

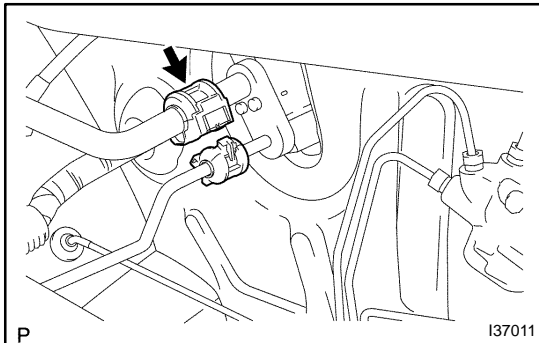
## OVERHAUL

HINT:

COMPONENTS: See page 71-7,55-30,

### 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. DISCONNECT SUCTION HOSE SUB-ASSY

(a) Install SST to piping clamp.

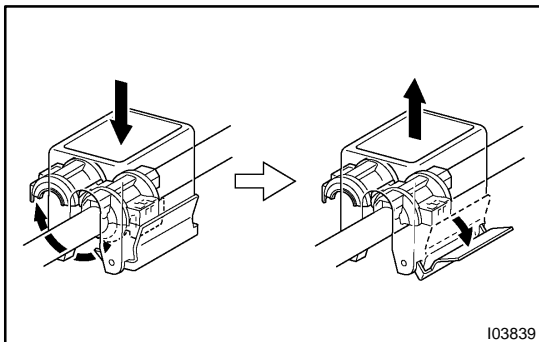
SST 09870-00015

**NOTICE:**

**Be careful not to deform the tube, when pushing SST.**

HINT:

Confirm the direction of the piping clamp claw and SST referring to the illustration showing on the caution label.

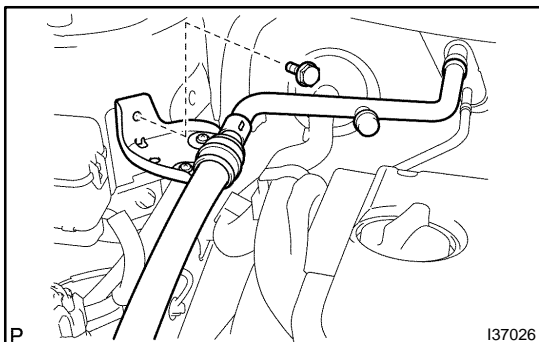


(b) Push down SST and release the clamp lock.

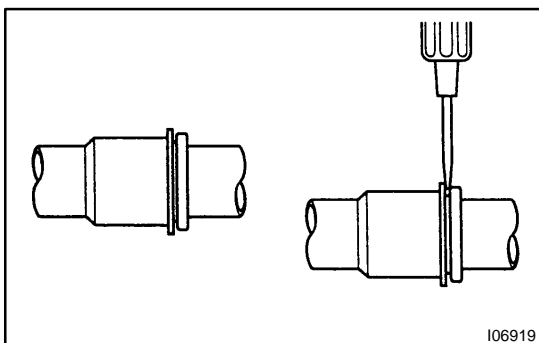
**NOTICE:**

**Be careful not to deform the tube, when pushing SST.**

(c) Pull SST slightly and push the release lever, then remove the piping clamp with SST.



(d) Remove the bolt and separate the bracket.



(e) Disconnect the suction hose sub-assy.

**NOTICE:**

- Do not use tools such as a screwdriver to remove the tube.
- Cap the open fittings immediately to keep moisture or dirt out of the system.

(f) Remove the 2 O-rings 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.

**3. DISCONNECT LIQUID TUBE SUB-ASSY A**

HINT:

Disconnect the liquid tube sub-assy A in the same way as for the suction hose sub-assy.

