



Smart RV Fridge-Fix Product #3

Installation Instructions

DOMETIC
8551
8555

Thank you for purchasing a Fridge-Fix for your RV refrigerator!

Before we get started, take a look at your Fridge-Fix. We have had some feedback regarding the surface finish of the device. We currently use an extrusion based manufacturing process to create the fan body housing. This process can occasionally leave small lines or light abrasions on the surface of the device. These marks are completely normal due to the process we currently use. We polish the surface of the devices before shipping to minimize the effects of these marks. If you are not happy with the finish of your device, please contact us at (877)472-7799 and we will get you a replacement unit.

Preparation:

Depending on how you install, you will need the following tools:

- Pliers
- Scissors
- Flat Head Screwdriver

Finding Power

The Fridge-Fix runs off of 12 volt DC power. There are two sources of power that most people use:

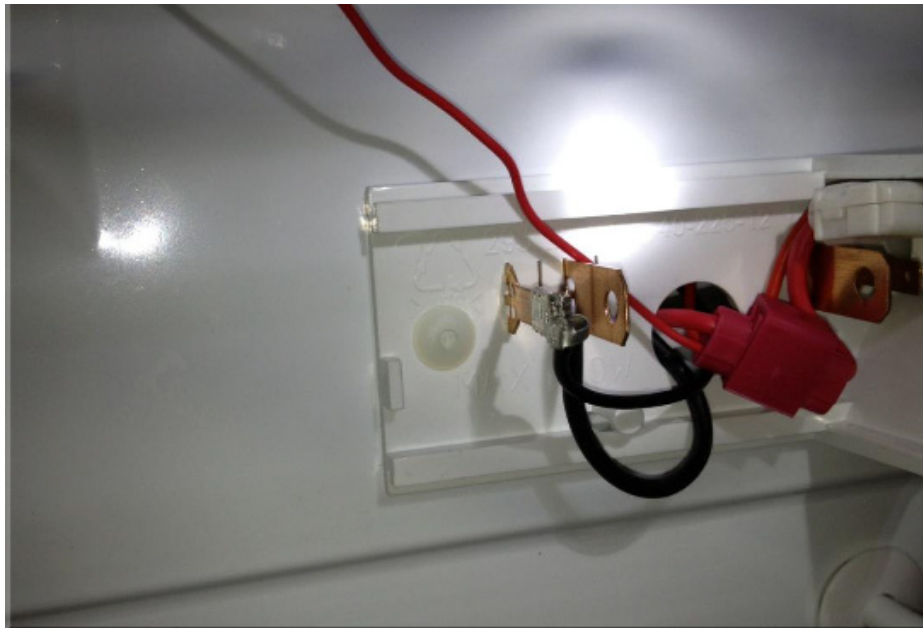
1. The hot power wire from the interior refrigerator light
 - Best for Dometic 2 door models
2. 12 volt power from the rear of the refrigerator
 - Best for Dometic 4 door RM1350

Let's start out with power method #1, the hot power wire from the interior refrigerator light.
(Dometic 2 door models)

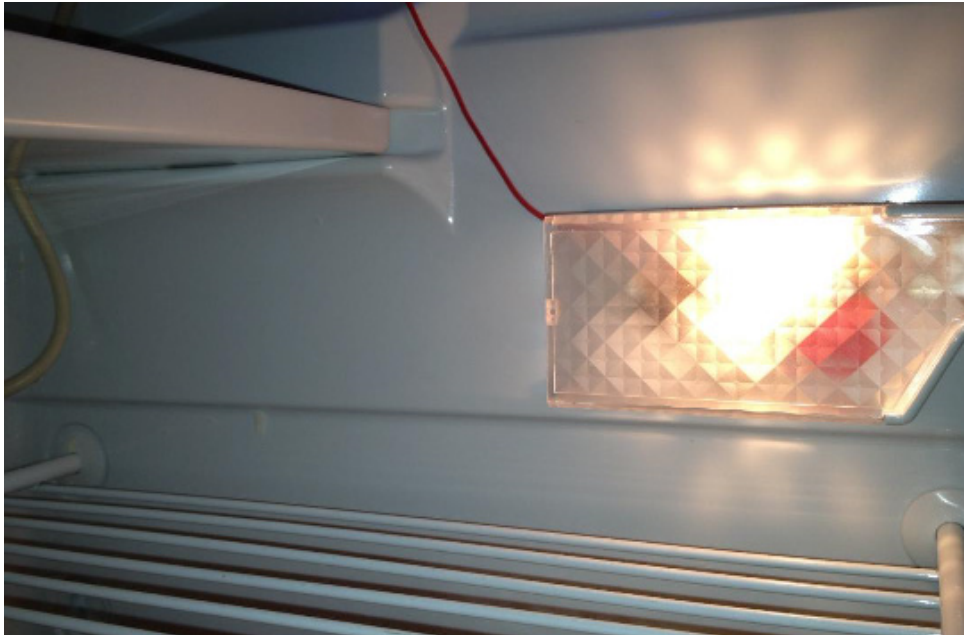
As you can see in the picture Below, there is a white clip that attaches to the back side of the light switch. The wires that lead to that clip are always “hot”, regardless of whether the light is on or off. These wires are the power source for the interior light, and work very well as a source of power for the Fridge-Fix



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This is a shot of the wire coming from the back of the light cover. The light cover is open in the rear, so the wire is easily routed this direction.



