

INSTALLATION INSTRUCTIONS

DMH1072

HYBRID REFRIGERATOR ABSORPTION COOLING SYSTEM UPPER FOOD STORAGE COMPARTMENT COMPRESSION COOLING SYSTEM LOWER FOOD STORAGE COMPARTMENT (LOWER DRAWER)

WARNING FIRE OR EXPLOSION HAZARD.

If you smell gas:

1. Open windows.
2. Do not attempt to light appliance.
3. Do not touch electrical switches.
4. Extinguish any open flame.
5. Shut off fuel supply.
6. Evacuate immediately and call emergency services.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

WARNING SUFFOCATION AND ENTRAPMENT HAZARD.

Prior to disposal of refrigerator:

1. Remove fresh food and freezer doors.
2. Leave shelves and baskets in place to prevent children from easily climbing inside refrigerator.

WARNING FIRE OR EXPLOSION HAZARD.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.



Read these instructions carefully. These instructions **MUST** stay with this product.

REVISION B

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©2016 Dometic Corporation
LaGrange, IN 46761

USA

SERVICE OFFICE
Dometic Corporation
1120 North Main Street
Elkhart, IN 46514

CANADA

Dometic Corporation
46 Zatonski, Unit 3
Brantford, ON N3T 5L8
CANADA

SERVICE CENTER & DEALER LOCATIONS

Please Visit:
www.eDometic.com

INTRODUCTION

This refrigerator (hereinafter referred to as “refrigerator,” or “product”) is designed and intended for use in recreational vehicles (hereinafter referred to as “RV,” or “RVs”). This refrigerator is designed for the storage of fresh and frozen foods, as well as making ice.

This refrigerator can be installed by one person with brief help from additional personnel. Use these instructions to install the refrigerator, and to ensure correct function of product. Keep these instructions with the refrigerator for future reference.

Some graphics may show different refrigerator models, but they will still illustrate the correct procedure.

Dometic Corporation reserves the right to modify appearances and specifications without notice.

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DOCUMENT SYMBOLS



Indicates additional information that is **NOT** related to physical injury.



Indicates step-by-step instructions.

IMPORTANT SAFETY INSTRUCTIONS

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

A. Recognize Safety Information



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

B. Understand Signal Words

A signal word will identify safety messages and property damage messages, and will indicate the degree or level of hazard seriousness.

⚠ WARNING indicates a hazardous situation that, if **NOT** avoided, could result in death or serious injury.

⚠ CAUTION indicates a hazardous situation that, if **NOT** avoided, could result in minor or moderate injury.

NOTICE is used to address practices **NOT** related to physical injury.

C. Supplemental Directives



Read and follow all safety information and instructions to avoid possible injury or death.

Read and understand these instructions before [installing / using / servicing / performing maintenance on] this product.

Incorrect [installation / operation / servicing / maintaining] of this product can lead to serious injury. Follow all instructions.

The installation **MUST** comply with all applicable local and national codes, including the latest edition of the following standards:

U.S.A.

- ANSI/NFPA70, National Electrical Code (NEC)
- ANSI/NFPA 1192, Recreational Vehicles Code
- Title 24 CFR, Part 3280, Manufactured Home Construction and Safety Standard
- National Fuel Gas Code, ANSI Z223.1/ NFPA 54

CANADA

- CSA C22.1, Parts I & II, Canadian Electrical Code
- CSA Z240 RV Series, Recreational Vehicles
- CSA Z240.4, Gas-Equipped Recreational Vehicles and Mobile Housing
- CSA B149.1, Natural Gas and Propane Installation Code

D. General Safety Messages

⚠ WARNING Failure to obey the following warnings could result in death or serious injury:

- This product **MUST** be [installed / serviced] by a qualified service technician.
- Do **NOT** modify this product in any way. Modification can be extremely hazardous.
- FIRE OR INHALATION HAZARD. If refrigerator stops working and/or it emits an ammonia smell, immediately turn refrigerator OFF (if it is safe to do so), leave the vicinity, and contact a qualified Service Center.
- **ABSORPTION-COOLING-SYSTEMS. FIRE, BURN, OR INHALATION HAZARD.** Do **NOT** fracture or puncture cooling unit. The cooling unit is under pressure and contains ammonia, sodium chromate, and other chemicals. Repeated or prolonged exposure to sodium chromate could cause organ damage or cancer. Exposure to a high concentration of ammonia refrigerant could cause pulmonary edema (fluid in lungs); chemical burns to eyes, lungs, and skin; and could cause a fire (when exposed to open flame) resulting in death or serious injury.
- CARBON MONOXIDE HAZARD. Do **NOT** use this product as a free-standing unit. Operating this product using LP gas (propane) outside a correctly designed enclosure will expose you to flue gases. Exposure to flue gases could cause carbon monoxide poisoning.

PRODUCT CERTIFICATION

This appliance has been agency certified under the latest edition of ANSI Z21.19 / CSA 1.4, Refrigerators Using Gas Fuel.

NOTICE Any deviation from these instructions **MUST** have prior written approval from Dometic Corporation. Unapproved deviation **WILL VOID** the agency certification and your product warranty.



REFRIGERATOR REPLACEMENT

 Skip this section for OEM (new RV) installation, or for RVs without existing refrigerator.

A. Prepare To Remove Old Refrigerator

-  1. Unplug 120 Vac power cord from receptacle at rear of refrigerator enclosure.
2. Disconnect 12 Vdc leads from refrigerator and cap lead ends.
3. **⚠ WARNING** FIRE OR EXPLOSION HAZARD. Turn **OFF** LP gas supply at tank. Failure to obey this warning could result in death or serious injury.
Turn LP gas supply (to refrigerator) off.
4. **NOTICE** **ALWAYS** use a backup wrench when loosening or tightening LP gas connections.
Disconnect LP gas line from refrigerator and cap line.
5. **⚠ WARNING** FIRE OR EXPLOSION HAZARD. **NEVER** use an open flame to check for gas leaks. Failure to obey this warning could result in death or serious injury.
Make sure there are no LP gas leaks.

B. Remove Old Refrigerator

-  1. Remove screws anchoring the refrigerator to the enclosure.
 See Installation Instructions from old refrigerator for mounting screw locations.
2. Slide refrigerator out of its enclosure (refrigerator compartment) and remove from RV.

C. Refrigerator Disposal

-  1. **⚠ WARNING** SUFFOCATION AND ENTRAPMENT HAZARD. Remove fresh food and freezer doors from refrigerator prior to disposal. Failure to obey this warning could entrap a child and result in death or brain damage.
Leave shelves and baskets in place to prevent children from easily climbing inside refrigerator.
2. Recycle refrigerator using environmentally responsible practices.



Refrigerants **MUST** be recovered/recycled by a licensed technician who is EPA certified in refrigerant recovery and recycling procedures. Disposal **MUST** comply with all applicable local and national codes.

D. Inspect Refrigerator Enclosure

- Make sure there are no holes (other than ventilation holes) inside enclosure.
- Make sure surface for sealing strips (isolating appliance combustion system from vehicle interior) is clean and flat to allow a complete seal.
- Make sure no objects are protruding into enclosure that could contact refrigerator.
 Exceptions include utility connections for refrigerator.
- Make sure seams are sealed to prevent flue gases from leaking into living area.
- Make sure utility hookups (water, LP Gas, Electrical) for refrigerator are present and comply with all applicable codes.
- Review enclosure and venting requirements beginning with, "Prepare Refrigerator Enclosure" on page (9).
- When enclosure is verified to meet all requirements, install refrigerator. See "Install Refrigerator" on page (14).

DETERMINE REFRIGERATOR LOCATION

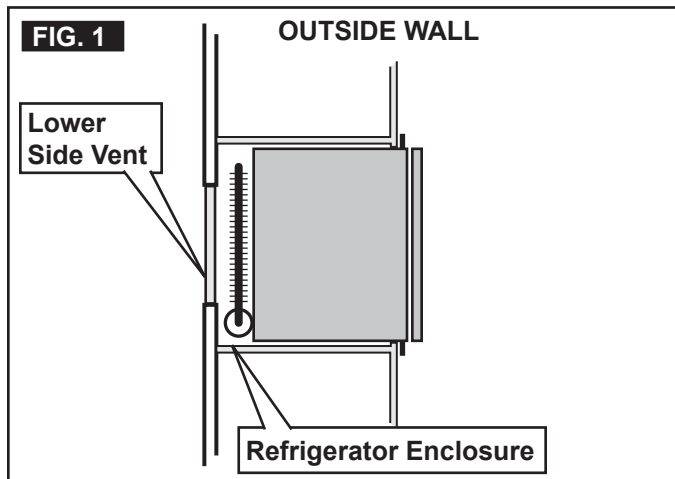
There are two basic application types for installing the refrigerator. The RV layout and dimensional constraints will be a factor in determining refrigerator location.

 See "Appendix A: Product & Enclosure Dimensions" on page (20).

A. Outside Wall Enclosure

Typical installation on outside wall of RV. See (FIG. 1).

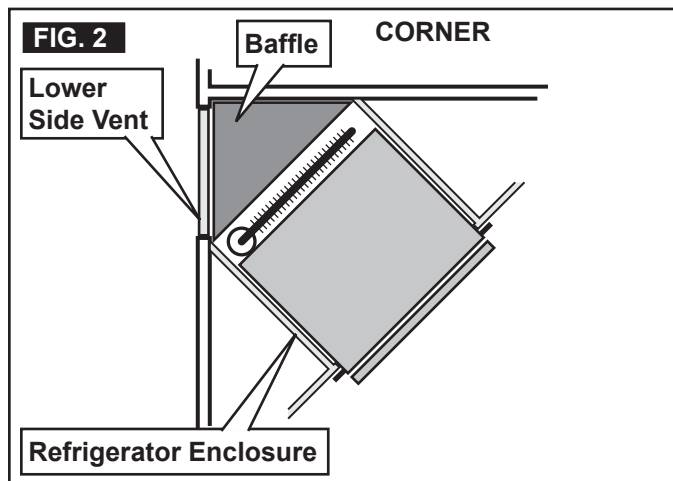
 This is the recommended location when possible.