SST 09870-00025

**4. REMOVE HEATER CONTROL KNOB(See page 55-25)****5. REMOVE INSTRUMENT CLUSTER FINISH PANEL SUB-ASSY CTR(See page 71-12)****6. REMOVE INSTRUMENT PANEL SUB-ASSY W/PASSENGER AIRBAG ASSY(See page 71-12)**

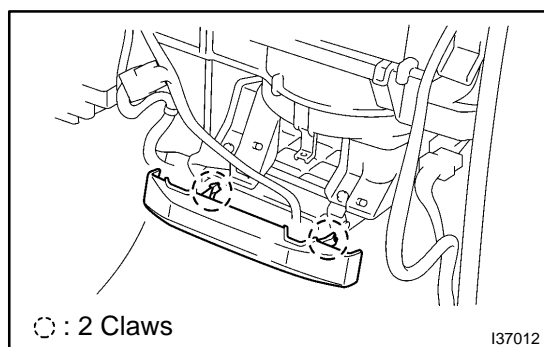
HINT:

Refer to the instructions for removal of the instrument panel sub-assy w/passenger air bag assy.

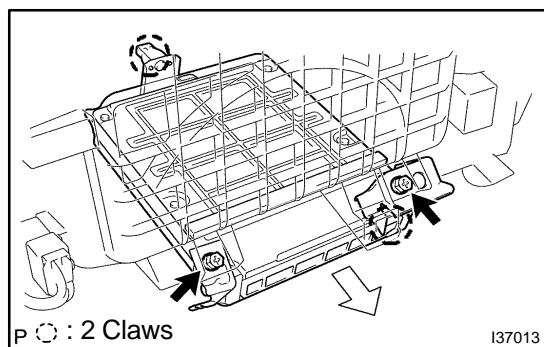
**7. REMOVE INSTRUMENT PANEL ASSY LOWER W/INSTRUMENT PANEL REINFORCEMENT (See page 71-21)**

HINT:

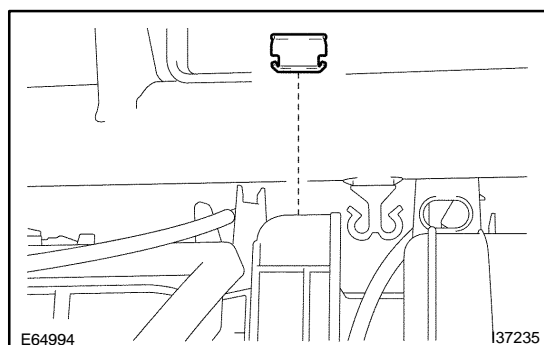
Refer to the instructions for removal of the instrument panel assy lower w/instrument panel reinforcement.

**8. REMOVE AIR CONDITIONING AMPLIFIER ASSY(See page 55-56)****9. REMOVE ECM**

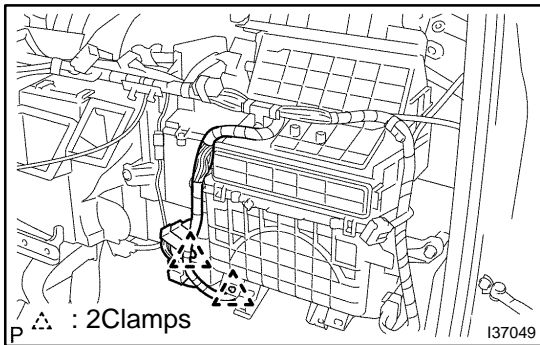
- (a) Disengage the 2 claws and remove the cover.
- (b) Disconnect the connector.



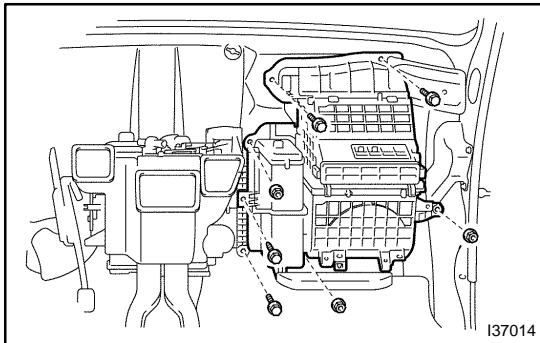
- (c) Remove the 2 screws.
- (d) Disengage the 2 claws and remove the ECM.