Let's look at power method #2, the 12 volt power source from the rear of the refrigerator. (Dometic 4 door models)

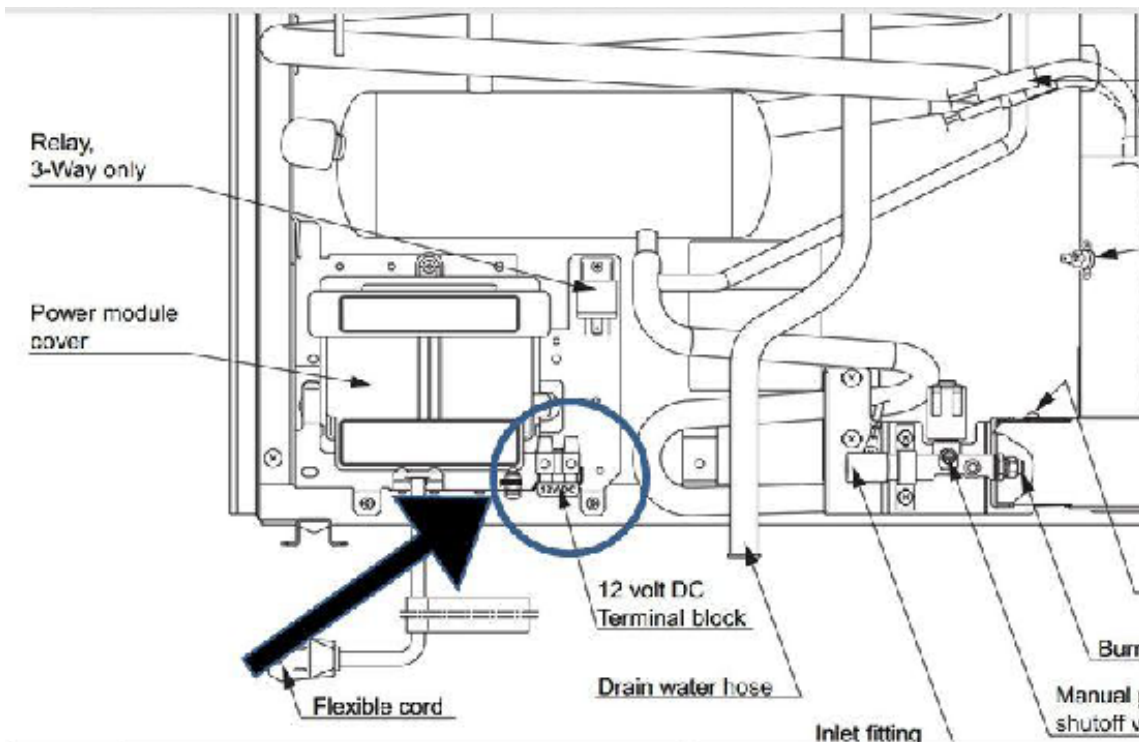
12 volt power is available at the rear of the refrigerator, but it takes some work to get to. The easiest way to it is to run the power wire through the grommet that the white thermister wire runs through (Dometic), but this takes some doing. Our suggestion is to pry the grommet open a little, and then slip the wire through the hole.

Using the thermister wire hole takes some doing, and is best done using another person outside the RV to help locate the wire as it comes through the hole. Where the thermister wire enters the refrigerator there is usually a putty type of substance. It is easily pulled off to allow the wire to travel through, then it can be reapplied as needed. (NOTE: It is absolutely imperative that the Fridge-Fix power wire be routed away from touching the cooling unit. The cooling unit gets very hot and can melt the coating on the power wire)

An alternative way to run the power wire to the back of the refrigerator is through the condensation drain line. You can route the red (or white) power wire of the Fridge-Fix all the way through the black exterior drain line. Once the wire exits the drain line, it can be routed back up into the rear of the refrigerator through the access panel. When using this method, the power wire will have to be taped to the plastic drain tube (black electrical tape works well). If you choose to route the wire through the drain tube, there is extra wire included with your unit. Note on the photo below: the wire exits the condensate drip line, then is routed back up into the rear of the fridge.



Below is a schematic of a Dometic 2652: (Many of the other Dometic refrigerators are configured this way) **-NOTE THE LOCATION OF THE 12VOLT DC TERMINAL BLOCK**



Determine the 12Volt DC positive wire, and attach the red or white wire from the fridge fix. Most people opt to just insert the Fridge-Fix power wire in beside the 12 Volt DC positive at the terminal block, and tighten them down together. Another approach is to use the included red splice in your kit to splice into the +positive power wire. If you are not comfortable working with 12 Volt electrical power, then please have the Fridge-Fix installed by your dealer.

Attach the Fridge-Fix

The Fridge-Fix is EASY to install, but you must follow these steps, or the velcro will not stick.

- Open the refrigerator door to allow the roof of the refrigerator to warm up. Leave the door open for 10-15 minutes.
- Clean the roof of the refrigerator compartment with a household cleaner. Once clean, wipe down with a paper towel to remove any residue that was left.
- Remove the plastic covering on the Velcro adhesive strips.
- Attach the Fridge-Fix to the ceiling of the fridge. Hold it firmly against the ceiling of the fridge for approximately 10 seconds.

When you attach the Velcro, if there is ANY moisture or condensation at all, the Velcro will not stick. Please make sure that the surface is clean and dry before applying. If the refrigerator is cold, condensation will form almost immediately. Have paper towels handy so you can wipe immediately before installation. The air exit holes should be touching the cooling fins when the Fridge-Fix is mounted in position.



Attach the ground clip



There is a ground clip at the end of the BLACK wire on the Fridge-Fix. This clip needs to be attached to one of the refrigerator cooling fins. The clip is high tensile steel, and may take a fair amount of pressure to attach. The picture below shows the clip, and what the clip looks like installed.

YOU ARE NOW DONE WITH THE INSTALL!

The device should be turned on any time that your refrigerator is running.

WE HOPE YOU ENJOY YOUR FRIDGE-FIX!

If you have ANY questions, feel free to call (877)472-7799 for help.
HAPPY CAMPING!