B. Corner Enclosure

Optional installation in rear corner of RV, or in angled cabinet. See (FIG. 2).

 Refrigerator **MUST** be equipped with fan(s) to assist ventilation.



DETERMINE VENT CONFIGURATION

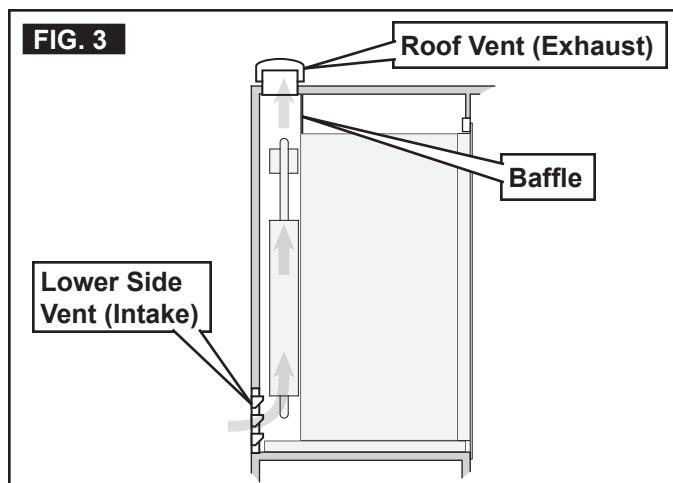
There are many possible configurations for venting the refrigerator. The location of the refrigerator and dimensional constraints will be a factor in determining vent configuration.

A. Outside Wall Venting

A refrigerator that is located on an outside wall allows a choice of three vent configurations. See (FIG. 1)

1. Lower side and straight to roof. See (FIG. 3).

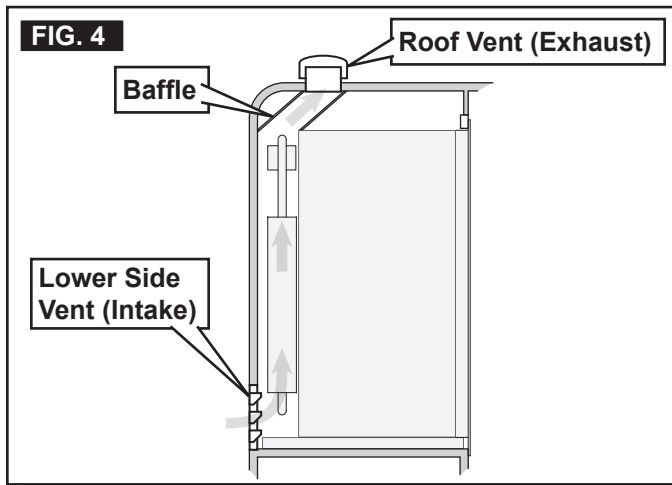
 This is the recommended configuration when possible.



DETERMINE VENT CONFIGURATION

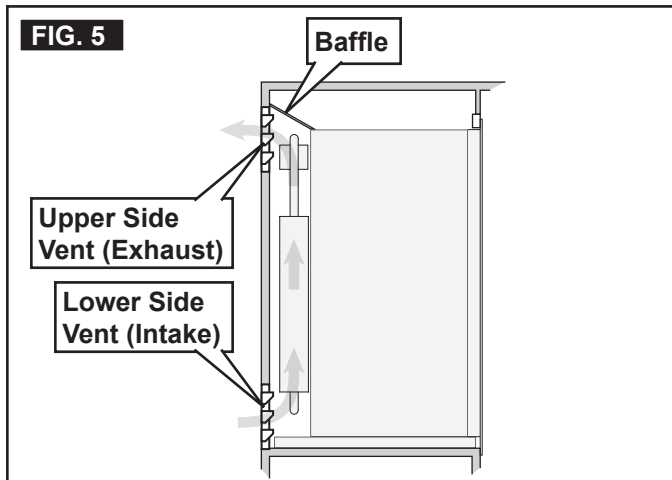
2. Lower side and offset to roof. See (FIG. 4).

i Baffles to direct air flow away from top of refrigerator and toward upper vent **MUST** be installed.



3. Lower side and upper side. See (FIG. 5).

i A baffle to direct air flow away from top of refrigerator and toward upper vent **MUST** be installed.



B. Corner Venting

A refrigerator that is located on an outside wall, but is at an angle to the wall, allows a choice of two vent configurations. See (FIG. 2).

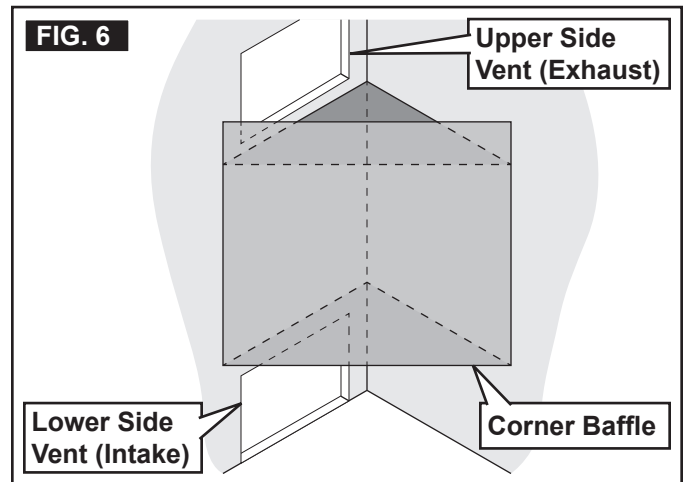
1. Lower side and straight to roof. See (FIG. 14) & (FIG. 3).

i This is the recommended configuration when possible.

A baffle (or insulation) to direct air flow away from top of refrigerator **MUST** be installed.

2. Lower side and upper side. See (FIG. 5) & (FIG. 6).

i A baffle to direct air flow away from top of refrigerator and toward upper vent **MUST** be installed.



C. Back Baffles

If gap (clearance) between refrigerator cooling unit and back wall exceeds maximum value (tolerance), a baffle **MUST** be installed to ensure correct ventilation of refrigerator.

i See "D. Clearances Around Refrigerator" on page (11).

1. OUTSIDE WALL

See (FIG. 1).

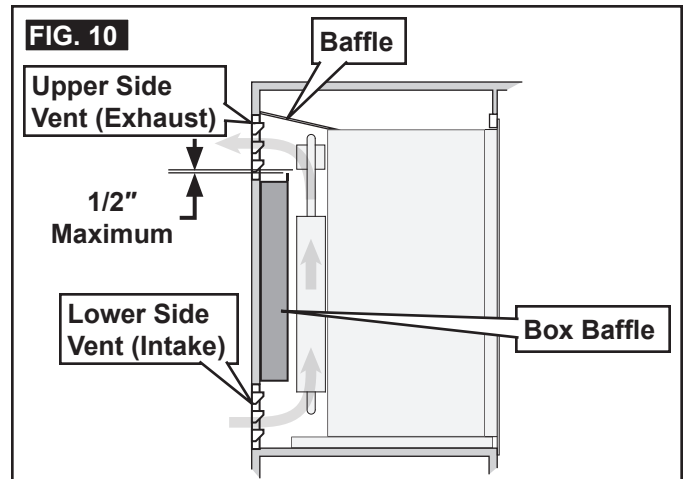
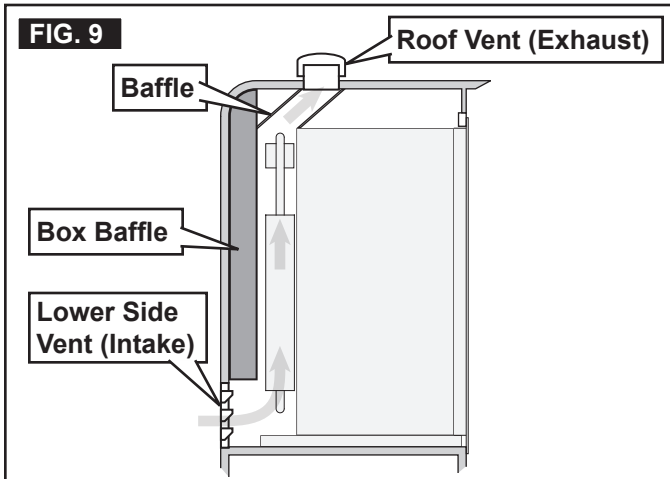
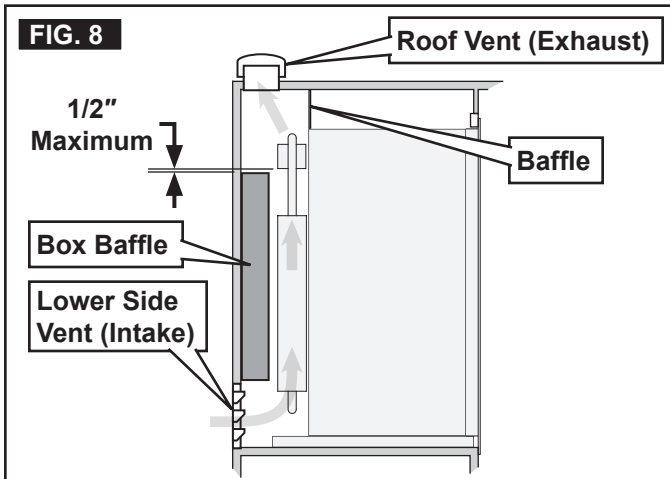
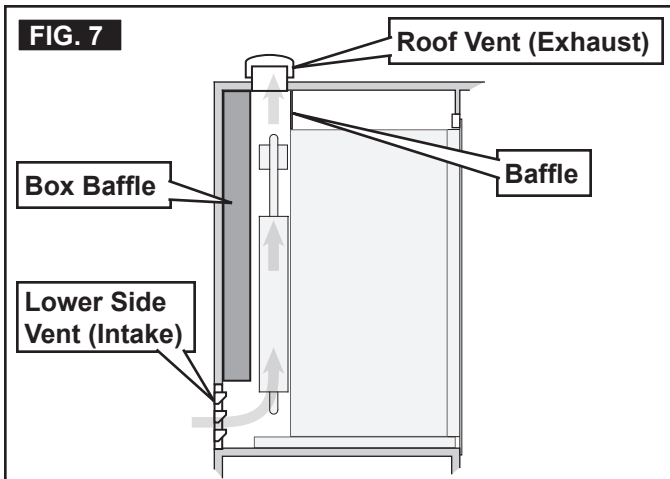
- a. Lower side and straight to roof. See (FIG. 7).
- b. Lower side and offset (out) to roof. See (FIG. 8).

i Baffle **MUST** be within 1/2" below bottom of condenser fins, but **MUST** not block upper side vent.

