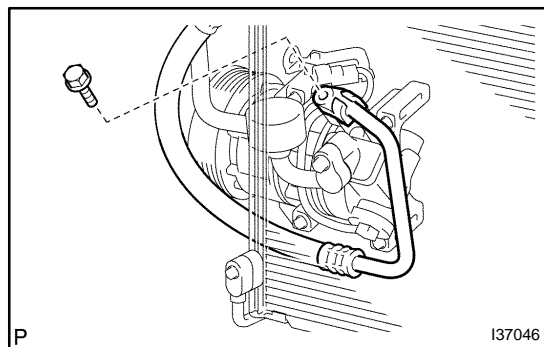


# W/PULLEY COMPRESSOR ASSY

55122-01

## REPLACEMENT

1. **DISCHARGE REFRIGERANT FROM REFRIGERATION SYSTEM**(See page 55-23)  
SST 07110-58060 (07117-58080, 07117-58090, 07117-78050, 07117-88060, 07117-88070, 07117-88080)
2. **REMOVE ENGINE UNDER COVER**
3. **REMOVE FAN AND GENERATOR V BELT**(See page 14-5)

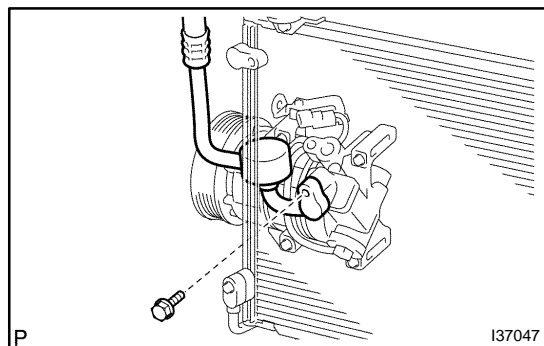


### 4. DISCONNECT COOLER REFRIGERANT DISCHARGE HOSE NO.1

- (a) Remove the bolt and disconnect the cooler refrigerant discharge hose No.1 from the w/pulley compressor assy.
- (b) Remove the O-ring from the cooler refrigerant discharge hose No.1.

#### NOTICE:

**Seal the opening of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering.**

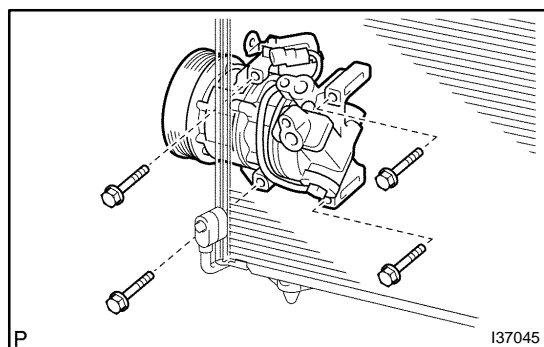


### 5. DISCONNECT SUCTION HOSE SUB-ASSY

- (a) Remove the bolt and disconnect the suction hose sub-assy from the w/pulley compressor assy.
- (b) Remove the O-ring from the suction hose sub-assy.

#### NOTICE:

**Seal the opening of the disconnected parts using vinyl tape to prevent moisture and foreign matter from entering.**



### 6. REMOVE W/PULLEY COMPRESSOR ASSY

- (a) Disconnect the connector.
- (b) Remove the 4 bolts and the w/pulley compressor assy.

## 7. INSPECT COMPRESSOR OIL

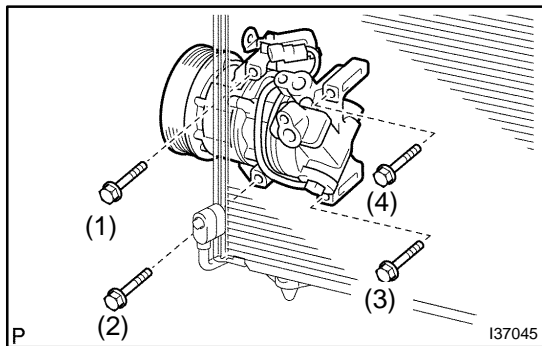
- (a) When replacing the w/pulley compressor assy with a new one, after gradually removing the refrigerant gas from the service valve, drain the following amount of oil from the new w/pulley compressor assy before installation.