**10. REMOVE AIR CONDITIONING BLOWER ASSY**

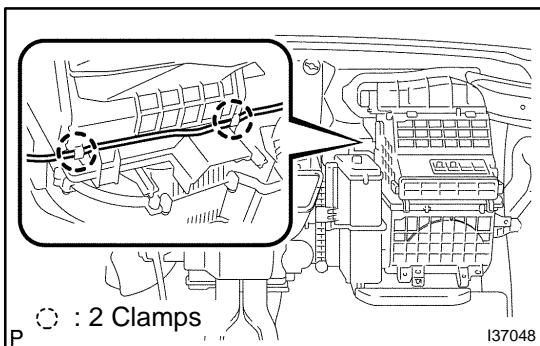
- (a) Remove the clamp.



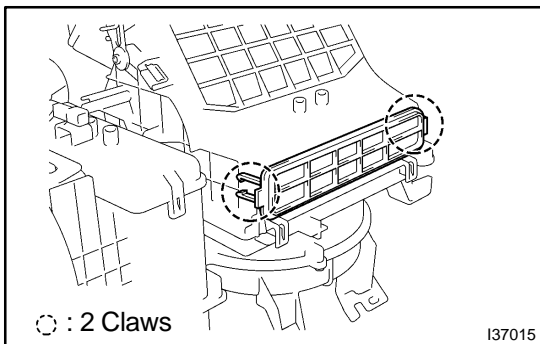
- (b) Disengage the 2 clamps and remove the screw.
- (c) Disconnect the wire harness.



- (d) Remove the 2 bolts, 3 nuts and 2 screws, then remove the air conditioning blower Assy.

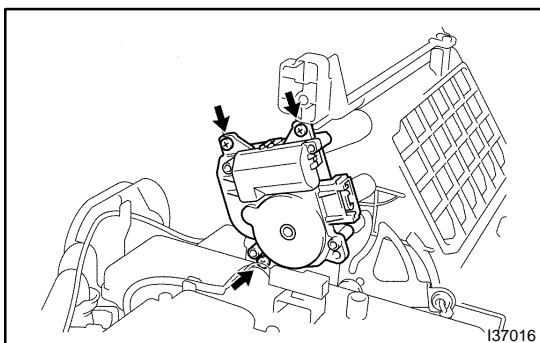


- (e) Disconnect the 2 clamps and remove the wire harness.



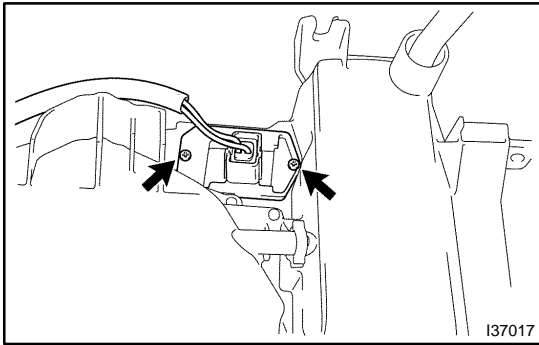
#### 11. REMOVE AIR FILTER CASE

- (a) Release the 2 claw fittings and remove the air filter case.



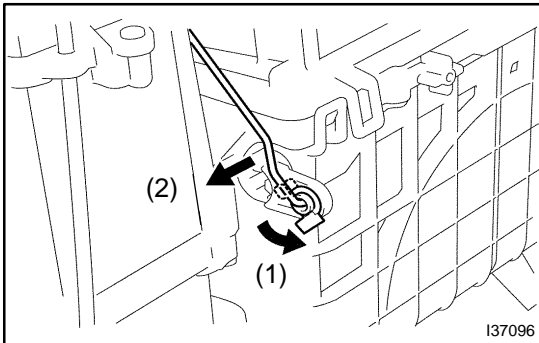
#### 12. REMOVE DAMPER SERVO SUB-ASSY

- (a) Remove the 3 screws and the damper servo sub-assy.