- c. Lower side and offset (in) to roof. See (FIG. 9).
- d. Lower side and upper side. See (FIG. 10).

i Baffle **MUST** be within 1/2" below bottom of refrigerator condenser fins, but **MUST** not block upper side vent.

DETERMINE VENT CONFIGURATION



2. CORNER

See (FIG. 2).

- a. Lower side and straight to roof. See (FIG. 14).
- b. Lower side and upper side. See (FIG. 6).



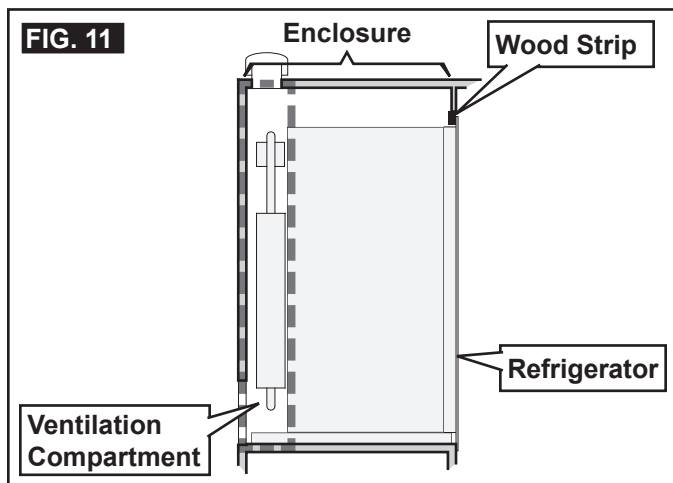
Baffle **MUST** be within 1/2" below bottom of condenser fins, but **MUST** not block upper side vent. See (FIG. 10).

PREPARE REFRIGERATOR ENCLOSURE

To ensure a safe and functional unit, the refrigerator enclosure and ventilation compartment require careful preparation. Apply the following guidelines for a successful installation.

A. Enclosure Requirements

-  1. Provide a sturdy enclosure that is custom-fitted to refrigerator. See “D. Clearances Around Refrigerator” on page (11).
 2. Provide structurally stable floor that is able to support weight of refrigerator and its contents.
 3. Level enclosure floor with RV floor to ensure installed refrigerator will also be level.
 4. Provide a wood strip across top of enclosure opening. See (FIG. 11).
-  Top of refrigerator frame will be anchored to wood strip (with screws).



5. **⚠ WARNING CARBON MONOXIDE HAZARD.** Do **NOT** use this product as a free-standing unit. Operating this product using LP gas (propane) outside a correctly designed enclosure will expose you to flue gases. Exposure to flue gases could cause carbon monoxide poisoning. Failure to obey this warning could result in death or serious injury.
Seal all joints and seams inside enclosure to prevent combustion / flue gases from leaking into living areas.

6. **NOTICE** Do **NOT** allow fasteners or other objects to protrude into product enclosure. Otherwise, exposed objects could damage product. Do **NOT** install / route objects such as wiring, plumbing, etc. inside refrigerator enclosure (except utilities required to supply refrigerator). Other exceptions are allowed **ONLY** when **NO ALTERNATIVES** are available. These exceptions **MUST** adhere to the following requirements.

-  Other potentially damaging objects include screw tips, staples, and brackets.
 - a. Do **NOT** modify refrigerator (in any way) to accommodate installed objects.
 - b. Do **NOT** allow objects to contact refrigerator (including mounting rails and frame).
 - c. Permanently secure objects away from refrigerator and ventilation compartment.
-  Objects may be secured behind paneling, behind batt-type insulation, or inside paneled storage space above refrigerator.

7. **⚠ WARNING FIRE HAZARD.** Do **NOT** install product directly on carpet or other flammable material. Failure to obey this warning could cause a fire resulting in death or serious injury.

NOTICE Do **NOT** allow moisture to accumulate on or absorb into surfaces. Otherwise, odors and rot may occur.

- a. Do not install carpeting, or other absorbent or flammable materials on enclosure floor.
 -  If carpeting is already installed and cannot be removed, it **MUST** be shielded from appliance. Use a metal or wood panel between carpeting and appliance. This panel **MUST** cover the entire enclosure floor (including ventilation compartment).
- b. Protect entire wood floor (of enclosure) with metal sheathing, or anti-wicking paint / coating.

B. Ventilation Compartment Requirements

The ventilation compartment is an essential component of refrigerator safety and performance. This compartment is also an integral part of the product certification.

 See “Appendix B: Vent Information” on page (21) for detailed information.

-  1. Keep exhaust vents from other appliances, and other heat sources away from refrigerator vents.

PREPARE REFRIGERATOR ENCLOSURE

2. **⚠ WARNING FIRE HAZARD.** Do **NOT** obstruct (block) ventilation compartment. Do **NOT** use ventilation compartment for any other purpose than to secure air for combustion, and to evacuate warm air and flue gases for ventilation. Failure to obey this warning could cause a fire resulting in death or serious injury.

Keep vents away from RV features that could obstruct or hinder ventilation air flow.

- i** Examples include an open RV door that obstructs a vent, or an awning installed closer than 12" to an upper vent.

NOTICE Do **NOT** allow fasteners or other objects to protrude into ventilation compartment. Otherwise, exposed objects could damage product.

Do **NOT** install / route objects such as wiring, plumbing, etc. inside ventilation compartment (except utilities required to supply refrigerator).

- i** Other potentially damaging objects include screw tips, staples, and brackets.

Exceptions are allowed **ONLY** when **NO ALTERNATIVES** are available. These exceptions **MUST** adhere to the following requirements:

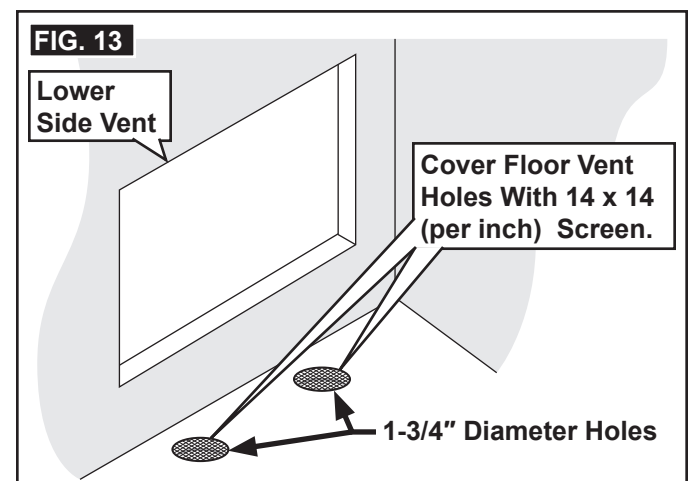
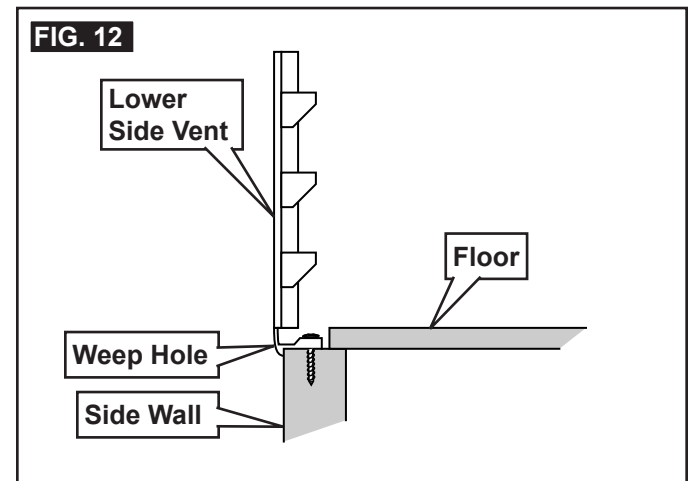
- a. Do **NOT** modify refrigerator (in any way) to accommodate installed objects.
- b. Do **NOT** allow objects to contact refrigerator (including mounting rails and frame).
- c. **⚠ WARNING FIRE HAZARD.** Do **NOT** allow wiring, insulation, or other objects to contact cooling unit. Failure to obey this warning could cause a fire resulting in death or serious injury.
Maintain 1/2" minimum clearance around cooling unit (including heated boiler and tubing).
- d. Protect all wiring (not supplying refrigerator) with conduit, raceway, covering boards, or other method that complies with all applicable codes.
- e. Do **NOT** allow objects to impede ventilation path to ensure correct combustion / operation.

C. Vent Requirements

Correct vent installation is essential to allow a natural flow of air around cooling unit. This air flow is necessary for stable cooling performance.

- i** See "Determine Vent Configuration" on page 6, "B. Ventilation Compartment Requirements" on page (9), and "Appendix B: Vent Information" on page (21) for more requirements.

