



POWER VENTILATOR ASSEMBLY
PART NO. 3104131.002
For Two Door Absorption Refrigerators
PATENT NO. 5355693

THIS ASSEMBLY CONTAINS:

(Qty)	(Part No.)	(Description)
(1)	3104132.000	Ventilator fan, 12VDC
(1)	3104133.008	Fan Limit Switch, 12VDC
(2)	312096.002	Screws, #6 x 3/8
(2)	312096.001	Screws, #10 x 3/8
(1)	3105432.003	Mounting Bracket, RH
(1)	3105432.011	Mounting Bracket, LH
(1)	315503.005	Fuse Holder and Fuse (1 amp)
(2)	312096.025	Screws, #6 X 1-1/2
(1)	3104147.040	Installation Instructions
(1)	3105433.001	Wiring Diagram Decal

PARTS SUPPLIED BY INSTALLER:

- (1) Varmint Screen
- (1) Fabricated Duct Extension



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 appliance can be extremely hazardous and could result in personal injury or property damage.

PURPOSE:

This Power Ventilator Assembly is for use with Dometic's six (6) cubic foot or larger refrigerators with multiple venting applications. Its purpose is to assist required air movement across the refrigerator condenser to ensure optimum performance.

GENERAL INSTRUCTIONS:

Read and understand Installation Instructions before proceeding.



Disconnect all electrical power before starting your power ventilator installation.

LOCATE THE MOUNTING OPTION WHICH BEST FITS YOUR SPECIFIC APPLICATION. FOLLOW INSTALLATION INSTRUCTIONS FOR THAT SPECIFIC APPLICATION.

Section A: Through-The-Floor Vent Installation
Section B: Upper and Lower Side Vents (Plastic)
Section C: Upper and Lower Side Vents (Plastic)

NOTE: Install fan limit switch prior to refrigerator installation. See Section A. Step 1.

These instructions are only supplemental. Install refrigerator per product installation instructions. Make sure that you follow N.E.C., state and local code requirements that are referenced in your original installation instructions. Follow the compartment sealing instructions as indicated in your instruction packet.

SECTION A.

THROUGH-THE-FLOOR VENT INSTALLATION

1. Install fan limit switch to refrigerator per location requirements and dimensions given in FIG. 1A. Use care when drilling two .110 diameter holes for #6 x 3/8" screw attachment.
2. Route fan motor red wire (1/4 terminal one end) from the fan limit switch terminal down the side of the refrigerator to the fan pre-assembly area as shown in FIG. 1. Route the fuse red wire (1/4 terminal one end) from the other terminal to the +12VDC refrigerator terminal block area. (NOTE: Route wires away from sharp edges or hot surfaces.) See FIG. 1.
3. Install mounting brackets to ventilator fan per FIG. 2A, with #6 x 1-1/2" screws provided.
4. Install refrigerator per installation instructions for your specific model. Excess wire and fan should be secured to back of refrigerator while being installed in the cabinet. See FIG. 1.
5. Remove fuse from the fuse holder and store in safe location for later installation.

NOTE: Completion of ventilator fan installation will be made through the rear access panel area. See Table 1 for dimensional requirements.

6. Connect the remaining fuse wire to the 12VDC positive (+) connection on the incoming side of the terminal block. **DO NOT INSTALL FUSE AT THIS TIME.**
7. Install fan in air duct as shown in FIG. 1, (NOTE: **Ensure that air flow arrow is pointing upward**). Use predrilled mounting holes.
8. Install black wire from fan motor to the 12VDC negative (-) connection on the incoming side of the refrigerator terminal block.
9. Ensure that all wiring is held securely and will not come in contact with a sharp edge or hot surface.
10. Attach wiring diagram from kit beside existing wiring schematic.
11. Install varmint screen per FIG. 2A. (.25 inch minimum openings in screen).
12. Complete any additional installation as required by the instructions included with your refrigerator.

