



The Sign of Comfort

# ICE MAKER HEATER TAPE INSTALLATION INSTRUCTIONS

## Kit Number

## Model Number

3106868.007 Heater Kit  
for Refrigerators w/o  
Universal Board

RM3662, RM3663, RM3862, RM3863  
RM4872, RM4873, NDR1062

3108706.080 Heater Kit  
for Refrigerators w/o  
Universal Board

RM7732, NDR1272, NDR1282  
NDR1292, NDR1492

3106868.015 Heater Kit  
for Refrigerators with  
Universal Board

RM2652, NDR1062  
RM2852, RM2862, RM3863

3106868.023 Heater Kit  
for Refrigerators with  
Universal Board

NDR1292, NDR1402, NDR1492

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519-653-4390

For Service Center  
Assistance Call:  
800-544-4881

## ! WARNING

This Manual should be read and understood before installation, adjustment, service or maintenance is performed. This unit must be installed and serviced by a qualified serviceman. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

## INSTALLATION INSTRUCTIONS

## MODELS

3108706.080  
3106868.007  
3106868.015  
3106868.023

Covered under Patent #  
5,911,748

### REVISION

Form No. 3108435.037 6/04  
(Replaces 3108435.029  
(French 3109553.010)  
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LaGrange, IN 46761



## SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce the risk of accidents and injuries.

### RECOGNIZE SAFETY INFORMATION



This is the safety-alert symbol. When you see this symbol in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating instructions.

### UNDERSTAND SIGNAL WORDS

A signal word, **WARNING** OR **CAUTION** is used with the safety-alert symbol. They give the level of risk for potential injury.

**⚠ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** Indicates a potentially hazardous situation which, if not avoided may result in minor or moderate injury.

**CAUTION** When used without the safety alert symbol indicates, a potentially hazardous situation which, if not avoided may result in property damage.

Read and follow all safety information and instructions.

## GENERAL INSTRUCTIONS

### ⚠ WARNING

These instructions must be read and understood before installation of this kit. This kit must be installed by a Dometic Service Center or a qualified service technician. Modification of this product can be extremely hazardous and could result in personal injury or property damage.

**A.** Product features or specifications as described or illustrated are subject to change without notice.

### **B. Precautions**

1. Read instructions carefully before attempting to start installation.
2. Dometic Corporation will not be liable for any damages or injury incurred due to failure in following these instructions.
3. Installation must comply with the National Electrical Code and any State or Local Codes or regulations.
4. This equipment must be installed by qualified personnel and some states require these people to be licensed.



## INSTALLATION INSTRUCTIONS

### A. 3108706.080 & 3106868.007 Ice Maker Heater Tape (Covered under Patent # 5,911,748)

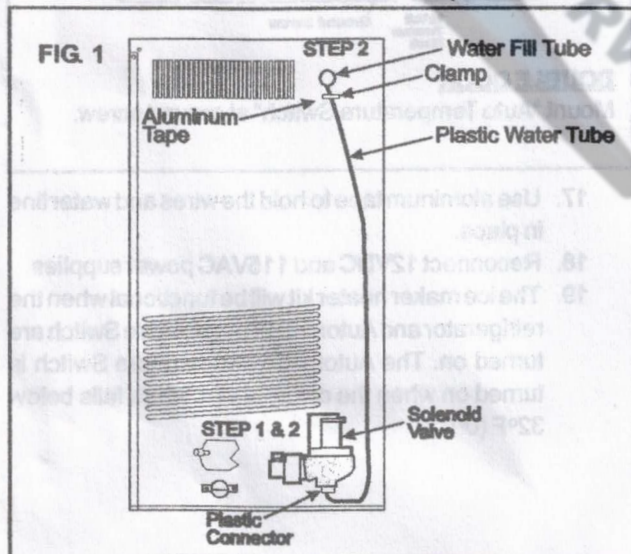
#### ⚠ WARNING

Disconnect 115 volt AC and 12 volt DC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.

