

GENUINE RENEWAL PART

Refrigerator & Freezer Products

REPLACEMENT COMPRESSOR KIT
WR87X10111

Pg 1/3

SERVICE INSTRUCTIONS - 162D3539P239

IMPORTANT SAFETY INFORMATION

BEFORE cutting or using a torch on refrigerant tubes, recover the refrigerant from the system using approved recovery equipment.

NEVER charge new refrigerant through the purge valve. This valve is always located on the high pressure side of the system.

NEVER apply heat from any source to a container of refrigerant. Such action will cause excessive pressure in the container.

ALWAYS wear goggles when working with refrigerants and nitrogen holding charge in replacement compressor. Contact with these gases may cause injury.

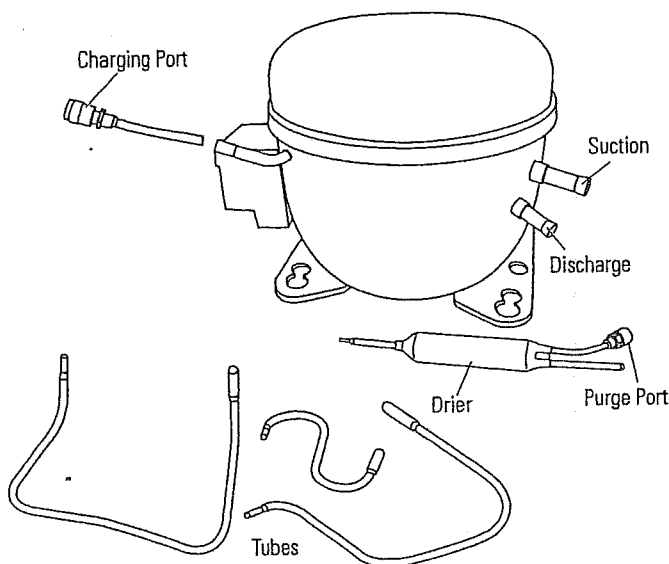


Figure 1 - Typical Replacement High-Side

1. Place shims (2-inch thick wood blocks) under the sides of the cabinet, near the rear. Remove the rear access cover.
2. Recover the refrigerant from the inoperative sealed system using approved recovery equipment.
3. Remove the screws securing the rear pan assembly to rear legs and the ground wire to compressor mounting foot.
4. Release the nitrogen from the replacement High-Side. The replacement High-Side has been pressurized with a nitrogen holding charge (less than 20 lbs.) and it does not need to be recovered.
5. Disconnect the power cord.
6. Cut discharge tube from compressor to condenser as close to compressor as possible. Also cut the suction tube to compressor as close as possible to compressor. Remove old drier by cutting halo loop as close as possible to drier. Score and break capillary tube at drier outlet.
7. Remove the inoperative High-Side. Remove the retainers securing the inoperative compressor to the unimount. Lift the compressor off the mounting studs.
8. Remove relay cover and disconnect wires from compressor. Leave the inverter and wires in the refrigerator.
9. Pinch the tube stubs closed on the inoperative High-Side to prevent spilling oil.
10. Mount the replacement High-Side. Transfer the 4 rubber grommets from the inoperative High-Side to the replacement High-Side. Position the replacement High-Side on the mounting studs. Reinstall the retainers to secure the High-Side.

Orient replacement compressor with the electrical cover in the same position as compressor being replaced.
11. Reconnect inverter wire to replacement High-Side. See REPLACEMENT HIGH-SIDE WIRING. Replace relay cover.
12. Form, clean, cut and size tubes. Plan carefully the location to cut the tubes allowing ample space for making connections. In some situations, the replacement compressor may be from a different manufacturer. Make certain of the inlet and outlet tube connections.

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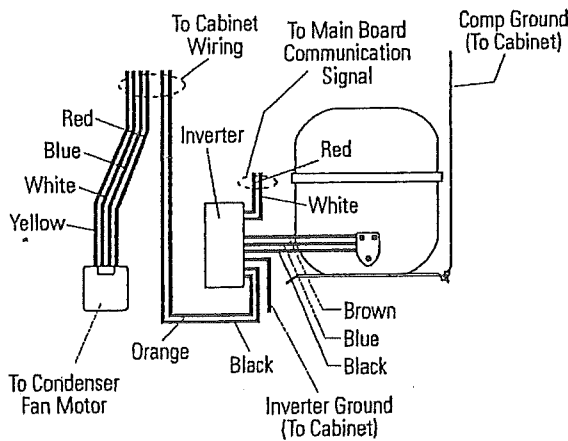
- 13. Reinstall the screws securing the pan assembly to rear legs and the ground wire to compressor mounting foot.
- 14. Connect the compressor discharge tube to condenser and suction tube to the compressor and braze joints. Also braze the pinched stubs of the inoperative High-Side.
- 15. Install new drier assembly making sure that there is sufficient space between tubing. Braze all joints. Clean and inspect joints.
- 16. Evacuate and charge the system. See EVACUATION AND CHARGING PROCEDURE.

R-134a CHARGE:

Use original factory charge quantity.

- 17. Dress the tubing to prevent rattles. Make sure wiring and tubing do not interfere with condenser fan operation.
- 18. Reinstall the rear access cover.

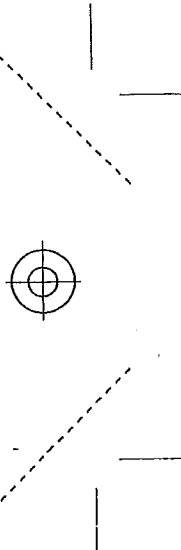
REPLACEMENT HIGH-SIDE WIRING



Inverter
 WR55X10490 Compressor Mounted
 WR55X10540 Free-Standing

EVACUATION AND CHARGING PROCEDURE

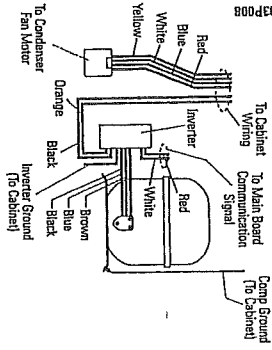
1. Attach hose from R-134a charging cylinder to process tube port on compressor.
2. Evacuate the system, using the refrigerator compressor and the recovery pump, which is attached to the new drier assembly, to a minimum 20" vacuum.
3. Turn off recovery pump, close ball valve on hose connected to High-Side port connection and add 3 ounces of R-134a refrigerant to system. Let refrigerator operate for 5 minutes circulating the refrigerant.
4. Open ball valve and recover the purge/ sweep charge using the recovery pump and the refrigerator compressor until a 20" vacuum is attained. Close the ball valve and remove the recovery hose.
5. Charge the system with the exact amount of R-134a refrigerant specified.
6. Disconnect power cord to refrigerator to allow pressure to equalize. After 3-5 minutes, the Lo-Side pressure will be positive and then the hose to charging port can be disconnected.
7. Using an electronic leak detector, check all brazed joints plus both Schraeder ports. Reinstall caps to Schraeder ports. Dress all tubing to prevent rattles.



DO NOT REMOVE THIS TAG

WR87X10111

243B233P08



Inverter
 WR55X10490 Compressor Mounted
 WR55X10540 Free-Standing

R-134a CHARGE
 SEE RATING PLATE FOR
 REFRIGERANT CHARGE.