13. Install fuse within fuse holder.

14. Your Power Ventilator is now functional and will be energized by the fan limit switch when the temperature elevates above 100° ambient. This system will operate automatically with the fluctuation of the condenser temperatures.

REFRIGERATOR ACCESS (Rear):

With the use of this Kit in conjunction with below floor ventilation, a sealed access panel is required. Access is necessary to complete the installation, and perform gas leak tests and periodic service maintenance. If the access is located within an interior wall, it must be completely sealed from the living space.

If the refrigerator is placed along the sidewall and floor ventilation is provided, rear access is still required. This door or panel should prevent water entry. The following are minimum sizes allowed for each series of refrigerator:

Table 1, Page 4.

FIG. 1

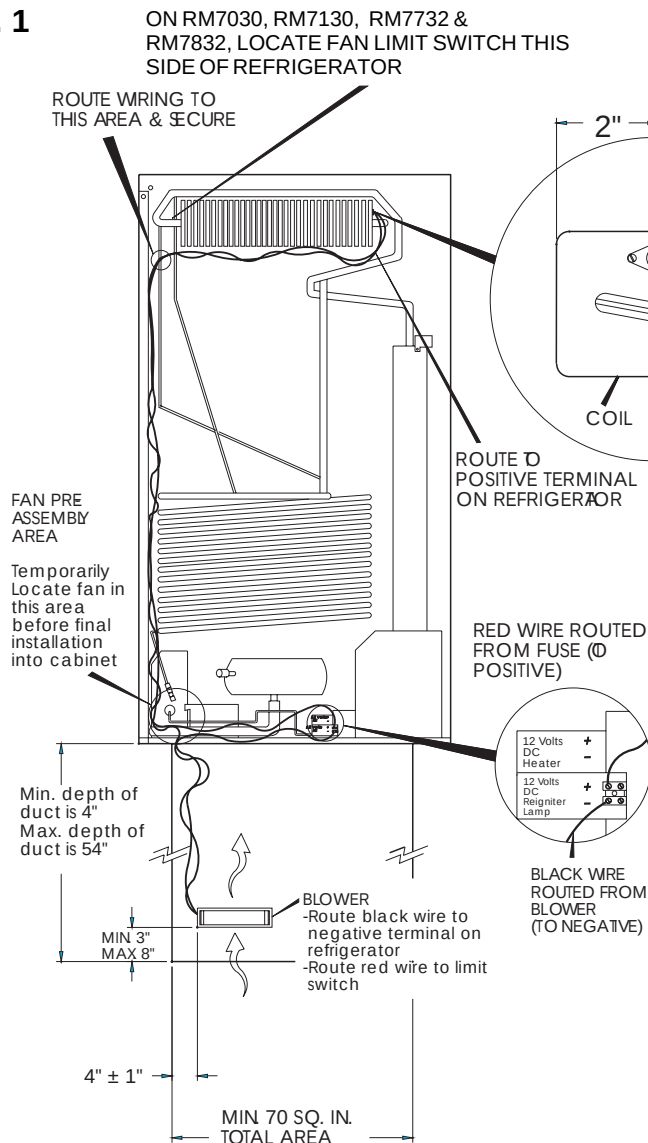


FIG. 1A

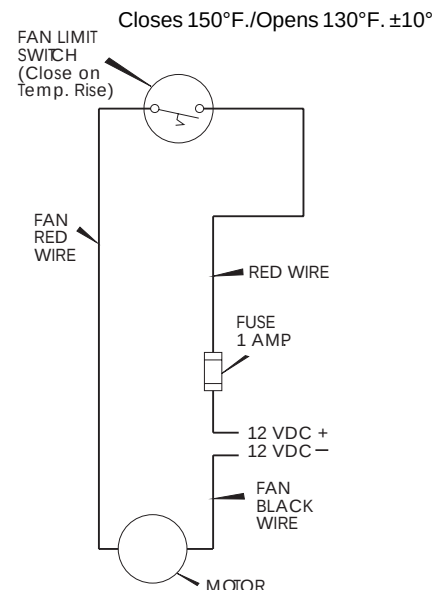
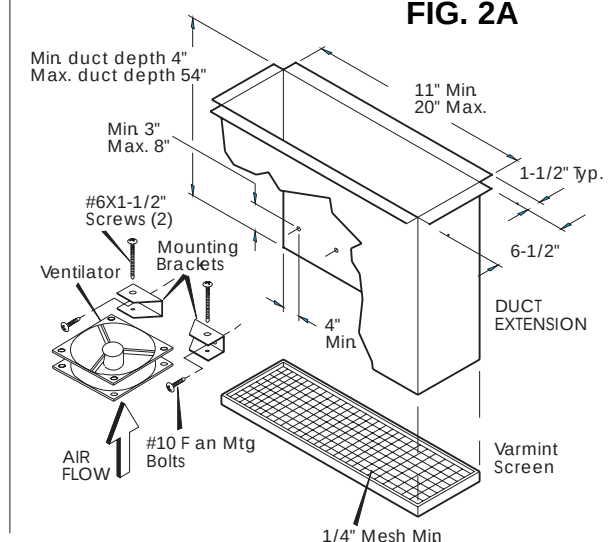


FIG. 2A



THIS SECTION COVERS SMALL DOUBLE-DOOR REFRIGERATOR MODELS

SECTION B.

UPPER AND LOWER SIDE VENT (PLASTIC)

USE ONLY ON MODELS IN TABLE 2.

NOTE: FAN LIMIT SWITCH SHOULD BE INSTALLED ON CONDENSER COIL BEFORE CONTINUING INSTALLATION. SEE FIG. 1A.

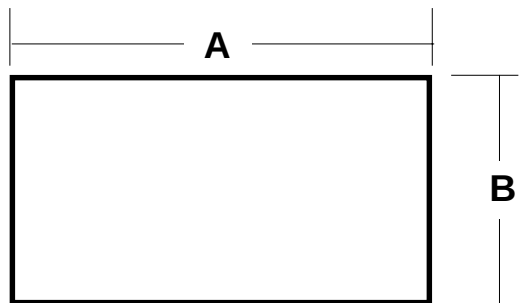
1. Install refrigerator per installation instructions per specific model requirements.

NOTE: Completion of ventilator fan installation will be made through the rear access panel area. See your installation instructions for cabinet dimensional requirements. See Table 2 for minimum vent heights.

