

**MODEL 512  
ROOM TO ROOM FAN**

**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 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 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 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. **DO NOT CREATE AN OPENING IN A FIRE-RATED WALL TO INSTALL THIS FAN.** It is not an exhaust fan, rather it is intended to direct air from one room to another.
7. This unit must be grounded.

**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.

**TOOLS AND MATERIALS REQUIRED**

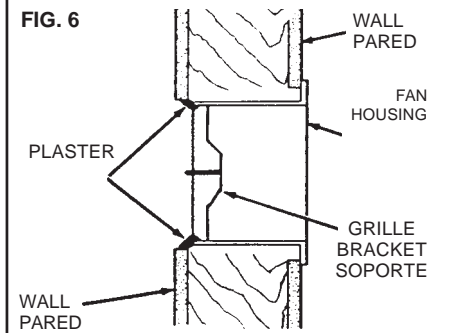
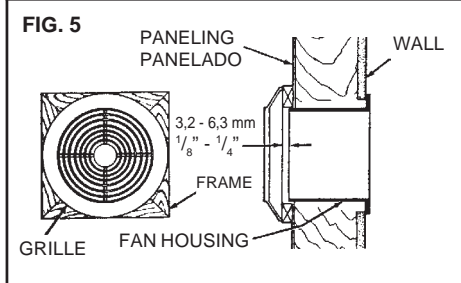
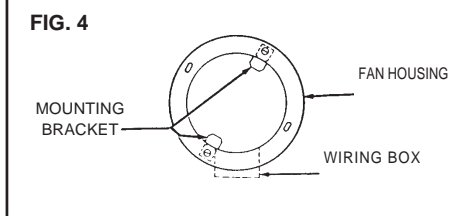
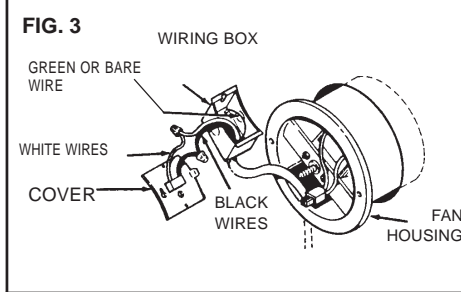
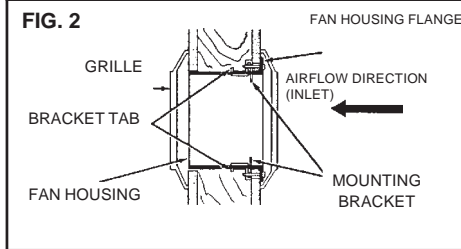
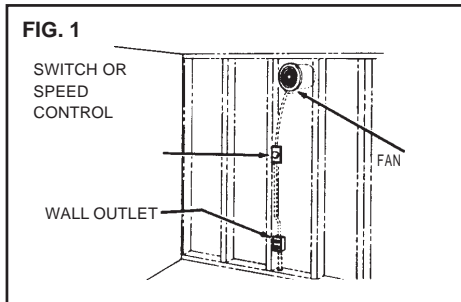
- Pencil and ruler or tape measure
- Straight-blade screwdriver
- 3/16" drill bit
- Drill, electric or ratchet drive
- Pliers
- Drywall saw or saber saw
- Electrical supplies of type to comply with local codes

**INSTALL THE FAN**

1. Plan installation. Fan will install in walls up to 5-1/8" thick. For wall less than 4-1/2" thick, a trim board frame for spacing is required (see Step 13). Fan can be controlled by a wall switch or speed control (available separately).
2. Carefully cut out fan openings and switch box opening. (FIG. 1)

**CAUTION:** BE SURE TO MEASURE AND MARK CENTER OF FAN OPENING ON OPPOSITE WALL BEFORE CUTTING OUT EITHER OPENING.

**WARNING:** WHEN CUTTING OR DRILLING INTO WALL, BE CAREFUL NOT TO CUT EXISTING ELECTRICAL WIRING.



3. Remove wiring box from fan.
  4. Determine desired air flow direction (FIG. 2)
- WARNING:** DISCONNECT ELECTRICAL POWER TO OUTLET YOU ARE TAP-  
PING INTO BEFORE MAKING ELECTRICAL CONNECTIONS.
5. Feed electrical cable to switch and fan. Feed cable through wall opening on "inlet" side of fan and into fan housing. (FIG. 3)
  6. Remove knockout on wiring box. Fasten electrical cable to wiring box with proper connector for type of wire used. Provide 6" leads inside box for electrical connections.
  7. Make electrical connections. Connect black to black, white to white, and bare or green wire to box using green ground screw. (FIG. 3)
  8. Position fan housing in wall. Install wiring box and cover. Plug the fan motor into receptacle on wiring box cover.
  9. Hold fan housing in wall, and drill two 3/16" pilot holes through center of two slots in mounting flange. (FIG. 4) Use slots in flange which line up with mounting bracket openings in fan housing.
  10. Install mounting brackets from inside of fan housing and pull them tightly against back of wall. Make sure tab on bracket is engaged in fan housing. (FIG. 2)
  11. Insert screws through mounting flange and tighten mounting brackets firmly against wall.
  12. For walls less than 4-1/2" thick, frame out fan housing so that housing is recessed 1/8" - 1/4". (FIG. 5)  
If fan housing is not flush with edge of wall material, lay a thin bead of plaster or patching compound along edge of housing to fill gap between housing and wall. (FIG. 6)
  13. Spin grilles onto mounting studs. Turn on power and check operation of fan. Tighten grille flush against wall, but do not distort grilles. Bend grille bracket if necessary to make grille flush with wall. (FIG. 6)

## USE AND CARE

DISCONNECT ELECTRICAL POWER SUPPLY BEFORE SERVICING FAN.

Do not turn on the fan when starting a fire in a fireplace or wood stove until the damper is thoroughly warm and fully open. Turning the fan on too soon may draw smoke and flue gases into the room. Wait until the fire is well established.

Always unplug the fan motor before servicing the fan. The motor bearings on this fan are lifetime lubricated and will never need oiling.

Clean the fan blade and motor every six months by removing the grille, unplugging the motor, and gently vacuuming the fan blade and motor.

Clean the grille in warm, soapy water. Use a mild detergent, such as a dishwashing liquid. DO NOT USE ABRASIVE CLOTHS, STEEL WOOL OR SCOURING POW-  
DERS.

## SERVICE PARTS

### Model 512

KEY NO. NO. CODIGO	PART NO. NO. PIEZ	DESCRIPTION
1	99110454	Grille (2 Req.)
2	99260428	#6-32 Sheet Metal Nut (2 Req.) *
3	99170245	#8B x 3/8 Sheet Metal Screws (3 Req.) *
4	97005322	Motor Mounting Bracket
5	99080199	Motor
6	99020125	Blade
7	98004932	Wiring Box Cover
8	99150471	#10-32 x 1/2 Green Ground Screw *
9	98005329	Wiring Box
10	97007603	Housing
11	99260485	#8B Sheet Metal Nut U-Type (2 Req.) *
12	99420497	Mounting Bracket (2 Req.)
13	99170262	#8B x 1-1/4 Pan Head Screw (2 Req.) *
14	99270982	Receptacle

\*Standard Hardware. May be purchased locally.

Order service parts by Part No. - NOT by Key No.