



KIT PART NUMBER 4844040

INSTRUCTIONS FOR FOR INSTALLING:
FREEZER EVAPORATOR FAN TIME DELAY AND FREEZER TOP SHROUD
ON 484, 485, 486, 784, 785 & 786 FROZEN FOOD MODULES (DOMESTIC)

CHECK THE PARTS RECEIVED IN THE KIT WITH THE PARTS LIST IN THESE INSTRUCTIONS. IF ANY PARTS ARE MISSING, CONTACT THE NATIONAL VENDORS PARTS DEPARTMENT IMMEDIATELY.

Read these instructions carefully before starting the installation.
Keep these instructions for part numbers and for future reference.

This kit contains the following :

PART NUMBER	DESCRIPTION	QUANTITY
1571035	STANDOFF - PCB - 3/8 SNAP LOCK	4
1709006	JUMPER - MAIN SW. TO BREAKER	1
2204513	WIRE TIE - #PLT 1.5IM	1
3104053	TAPE - INSULATION	8"
4114010	SCREW - #8-15 X .75 J- S.S.	2
4402038	SCREW - #8-15 X .38 STAINLESS	2
4744031	SEAL - .50 X .50	183"
4744056	SCREW - #8-18 X 2.00 LG - TAP HHS	1
4840071	INSTRUCTIONS - INSTALLATION - KIT - 4844040	1
4844034	SHROUD - TOP - FREEZER	1
4844036	PLATE - TRIAC & RELAY	1
7844004	TIME DELAY - EVAP FAN - FREEZER - 5 MIN	1
4844042	BRACKET - EVAPORATOR SHROUD	2
4974053	THERMOSTAT - AUTO RESET - FRZR MOD	1
6138181	WASHER - PLATE	1



NOTE

Remove all products from the Frozen Food Module before starting this installation procedure.

Part I. Freezer Evaporator Fan Time Delay Installation (see figure 1)

1. Turn power OFF before starting this installation.
2. Remove the triac & relay plate from the refrigeration module.
3. Remove the triac board from the triac & relay plate, and install it on the new triac & relay plate (4844036) using 4 PCB standoffs (1571035).
4. Install the new triac & relay plate (4844036) on the refrigeration module using the screws that held the old triac & relay plate.
5. Remove the relay (9989677) from the old triac & relay plate and install it on the new plate in the orientation shown, using the two (2) screws that held the relay on the old plate.
6. Discard the old plate.
7. Install the freezer evaporator fan time delay (7844004) on the triac & relay plate as shown using a plate washer (6138181) and a #8-18 x 2.00 long tap screw (4744056).

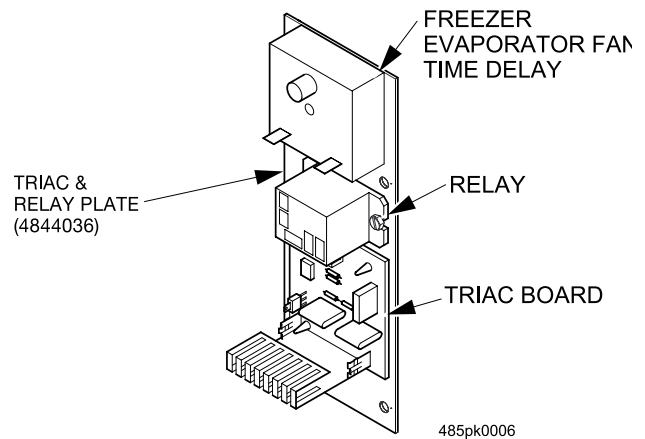


Figure 1



Part II. Wiring Changes (see figure 2)

1. Disconnect the wire (should be pink) attached to the NC terminal on the relay and connect to terminal 3 on the freezer evaporator fan time delay (7844004).
2. Connect one end of the jumper (1709006) to the NC terminal on the relay (where the wire disconnected in the previous step was attached). Connect the other end of the jumper to terminal 1 on the freezer evaporator fan time delay (7844004).
3. Secure the jumper (1709006) to a wiring harness with a wire tie, 2204513. Cut off the excess part of the wire tie.