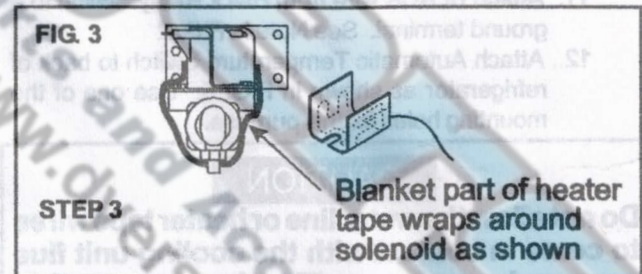
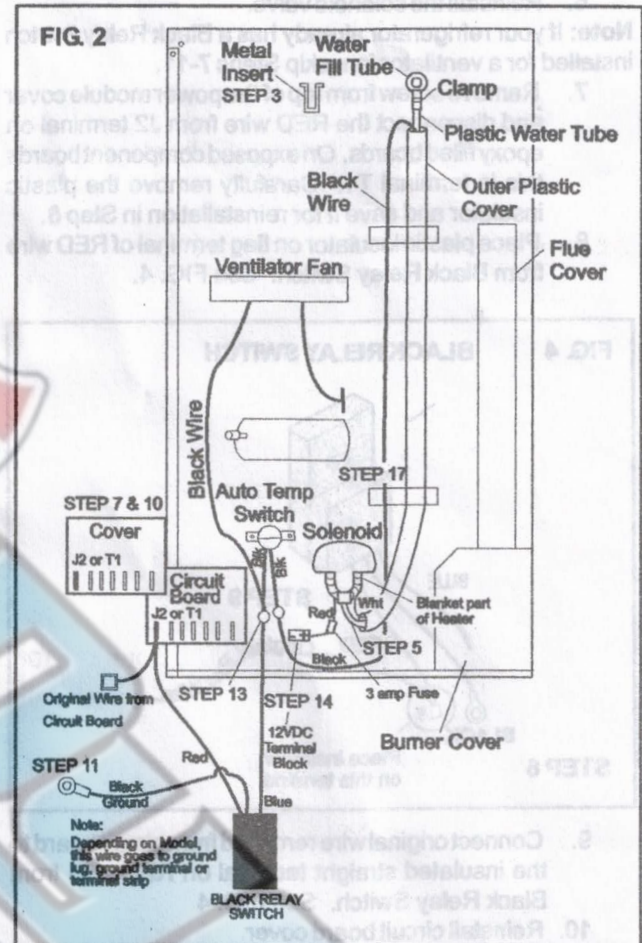
#### ⚠ WARNING

Use only the 3106868.007 or 3108706.080 Heat Tape Kits. Any heat tape or components not approved by Dometic may melt the plastic water tube or cause a fire.

1. Shut off the water supply to the ice maker solenoid.
2. Remove the aluminum tape covering the water fill tube and remove the clamp that secures the plastic water tube to the water fill tube. Carefully remove the plastic water tube. Unscrew the plastic connector at the bottom and separate the plastic water tube from the solenoid valve. Remove the plastic connector. And save for reinstallation in Step 3. See FIG. 1



3. Place one metal insert into the new plastic water tube. Connect the new plastic water tube to the water fill tube using the clamp removed in Step 1. See FIG. 2.
4. Remove the solenoid valve and wrap the heater blanket around the valve. It may be necessary to disconnect the inlet water line. See FIG. 3.
5. Place one metal insert into the solenoid valve end of the plastic water tube and connect it to the water solenoid using the plastic connector (Finger tighten only. Do not over tighten.). See FIG. 2.



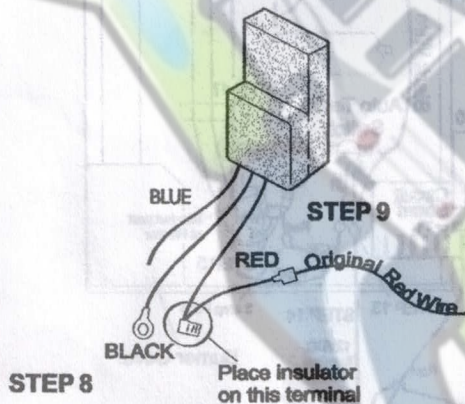


6. Reinstall the solenoid valve.

**Note:** If your refrigerator already has a Black Relay Switch installed for a ventilator fan, skip Steps 7-11.

7. Remove screw from top of the power module cover and disconnect the RED wire from J2 terminal on epoxy filled boards. On exposed component boards this is terminal T1. Carefully remove the plastic insulator and save it for reinstallation in Step 8.
8. Place plastic insulator on flag terminal of RED wire from Black Relay Switch. See FIG. 4.

**FIG. 4 BLACK RELAY SWITCH**



9. Connect original wire removed from circuit board to the insulated straight terminal on RED wire from Black Relay Switch. See FIG. 4
10. Reinstall circuit board cover.
11. Attach BLACK wire from Black Relay Switch to a ground terminal. See Note in FIG. 2
- 12.. Attach Automatic Temperature Switch to back of refrigerator as shown in FIG. 5. Use one of the mounting holes for this purpose.