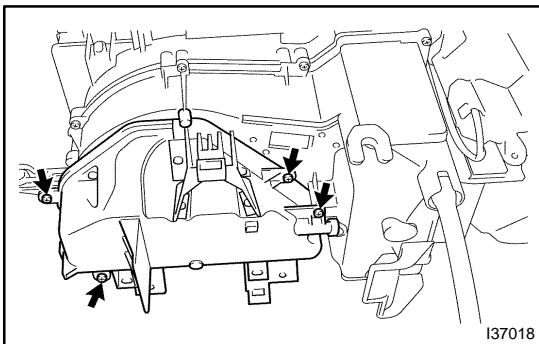
**13. REMOVE BLOWER RESISTOR**

- (a) Disconnect the connector.
- (b) Remove the 2 screws and the blower resistor.

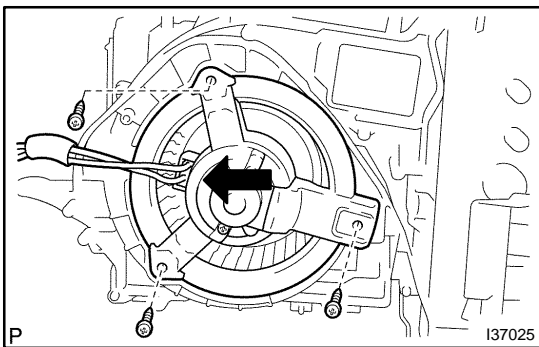


**14. REMOVE BLOWER MOTOR COVER**

- (a) Disconnect the rod.



- (b) Remove the 4 screws, the holding spring, and the blower motor cover.

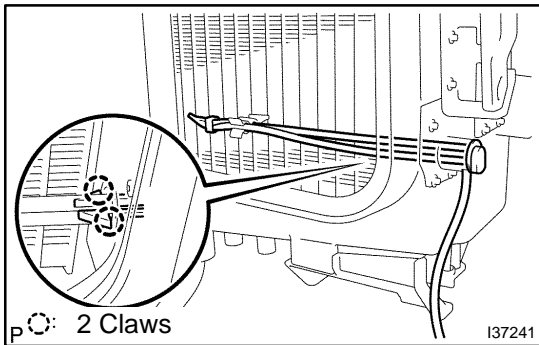


**15. REMOVE BLOWER W/FAN MOTOR SUB-ASSY**

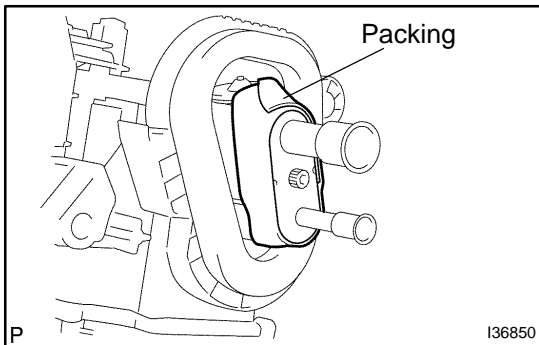
- (a) Disconnect the connector.
- (b) Remove the 3 screws and the blower w/fan motor sub-assy.

**16. REMOVE COOLER WIRING NO.2**

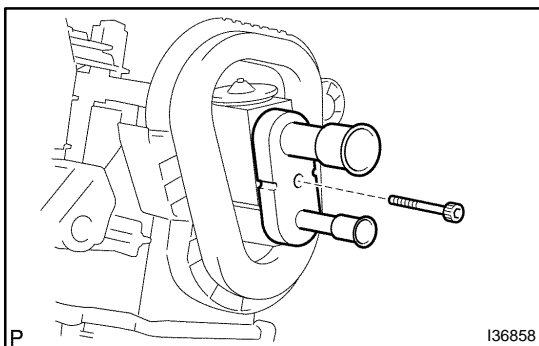
- (a) Remove the cooler wiring No.2.

