

READ AND SAVE THESE INSTRUCTIONS

IMPORTANT SAFEGUARDS

CAUTION : To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls or ceilings or into attics, crawl spaces, or garages.

WARNING: To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

WARNING - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK OR INJURY TO PERSONS OBSERVE THE FOLLOWING.

a) Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

b) Before servicing or cleaning the unit, switch power to off at service panel, and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

CAUTION - For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

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c) Installation work and electrical wiring must be done by qualified, competent, trained person(s) in accordance with all applicable codes and standards using proper safety practices, including fire-related construction.

d) When cutting or drilling into a wall or ceiling, ALWAYS identify hidden electrical wiring and other hidden utilities in advance, to avoid damage.

g) Ducted fans must always be vented to the outdoors.

f) Do not install in cooking area.

Caution: For general use only. Do not use to exhaust hazardous or explosive materials or vapours.

This fan is designed to mount between exterior walls 4-1/2" to 9-1/2" in thickness.

The exterior wall cap is to be mounted to 1 x 2" frame (casing) secured to the exterior wall. If the exterior wall sheathing is not plywood you will be required to add support and secure the frame (casing) &

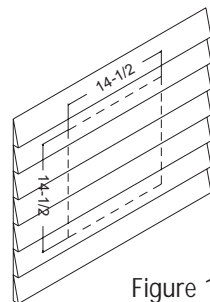


Figure 1

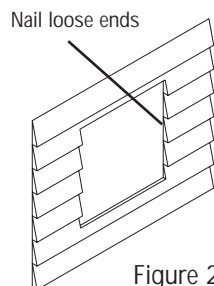


Figure 2

exterior wall cap. (fig 1)

BEGINNING THE INSTALLATION

Remove the motor bracket assembly (which includes the bracket / fan motor / & blade) from the fan housing. Loosen the 2 screws which secure the bracket in place – Once loosened enough carefully maneuver the motor bracket so the screw heads clear the keyhole slots. Carefully remove the motor bracket assembly and place it where it will not get damaged. Remove the inner housing from the outer housing (it is slide in place). Along with the fan will be packaged the wiring compartment, and wiring compartment cover & motor receptacle, along with 2 mounting screws.

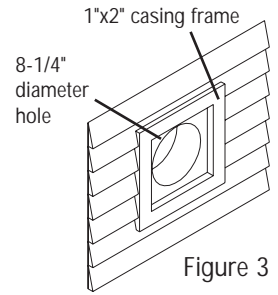


Figure 3

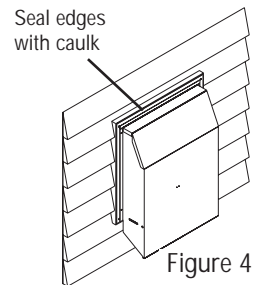


Figure 4

MOUNTING THE HOUSING

Choose the best location to mount the housing on an interior wall. Make sure there are no studs, or electrical/mechanical utilities where you have selected.

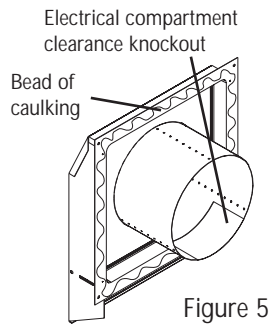


Figure 5

1. Once you have selected the best location on the interior of the house transfer that location to the outside of the house and check that there are no obstructions / and clearance for the fan to operate properly.

2. Once the installation has been checked cut a 8-1/4" dia hole in the interior wall where the fan is to be located.

3. Drill a small hole through to the outside in the center of the 8-1/4" dia hole so you can properly locate the exterior wall cap.

4. On the siding of the outside wall layout a 14-1/2" x 14-1/2" square with the small hole (drill in step 3) in the center. (fig 2)

5. Cut out the square hole. – ONLY CUT THE EXTERIOR WALL SIDING DO NOT CUT THE SHEATHING UNDERNEATH. (fig 3)

6. Once the siding is cut nail down all the loose ends of the siding.

7. In the center of the 14 -1/2" square mark and cut a 8 -1/4" dia hole in the wall sheathing.

8. Install 1" x 2" casing strips for support on edges of the 14 -1/2" square hole. These casing strips are to be secured to plywood sheathing via screws or nails. If sheathing is not plywood you will have to add support. (fig 4)

