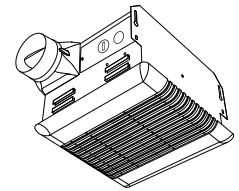


Model: ODD30-8010



WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switching on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
3. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.
4. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), and the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
5. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. Acceptable for use over a tub or shower when connected to a GFCI (Ground Fault Circuit Interrupter) - protected branch circuit (ceiling installation only).
8. This unit must be grounded.

CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. This product is designed for installation in ceilings up to a 12/12 pitch (45 degree angle). Duct connector must point up. **DO NOT MOUNT THIS PRODUCT IN A WALL.**
3. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
4. Please read specification label on product for further information and requirements.

CLEANING & MAINTENANCE

For quiet and efficient operation, long life, and attractive appearance - lower or remove grille and vacuum interior of unit with the dusting brush attachment.

The motor is permanently lubricated and never needs oiling. If the motor bearings are making excessive or unusual noises, replace the motor with the exact service motor. The impeller should also be replaced.

OPERATION

See "Connect Wiring" for details.

To Turn Fan ON

Turn the switch I ON (according to the following "CONNECT ELECTRICAL WIRING")

- Fan will run at the high speed if the switch II is OFF.
- Fan will run at the low speed if the switch II is ON.

To Turn Fan OFF

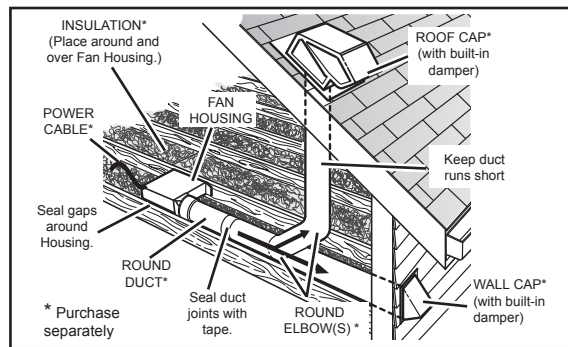
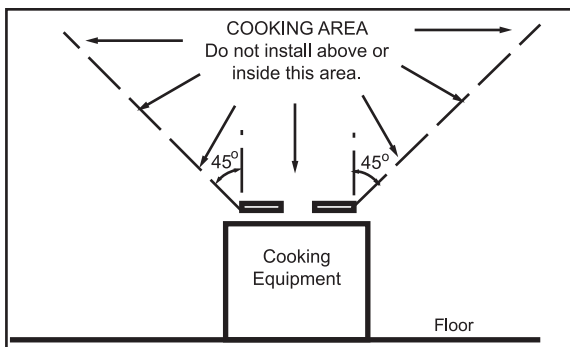
Turn the switch I OFF

READ AND SAVE THESE INSTRUCTIONS

Installer: Leave this manual with the homeowner.

PLAN THE INSTALLATION

1. Do not use in a cooking area.
2. Two ways to connect ductwork to a factory-shipped unit.



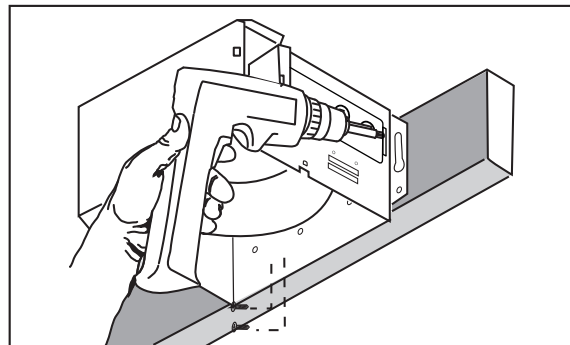
TYPES OF TYPICAL INSTALLATIONS

1. Housing mounted to I-joists (Start at "ASSEMBLY INSTRUCTIONS 1")
2. Housing mounted to joists (Start at "ASSEMBLY INSTRUCTIONS 1")
3. Housing mounted to truss (Start at step "ASSEMBLY INSTRUCTIONS 2")

