

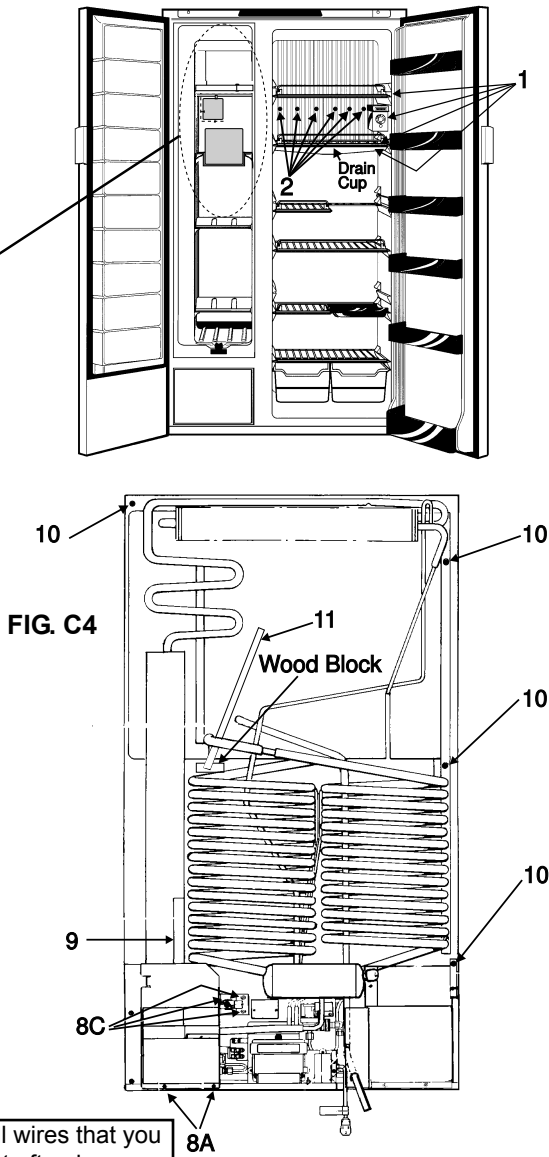
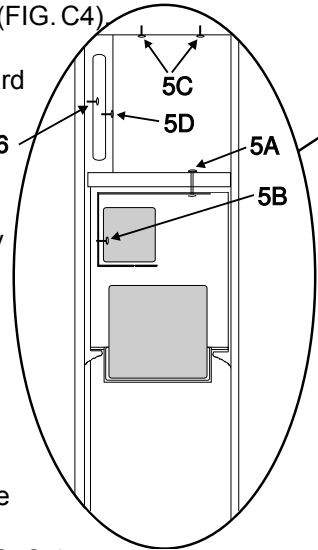
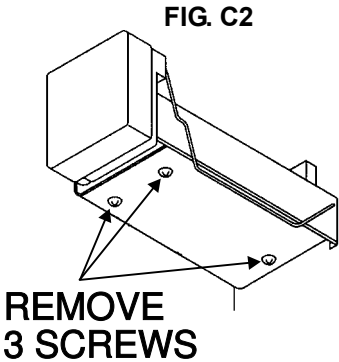
This is the print out Dometic sends to their RV tech's, we have made notes as to the different points of concerns.

NDR1272 **NDR1282 NDR1292
NDR1492 RM1272 **RM1282
** (Ice Maker Cycle/Compressor Operated)

