

AUTOMATIC FAN INSTALLATION INSTRUCTIONS

The Universal Mount Fridge Compartment Fan can be installed in four different ways (see "4 Ways to Install" round label):

1. Vent Mount - by twisting the tapered wings into the caulking that seals the vent to the roof.
2. Back of Fridge - by securing the fan to the refrigerator coils using the metal straps and hardware included.
 - A. Using pliers, bend one end of the metal strap into a curve that will encircle the coil. Using pliers, clamp the end of the bend against the straight portion of the strap and insert a bolt; add nut and tighten so that the metal strap is secure around the coil.
 - B. Repeat the same procedure to mount the second metal strap.
 - C. When both metal straps have been securely mounted to a coil, attach the fan housing to the metal straps using the nuts and bolts provided.
3. Floor Mount - by securing the fan to the floor behind the refrigerator using the metal straps provided.
 - A. Bend each metal strap into an elongated "U" shape, leaving at least one hole at each end of the metal strap before the bend.
 - B. Secure one end of the metal strap to the floor with the provided sheet metal screws.
 - C. When both straps have been securely mounted to the floor, attach the fan housing to the straps by bolting the housing to the bracket using the nuts and bolts provided.
4. Wall Mount - by securing the fan to the wall of the refrigerator compartment using the provided bracket adaptor and screws.
 - A. The wall mount installation should be in a location where the fan will create optimum air circulation. With the provided screws, fasten the adaptor bracket with the flat side against the compartment wall, and the arrow on the bracket pointing up.
 - B. The curvature of the upper half of the bracket will match the curvature of the fan shroud. The back side of the fan shroud has three spoke supports for the motor. The spoke that is 180° opposite of the silver thermostat is the spoke that will attach to the mounting bracket. Position the shroud spoke between the two mounting bracket forks and slide the shroud down until it contacts the step on the mounting bracket.



WARNING - To avoid risk of fire, a 1 amp 12 volt DC fuse should be installed between the on/off switch and the 12 volt + power source.

Choose a location for the provided on/off fan switch that can be easily accessed. The switch and switch plate are designed to be mounted on an interior compartment wall, with the switch wiring on the opposite side of the wall. Prior to cutting the hole for the switch, be sure there is adequate room behind the wall to install the switch wiring. The hole for the switch will need to be 5/8" by 1-3/8" (see diagram). Once the rectangle hole for the switch body is cut, the switch plate can be used as a template to drill 1/16" holes for the switch plate screws.

Connect the black wire from the negative (-) fan motor terminal to an electrical ground location.

Connect the red wire from the positive (+) fan motor terminal to the # 1 position on the back of the on / off switch. Use the provided wire connectors to secure the red wires to the back of the switch.

Using a separate length of provided red wire, connect one end to the # 2 position on the back of the switch, and the other end to a constant 12 volt power source.

The switch plate can now be secured to the wall with the provided screws. The installation is now complete.

NOTE: When the switch is in the "on" position, the thermo switch in the fan shroud will activate when the refrigerator compartment reaches 100° F, and the thermo switch will shut the fan off at approximately 80° F. The thermal switch will prevent the fan from running during cooler hours of the day. When the on/off switch is in the off position, the fan will not operate. Be sure to have the on/off switch in the off position when the RV is not in use.



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