2. Install fan in upper vent as shown in FIG. 2C (**NOTE: ensure that air flow arrow is pointing upward.** Screws mount through fan into sidewall. Adequate support must be provided in this area.)
3. Route fan red wire with terminal to the fan limit switch previously installed and attach.
4. Remove fuse in fuse holder and store in safe location for later installation.
5. Route fuse holder red wire with terminal to fan limit and attach.
6. Connect the remaining fuse wire to the 12VDC positive (+) connection on the incoming side of the refrigerator terminal block. DO NOT INSTALL FUSE AT THIS TIME.

TABLE 1

MODEL SERIES	DIMENSION	
	A	B
RM2607 RM2807 RM2611 RM2811 RM2612 RM2812 RM2652 RM2852 RM3607 RM3807 RM3662 RM3862 RM3663 RM3863 S1621 S1821 S1631 S1831 RM4804 RM4872 RM4873	22"	14"
RM7030, RM7130, RM7732, RM7832	32"	16"



7. Install black wire from fan motor to the 12VDC negative (-) connection on the incoming side of the refrigerator terminal block.
8. Ensure that all wiring is held securely and will not come in contact with a sharp edge or hot surface. See FIG. 1C.
9. Complete any additional installation as required by the instructions included with your refrigerator.
10. Install fuse within fuse holder.
11. Attach wiring diagram from kit beside existing wiring schematic.
12. Your Power Ventilator is now functional and will be energized by the fan limit switch when the temperature elevates above 100° ambient. This system will operate automatically with the fluctuation of the condenser temperatures.