- i** 1. The ventilation system **MUST** have a lower intake vent, and an upper exhaust vent.
2. Lower (intake) and upper (exhaust) vents should be centered to back of refrigerator when possible.
 - i** If vents **MUST** be offset to avoid obstructions, see "Appendix B: Vent Information" on page (21) for more requirements.
3. To maintain safety certification, use Dometic specified vents **ONLY**.
 - i** See "Appendix B: Vent Information" on page (21) for Dometic approved vents.
4. **⚠ WARNING FIRE OR EXPLOSION HAZARD.** Make sure vent allows raw (unburned) LP Gas to escape to the outside. LP Gas is heavier than air, and will collect at floor level if **NOT** vented correctly. Failure to obey this warning could result in death or serious injury.
The lower vent opening **MUST** be even with (or below) floor level. See (FIG. 12).
 - i** Alternatively, (2) 1-3/4" vent holes **MUST** be added (through floor). Vent holes **MUST** be covered with 14 x 14 (per inch) screen. See (FIG. 13).



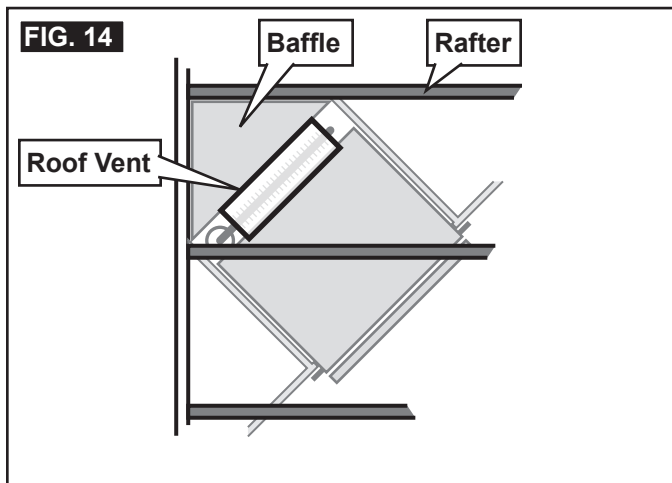
PREPARE REFRIGERATOR ENCLOSURE

- The upper vent opening must be even with (or above) refrigerator condenser fins.
- A baffle (or insulation) to direct air flow away from top of refrigerator **MUST** be installed if gap at top of refrigerator exceeds maximum clearance value.

i See "D. Clearances Around Refrigerator" on page (11).

- ALL** vent openings / holes must have **NO** obstructions. See (FIG. 14).

i Examples include pipes, wiring, roofing materials, rafters, studs, flooring, etc.



D. Clearances Around Refrigerator

Clearances between enclosure and refrigerator must allow servicing of product while ensuring correct operation. For correct refrigerator performance, any gaps present **MUST NOT** exceed the following values. See (Table 1) & (FIG. 15).

i See "Appendix A: Product & Enclosure Dimensions" on page (20) for overall rough-in dimensions.

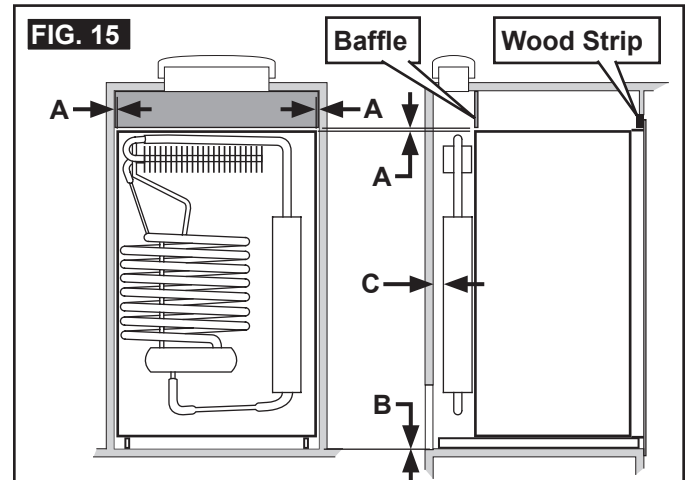
1. Install a baffle if gap in back (rear) of refrigerator exceeds maximum clearance value. See (Table 1).

i See "C. Back Baffles" on page (7) for baffle requirements and applications.

Table 1			
	Gap Location	Minimum	Maximum
A	Top & Sides	0"	1/4"
B ¹	Bottom	0"	
C ²	Back (Rear)	0"	1"

¹ Refrigerator is supported by floor.

² Gap between refrigerator cooling unit and wall (or back baffle).

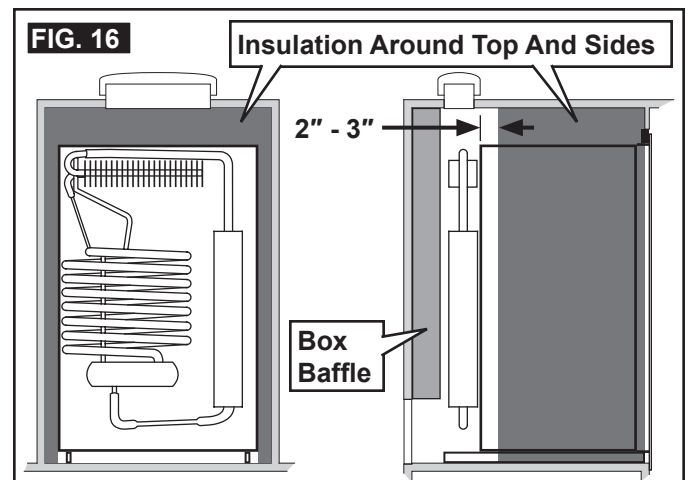


E. Insulation Requirements

If enclosure is larger than recommended, insulation may be installed to meet clearance requirements. See "D. Clearances Around Refrigerator" on page (11).

1. Install batt-type insulation around top and sides of refrigerator to fill voids that exceed maximum clearance values. See (Table 1) & (FIG. 16).

i Do **NOT** install insulation at back of (behind) refrigerator.



PREPARE REFRIGERATOR ENCLOSURE

2. **⚠ WARNING** FIRE HAZARD. Do **NOT** allow wiring, insulation, or other objects to contact cooling unit. Failure to obey this warning could cause a fire resulting in death or serious injury.

- a. **NOTICE** **ALWAYS** secure insulation to prevent movement. Loose insulation could obstruct air flow and cause damage to product.

Secure insulation to top and sides of enclosure (as necessary) to prevent shifting.



Spray adhesive may be used.

Do **NOT** secure insulation to refrigerator.

- b. Trim insulation 2" - 3" from back edge of refrigerator case. See (FIG. 16).

INSTALL VENTS / ACCESS PANEL

⚠ WARNING FIRE OR ELECTRICAL SHOCK HAZARD. Make sure there are no obstacles (wires, pipes, etc.) inside RV's [roof / floor / walls]. Shut **OFF** gas supply, disconnect 120 Vac power from RV, and disconnect positive (+) 12 Vdc terminal from supply battery **BEFORE** drilling or cutting into RV. Failure to obey these warnings could result in death or serious injury.

Make sure desired vent and access panel locations do not interfere with installed utilities, rafters, studs, etc.



See "Determine Vent Configuration" on page (6) for vent placement.

A. Roof Vent

A roof vent (exhaust) is recommended for all applications.



See "Appendix B: Vent Information" on page (21) for Dometic approved vent, and vent hole dimensions.



1. Cut hole in roof, centered with refrigerator (above cooling unit). See (FIG. 15).
2. Apply dry sealant (putty tape) completely around vent base mounting surface.
3. Center vent base over vent hole. Then press mounting surface (with dry sealant) against outside surface of RV roof.
4. **NOTICE** **ALWAYS** use sealant on (clean) parts and surfaces where fasteners enter RV's [walls / roof / floor]. Otherwise, water leakage could occur.
Apply sealant to #10 mounting screw threads. Then place and tighten screws through vent base and into RV roof.
5. Place vent cap on vent base, and align screw holes. Then place and tighten #10 x 1-1/4" screws through vent cap and into vent base.
6. Apply wet sealant (caulk) over all exposed screw heads, and completely around vent base edge where it contacts RV roof.



Do **NOT** seal over or block weep holes or weep tracks in vent frame (if applicable).

B. Lower / Upper Side Vent

A lower side vent (intake) is recommended for all exterior wall applications. An upper side vent (exhaust) is allowed for exterior wall applications when roof venting is not possible.



See "Appendix B: Vent Information" on page (21) for Dometic approved vents and brackets, and vent hole dimensions.

The Dometic approved lower side (intake) vent also functions as an access panel.



1. Cut vent hole in wall, centered with refrigerator.
2. Apply dry sealant (putty tape) completely around vent frame mounting surface.
3. Center vent frame over vent hole. Then press mounting surface (with dry sealant) against outside surface of RV wall.
4. Place Z-bracket against inside surface of vent hole, and align screw hole with vent frame.
5. Place and hand-tighten #10 mounting screw through vent frame and into Z-bracket.
6. Repeat steps (4) through (5) for each Z-bracket.
7. Tighten mounting screws until vent frame is securely clamped to RV wall.
8. Install screw cap plugs over mounting screws.
9. Apply wet sealant (caulk) completely around vent frame edge where it contacts RV wall.
10. Install vent door into vent frame using upper tabs as a guide.
11. Fully seat and turn latches (at bottom corners) to lock vent door in place.



Do **NOT** seal over or block weep holes or weep tracks in vent frame (if applicable).

INSTALL UTILITIES

⚠ WARNING Failure to obey the following warnings could result in death or serious injury:

- **FIRE HAZARD.** Do **NOT** allow wiring, insulation, or other objects to contact cooling unit. Failure to obey this warning could cause a fire resulting in death or serious injury.
- **CARBON MONOXIDE HAZARD.** Seal product enclosure and ventilation compartment from living areas. Otherwise, you will be exposed to flue gases. Exposure to flue gases could cause carbon monoxide poisoning. Failure to obey this warning could result in death or serious injury.

Only utility services supplying the refrigerator should pass through refrigerator enclosure.

Any pass-through (portholes) for utilities entering refrigerator enclosure **MUST** be sealed from living areas.

 See "B. Ventilation Compartment Requirements" on page (9) for limited exceptions.

