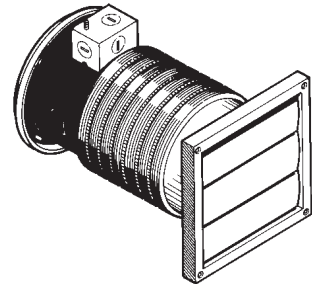




MODEL 512M THROUGH-THE-WALL VENTILATOR



READ AND SAVE THESE INSTRUCTIONS

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 below 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 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.
3. Installation work and electrical wiring must be done by 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 fueling 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.

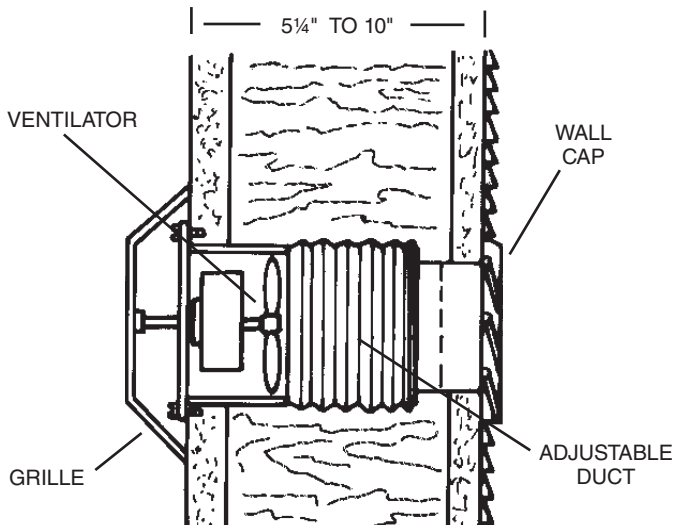
WARNING

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. To reduce the risk of fire, use only metal ductwork.
8. This unit must be grounded.

PLAN THE INSTALLATION

The ventilator can be installed in outside walls up to 10" thick. Walls less than 6" thick will not use the adjustable duct. Choose a location with no obstructions, such as wall studs, plumbing or electrical wiring.

The ventilator can be controlled using a wall switch or speed control (available separately).



CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.
2. To avoid motor bearing damage and noisy and/or unbalanced impellers, keep drywall spray, construction dust, etc. off power unit.
3. Please read specification label on product for further information and requirements.
4. The wearing of safety glasses and gloves is recommended when installing, maintaining or cleaning the unit to reduce the risk of injury that could be caused by the presence of thin metal and/or high moving parts.

If this fan is to be used to ventilate a garage:

- A. Use only in single family, residential garages
- B. Install in a GFCI protected branch circuit
- C. To help offset the risk posed by high concentrations of vapors from paints, glues, solvents, and fuels, install fan at least 18 inches (0.5m) above the floor
- D. NEVER run a vehicle or use a fuel burning appliance inside of a garage. Deadly levels of carbon monoxide can build up in the area. Using this garage fan, or opening windows and doors, will NOT supply enough fresh air to eliminate the danger.
- E. Run regularly if exposed to salty air environments
- F. Extra cleaning may be required due to possible dirty surroundings

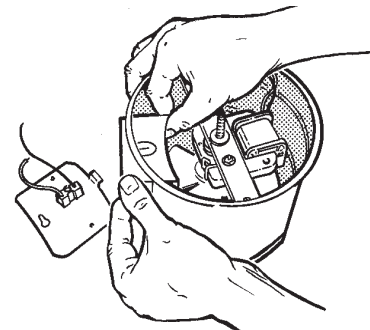
INSTALL THE VENTILATOR

WARNING: WHEN CUTTING OR DRILLING INTO WALL, DO NOT CUT EXISTING ELECTRICAL WIRING.

CAUTION: Do not mount the ventilator above a cooking surface.

CAUTION: Measure and mark the center of wall opening on inside and outside walls before cutting opening.

1. Cut a 6-3/8" diameter opening in the outside wall.
2. If using the adjustable duct, cut a 6-3/8" diameter opening in the inside wall. If not, cut a 6-1/8" diameter opening in the inside wall.



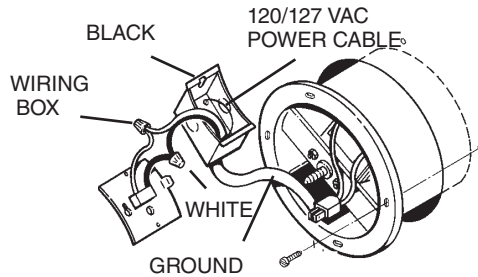
3. Unplug motor, loosen screw and remove electrical wiring box cover.
4. Push electrical wiring box into housing and lift out.

