

Fabulous Range Hood Upgrade Kit

INFORMATION, SPECIFICATIONS and INSTALLATION INSTRUCTIONS

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MODEL - SAM-1

UPGRADE KIT - 12" x 9 ½" x 4" SAM-1 ventilator, direct-exhaust Gasket, butt connector and screw pack.

FEATURES

12 Vdc, 3-speed fan motor combined with a 6" x 3" squirrel cage for high-volume air-exchange and efficient ventilation, as well as:

- 12 Vdc, 2-setting LED light with high-intensity for cooking and a soft nightlight.
- Low-profile, galvanized steel electrical box.

Note: To fit 18" deep range hoods, trim 2" from electrical box.

(*OPTIONAL*) **NON-RESTRICTIVE WALL GRILL/VENT - 12" x 5 ¼"** comes with installation gasket and fits original 10" x 3 ¼" manufacturer designed direct-exhaust range hoods in mobile structures.

5-STEP OPERATING INSTRUCTIONS

1.) *Open* the damper door by sliding the finger grip, located behind the grease filter, completely *left*.

Note: *Damper door must be open fully while operating fan*; close damper door while coach/rig is in storage, traveling and/or when fan is not in use.

2.) Turn the OEM fan and light switches, located on the face of your range hood, to the *on* position.

3.) Reaching under the *right* side of your Fabulous Hood Kit, push the rubber-capped lever:

- *Up* for the bright cooking light.
- *Down* for the soft nightlight.

4.) Reaching under the *left* side of your Fabulous Hood Kit, push the rubber-capped lever towards:

- The *lowest* position (low) for cooking smoke and odor extraction.
- The *middle* position (medium) for coach/rig ventilation with slightly open window/s.*
- The *highest* position (high) for maximum coach/rig ventilation with slightly open window/s.*

Note: *Window/s must be slightly open at medium and high.*

*Low air-flow OEM range hoods create *minimum* negative air-pressure with windows closed. SAM-1 is designed to create *maximum* negative air-pressure offset by operating with window/s slightly open.

5.) The OEM fan and light switches, located on the face of the range hood, now allow your pre-selected SAM-1 settings to be turned *off* or *on* as desired.

10-STEP INSTALLATION INSTRUCTIONS

Recommended Tools/Materials:

- Flat work surface and a towel or cloth to prevent surface damage.
- Phillips screwdriver and square tip screwdriver, both #2 tips.
- Wire Cutter.
- Wire Stripper.
- Wire Crimper.

1.) Remove Range Hood:

Select a flat work surface and place a towel or cloth down to prevent marring. Now, remove the screws that secure the range hood to the cabinet. All installations have 4 screws through the top of the range hood into the bottom of the cabinet. Some have 2 additional screws through the back of the range hood into the wall. As you lower the hood, unplug or cut the power supply leads individually at the wire nuts (see **Fig. 1** and **Fig. 1A**). Place the disconnected range hood on the work surface with the OEM tin box facing up and the exhaust port nearest you (**Fig. 2**).

2.) Disconnect Ground Wires:

Remove the Phillips/square tip screw securing the electrical box (**Fig. 3**). Remove the electrical box from the range hood to expose the wires connecting the tin box to power supply. Cut the *white* supply ground and the *green* ground at the wire nut seen in **Fig. 4**.

****Note: During installation steps #3 and #6, check the color of the lead wires from your range hood's light and fan switches. Manufacturers use varying colors. You must identify the color of the wire leaving the light and fan switches going to the tin box.**

3.) Cut the Light and Fan Switch Wires**:

Caution: Do not modify the positive supply lead. This lead (normally black) runs from the original power wire nut to the light on/off switch then jumps to power the fan on/off switch. ***This circuit must remain undisturbed.***

Cut the wire exiting the tin box that connects to the light switch (usually red) (see **Fig. 5**). Cut the wire exiting the tin box that connects to the fan switch (usually black) (see **Fig. 6**).

4.) Remove Tin Box:

Remove the 4 screws securing the tin box to the range hood. Next, identify and bend the 2 metal tabs at each side of the exhaust port to remove the tin box from the range hood (**Fig. 7**).

Before proceeding, position your new SAM-1 upgrade with the filter up and exhaust port nearest you.

5.) Strip and Crimp Ground Wires to SAM-1 Pig Tail:

Unplug the three circuit pig tail (with 3 *blue butt connectors*) from the right rear side of your new SAM-1 (**Fig 8**). Strip the *white* and *green* ground wires cut during installation step #2 (refer to **Fig. 4**). Twist the wires together then crimp to the *white* pig tail's *butt connector*.