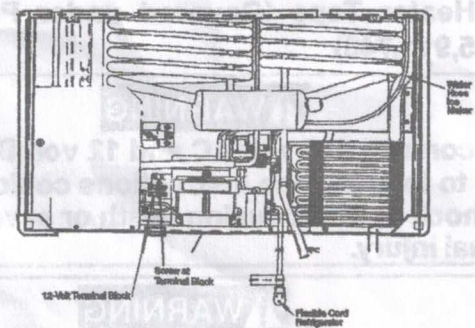
### CAUTION

**Do not allow the water line or heater tape wires to come in contact with the cooling unit flue cover or burner cover. They become very hot during operation.**

13. Connect one BLACK wire from Automatic Temperature Switch to BLUE wire of Black Relay Switch. See FIG. 2. If the refrigerator already has a ventilator fan installed, the BLACK wire from the fan will also be connected here. Connect the other BLACK wire from Automatic Temperature Switch to the BLACK wire from Heater Tape. See FIG. 2.
14. Connect the RED wire from the Heater Tape directly to 12VDC+ at the Terminal Block. See FIG. 2.
15. If not previously installed, remove the protective paper from the adhesive strip on the back of the Black Relay Switch and press into place in a convenient location.
16. Check all electrical and water connections for proper fit.

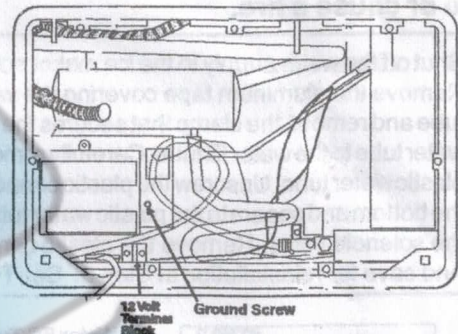
**FIG. 5**

**STEP 11**



### SIDE BY SIDE

Mount "Auto Temperature Switch" at screw just above terminal block.



### DOUBLE DOOR

Mount "Auto Temperature Switch" at ground screw.

17. Use aluminum tape to hold the wires and water line in place.
18. Reconnect 12VDC and 115VAC power supplies.
19. The ice maker heater kit will be functional when the refrigerator and Automatic Temperature Switch are turned on. The Automatic Temperature Switch is turned on when the cavity temperature falls below 32°F (0°C).



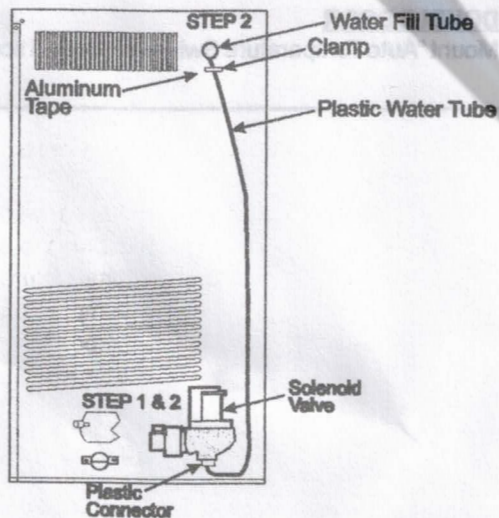
**INSTALLATION INSTRUCTIONS****B. 3106868.015 & 3106868.023 Ice Maker Heater Tape Kit For Dometic Refrigerators with the 3850415013 Universal Power Module (Covered under Patent # 5,911,748)****⚠ WARNING**