### Standard:

(Oil capacity inside new compressor : 60 + 15 cc (3.0 + 0.5 fl. oz.) ) – (Remaining oil amount in the removed compressor ) = (Oil amount to be removed when replacing)

### NOTICE:

- When checking the compressor oil level, observe the precautions for cooler removal / installation.
- Because compressor oil remains in the pipes of the vehicle, if a new compressor is installed without removing some of the remaining oil, the oil amount becomes too much, preventing heat exchange in the refrigerant cycle and causing refrigerant failure.
- If the remaining oil in the removed compressor is too small in volume, check for oil leakage.
- Be sure to use ND-OIL 8 for compressor oil.



## 8. INSTALL W/PULLEY COMPRESSOR ASSY

- (a) Install the w/pulley compressor assy with the 4 bolts.

**Torque: 25 N·m ( 255kgf·cm, 221in.·lbf)**

### NOTICE:

**Tighten the bolts in the order as shown in the illustration to install the w/pulley compressor assy.**

- (b) Connect the connector.

## 9. INSTALL SUCTION HOSE SUB-ASSY

- (a) Remove the attached vinyl tape from the hose.

- (b) Apply a sufficient amount of compressor oil to a new O-ring and fit surface of the w/pulley compressor assy.

**Compressor oil: ND-OIL 8 or equivalent**

- (c) Install the new O-ring on the suction hose sub-assy.

- (d) Install the suction hose sub-assy on the w/pulley compressor assy with the the bolt.

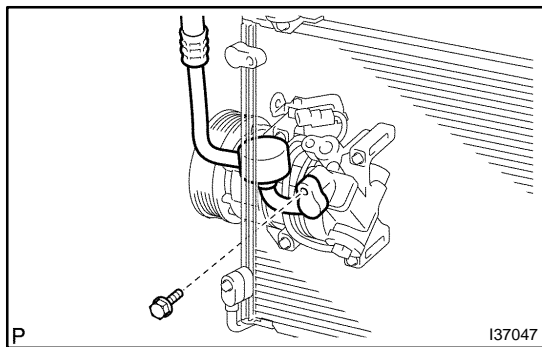
## 10. INSTALL COOLER REFRIGERANT DISCHARGE HOSE NO.1

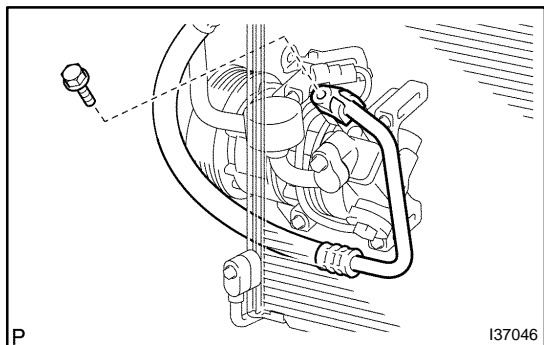
- (a) Remove the attached vinyl tape from the hose.

- (b) Apply a sufficient amount of compressor oil to a new O-ring and fit surface of the compressor and magnetic clutch.

**Compressor oil: ND-OIL 8 or equivalent**

- (c) Install the O-ring to the cooler refrigerant discharge hose No.1, then install it to the w/pulley compressor assy with the bolt.





- (d) Install the cooler refrigerant discharge hose No.1 to the w/pulley compressor assy with the bolt.  
**Torque: 9.8 N·m ( 100 kgf·cm, 87 in.·lbf)**

11. **INSTALL FAN AND GENERATOR V BELT**(See page 14-5)
12. **ADJUST FAN AND GENERATOR V BELT**(See page 14-5)
13. **CHARGE REFRIGERANT**(See page 55-23)  
SST 07110-58060 (07117-58060, 07117-58070, 07117-58080, 07117-58090, 07117-78050, 07117-88060, 07117-88070, 07117-88080)  
Specified amount: 380 ± 30 g (13.9 ± 1.1 oz.)
14. **WARM UP ENGINE**(See page 55-23)
15. **INSPECT LEAKAGE OF REFRIGERANT**(See page 55-23)