**17. REMOVE COOLER THERMISTOR NO.1**

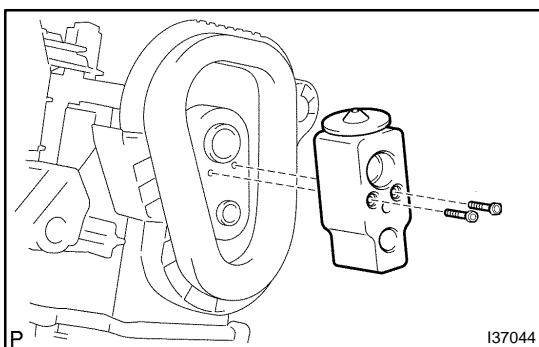
- (a) Disengage the 2 claws and remove the cooler thermistor No.1.

**18. REMOVE AIR CONDITIONING TUBE & ACCESSORY ASSY**

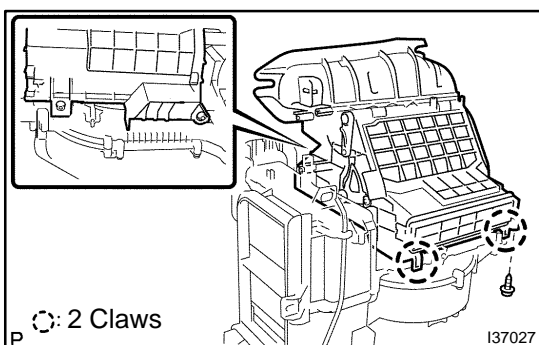
- (a) Remove the packing.



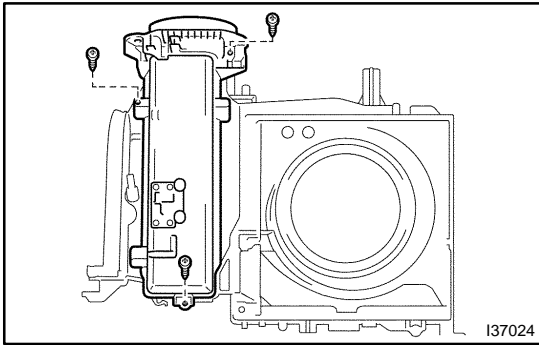
- (b) Using a hexagon wrench 5mm (0.196in.), remove the air conditioner tube & accessory assy.
- (c) Remove the 2 O-rings from the air conditioner tube & accessory assy.

**19. REMOVE COOLER EXPANSION VALVE**

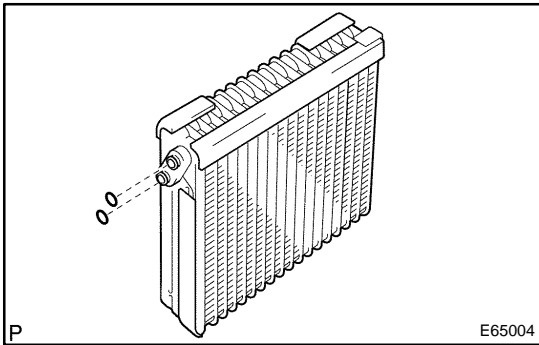
- (a) Using a hexagon wrench 4mm (0.16in.), remove the 2 bolts and the cooler expansion valve.