ASSEMBLY INSTRUCTIONS

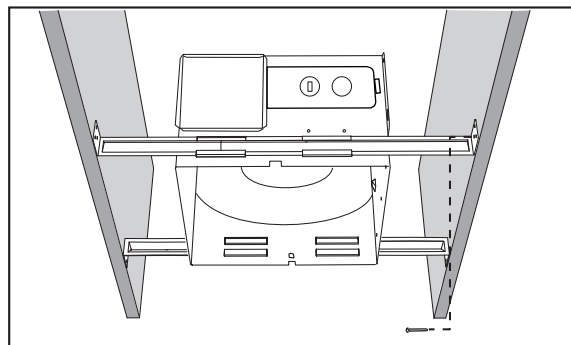
1. MOUNT HOUSING TO JOIST OR I-JOIST.

Hold the housing so that it is in contact with the bottom of the joist. Place the fan housing next to the ceiling joist. Using wood screws attach the housing loosely to the ceiling joist through the keyholes in the mounting tabs. Adjust the housing to be flush with the finished ceiling. For the grille to fit properly, the housing's rim must not extend beyond the finished ceiling surface. When the housing is correctly adjusted, tighten the screws in the slots.



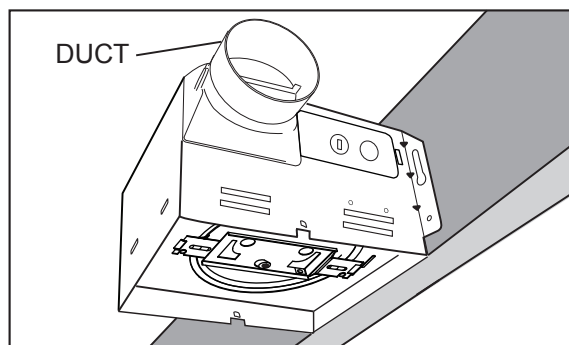
2. MOUNT WITH HANGER BARS

Insert the hanger bars into the slots in the housing. Place the fan housing between the joists, make sure the bottom of the housing is even with the finished ceiling. Extend the hanger bars to the joist. Use screws to secure the hanger bars to the ceiling joists.



3. ATTACH DAMPER/DUCT CONNECTOR

Snap the damper/duct connector onto the fan housing. The connector must be flush with the top of the housing, and the damper flap should fall closed.

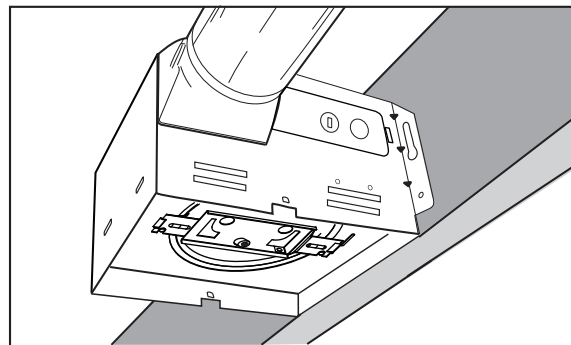


ASSEMBLY INSTRUCTIONS

4. INSTALL ROUND DUCTWORK

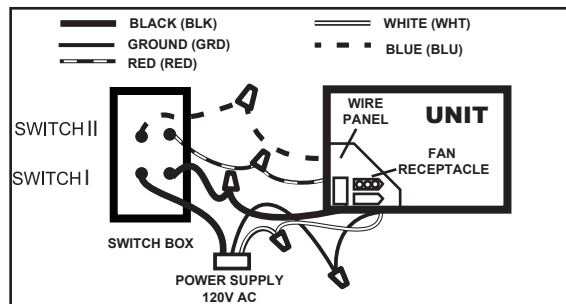
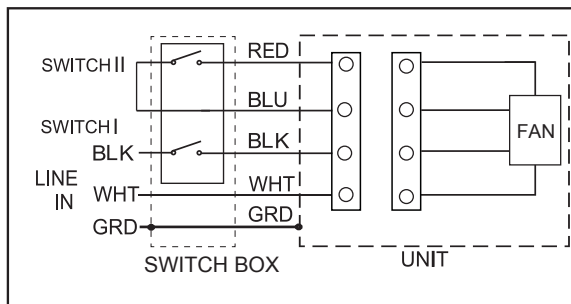
Connect the round ductwork (not included) to the damper/duct connector, and run the ductwork to a roof or wall cap (not included). Using tape (not included), secure all the ductwork connections so that they are air tight.

