



Condensate Pump Kit

3312328.002

used with

Air Conditioner Model

620525.331, 620525.336, 620526.331, 620526.336

621815.331, 621815.336, 621816.331, 621816.336

OR

Heat Pump Model

630515.331, 630515.336, 630516.331, 630516.336

631815.331, 631815.336, 631816.331, 631816.336

OR

Dehumidifier Model

611812.331

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WARNING

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

AVERTISSEMENT

Lire et comprendre ce manuel avant de procéder à l'installation, à des réglages, de l'entretien ou des réparations. L'installation de cet appareil doit être effectuée par un réparateur qualifié. Toute modification de cet appareil peut être extrêmement dangereuse et entraîner des blessures ou dommages matériels.

INSTALLATION INSTRUCTIONS

Condensate Pump Kit
3312328.002

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. This condensate pump is only functional with the models listed on the front page. The condensate pump should not be added to any air conditioner/heat pump/dehumidifier (hereinafter referred to as the "unit") not listed in this manual. Product features or specifications as described or illustrated are subject to change without notice.

B. Tools Required:

Cordless Drill W/Phillips Bit
Needle Nose Pliers
5/16" Nut Driver
Wire Cutter/Stripper
Electrical Tape

C. Contents of Kit:

1 each Condensate Pump Assembly
2 each Screws #10-18 x 0.5"
1 each Terminal Adapter (used on A/C models only)
2 each Strips Sealing Compound 3"
1 each Hose Clamp
1 each Instructions

INSTALLATION INSTRUCTIONS

A. Precautions

1. Read instructions carefully before attempting to start installation.
2. Dometic, LLC 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 ANSA/NFPA-70 and CSA Standard C22.1 (latest edition) 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.

B. Requirements

1. The unit should be level within 1.5° side to side and front to back. If the unit is not level within these parameters, condensation will overflow thru the back up overflow opening on the curb side of the unit. See FIG. 2.
2. A 1/2" I.D. drain hose must be installed in the coach and routed to the 14-1/4" x 14-1/4" (± 1/8") opening, where the pump is to be installed.

C. Procedure

1. Disconnect all 120 VAC and 12 VDC power at their sources or at the breakers.

⚠ WARNING

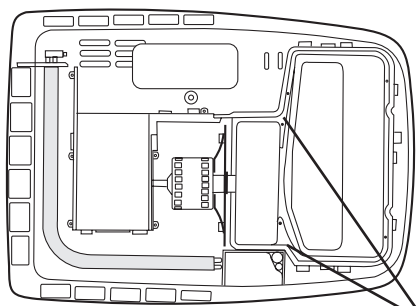
Disconnect 120 VAC. Failure to follow these instructions could create a shock hazard causing death or severe personal injury.

CAUTION

Disconnect the positive (+) 12 VDC terminal at the supply battery. Damage to equipment could occur if the 12 VDC is not shut off.

2. Remove outside shroud to expose the condenser and evaporator plastic covers.
3. Remove the screws that secure the plastic evaporator cover to the lower evaporator housing. See FIG. 1.

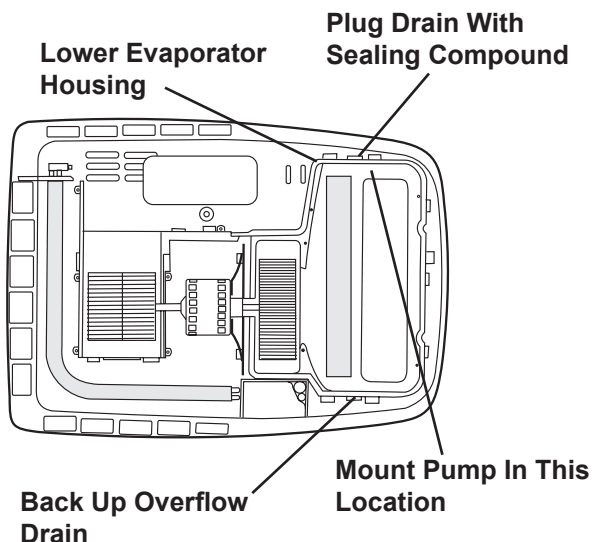
FIG. 1



**Remove Screws
From Evaporator
Coil Cover**

4. Unfasten clips and remove the evaporator cover exposing the lower evaporator housing. See FIG. 2.

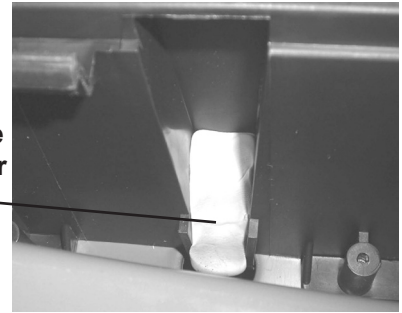
FIG. 2



5. Using the two pieces of sealing compound (provided), plug the drain hole on the compressor side of unit. See FIGS. 2 & 3.

