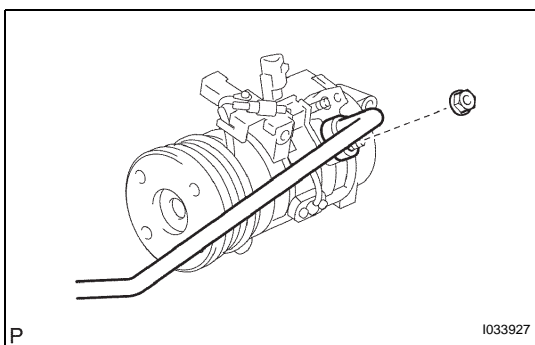
**INSTALLATION**

**1. INSTALL COMPRESSOR AND MAGNETIC CLUTCH**

- (a) Install the compressor and magnetic clutch and stay, compressor with the 3 bolts.  
**Torque: 46 N\*m (469 kgf\*cm, 34 ft.\*lbf)**
- (b) Install the nut.  
**Torque: 24 N\*m (245 kgf\*cm, 18 ft.\*lbf)**
- (c) Connect the connector.

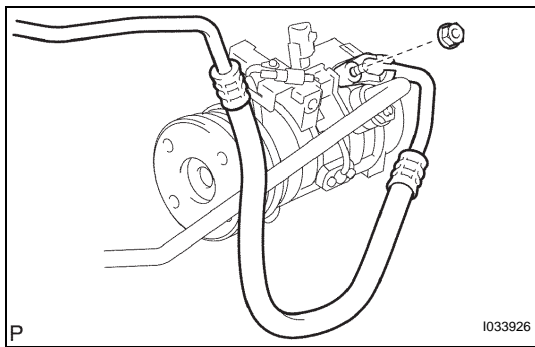
**2. INSTALL SUCTION HOSE SUB-ASSEMBLY**

- (a) Remove the attached vinyl tape from the hose.
- (b) Sufficiently apply compressor oil to a new O-ring and fitting surface of the compressor and magnetic clutch.  
**Compressor oil:**  
**ND-OIL8 or equivalent**
- (c) Install the O-ring on the suction hose sub-assembly.
- (d) Install the suction hose sub-assembly on the compressor and magnetic clutch with the nut.  
**Torque: 9.8 N\*m (100 kgf\*cm, 87 in.\*lbf)**



**3. INSTALL DISCHARGE HOSE SUB-ASSEMBLY**

- (a) Remove the attached vinyl tape from the hose.
- (b) Sufficiently apply compressor oil to the new O-ring and fitting surface of the compressor and magnetic clutch.  
**Compressor oil:**  
**ND-OIL8 or equivalent**
- (c) Install an O-ring on the discharge hose sub-assembly.



(d) Install the discharge hose sub-assembly on the compressor and magnetic clutch with the nut.

**Torque: 9.8 N\*m (100 kgf\*cm, 87 in.\*lbf)**

4. **INSPECT V-RIBBED BELT TENSIONER ASSEMBLY** (See page [EM-6](#))
5. **INSTALL FAN AND GENERATOR V BELT**
6. **CHARGE REFRIGERANT** (See page [AC-103](#))
7. **WARM UP ENGINE** (See page [AC-104](#))
8. **INSPECT LEAKAGE OF REFRIGERANT** (See page [AC-104](#))