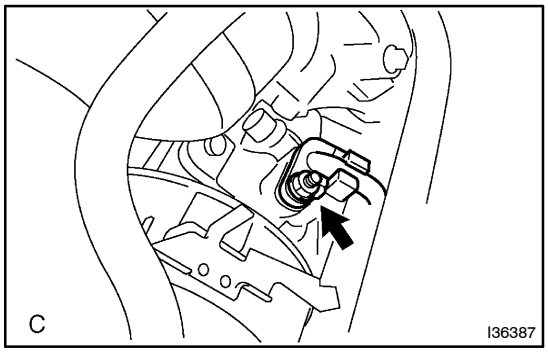
5518U–01

REPLACEMENT

1. DISCONNECT NEGATIVE TERMINAL CABLE FROM BATTERY
2. EVACUATE REFRIGERANT (HFC–134A (R134A)) (SEE PAGE 55–11)
3. REMOVE AIR CLEANER INLET NO.1 (SEE PAGE 13–6)
4. REMOVE FAN AND GENERATOR V BELT (SEE PAGE 14–6)
5. REMOVE ENGINE UNDER COVER NO.1



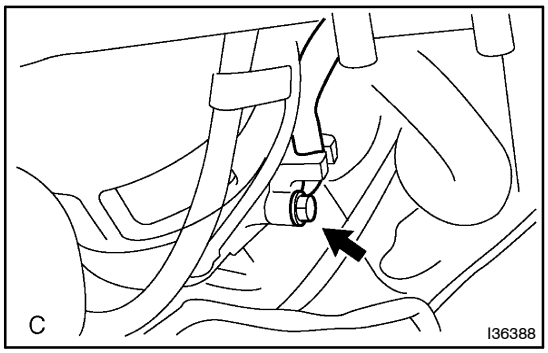
6. DISCONNECT COOLER REFRIGERANT DISCHARGE HOSE NO.1

(a) Remove the nut and disconnect the cooler refrigerant discharge hose No.1.

(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.



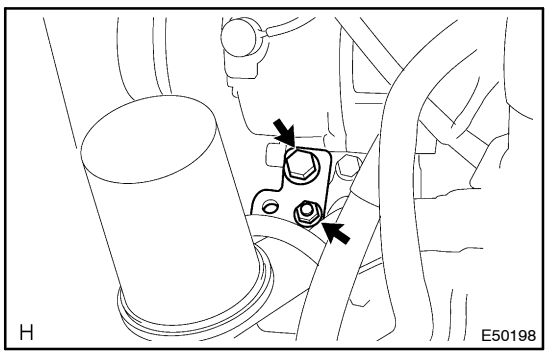
7. DISCONNECT COOLER REFRIGERANT SUCTION HOSE NO.1

(a) Remove the bolt and disconnect the cooler refrigerant suction hose No.1.

(b) Remove the O–ring from the cooler refrigerant suction hose No.1.

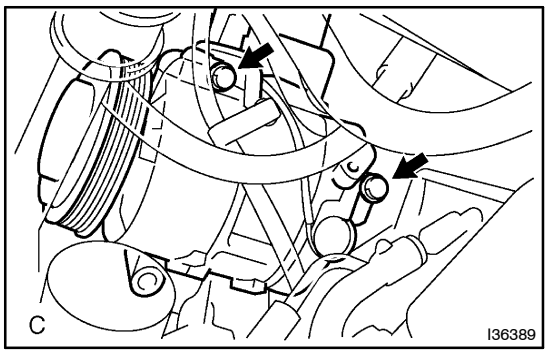
NOTICE:

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



8. REMOVE COMPRESSOR MOUNTING BRACKET NO.1

(a) Remove the bolt, nut and compressor mounting bracket No.1.



9. REMOVE W/PULLEY COMPRESSOR ASSY

(a) Disconnect the connector.

(b) Remove the 2 bolts and w/ pulley compressor assy.

10. ADJUST COMPRESSOR OIL

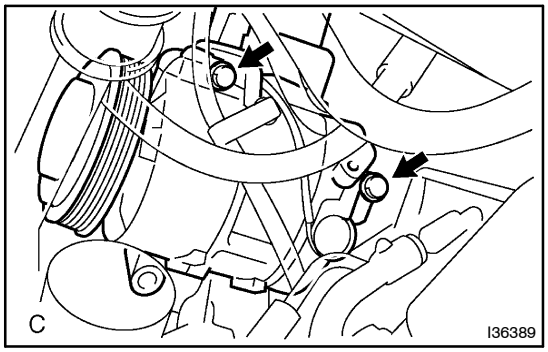
(a) When replacing the compressor and magnetic clutch with a new one, after gradually removing the refrigerant gas from the service valve, drain the following amount of oil from the new compressor and magnetic clutch before installation.