FIG. 3

**Plug Drain Hole
On Compressor
Side Of Unit**



6. Using cordless drill with 5/16" drive, mount the pump assembly with discharge port (larger tubing) located on top inside of the evaporator housing with the two #10-18 x 0.5" screws provided. Space a 1/4" gap between the pump and the return air opening rib. Be sure it doesn't hit lower evaporator housing front wall. See FIG. 4.

FIG. 4

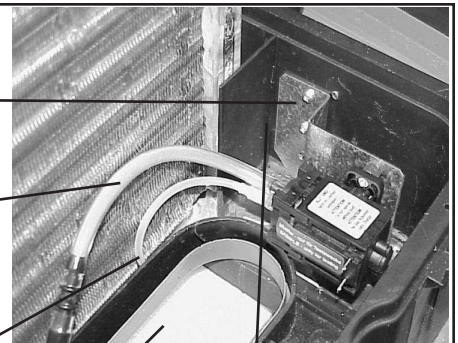
**Mount
Pump With 2
Screws**

**Large Hose
Located At
Top Of Pump**

**Place Suction
Hose Filter Under
Evaporator
Coil**

**Return Air
Opening Rib**

**Leave 1/4" Space Be-
tween Return Air Opening
Rib And Pump**



7. Place the suction line (lower pump hose) with filter under the evaporator coil. See FIG. 4.

Note: The condensate pump is designed to operate when the unit is installed within 1.5° side to side and front to back. If unit is installed with a slope greater than 1.5°, the water level may never reach the suction hose, and flow out the auxiliary drain onto the roof.

D. Wiring Installation

1. Remove cover from the electrical box.
2. Remove the strain relief and route the wires from the pump into the electrical box through the strain relief. Replace strain relief. See FIG. 5.

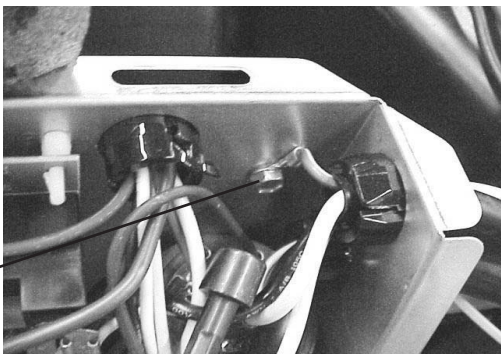
FIG. 5



**Remove Strain Relief And Route Pump Wires Into Electrical Box
Replace Strain Relief**

3. Connect the green wire from the pump to the grounding screw in the electrical box, this will result with the grounding screw having two wires attached. See FIG. 6.

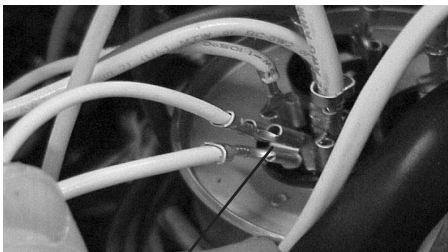
FIG. 6



Attach 2nd Wire To Ground Screw

4. Connect the white wire from the pump to the common post on the run capacitor. If there is not an empty terminal on the run capacitor, disconnect one of the other wires on the post and connect the white wire from the pump. Connect the wire previously removed to the male terminal on the (male/female) pump wire. See FIG. 7.

FIG. 7

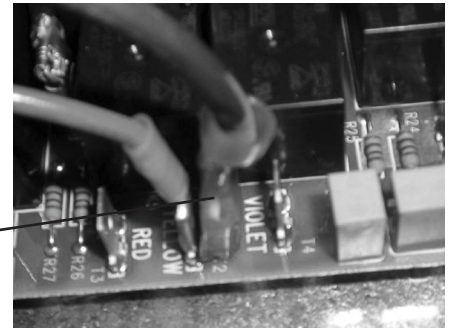


Place Pump White Wire On Capacitor Common Terminal

5. **Heat pump models 63051X.33X only. Other models go to step 6.**
In order to connect the red wire from the pump to the relay board, you must remove the black reversing valve wire from terminal labeled T2/yellow.
 - a. Connect the red wire to the relay board terminal labeled T2/yellow.

- b. Reconnect the black reversing valve wire to the male terminal of the combo (male/female) on the red pump wire. See FIG. 8.