A. Install Water Service (Optional)

If refrigerator is equipped with ice or water dispenser, a water supply line must be routed to rear of refrigerator. The water supply system must adhere to the following requirements:

- Water line must be 1/4" diameter.
- Water line must have an easily accessible, manual shutoff valve.
- Water supply system must withstand a minimum pressure of 15 psi (lb./in²) gauge.

 1. Review "B. Ventilation Compartment Requirements" on page (9) before proceeding.

2. Provide pass-through (porthole) into ventilation compartment to accommodate water line.

 Porthole should be in general location where connections to refrigerator will be made.

3. Route water line (inside RV) into ventilation compartment.

 Allow enough length for connection to refrigerator.

4. Seal pass-through (porthole for water line) to prevent combustion / flue gases from leaking into living areas.

B. Install LP Gas Service

An LP gas supply line must be routed to rear of refrigerator. The LP gas supply system must adhere to the following requirements:

- LP gas line must be equipped with a 3/8" SAE (UNF 5/8"-18) male flare nut.

- LP gas supply system must include a pressure regulator to maintain gas supply pressure of no more than 11" water column.

 Isolate refrigerator from LP gas supply system **BEFORE** performing pressure test. The method of isolation depends on test pressure. At test pressures:

- > 1/2 psi (lb./in²), disconnect refrigerator completely from LP gas supply system.
- ≤ 1/2 psi (lb./in²), close refrigerator's manual LP gas shutoff valve.

 1. Review "B. Ventilation Compartment Requirements" on page (9) before proceeding.

2. Provide pass-through (porthole) into ventilation compartment to accommodate LP gas line.

 Porthole should be in general location where connections to refrigerator will be made.

3. Route LP gas line (inside RV) into ventilation compartment.

 Allow enough length for connection to refrigerator.

4. Seal pass-through (porthole for LP gas line) to prevent combustion / flue gases from leaking into living areas.

C. Install Electrical Service

 See Operating Instructions for refrigerator wiring diagram (schematic).

1. 120 VAC SUPPLY

120 Vac wiring must be routed to rear of refrigerator. The electrical system must adhere to the following requirements:

- Supply circuit must have a minimum capacity of 15 A.
- 120 Vac power supply must have a grounded, three-prong receptacle.

 a. Review "B. Ventilation Compartment Requirements" on page (9) before proceeding.

b. Provide pass-through (porthole) into ventilation compartment to accommodate wiring.

 Porthole should be in general location of power supply receptacle.

c. Install electrical box for receptacle.

 Refrigerator electrical cord has a free length of 2'. To accommodate electrical cord, receptacle should be:

- At opposite side of burner assembly.
- Approximately 3" - 6" above refrigerator mounting floor.

INSTALL UTILITIES

- d. Route wiring (inside RV) into ventilation compartment, and through electrical box.

i Allow enough wiring length beyond electrical box to make connections to receptacle.

- e. Connect wiring to three-prong receptacle, and install in electrical box.
- f. Seal pass-through (porthole for wiring) to prevent combustion / flue gases from leaking into living areas.

2. 12 VDC SUPPLY

The absorption cooling system (upper compartment) is not designed to operate on 12 Vdc. However, 12 Vdc must be supplied to operate refrigerator controls.

The compressor cooling system (lower compartment) is designed to operate on 12 Vdc when 120 Vac is unavailable.

12 Vdc wiring must be routed to rear of refrigerator. The electrical system must adhere to the following requirements:

- Do **NOT** use chassis or vehicle frame as a conductor.
- Correct polarity must be observed for connection to 12 Vdc power supply.

i a. Review "B. Ventilation Compartment Requirements" on page (9) before proceeding.

- b. Provide pass-through (porthole) into ventilation compartment to accommodate wiring.

i Porthole should be in general location where connections to refrigerator will be made.

- c. Route wiring (inside RV) into ventilation compartment.

i Allow enough length for connection to refrigerator.

- d. Seal pass-through (porthole for wiring) to prevent combustion / flue gases from leaking into living areas.

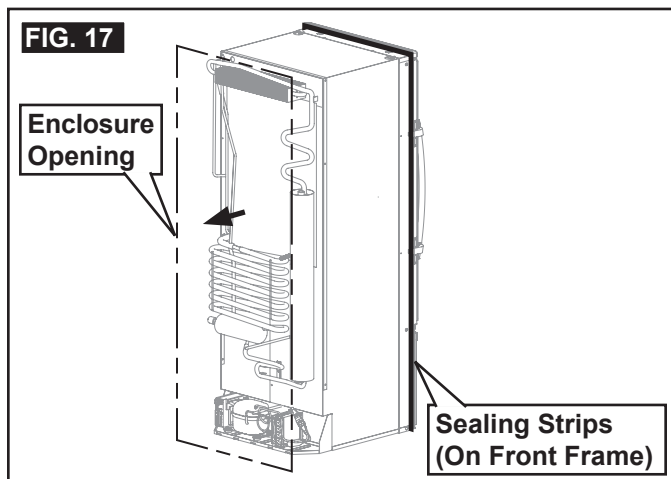
INSTALL REFRIGERATOR

A. Inspect Sealing Strips

The refrigerator has sealing strips on the back edge of its front frame. These sealing strips will isolate product's combustion system from RV's interior. See (FIG. 17).

Before installing refrigerator, make sure sealing strips:

- are intact with **NO** gaps (unbroken);
- are firmly attached to back edge of refrigerator's front frame;
- cover full length of top and sides of refrigerator's front frame.



B. Place And Secure Refrigerator

⚠ WARNING CARBON MONOXIDE HAZARD. Seal product enclosure and ventilation compartment from living areas. Otherwise, you will be exposed to flue gases. Exposure to flue gases could cause carbon monoxide poisoning. Failure to obey this warning could result in death or serious injury.

Perform the following steps in order and with care. Failure to do so could cause a leak between refrigerator frame and enclosure (cabinet).

- i** 1. Carefully place refrigerator into enclosure.

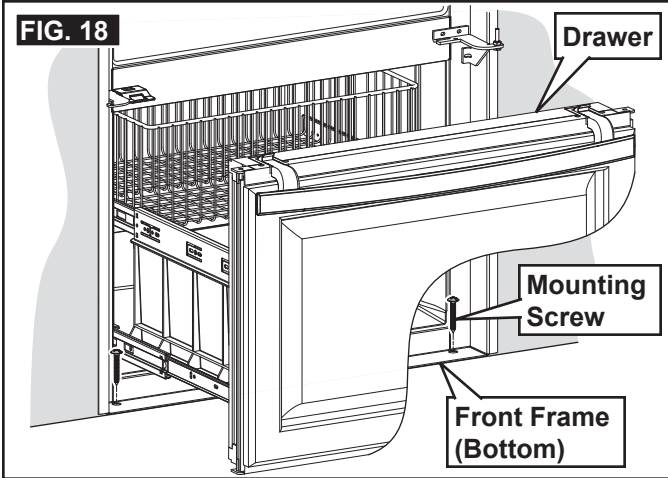
i Take care **NOT** to damage sealing strips.

2. Slide refrigerator back until seal on front frame compresses against enclosure (front face of cabinet). See (FIG. 17).

i Make sure there is a complete seal against refrigerator enclosure (front face of cabinet), leaving no gaps along top and both sides.

3. Place and tighten (2) mounting screws through front frame (bottom) and into RV floor. See (FIG. 18).

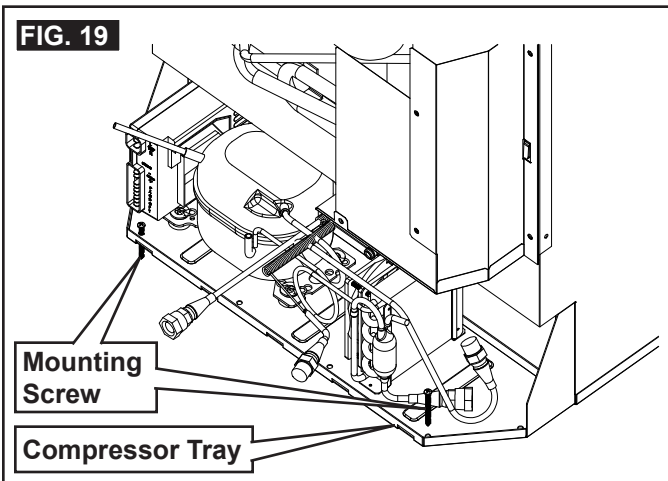
INSTALL REFRIGERATOR



4. Place and tighten (2) mounting screws (#10 x 1" wood screws) through holes in compressor tray and into RV floor. See (FIG. 19).



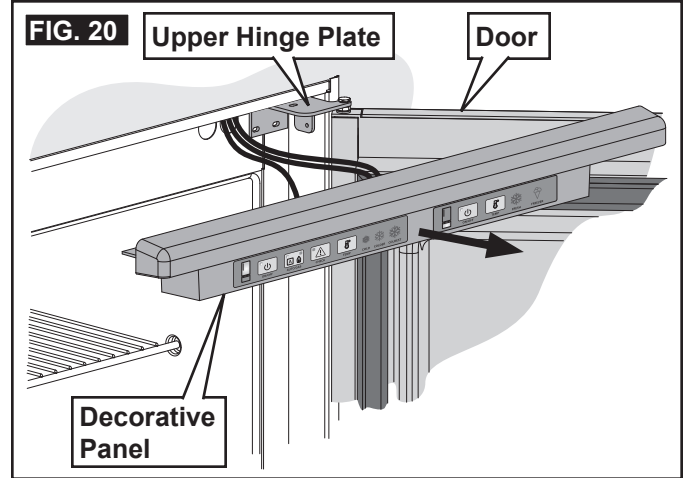
It is recommended to use the outside holes.