9. On the interior flange of the wall cap apply a generous amount of caulking.

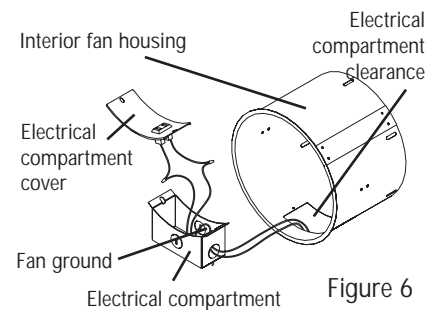


Figure 6

INSTALLATION INSTRUCTIONS

10. If the Wall is less than 8" thick remove one or more of the electrical compartment clearance knockouts. (fig 5)

11. Install the Exterior wall Cap housing through the hole and onto the casing strips and secure in place using screws or nails. Seal the flange where the wall cap meets the wall with Caulk. (fig 6)

INSTALLING THE INTERIOR HOUSING AND ELECTRICAL WIRING

Note: All electrical wiring must comply with local and national electrical codes.

This fan can be controlled with a standard wall switch carrying the appropriate electrical ratings.

1. Run wiring to the fan housing from a wall switch – White, Black, & Green or Bare copper ground.
2. From inside the house insert the interior fan housing into the exterior fan housing. The interior fan housing should be tight against the interior wall, align the 3 holes at the end of the interior housing with 3 holes in the exterior housing and secure in place with the 3 screws provided.
3. Pull the wires through the electrical compartment clearance hole in the interior housing.
4. Retrieve the electrical compartment and electrical compartment cover (with fan receptacle).
5. Remove one of the electrical knockouts in the electrical compartment and secure the wires to the electrical compartment using an approved electrical connector.
6. Connect the house ground to the fan via the green ground screw.
7. Push the electrical compartment & wires back through the clearance hole in the interior housing, The flanges on the electrical compartment will stop the electrical compartment from going completely through
8. Wire the receptacle in the wire compartment cover to the house wiring (white to white, black to black) use approved electrical connectors and electrical tape. (fig 7)

9. Align the electrical compartment cover with the electrical compartment & mounting holes, secure in place with 2 screws provided.

COMPLETING THE INSTALLATION

1. Reinstall the fan's Motor, Motor bracket, & blade and tighten down the screws to secure in place – Rotate the fan blade by hand to ensure it is spinning freely, make any necessary adjustments.
2. Plug the motor into the receptacle
3. Install the fans grill by positioning the grill over the hole and aligning the center hole with the grill mounting hole on the motor bracket. (fig 1)
4. Secure the grill by installing the grill knob, turn to tighten.
5. Turn on the power and test your installation.

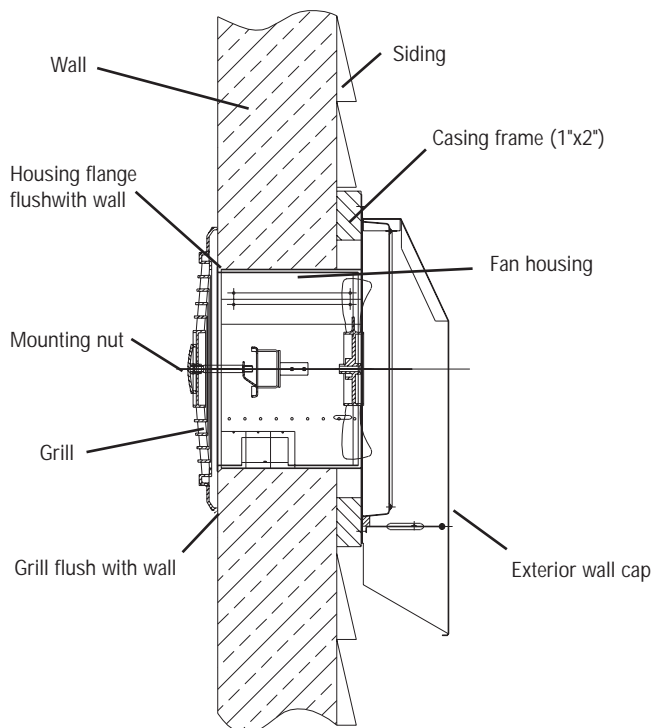


Figure 7