FIG. 8



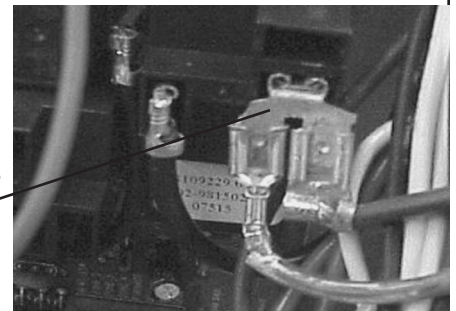
Connect The Red And Black Wire Combo On T2/Yellow

6. **Models 62052X.33X, 63181X.33X, 62181X.33X and 611812.331. Models 63051X.33X go to step 5.**
 - a. Remove the compressor blue wire from the compressor relay on the board.
 - b. Using the terminal adapter (provided) connect the blue compressor wire on one of the male terminals of the adapter.
 - c. Connect the red wire from the condensate pump to the remaining male terminal on the adapter.
 - d. Connect the female end of the terminal adapter to the compressor relay.

Note: Make sure the adapter terminal is bent at an 85° to 90 ° angle, insuring that the wires will not touch any electrical device or the cover for the electrical box. See FIG. 9.

FIG. 9

Connect Red And Blue Wires To Terminal Adapter. Attach Adapter To Compressor Relay. Bend To 90°.



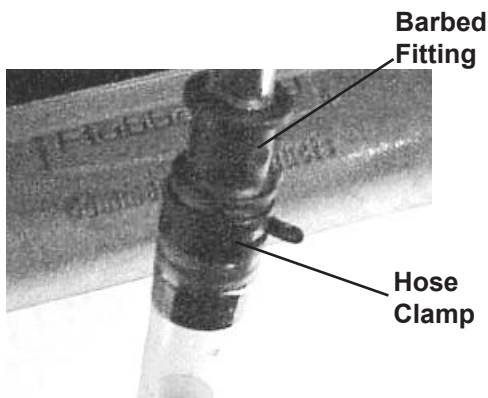
7. Check all connections for proper installation. Correct any loose, broken or shorted wiring.
8. Replace the cover back on the electrical box.
9. Apply wiring decal (provided) on the top area of the electrical box cover. Use pen or marker to check if the unit is an air conditioner, heat pump or dehumidifier.

E. Discharge Hose Connection

1. Locate end of the drain hose from the coach.
2. Place hose clamp (provided) over the coach drain hose located within the 14-1/4 " x 14-1/4" (± 1/8") opening.

3. Insert the 1/2" barbed fitting into the coach's drain hose. Secure the coach's drain hose to the barbed fitting with the hose clamp. See FIG. 10.

FIG. 10



4. Replace the evaporator cover back on the lower housing making sure it is sealed and all tabs are inserted and locked. Secure with the two screws removed earlier.

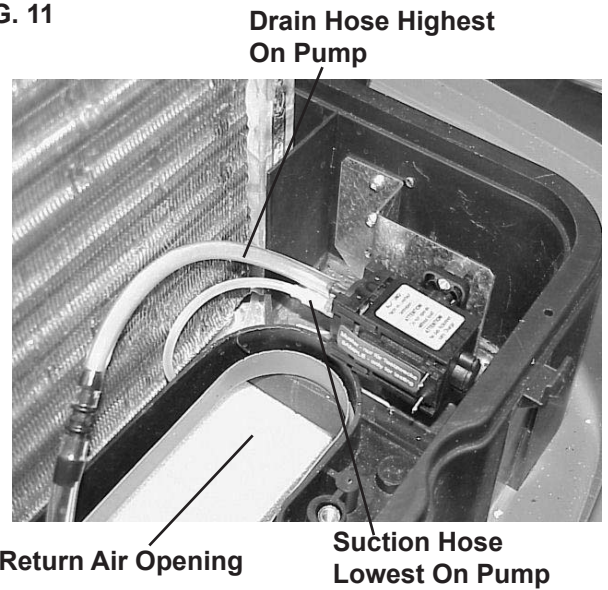
F. Winterizing The Condensate Pump

At the end of each traveling season or when the coach is placed in storage for a considerable length of time it should be winterized. The following procedure should be used:

1. Remove the return air grill. The condensate pump can be accessed through the return air opening in the unit.

2. Reach through the opening and disconnect the suction hose from the pump. Do not pull the hose out of the drain pan. Drain hose in a cup and dispose. See FIG. 11.

FIG. 11



3. Set the Comfort Control Center™ thermostat on A/C mode and low fan speed. See Comfort Control Center™ thermostat User's Guide or Operating Instructions. The temperature set point should be 5° below the inside temperature of the coach.
4. Allow the unit to run for 5 minutes. The pump will be noisy without the suction hose attached.
5. Set the Comfort Control Center™ to off.
6. Reconnect the suction hose to pump.
7. Replace the return air grill.

WIRING DECAL