**20. REMOVE COOLER EVAPORATOR SUB-ASSY NO.1**

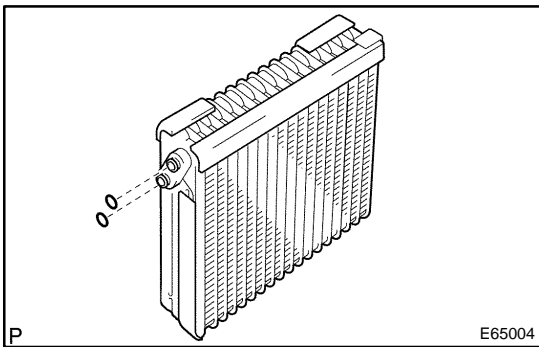
- (a) Remove the screw.
- (b) Disengage the 2 claws and remove the air duct.



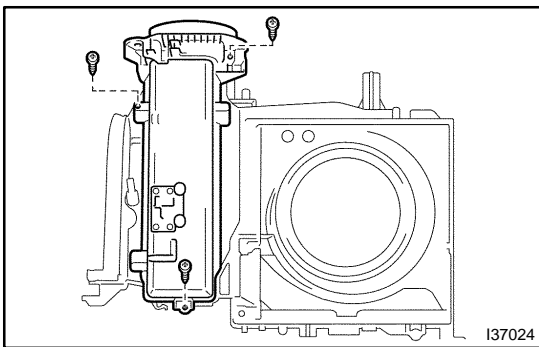
- (c) Remove the 3 screws and the evaporator cover.
- (d) Remove the cooler evaporator sub-assy No.1.



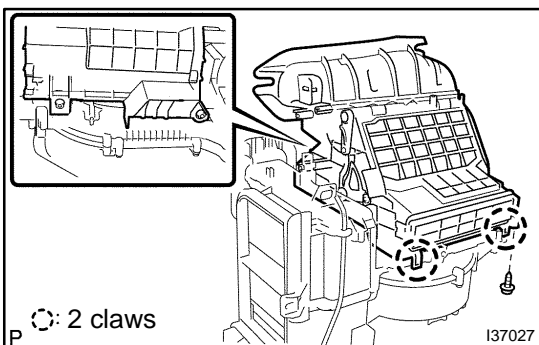
- (e) Remove the 2 O-rings from the cooler evaporator sub-assy No.1.



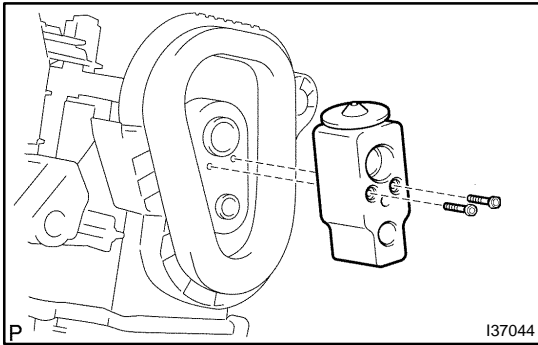
- 21. INSTALL COOLER EVAPORATOR SUB-ASSY NO.1**
- (a) Sufficiently apply compressor oil to the contact surfaces of 2 new O-rings and install them in the cooler evaporator sub-assy No.1.  
**Compressor oil: ND-OIL 8 or equivalent**
  - (b) Install the cooler evaporator sub-assy No.1 on the heater case.



- (c) Install the evaporator cover with the 3 screws.

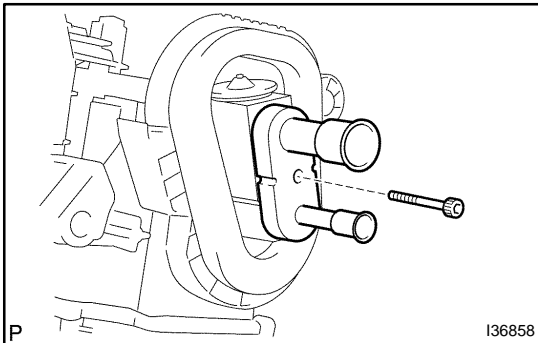


- (d) Install the air duct with the screw and 2 claws.

**22. INSTALL COOLER EXPANSION VALVE**

- (a) Using a hexagon wrench 4mm (0.16in.), install the 2 bolts and the cooler expansion valve.