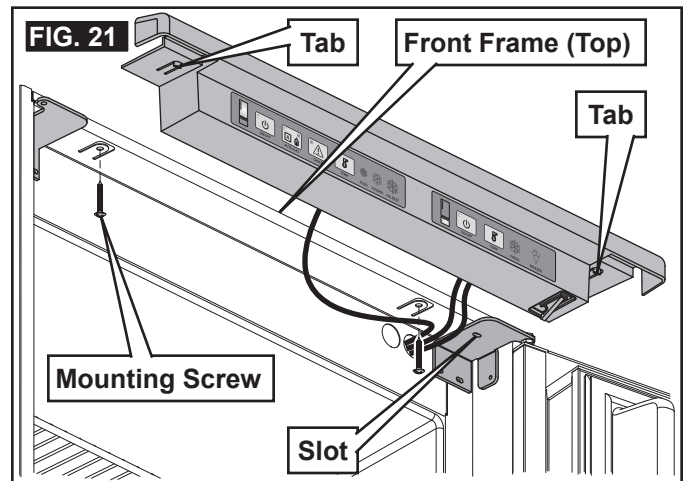
5. Remove top decorative panel.
 - a. With refrigerator door open, insert a flat blade screwdriver up through slot in hinge to disengage tab of top decorative panel. See (FIG. 21).
 - b. Pull forward on top decorative panel until it disengages from hinge plates. See (FIG. 20).



Take care **NOT** to damage circuit board and wires.



6. Place and tighten (2) mounting screws through refrigerator frame and into wood strip (top of refrigerator enclosure / cabinet). See (FIG. 21).



7. Seal over mounting screw heads (openings) with aluminum tape. See (FIG. 21).
8. **NOTICE** Do **NOT** pinch wiring or allow wiring to rub against sharp edges. If wiring is damaged, it **MUST** be replaced by a qualified service technician.

Align top decorative panel to hinge plates. Then push panel in until it snaps into place, being careful not to pinch wires. See (FIG. 20).

C. Reverse Door Swing (Optional)

The refrigerator's upper compartment door is fully reversible. The door can accommodate an opposite (LH or RH) door swing.



All parts and fasteners removed during this procedure are required for reinstallation. Do **NOT** discard.



1. Prepare for door removal. See (FIG. 20).
 - a. With door open, insert a flat blade screwdriver up through slot in hinge to disengage tab of top decorative panel. See (FIG. 21).

INSTALL REFRIGERATOR

- b. Pull forward on top decorative panel until it disengages from hinge plates. See (FIG. 20).

i Take care **NOT** to damage circuit board and wires.

- c. Hold top decorative panel out of the way, and close door.

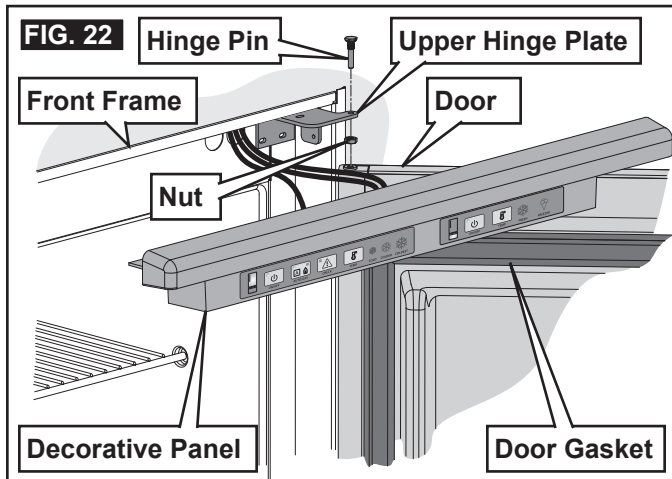
2. Remove door from refrigerator. See (FIG. 22).

- a. While holding door in closed position, loosen nut from upper hinge pin (below hinge plate).
- b. While holding nut with backup wrench, unscrew upper hinge pin to remove from hinge plate.
- c. Hold top decorative panel out of the way. Then open and lift door from lower hinge pin to remove door from refrigerator.

- d. **NOTICE** Do **NOT** pinch wiring or allow wiring to rub against sharp edges. If wiring is damaged, it **MUST** be replaced by a qualified service technician.

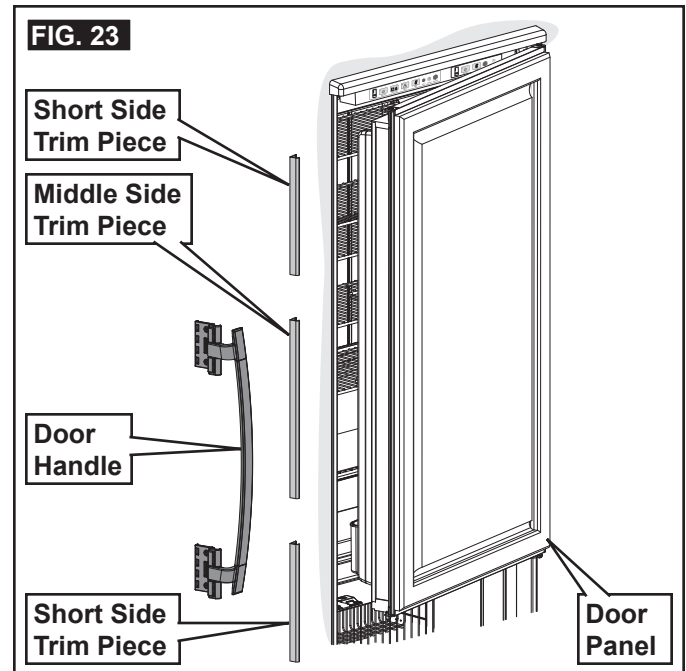
Align top decorative panel to hinge plates. Then push panel in until it snaps into place, being careful not to pinch wires.

i This keeps panel out of the way, and helps prevent accidental damage.

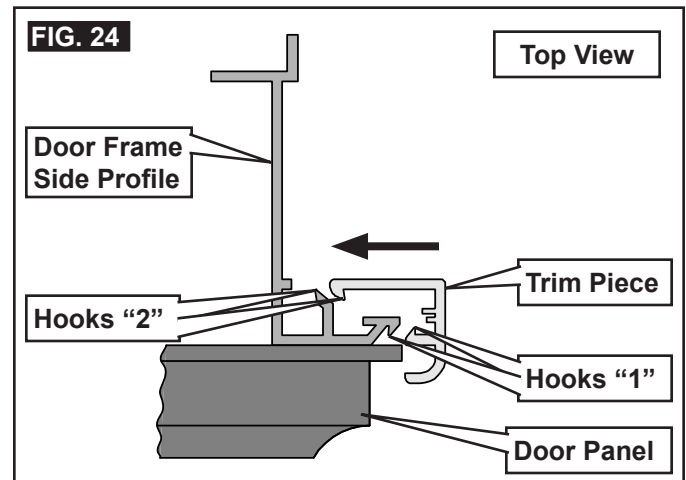


3. Reverse door handle and trim pieces. See (FIG. 23) & (FIG. 25).

- a. Pull on door handle as if to open door. Then continue to pull on handle toward the side (away from door) until handle disengages from door.



- b. Pull on long side trim piece (hinge side) to remove from door.
- c. Pull on upper side trim piece (handle side) to remove from door. Then align trim piece on opposite side of door and snap into place.
 - I. Engage hooks "1". See (FIG. 24).
 - II. Push straight in (do not twist) on trim piece until hooks "2" engage. See (FIG. 24).



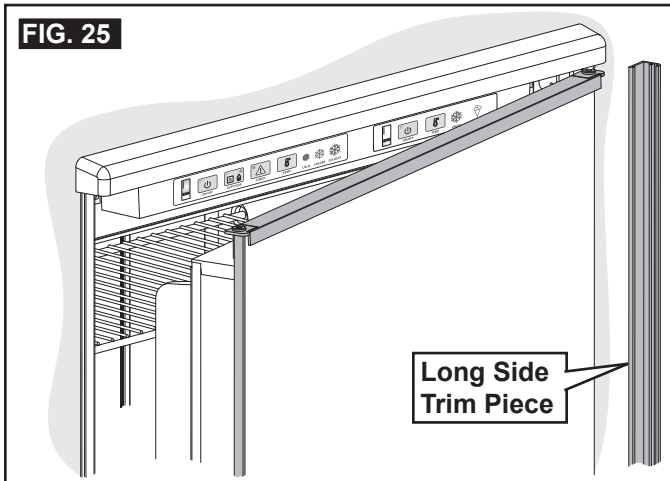
- d. Repeat step (c) for lower side trim piece.
- e. Align door handle mounts to inside edge of door. Then push handle toward the door until it snaps into place.
- f. Pull on middle side trim piece (handle side) to remove from door. Then align trim piece between handle mounts, and snap into place.

i If door panel needs to be installed or replaced, do so at this time. Then continue with the following steps. See

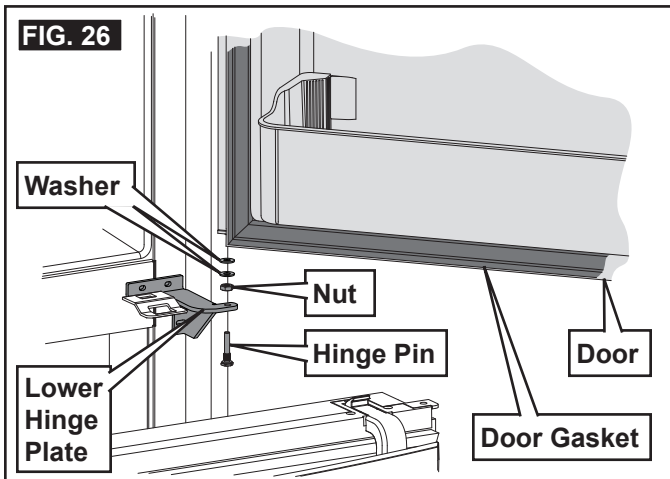
INSTALL REFRIGERATOR

"Inspect Sealing Strips" on page 14.