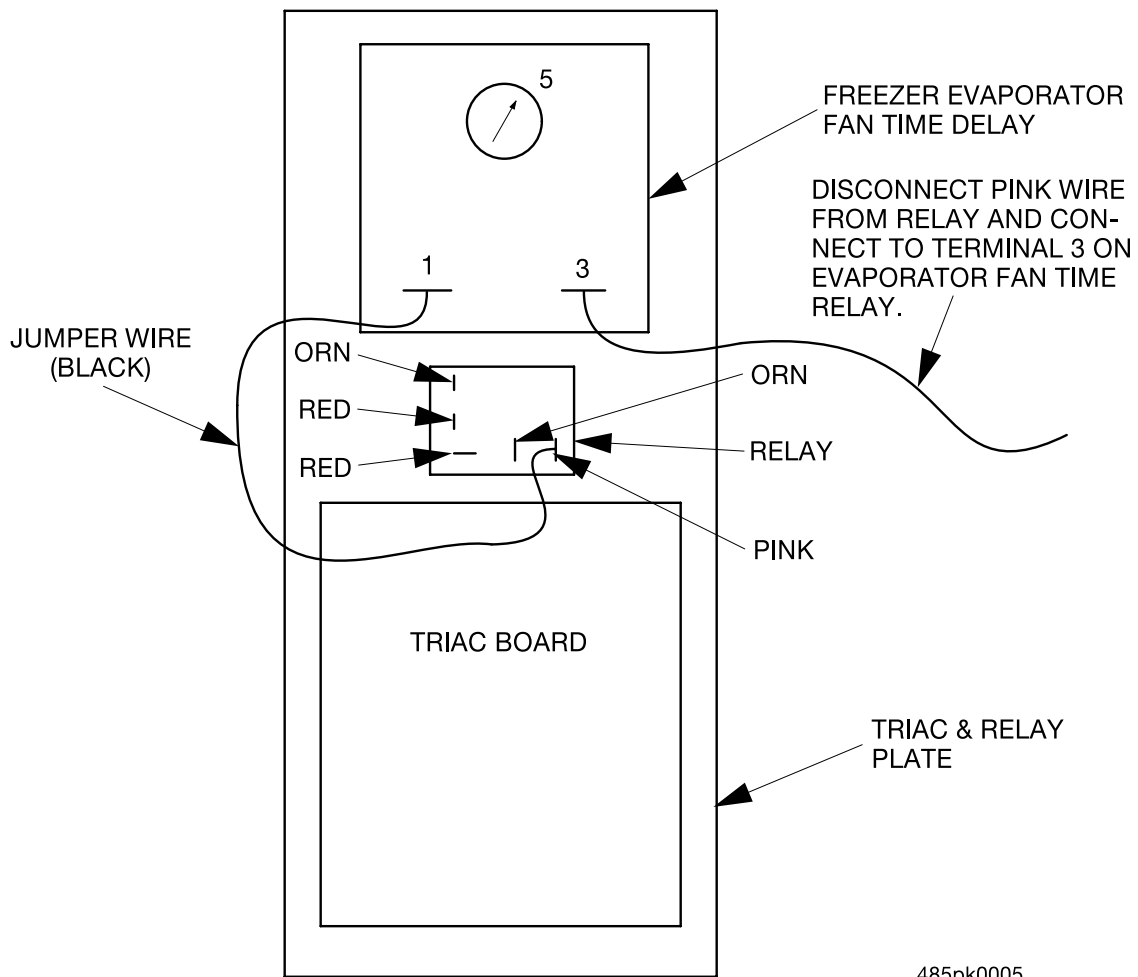


Figure 2



Part III. Freezer Top Shroud Installation (see figure 3)