**Torque: 5.4 N·m (55 kgf·cm, 48in.·lbf)**

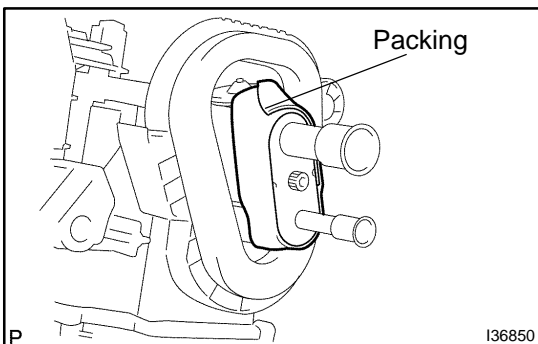
**23. INSTALL AIR CONDITIONING TUBE & ACCESSORY ASSY**

- (a) Sufficiently apply compressor oil to the contact surfaces of 2 new O-rings and install them in the air conditioning tube & accessory assy.

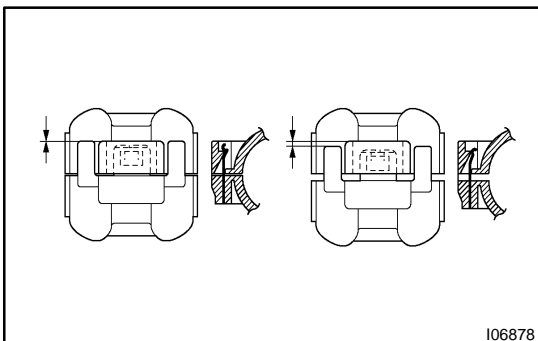
**Compressor oil: ND-OIL 8 or equivalent**

- (b) Using a hexagon wrench 5mm (0.196in.), install the air conditioning tube & accessory assy.

**Torque: 5.4 N·m (55 kgf·cm, 48in.·lbf)**



- (c) Install the packing.

**24. INSTALL INSTRUMENT PANEL ASSY LOWER W/INSTRUMENT PANEL REINFORCEMENT**  
(See page 71-21)**25. INSTALL INSTRUMENT PANEL SUB-ASSY W/PASSENGER AIRBAG ASSY**(See page 71-12)**26. INSTALL LIQUID TUBE SUB-ASSY A**

- (a) Remove the attached vinyl tape from the hose.  
(b) Lubricate 2 new O-rings with compressor oil and install them to the hose.

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

- (c) Install the liquid tube sub-assy A and piping clamp.

**HINT:**

After connection, check the claw fitting of the piping clamp.

**27. INSTALL SUCTION HOSE SUB-ASSY**

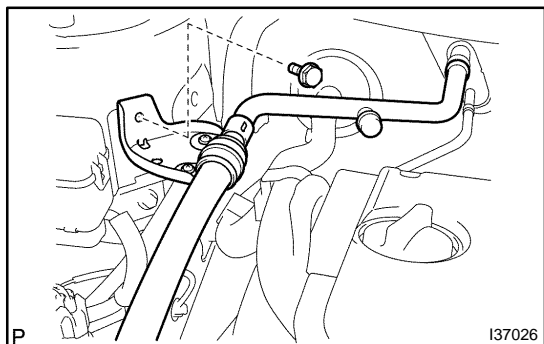
- (a) Remove the attached vinyl tape from the hose.  
(b) Lubricate a 2 new O-rings with compressor oil and install them to the hose.

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

- (c) Install the suction hose sub-assy and piping clamp.

**HINT:**

After connection, check the claw fitting of the piping clamp.



- (d) Install the bracket with the bolt.  
**Torque: 9.8 N·m ( 100 kgf·cm, 87 in·lbf)**

**28. 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.)**

**29. WARM UP ENGINE(See page 55-23)****30. INSPECT LEAKAGE OF REFRIGERANT(See page 55-23)**