TABLE 2

MODEL	Min. Dim. "A"
RM2607	49"
RM2611	49"
RM2612	49"
RM2652	53"
RM3607	49"
RM3662	53"
RM3663	53"
S1621	52"
S1631	52"

FIG. 1C

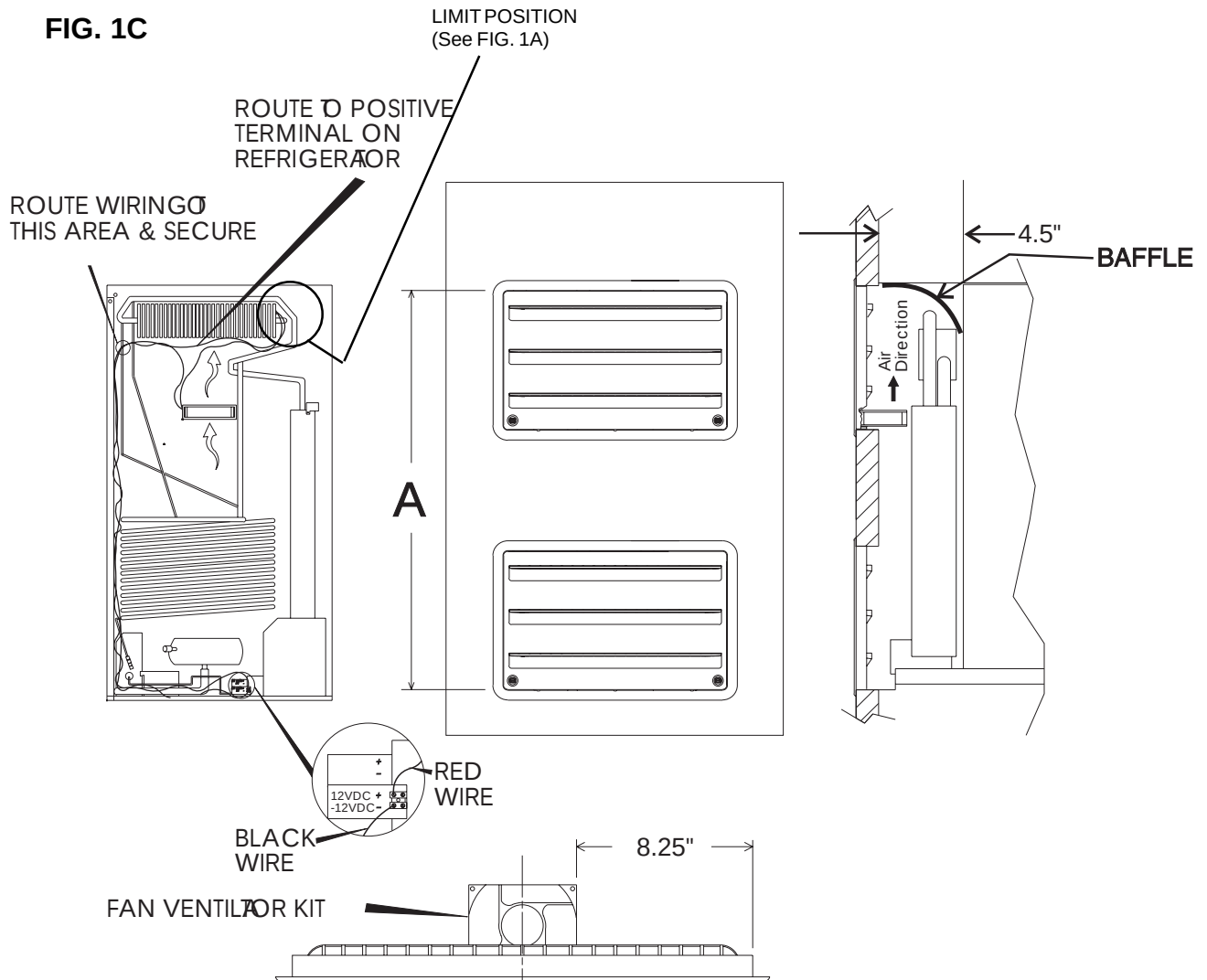
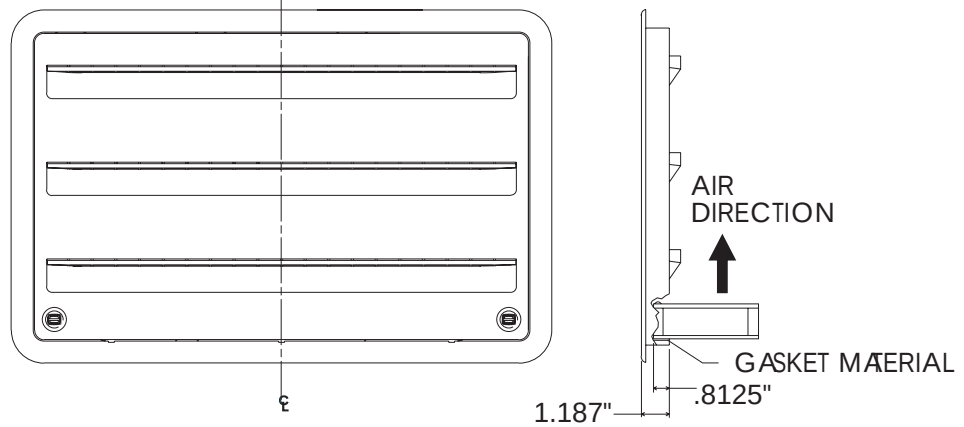