The ducting from this fan to the outside of building has a strong effect on the air flow, noise and energy use of the fan. Use the shortest, straightest duct routing possible for best performance, and avoid installing the fan with smaller ducts than recommended. Insulation around the ducts can reduce energy loss and inhibit mold growth. Fans installed with existing ducts may not achieve their rated air flow.



CONNECT ELECTRICAL WIRING

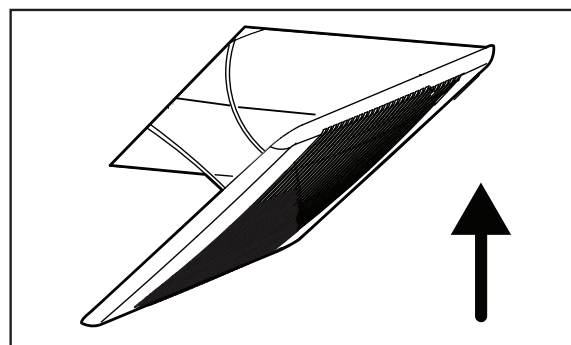
Run 120 V AC house wiring to the location of the fan. Use only UL-approved connectors (not included) to attach the house wiring to the wiring plate. Refer to the wiring diagram, and connect the wires as shown.



INSTALL GRILLE

Install ceiling material to complete the ceiling construction. Then, cut around the fan housing.

To attach the grille assembly to the fan housing, pinch the grille springs on the sides of the grille assembly, and position the grille into the housing with the grille springs in the appropriate slots. Push the grille assembly towards the ceiling to secure.



SERVICE PARTS

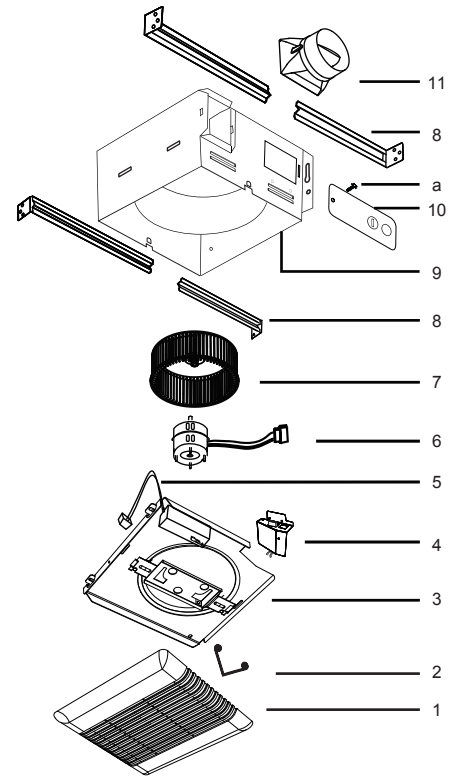
PART	PART NAME	Qty.
1	Grille Assembly	1
2	Grille Spring	2
3	Motor Plate	1
4	Wire Panel / Harness Assembly	1
5	Power box	1
6	Motor	1
7	Blower Wheel	1
8	Hanger Bars	4
9	Housing	1
10	Wiring plate	1
11	Damper / Duct Connector	1
a	Screw	1

* Blower Assembly includes part 3, 6, 7.

Replacement installation:

Remove the screw on motor plate (part 3), then take out the motor plate (part 3) from the housing (part 9) by pushing down the rib in the plate while pulling out on the side of the housing. Replace the broken parts.

WARNING: Before replacing, be sure to turn off power at power source.



WARRANTY

ONE YEAR LIMITED WARRANTY from the original date of purchase against defects in material and workmanship. This warranty is limited up to the amount of the original purchase price of the product, excluding any labor cost. For inquiries please visit www.ortechindustries.com or call 1-888-543-6473.