STEP 1. REMOVAL OF COOLING UNIT

1. General Instructions for all models above.
2. Remove the two top shelves and drip tray. Disconnect interior light from side of refrigerator. Remove thermistor with bracket from fins (FIG. C1).
3. Remove cooling fins - right side first (6 screws). Pull out drain cup and remove tube (FIG. C1).
4. **Models with Ice Maker:** Remove cycle from shelf plate (3 screws) (FIG. C2). Lift cycle off shelf. Unplug the cable and move out of cabinet until you are ready to reinstall. Disconnect the electrical cable from back of refrigerator and pull out from inside.
5. **All Models:** Follow Steps 5 – 11.
6. Remove freezer plates (FIG. C3).
 - A. Two screws with nuts (hexagon)
 - B. Two screws (side)
 - C. Two screws (top)
 - D. Two screws (side)
7. After freezer plates are re moved, take out 4 screws holding the cooling unit to circulation tube (FIG. C3). Remove plastic cover plate on the back of freezer.
8. Lay refrigerator face down on two 2x4's to protect handles and frame from damage.
9. Removal of controls at rear of refrigerator (FIG. C4)
 - A. Two screws (plate protections)
 - B. Two screws (mounting plate circuit board - (not shown)
 - C. Three screws (gas valve bracket)
 - D. Three screws (burner assembly - not shown)
10. Remove heater cover, heaters (2) and any other parts that interfere with the removal of cooling unit.
11. Remove screws holding cooling unit to the cabinet (5).
12. Apply leverage as shown and pull out (FIG. C4).
13. Remove the ground wire (white) from bottom of old cooling unit and place on new one.

Note: Before cooling unit is placed in the refrigerator cabinet, check the tapped screw holes. See FIG C3 #6. Paint can fill the holes and make replacement of screws impossible. See FIG. C4.



Remember any refrigerators installed a slide room must have fans and the fans must run to remove any an all heat from behind refrigerator. Also not all refrigerators are installed with correct baffling to allow all in coming air to go through cooling unit coils and the upper condenser fins, a must.

1. Apply a bead of the Thermo Mastic (supplied) to the tubing.
2. Place cooling unit in cabinet and replace frame screws.
3. Replace components removed.
4. Stand refrigerator upright. Re-install in cabinet.
5. Replace all screws in refrigerator. Proceed to finish install and LP gas line connect. Leak check□
6. Ready to test refrigerator. Place in AC Mode.. leak check all gas fittings. Repair all gas leaks.

After completion of cooling unit install, be sure all screws in the fins are tight. The most important part is the thermal mastic (cold transfer compound) was used on the exposed tubes in the foam pack and the freezer bar on freezer side.



WARNING

Do not use a flame to check for gas leaks.



be sure to label all wires that you remove. This most often is a problem later. Label all wires.

STEP 3. PREPARING THE COOLING UNIT FOR THE ICE MAKER (Models with ice makers)

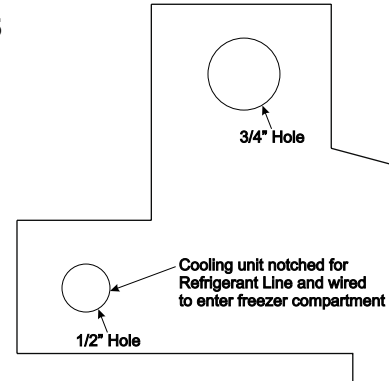
1. **Models with compressor assist ice making**, require a groove to be cut in the foam block to allow a path for the refrigerant line and wire harness. This groove needs to be present before the cooling unit can be fitted into the cabinet. Models without the compressor should proceed to number 6.
2. The cooling unit frame is manufactured with a notch cut into it. This notch is where the refrigerant line and wire harness will pass through once the foam block is cut away. Use a hacksaw and make the groove on the right hand side of the foam block. The groove should be the same dimensions as the notch in the frame. See FIG. C5 & C7.
3. The cooling unit can be installed into the refrigerator. See Section A, Category #1, Step 2, 1-5.
4. Before the shelves and other interior parts are placed into the cabinet, the opening for the ice maker water line must be made through the foam block of the cooling unit. Look at the defective cooling unit to determine the approximate location and angle to drill the hole in the new cooling unit. The hole is drilled from the interior of the cabinet out through the rear of the refrigerator. Use a 3/4" by 8" long drill bit to make the hole. Be careful not to drill into any refrigerant lines, causing a leak. See FIG. C6.
5. Proceed to number 8.
6. **Models without compressor**, the cooling unit can be installed into the refrigerator. Before the shelves and other interior parts are placed into the cabinet, the opening for the ice maker water lines and power cords must be made through the foam block of the cooling unit. Look at the defective cooling unit to determine the approximate location and angle to drill the hole in the new cooling unit. The two holes are drilled from the interior of the cabinet out through the rear of the refrigerator. Use a 1/2" and 3/4" by 8" long drill bit to make the two holes. Be careful not to drill into any refrigerant lines, causing a leak. See FIG. C6.
7. The wire harness is routed from the inside of the freezer compartment through the 1/2" hole. Pull the wire harness through the back wall of the freezer compartment. Leave sufficient length of wires (about 8") to connect to the cycle. Follow the same path that was used before by the wire harness and reconnect it to the solenoid and power cord.
8. Route the water line from the water solenoid up the rear of the refrigerator. Insert the fill tube from the rear through the 3/4" hole. Use permagum to make an air tight seal around the wire harness and water fill tube. Seal both the outside and inside. If the water line is not attached to the fill tube it should be connected now. Make sure that the same routing is followed between the water solenoid and fill tube. If the water line has heat tape, be sure it is in place. Use aluminum foil tape to cover and seal the water line and wire harness to the back of the cabinet. See