1. Remove wiring connections to the refrigeration module and to the frozen food module and mark as necessary for reattachment.
2. Remove the frozen food module/ refrigeration module assembly from the cabinet.
3. Remove the frozen food trays from the frozen food module.
4. Disassemble the frozen food module from the refrigeration module, removing and saving all necessary screws. Set the frozen food module aside, placing it on its back to avoid damage.
5. Remove any gasket or other material on the refrigeration module where the frozen food module mates to the refrigeration module.
6. Remove and discard the top shroud, saving the three (3) screws.
7. Install the new freezer top shroud (4844034) with the three (3) screws removed previously.
8. Install the new evaporator shroud brackets (4844042) as follows: Insert two (2) #8-18 x .75 stainless steel screws through the short end of the angle into the refrigeration module back, and two (2) #8-15 x .38 stainless steel screws through the long end of the angle into the top shroud.
9. Remove the cork tape surrounding the old thermostat.
10. Disconnect the electrical connection for the old thermostat. Mark if necessary.

NOTE

Ensure that the Frozen Food Module is placed on its back to avoid damage to the sheetmetal parts on the bottom of the module.

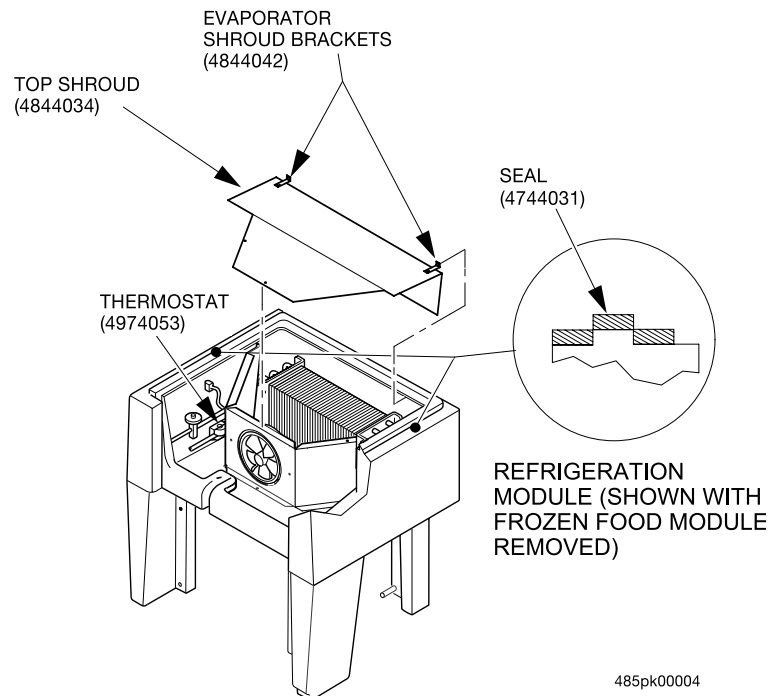


Figure 3



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11. Remove the old thermostat wiring harness from the wiring clamp.
 12. Replace the old thermostat with the new thermostat (4974053). Place the thermostat as close to the evaporator bypass cutoff sheetmetal as possible.

NOTE

Ensure that the new thermostat sensor cradles the suction tube.

13. Apply new cork tape around the new thermostat.

NOTE

Ensure that the cork tape completely encloses the new thermostat.

14. Connect the new thermostat electrical connection to the harness as previously disconnected.
15. Place the new thermostat wiring harness into the wiring clamp.

16. Place seal (4744031) around the lips of the refrigeration module.
17. Place a bead of silicone sealant around the intersection between the insulation sheet and the refrigeration module.
18. Place a large bead of silicone sealant across the insulation sheet top and the seal around the refrigeration module.
19. Replace the frozen food module onto the refrigeration module, taking care not to damage the seal on the refrigeration module. Reinstall all screws that were previously removed.
20. Replace the frozen food module/ refrigeration module assembly back into the cabinet.
21. Reconnect the wiring that was previously removed.
22. Turn power on to the cabinet.