Note: For easier removal of wiring box, remove the motor assembly. Loosen the mounting screws and rotate the motor assembly clockwise.

WIRE THE VENTILATOR

WARNING:

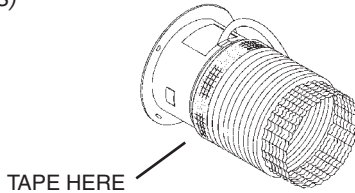
SWITCH POWER OFF AT SERVICE PANEL AND LOCK SERVICE PANEL BEFORE MAKING ELECTRICAL CONNECTIONS.



1. Attach power cable to electrical wiring box and switch box using the proper connector for the type of cable being used.
2. Make electrical connections. Connect black to black, white to white and bare or green wire to electrical wiring box using the green ground screw.

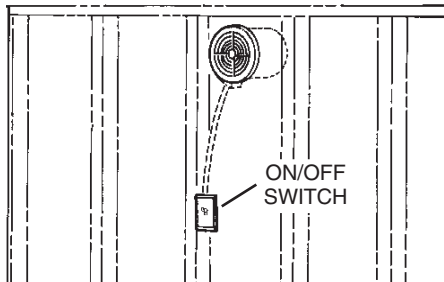
CONNECT THE DUCT

(FOR WALLS 6" TO 10" THICK ONLY - INCLUDING INSIDE AND OUTSIDE WALL COVERINGS)



1. Stretch the adjustable duct, slide it over the housing and tape it in place. (You may need to shorten non-tapered end of flexible duct to fit.)

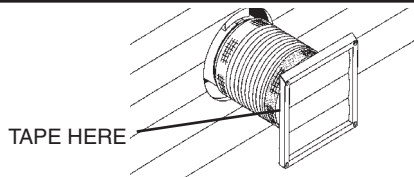
INSTALL VENTILATOR IN WALL



1. Place ventilator into wall opening. Re-install electrical wiring box and cover. Plug motor into receptacle in wiring box cover.
2. Fasten ventilator to inside wall with appropriate screws.

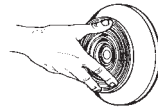
ATTACH WALL CAP

(FOLLOW STEPS 1 & 2 ONLY IF ADJUSTABLE DUCT IS USED)



1. From outside, slip adjustable duct into wall cap and tape the joint.
2. Compress the excess duct back into the opening by positioning the wall cap against the outside wall.
3. Fasten wall cap to outside wall and caulk around the edges.

ATTACH GRILLE



1. Spin grille onto its mounting screw until the grille is tight against the wall.
2. Turn on the power and check for proper operation of ventilator.

USE AND CARE

WARNING: SWITCH OFF POWER AT SERVICE PANEL AND LOCK SERVICE PANEL BEFORE CLEANING OR SERVICING THIS VENTILATOR.

TO CLEAN FAN ASSEMBLY:

Unplug motor from black receptacle. Remove the motor assembly by loosening the mounting screws and rotating the motor assembly clockwise. Gently vacuum motor assembly and inside of housing.

METAL AND ELECTRICAL PARTS SHOULD NEVER BE IMMERSSED IN WATER.

PERIODICALLY CHECK THE OUTER LOUVER FOR ACCUMULATED DUST, LINT, ETC., WHICH MAY INTERFERE WITH PROPER LOUVER CLOSURE.

WARNING: DO NOT SPRAY WATER INTO LOUVER-DAMAGE TO THE FAN COULD OCCUR AND WATER COULD ENTER HOUSE.

MOTOR LUBRICATION

The motor is permanently lubricated. Do not oil or disassemble motor.

If the fan makes excessive noise or if there is unusual noise or smells of smoke, disconnect power supply and contact customer service.

SERVICE PARTS

Model 512M

NO. KEY	PART NO.	DESCRIPTION
1	99110454	Grille
2	99260428	#6-32 Sheet Metal Nut (2 req.)*
3	99170245	#8B x 3/8 Sheet Metal Screw (3 req.)*
4	97005322	Motor Mounting Bracket 97005322
5	99080199	Motor (512M)
6	99020125	Blade
7	98004932	Wiring Box Cover
8	99150471	#10-32 x 1/2 Green Ground Screw*
9	98005329	Wiring Box
10	97011741	Housing
11	99270982	Receptacle
12	99610012	Adjustable Duct
13	97011740	Wall Cap

* Standard Hardware - May be purchased locally.

Always order replacement parts by "PART NO." - NOT by "KEY NO."