Take your time to do a great cooling unit change out. The most important part of the change out is thermal mastic used Correct and a good seal around the foam pack with thermomastic or devon grey sealant.

ice cycle. Install the cycle using the screws removed. Make sure the end of the water fill tube will allow water to enter the cycle inlet, and is free from touching the sides or bottom. This will allow the water to drain completely out of the fill tube and prevent freezing.

10. Return to Section C, Category #3, Step 2, #3.

FIG. C5



Not all models have Ice Makers so new cooling unit foam pack have not holes

FIG. C6

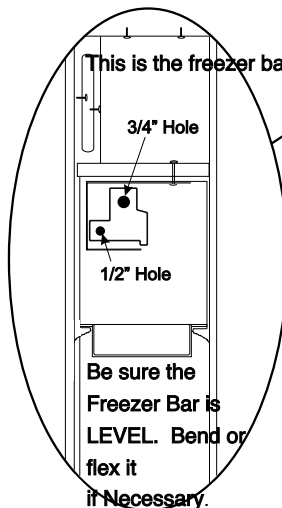


FIG. C8

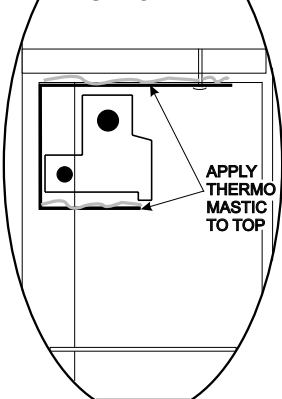


FIG. C7

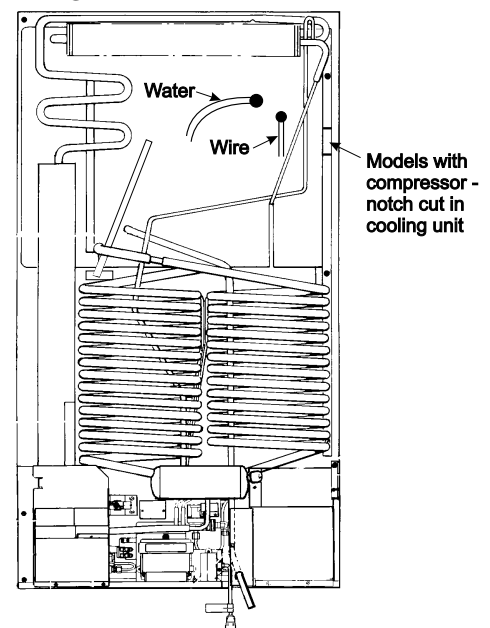


FIG. C7. On some refrigerators after the defective cooling is removed may need some foam removal from the refrigerator cavity so the replacement cooling unit new foam pack will fit all the way to the bottom depth. After you have applied the bead of thermal mastic to exposed tube in foam pack and if any is left you can use around side of foam pack along with the sprayed foam. When you spray foam around the sides of the cavity you can also spray around the opens for freezer bar and fin locations to give a better seal and fit.