

1190008, 1190025
1190026, 1190027
1190028

BLOWER HOUSING REPLACEMENT KIT FOR FAN COIL UNITS


NOTE: Read the entire instruction manual before starting installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock, or other conditions which may cause death, personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to individual instructions packaged with kits or accessories when installing.

Follow all safety codes. Wear safety glasses, protective clothing, and work gloves. Use quenching cloth for brazing operations. Have a fire extinguisher available. Read these instructions thoroughly and follow all warning or cautions included in literature and attached to the unit. Consult local building codes and the current editions of the National Electrical Code (NEC) NFPA 70.

In Canada, refer to the current editions of Canadian Electrical Code CSA C22.1.

Recognize safety information. This is the safety alert symbol . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury. Understand the signal words **DANGER**, **WARNING**, and **CAUTION**. These words are used with the safety alert symbol. **DANGER** identifies the most serious hazards which **will** result in severe personal injury or death. **WARNING** signifies hazards which **could** result in personal injury or death. **CAUTION** is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

WARNING

ELECTRICAL OPERATION HAZARD

Failure to follow this warning could result in personal injury or death.

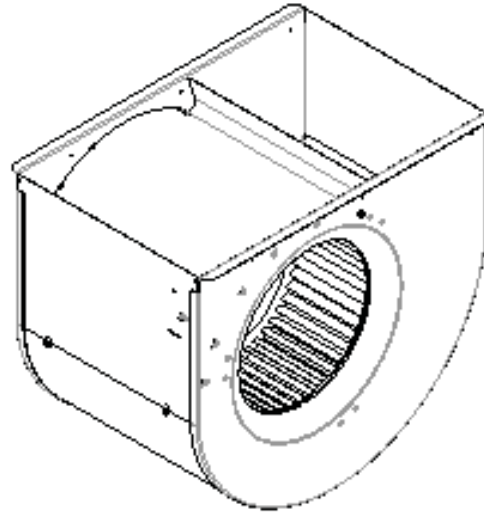
Before installing or servicing unit, always turn off all power to unit. There may be more than one disconnect switch. Turn off accessory heater power if applicable. Lock out and tag switch with a suitable warning label.

CAUTION

CUT HAZARD

Failure to follow this caution may result in personal injury.

Sheet metal parts may have sharp edges or burrs. Use care and wear appropriate protective clothing and gloves when handling parts.



A170014

WARNING



EXPLOSION HAZARD

Failure to follow this warning could result in death, serious personal injury, and/or property damage.

Never use air or gases containing oxygen for leak testing or operating refrigerant compressors. Pressurized mixtures of air or gases containing oxygen can lead to an explosion.

INTRODUCTION

This instruction covers the installation of replacement blower housing kit (See Fig. 1). The kit is designed to allow easy replacement of existing housing.

DESCRIPTION AND USAGE

The replacement housing kit is designed for use when replacement of an existing blower housing is required.

INSTALLATION

Installation of new blower housing

1. Turn off all power to unit. There may be more than one disconnect switch, turn off accessory heater power if applicable.
2. Remove blower compartment access door.
3. Disconnect blower motor wiring leads or wire plugs from motor and grounding wire if applicable.
4. Remove blower mounting screws from fan deck.
5. Remove blower housing from cabinet.
6. Loosen set screw from blower housing wheel hub.
7. Remove motor mounting screws from motor arms and remove motor from housing leaving motor band and arms still assembled to motor.

8. Remove capacitor strap and capacitor from existing housing if applicable.

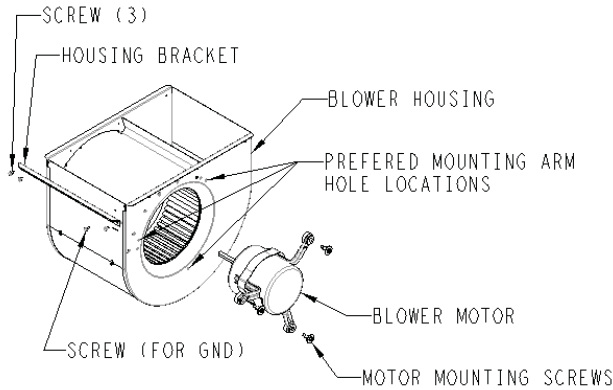
⚠ WARNING

ELECTRICAL OPERATION HAZARD

Failure to follow this warning could result in personal injury or death.

Capacitor may carry residual charge. Be sure capacitor is fully discharged before continuing.

9. Remove housing bracket from existing housing (See Fig. 1) and discard existing blower housing and wheel.

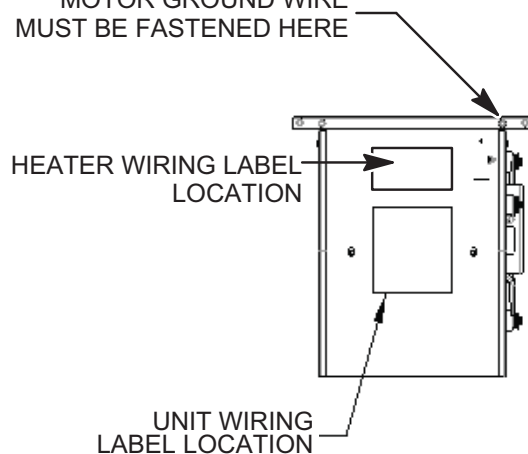


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Fig. 1 – Blower Housing Assembly

10. Install existing motor assembly into new blower housing.
11. Align motor leads or motor plugs to front of housing.
12. Discard existing blower motor mounting screws and use supplied screws to remount the motor. Do not over-tighten screws.
13. Align wheel to be centered in blower housing and hub set-screw aligned to motor shaft flat. After alignment is complete tighten hub set-screw.
14. Install existing housing bracket onto new housing and capacitor and strap if applicable.
15. Install new blower housing assembly into cabinet and fasten mounting screws.
16. Connect all motor leads or motor plugs and grounding wire if applicable. (See Fig. 2 for ground wire location)
17. Install the two new wiring labels (unit and heater) see location shown in Fig. 2. To identify the correct labels match the unit model number from Table 1 to the respective label part numbers found in parts bag supplied with the kit.
18. Reinstall blower compartment access door.
19. Turn on power and check operation.

**MOTOR GROUND WIRE
MUST BE FASTENED HERE**



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Fig. 2 – Motor Ground and Wire Label Location

MODEL NUMBER	WIRING LABEL
FCM*	338454-101
FEM4P(18,36,42,48)*	336228-101
FEM4P(24,30)*	337519-101
FEM4X(18,36,42,48,60)*	336228-101
FEM4X(24,30)*	337519-101
FVM*	339117-101
FXM4X(18,36,42,48,60)*	336228-101
FXM4X(24,30)*	337519-101
REM4X(18,36,42,48,60)*	336228-101
REM4X(24,30)*	337519-101
WAHL(18,36,42,48,60)*	336228-101
WAHL(24,30)*	337519-101
WAPL(18,36,42,48)*	336228-101
WAPL(24,30)	337519-101
WAXL(18,36,42,48,60)	336228-101
WAXL(24,30)*	337519-101

Table 1 – Model to Wiring Diagram Reference