- I. Engage hooks "1". See (FIG. 24).
- II. Push straight in (do not twist) on trim piece until hooks "2" engage. See (FIG. 24).
- g. Align long side trim piece on opposite side of door, and snap into place.
 - I. Engage hooks "1". See (FIG. 24).
 - II. Push straight in (do not twist) on trim piece until hooks "2" engage. See (FIG. 24).



4. Reverse lower hinge pin. See (FIG. 26).
 - a. Loosen nut from lower hinge pin (above hinge plate)
 - b. While holding nut with backup wrench, unscrew lower hinge pin to remove from hinge plate.
 - c. Screw lower hinge pin into lower hinge plate.



5. Reinstall door onto refrigerator. See (FIG. 20), (FIG. 22), & (FIG. 26).
 - a. Remove top decorative panel.
 - I. With refrigerator door open, insert a flat blade screwdriver up through slot in hinge to disengage tab of top decorative panel. See (FIG. 21).

- II. Pull on top decorative panel until it disengages from hinge plates. See (FIG. 20).
- b. Align door pivot hole to lower hinge pin, and lower door onto pin.
- c. Hold top decorative panel out of the way, and close door.
- d. While holding door in closed position, install upper hinge pin through hinge plate and into door.
- e. Open door, and align top decorative panel to hinge plates. Then push panel in until it snaps into place.
6. Complete reinstallation. See (FIG. 20) & (FIG. 22).
 - a. Open and close door to verify door closes easily and correctly.
 - b. Make sure door gasket seals correctly on all sides.

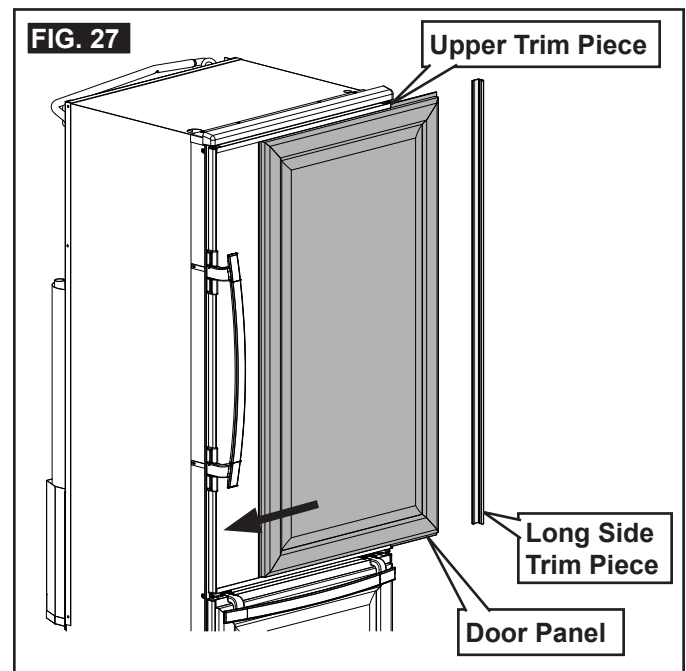
D. Install Door / Drawer Panels

A variety of materials may be used for door and drawer panels. However, panels must comply with specific size requirements.

 See "Appendix C: Door Panel Requirements" on page (23) for panel dimensions.

1. UPPER COMPARTMENT DOOR.

-  a. Align panel to upper and lower trim pieces. Then slide panel sideways until it engages fully into short and middle side trim pieces. See (FIG. 27).



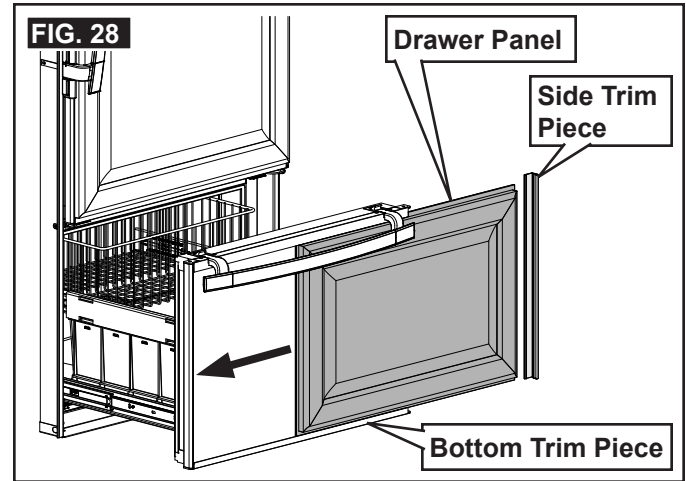
- b. Install long side trim piece.
 - I. Engage hooks "1". See (FIG. 24).

INSTALL REFRIGERATOR

II. Push straight in (do not twist) on trim piece until hooks "2" engage. See (FIG. 24).

2. LOWER COMPARTMENT DRAWER.

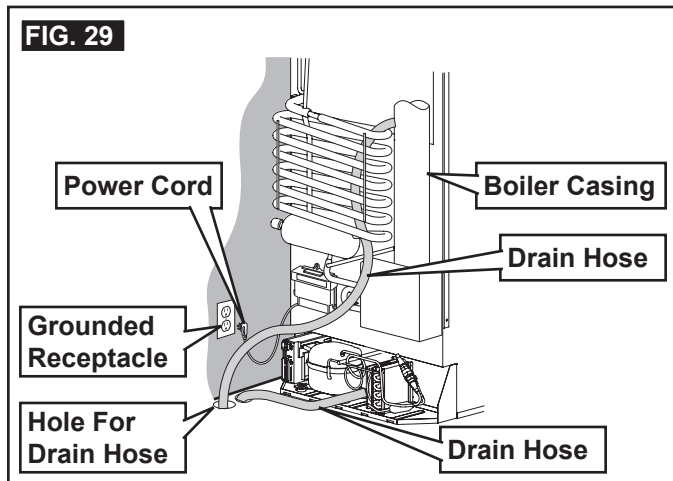
- a. Align panel to top and bottom trim pieces. Then slide panel sideways until it engages fully into side trim piece. See (FIG. 28).
- b. Install side trim piece.
 - I. Engage hooks "1". See (FIG. 24).
 - II. Push straight in (do not twist) on trim piece until hooks "2" engage. See (FIG. 24).



INSTALL DRAIN HOSE

A. Prepare To Route Drain Hose

1. Remove shipping ties / packaging from drain hoses, and allow hoses to hang freely.
 2. Drill (2) 3/4" holes in refrigerator enclosure floor, and through to outside of RV. See (FIG. 29).
- i** Make sure holes are within reach of drain hoses. If hoses are **NOT** long enough to pass all the way through holes, a hose extension (installer supplied) **MUST** be installed.



B. Route Drain Hose

⚠ WARNING FIRE HAZARD. Do **NOT** allow drain hose to contact burner assembly or boiler casing. Failure to obey this warning could cause a fire resulting in death or serious injury.

NOTICE Do **NOT** kink, pinch, or obstruct hose. **ALWAYS** route hose downward to prevent trapped fluid, and to maintain outward flow.

1. Route upper drain hose between cooling unit absorber tubes and out through 3/4" hole in refrigerator enclosure floor. See (FIG. 29).

C. Seal Drain Hose

1. Make sure perforated plug is present at end of each hose.

i Perforated plug helps prevent pest intrusion through drain hose.

2. **NOTICE** **ALWAYS** seal against weather and moisture where components enter RV's [walls / roof / floor]. Otherwise, water leakage could occur.

Apply sealant around each drain hose to fill and seal hole in refrigerator enclosure floor. See (FIG. 29).

CONNECT UTILITIES

A. Connect Water Service

Connect water line to water valve on refrigerator (if equipped).

B. Connect LP Gas Service

-  1. **NOTICE** ALWAYS use a backup wrench when loosening or tightening LP gas connections.

Place and tighten flare nut of gas line (installer supplied) onto 3/8" male flare end of refrigerator LP gas valve.

2. **WARNING** FIRE OR EXPLOSION HAZARD. NEVER use an open flame to check for gas leaks. Failure to obey this warning could result in death or serious injury.

Make sure there are no LP gas leaks.

C. Connect Electrical Services

1. 120 VAC SUPPLY.



WARNING ELECTRICAL SHOCK HAZARD.

This product is equipped with a three-prong (grounding) plug for protection against shock hazards. This product should be plugged directly into a three-prong receptacle that provides grounding in compliance with all applicable electrical codes. Do **NOT** cut or remove grounding prong from plug. Failure to obey this warning could result in death or serious injury.

Plug refrigerator power cord into three-prong (grounded) receptacle. See (FIG. 29).

2. 12 VDC SUPPLY.



Make sure wiring connections are clean, secure, and free from corrosion.



- Connect positive (+) wire lead from 12 Vdc power supply (battery) to positive (+) terminal on back of refrigerator.
- Connect negative (-) wire lead from 12 Vdc power supply (battery) to negative (-) terminal on back of refrigerator.

VERIFY INSTALLATION

A. Inspect Installation And Test Operation

Check utility connections and installation, make sure there are no LP gas leaks, and test refrigerator control system.



Review "Product Maintenance" section in Operating Instructions.

B. Keep Literature



Keep **BOTH** the Installation and Operating Instructions with product.