FIG. 2C



THIS SECTION COVERS LARGE DOUBLE-DOOR & SIDE-BY-SIDE REFRIGERATOR MODELS

SECTION C.

UPPER AND LOWER SIDE VENT (PLASTIC)

Use only on Models in Table 3. **NOTE: Fan limit switch should be installed on condenser coil before continuing installation. See FIG. 1.**

NOTE: To use this application on these specific refrigerators the cabinet depth must be increased to 25" to accommodate the fan.

1. Installation of the ventilator fan must be completed prior to installing the refrigerator. Installation requirements dictate that the ventilator fan be installed on the coach sidewall.
2. See your installation instructions for cabinet dimensional requirements. See Table 3 for minimum vent heights allowed for this installation. (**NOTE: Ensure that air flow arrow is pointing upward.** Screws mount through fan into sidewall. Adequate support must be provided in this area.)
3. Mount the ventilator fan as indicated for the respective model in Table 3.
4. Route red fan wire with terminal to the vent opening for later installation.
5. Fan black wire can be routed to the lower vent area for later attachment.
6. Install refrigerator in cabinet per installation instructions.
7. Remove fuse in fuse holder and store in safe location for later installation.
8. Route fuse holder red wire with terminal to fan limit and attach.
9. Connect remaining fuse wire to the 12V DC positive (+) connection on the incoming side of the refrigerator terminal block. **DO NOT INSTALL FUSE AT THIS TIME.**
10. Install black wire from fan motor to the 12V DC negative (–) connection on the incoming side of the refrigerator terminal block. Connect the red fan motor wire to fan switch.
11. Ensure that all wiring is held securely and will not come in contact with a sharp edge or hot surface.
12. Complete any additional installation as required by the instructions included with your refrigerator.

13. Install fuse within fuse holder.
14. Attach wiring diagram from Kit beside existing wiring schematic.
15. Your Power Ventilator is now functional and will be energized by the fan limit switch when the temperature elevates above 100° ambient. This system will operate automatically with the fluctuation of the condenser temperatures.

