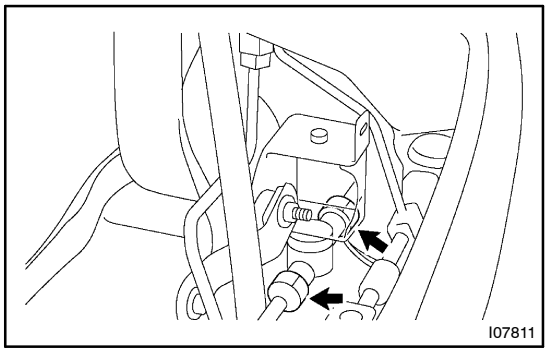
MAGNETIC VALVE (for Cool Box)

AC1TF–01

INSPECTION

1. REMOVE MAGNETIC VALVE

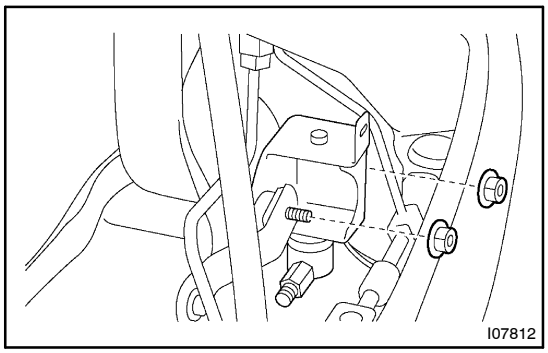
(a) Discharge refrigerant from refrigeration system.



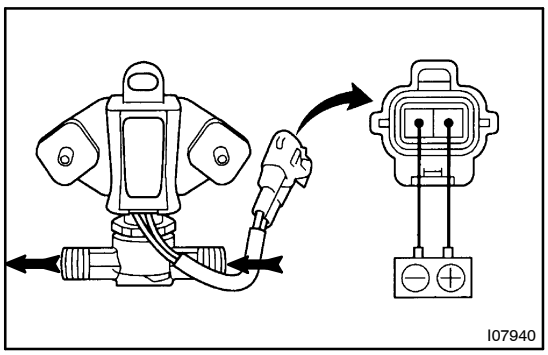
(b) Disconnect the 2 liquid tubes.
Loosen the 2 nuts and disconnect the tubes.

NOTICE:

Cap the open fittings immediately to keep moisture or dirt out of the system.



(c) Remove the magnetic valve.
(1) Disconnect the connector.
(2) Remove the 2 nuts and magnetic valve.



2. INSPECT MAGNETIC VALVE OPERATION

Check the air passage through the valve with and without the battery positive voltage applied between terminals as shown in the chart.

Condition	Air passage
Apply B+ between terminals	Free passage
Not apply B+ between terminals	No passage

If operation is not as specified, replace the magnetic valve.

3. INSTALL MAGNETIC VALVE

(a) Install the magnetic valve with the 2 nuts.

(b) Connect the connector.

(c) Connect the 2 liquid tubes to magnetic valve and tighten the 2 nuts.

Torque: 14 N·m (140 kgf·cm, 10 ft·lbf)

HINT:

Lubricate 2 new O–rings with compressor oil and install them to the tubes.

(d) Evacuate air from refrigeration system and charge system with refrigerant.

Specified amount:
Single A/C (*1 RFS Condenser Models):
800 ± 50 g (28.22 ± 1.76 oz.)
Single A/C (*2 IFS Condenser Models):
950 ± 50 g (33.51 ± 1.76 oz.)
Dual A/C:
1,150 ± 50 g (40.56 ± 1.76 oz.)
***1: Condenser Part No.: 88460–60280**
***2: Condenser Part No.: 88460–60260**

(e) Inspect for leakage of refrigerant.