**Disconnect 115 volt AC and 12 volt DC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.**

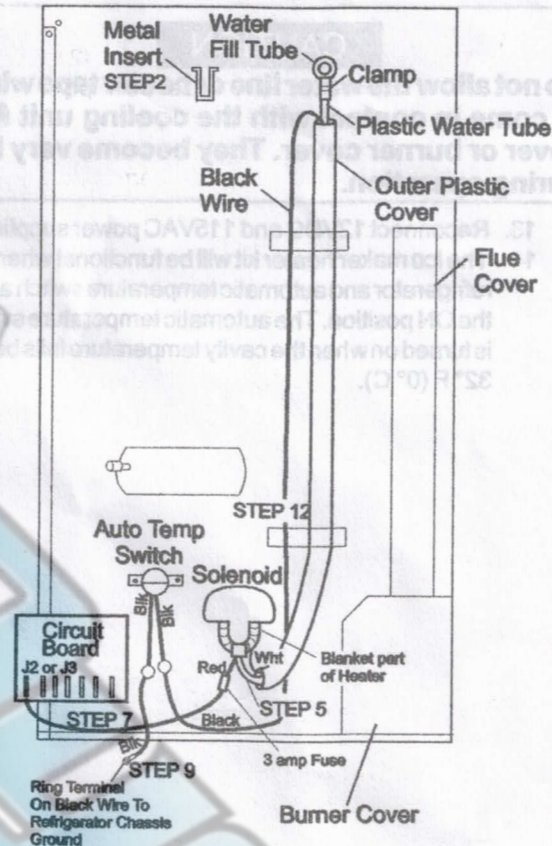
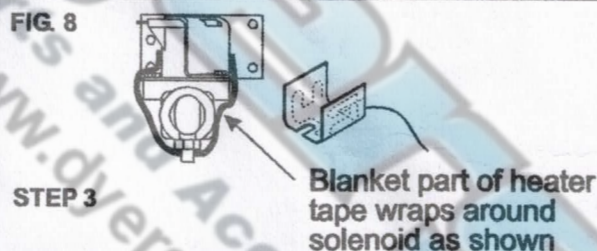
**⚠ WARNING**

**Use only the 3106868.015 or 3106868.023 Heat Tape Kits. Any heat tape or components not approved by Dometic may melt the plastic water tube or cause a fire.**

1. Shut off the water supply to the ice maker solenoid.
2. Remove the aluminum tape covering the water fill tube and remove the clamp that secures the plastic water tube to the water fill tube. Carefully remove the plastic water tube. Unscrew the plastic connector at the bottom and separate the plastic water tube from the solenoid valve. Remove the plastic connector and save for reinstallation in Step 3. See FIG. 6.

**FIG. 6**

3. Place one metal insert into the new plastic water tube. Connect the new plastic water tube to the water fill tube using the clamp removed in Step 1. See FIG. 7.
4. Remove the solenoid valve and wrap the heater blanket around the valve. It may be necessary to disconnect the inlet water line. See FIG. 8.
5. Place one metal insert into the solenoid valve end of the plastic water tube and connect it to the water solenoid using the plastic connector (Finger tighten only. Do not over tighten.). See FIG. 7.

**FIG. 7****FIG. 8**

6. Reinstall the solenoid valve.
7. Remove screw from top of the power module cover. Place (insulated flag terminal from the heat tape onto J3 (open terminal) on board.
8. Reinstall circuit board cover.
9. Attach wire with ring terminal from auto temperature switch to a Refrigerator chassis ground terminal.
10. Attach automatic temperature switch to back of refrigerator. Use one of the mounting holes for this purpose. See FIG. 9.
11. Check all electrical and water connections for proper fit.



12. Use Aluminum tape to hold wires and water line in place.

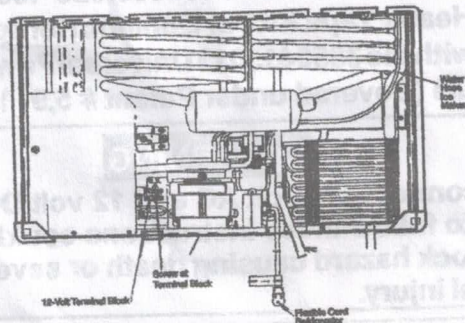
### CAUTION

**Do not allow the water line or heater tape wires to come in contact with the cooling unit flue cover or burner cover. They become very hot during operation.**

13. Reconnect 12VDC and 115VAC power supplies.
14. The ice maker heater kit will be functional when the refrigerator and automatic temperature switch are in the ON position. The automatic temperature switch is turned on when the cavity temperature falls below 32° F (0° C).

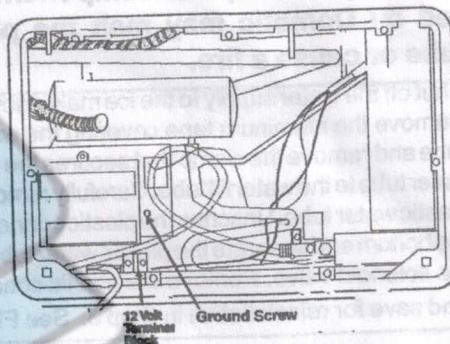
FIG. 9

STEP 11



### SIDE BY SIDE

Mount "Auto Temperature Switch" at screw just above terminal block.



### DOUBLE DOOR

Mount "Auto Temperature Switch" at ground screw.