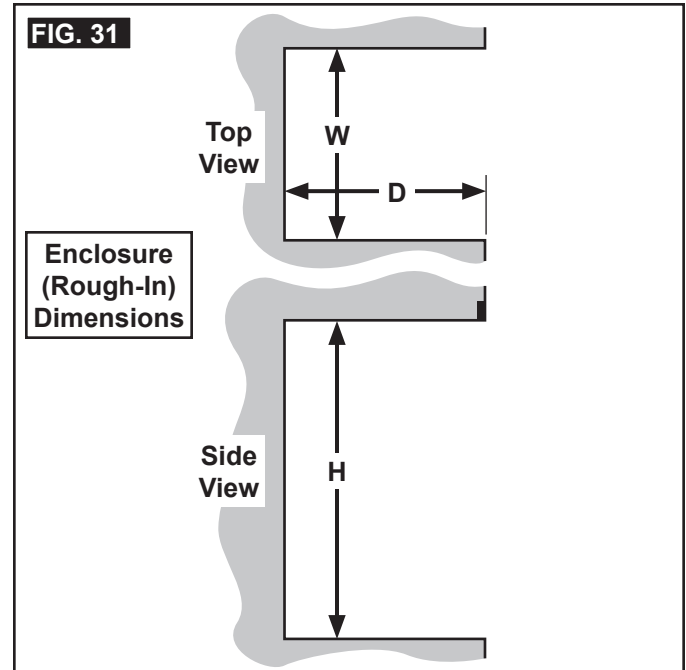
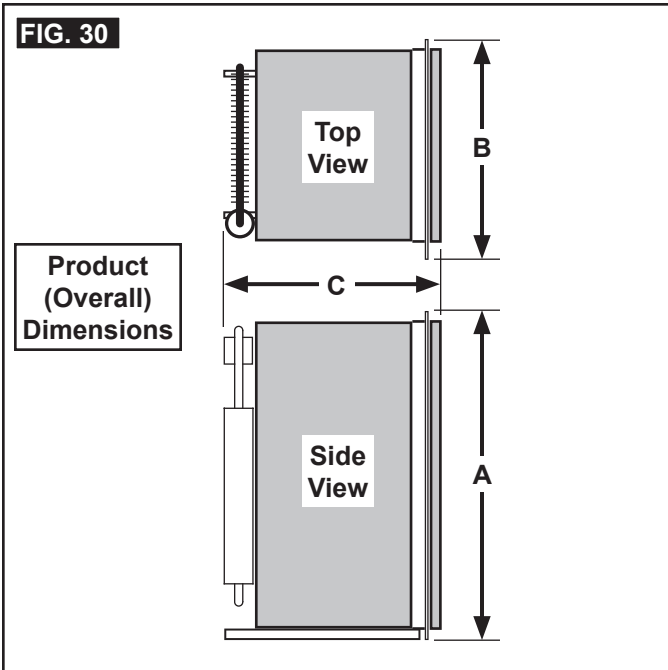
Instructions contain valuable information for product use and consumer safety.

APPENDIX A: PRODUCT & ENCLOSURE DIMENSIONS

Maintain enclosure dimensions specified in (Table 2).

Table 2						
MODEL	PRODUCT (OVERALL) DIMENSIONS			ENCLOSURE (ROUGH-IN) DIMENSIONS		
	Height (A)	Width (B)	Depth (C)	Height (H)	Width (W)	Depth (D)
DMH1072	63-7/8"	24-7/8"	26-1/32"	63-3/16"	23-11/16"	24" ¹

¹ Add 1" depth for units with one or two optional ventilator fans.



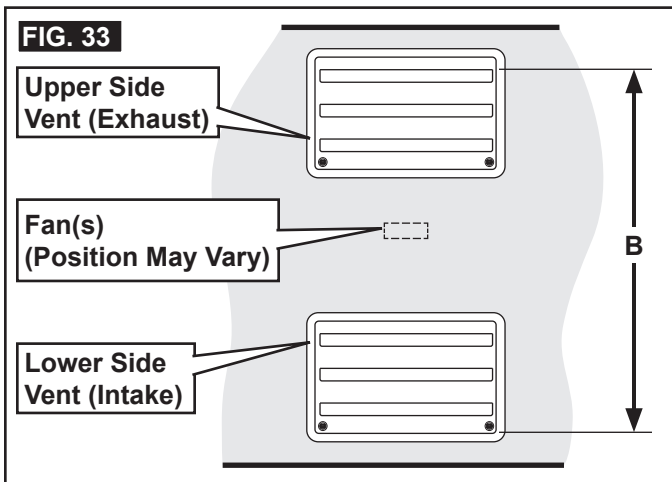
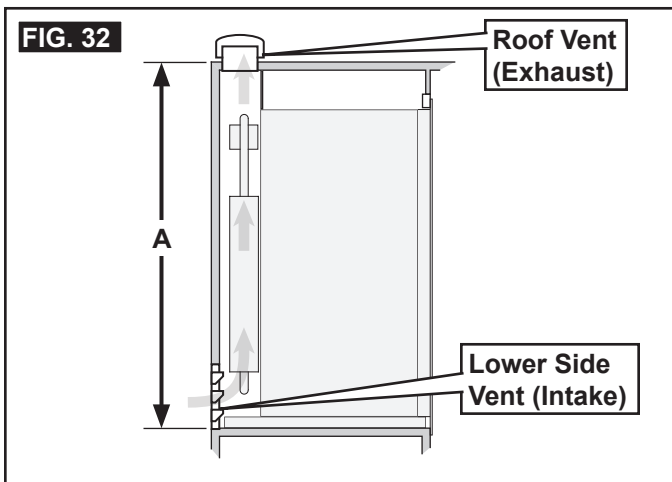
APPENDIX B: VENT INFORMATION

A. Ventilation Height

Maintain minimum ventilation height specified in (Table 3).

Table 3		
MINIMUM VENTILATION HEIGHT		
MODEL	Height To Roof Vent (A)	Height To Upper Vent (B)
DMH1072	67"	64-1/4"

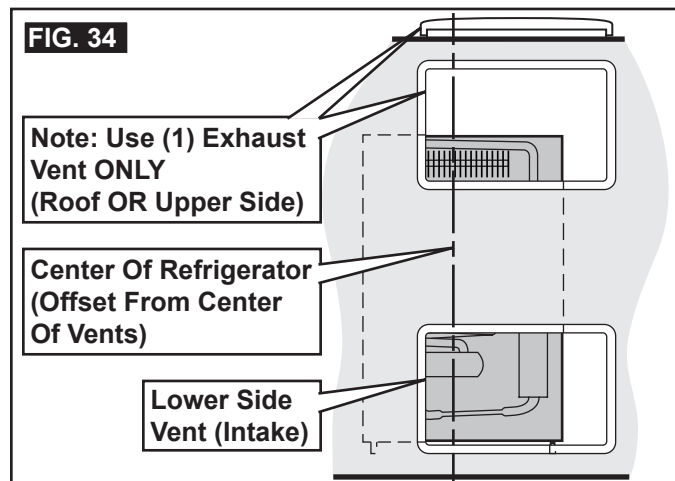
i Ventilation height **MUST** be measured from bottom seam of lower side vent (between frame and door) to (A) top of roof opening, or (B) top of uppermost row of louvers (of upper side vent). See (FIG. 32) & (FIG. 33).



B. Offset Vent Requirements

If structure of RV interferes with vent locations, it may be necessary to offset vents from center of refrigerator. See (FIG. 34).

i Before installing offset vents, you **MUST** have your offset vent application certified. Contact Dometic Corporation for written approval, and to receive a safety certification.



APPENDIX B: VENT INFORMATION

C. Approved Vents And Cutout Dimensions

Use (Table 4) to select vent application type desired for your refrigerator model. The item numbers in (Table 4) correspond to the recommended Dometic approved vents and fans.

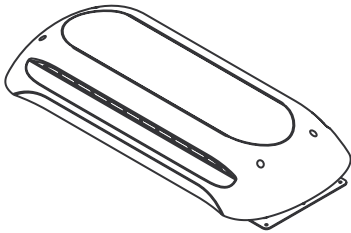
Example 1: Model DMH1072 roof vent application requires Roof Vent (1) and Side Vent (2).

Table 4							
Model	Installation Type	Roof Vent Application		Upper & Lower Side Application		Corner Application	
		Roof Vent	Lower Side Vent	Upper Side Vent	Lower Side Vent	Roof Vent	Upper Side Vent
DMH1072		1	2	2	2	1	2

1. **ROOF VENT.** See (FIG. 35).

- Part No 3311236.XXX* (*color code)
- Cutout: 6-1/2" x 23-3/4"

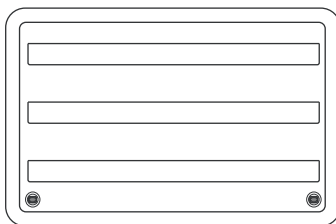
FIG. 35



2. **LOWER / UPPER VENT.** See (FIG. 36).

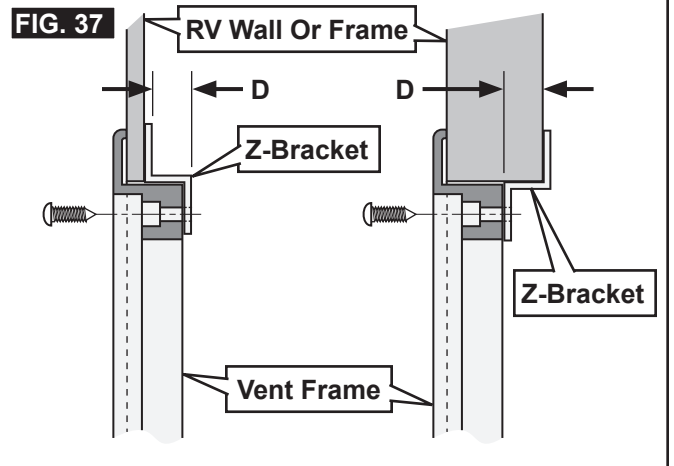
- Part No 3109350.XXX* (*color code)
- Cutout: 13-3/4" x 21-9/16"

FIG. 36



3. **Z-BRACKET.** See (Table 5) & (FIG. 37).

Table 5	
Z-Bracket Selection	
Part Number	Bracket Depth (D)
3103812.016	0.62"
3103812.024	0.81"
3103812.040	0.19"



APPENDIX C: DOOR PANEL REQUIREMENTS

A. Door / Drawer Panel Dimensions

Maintain panel dimensions specified in (Table 6).
See (FIG. 38).

Table 6		
	Upper Door	Lower Drawer
A	24 9/32" (617.0 mm)	
B	44 1/4" (1124.2 mm)	16 9/32" (414.0 mm)
C	1/8" (3.2 mm)	
D	13/32" (10.5 mm)	
E	1/4" (6.4 mm)	
F	3/4" (19.1 mm)	