6.) Strip and Crimp Switch Wires to SAM-1 Pig Tail**:

Strip the cut end of the fan switch wire and crimp it to the *red* pig tail's *butt connector* (**Fig. 8**). Strip the cut end of the light switch wire and crimp it to the *black* pig tail's *butt connector*.

Note: *Crimped connections must be firm to remain intact.*

7.) Align and Fasten SAM-1 into Range Hood:

Temporarily fit the gasket over the SAM-1 exhaust outlet with the paper side facing the outside wall (**Fig. 9**). Place SAM-1 inside the range hood with the gasket against the exhaust opening. Check the alignment of the original mounting screw holes with SAM-1's mounting slots. Once proper gap-free gasket alignment is accomplished, remove the adhesive-protecting paper and securely fasten SAM-1 to the range hood using the original #8 screws or the #10 x 3/8" Phillips screws provided with the Upgrade Kit. (*Refrain from fastening the final screw to the back-right screw mount; it will be fastened in step #9*).

8.) Install Range Hood:

Plug the pig tail into SAM-1. Restore the positive connection from the power supply to the hood using the enclosed *blue butt connector*, if cut in step #1. Reinstall the range hood to its original position onto the bottom of the cabinet.

9.) Test SAM-1 Operation/Install Electrical Box:

Refer to Operating Instructions to test your new Fabulous Operating Products SAM-1 ventilator. Once properly secured and fully operational, install your new low-profile electrical box† by securing the final screw through both the flange slot and SAM-1's back right flange slot. Now, install final screw in electrical box.

†Note: No trimming is necessary for 20" deep range hood systems. 18" systems require 2" to be cut off from the end of the electrical box with tin snips.

9A.) Optional Step:

Customers may opt to reuse their original electrical box (e.g. PH series with slanted box). To do so, the original tab that helps hold the OE electrical box to OE tin box must be bent flat. Once the tab is flat, cover the wiring and the back side of OE switches. Simply butt the OE box to the SAM-1 ventilator and replace the last screw.

Note: Customers may also opt to use their original equipment (OE) wall grill/vent. SAM-1 is compatible with OE wall vents. Metal exhaust flapper dampers should be removed after taking out original tin box. Customers may also opt to remove any flapper damper (typically fabric with Velcro attachment) built into the OE wall vent. Remember, your SAM-1 has a mechanical easy slide damper to keep tiny insects, moisture, dust or hot and cold weather out of your coach/rig when not in use. If using a Fabulous Non-Restrictive Wall Grill/Vent, proceed to step #10.

10.) Installing the Non-Restrictive Wall Grill/Vent:

Proceed outside the coach/rig to install your new Fabulous Non-Restrictive Wall Grill/Vent with gasket (no glue, mastic, butyl or putty tape necessary). Remove old wall vent, clean wall then screw new wall grill (with louvers pointing down) through the mounting flange and gasket to the wall using the #8 x 1" Phillips screws provided. A bead of sealant may be run around the four sides of mounting flange along the wall, although that sealant is not necessary when utilizing the provided Fabulous Operating Products grill/vent gasket.

WARRANTY REGISTRATION INFORMATION

Customers have conveyed that it is more convenient to register warranties online. To do so, visit our web site: www.fabulousoperatingproducts.com. Simply select the Warranty Registration tab, then enter your information.

If your preference is to register by mail, call 1-810-969-4450 or fax 1-810-969-4453 so we may send you a Warranty Registration form, if not included in original packaging.

Send Warranty Registration form to:

Fabulous Operating Products, LLC
401 McCormick Drive
Lapeer, Michigan 48446
Attn: Warranty Manager

Personal information contained within the warranty registration form is kept in strict confidence by Fabulous Operating Products, LLC (FOP, LLC) and is not shared with any person or company outside of FOP, LLC.

Thank you for purchasing the SAM-1 Ventilator.

Consumers are the intelligent body prudent businesses adhere to. Let us know what you think of our product. We welcome all feedback, positive or negative; it's the key ingredient in our recipe for success.

Your opinion matters to FOP, LLC.

Installation Illustrations



Fig.1

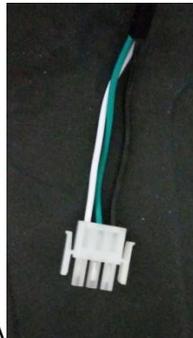


Fig.1A



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.8



Fig.7



Fig.9

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