Standard:

(Oil capacity inside the new compressor: 130 +15 cc (4.4 +0.5 fl.oz)) – (Remaining oil amount in the removed compressor) = (Oil amount to be removed from the new compressor when replacing)

NOTICE:

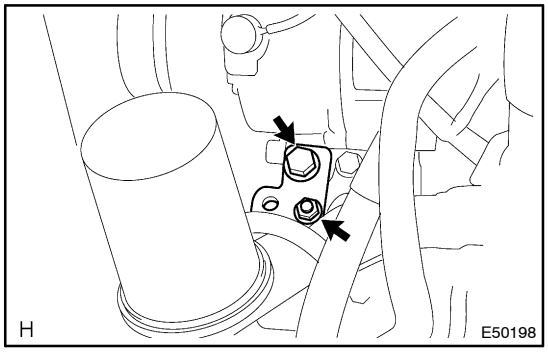
- **When checking the compressor oil level, observe the precautions on the air conditioning radiator assy removal/ installation.**
- **Because compressor oil remains in the pipes of the vehicle, if a new compressor and magnetic clutch is installed without removing some oil inside, the oil amount becomes too much, 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–OIL 8 or equivalent for compressor oil.**



11. TEMPORARILY TIGHTEN W/PULLEY COMPRESSOR ASSY

(a) Temporarily tighten the w/ pulley compressor assy with the 2 bolts.

(b) Connect the connector.



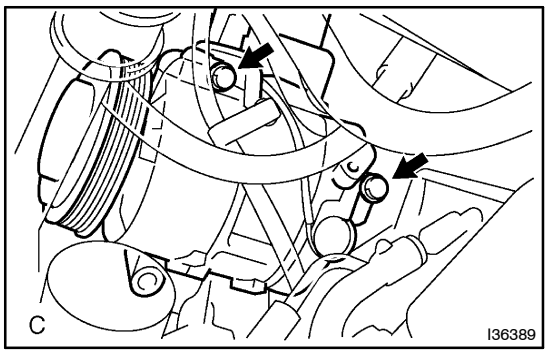
12. INSTALL COMPRESSOR MOUNTING BRACKET NO.1

(a) Install the compressor mounting bracket No.1 with the bolt and nut.

Torque:

Bolt: 49 N·m (500 kgf·cm, 36ft·lbf)

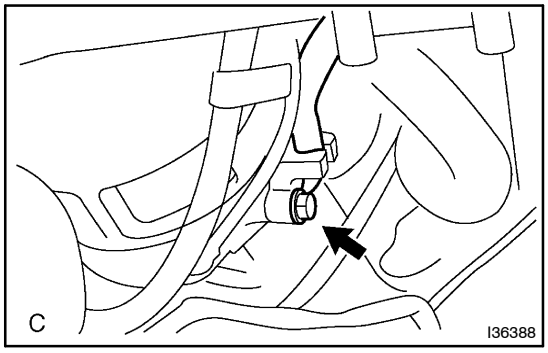
Nut: 30 N·m (306 kgf·cm, 22 ft·lbf)



13. FULLY TIGHTEN W/PULLEY COMPRESSOR ASSY

(a) Fully tighten the w/pulley compressor assy with the 2 bolts.

Torque: 49 N·m (500 kgf·cm, 36 ft·lbf)



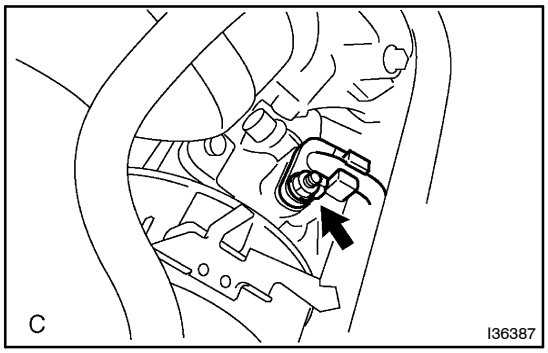
14. INSTALL COOLER REFRIGERANT SUCTION HOSE NO.1

(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–OIL 8 or equivalent

(c) Install an O–ring to the cooler refrigerant suction hose No.1.

(d) Install the cooler refrigerant suction hose No.1 to the compressor and magnetic clutch with the bolt.
Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)



15. INSTALL COOLER REFRIGERANT DISCHARGE HOSE NO.1

(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–OIL 8 or equivalent

(c) Install an O–ring to the cooler refrigerant discharge hose No.1.

(d) Install the cooler refrigerant discharge hose No.1 to the compressor and magnetic clutch with the nut.
Torque: 9.8 N·m (100 kgf·cm, 7 ft·lbf)

16. INSTALL FAN AND GENERATOR V BELT (SEE PAGE 14–6)

17. INSTALL AIR CLEANER INLET NO.1 (SEE PAGE 13–6)

18. CONNECT NEGATIVE TERMINAL CABLE TO BATTERY

19. CHARGE REFRIGERANT (SEE PAGE 55–11)

20. WARM UP ENGINE

21. INSPECT FOR REFRIGERANT LEAKAGE (SEE PAGE 55–11)