TABLE 3

Model	Min. Dim. "A"	Install Per
RM2807	57"	FIG. 3
RM2811	57"	FIG. 3
RM2812	57"	FIG. 3
RM2852	61"	FIG. 3
RM3807	57"	FIG. 3
RM3862	61"	FIG. 3
RM3863	61"	FIG. 3
RM4872	61"	FIG. 3
RM4873	61"	FIG. 3
RM7732	63"	FIG. 4
RM7832	63"	FIG. 4

IMPORTANT NOTICE:

**FAILURE TO INSTALL THE SIDE VENTS
AND POWER VENTILATOR PER THE
SPECIFICATIONS HEREIN WILL VOID
THE REFRIGERATOR'S WARRANTY.**

FIG. 3

8 FT. MODEL(S) INSTALLATION

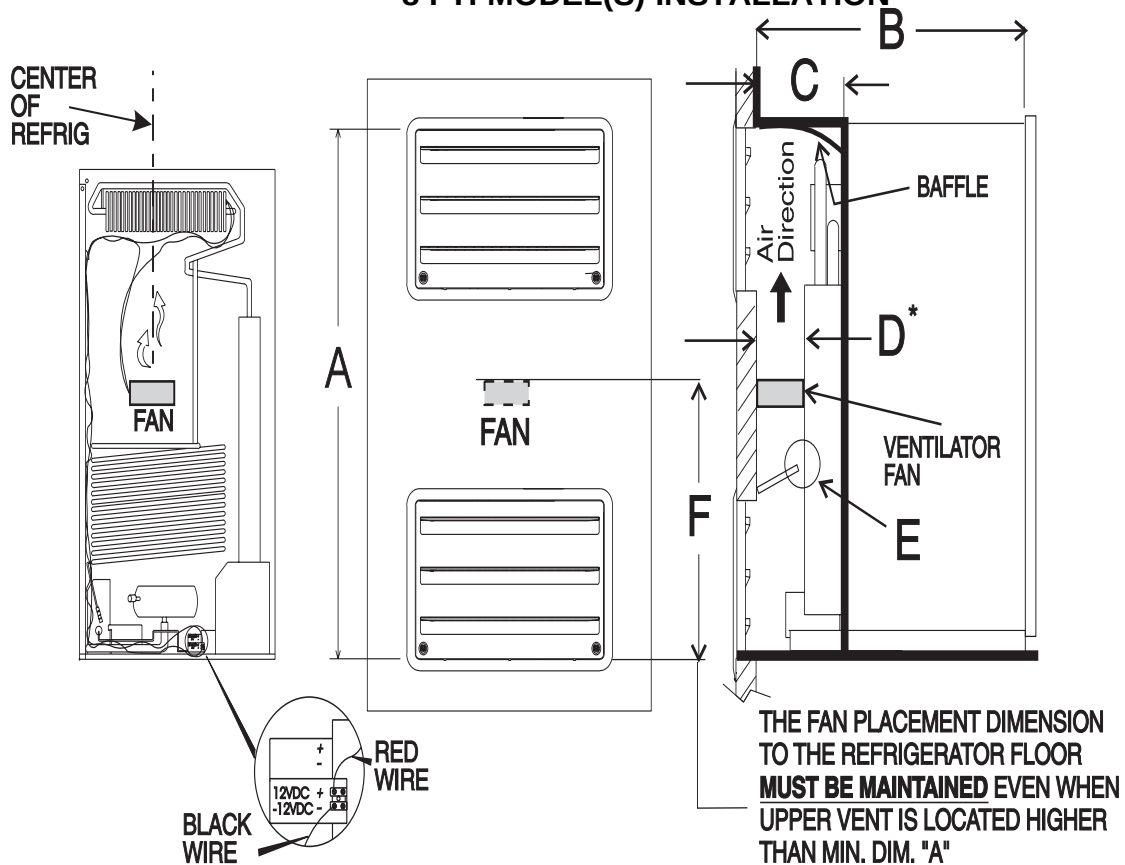


FIG. 4

SIDE-BY-SIDE MODEL(S) INSTALLATION

