

Installation Instructions

RF000199 Condenser Motor and Fan Blade Replacement

Description

The RF000199 Condenser Motor and Fan Blade replacement Kit is to be used on all 35" Chassis Remote Condensing units equipped with condenser fan motor (Part # 10584313).



WARNING

To avoid property damage, personal injury or death due to electrical shock, disconnect the electrical power supply before servicing this unit. Some models will have two power sources, so be certain to disconnect both power sources. This may include the indoor unit as well as the outdoor unit.

Kit Contents:

- 1 - RF000200 Installation Instructions
- 1 - B13400-270 CCW Condenser Fan Motor
- 1 - 10625735 CCW Condenser Fan Blade
- 1 - 20015879 Wire Jumper Rd10
- 1 - 20504601 Wiring Diagram (Cooling Only Units)
- 1 - 20504701 Wiring Diagram (Heat Pump Only Units)



WARNING

Disconnect all power before servicing unit.



WARNING

To avoid possible injury from refrigerant, wear gloves and goggles while installing this kit.

Installation Procedures:

1. Disconnect power to the unit.
2. Remove the control panel cover by removing the two screws that secure it to the unit.
3. Open the control panel by removing two screws that secure it to the unit.
4. Remove upper partition panel by removing the two screws that secure it to the unit.
5. Cut wire ties securing condenser motor leads to condenser coil.
6. Disconnect motor leads from control box.
7. Remove screws from condenser fan grille, and remove condenser fan grille, condenser fan motor, and condenser fan blade.
8. Replace condenser fan motor and condenser fan blade with ones provided in RF000199 kit.
9. Reinstall condenser fan grille, condenser fan motor, and condenser fan blade.
10. Route condenser fan motor leads along condenser coil (Note: attach condenser fan motor leads to condenser coil with field supplied wire tie.)



RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION

ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is your responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

Wiring Condenser Fan Motor (Cooling Only Remotes)

1. Connect VT20 (Violet-20) wire from condenser fan motor to Common terminal located on split capacitor.
2. Connect BR11(Brown - 11) wire from condenser fan motor to Fan terminal located on split capacitor
3. Connect BK27(Black - 27) wire from condenser fan motor to T2 located on contactor.
4. Replace upper partition panel using the two screws removed in Step 4
5. Close the control panel and replace using the two screws previously removed in Step 3. Next, replace the control panel cover using the two screws previously removed in Step 2.
6. Place appropriate wiring diagram (Part # 20504601) over existing diagram located on control panel cover of unit.
7. Restore power to unit.
8. Verify the system is functioning correctly.

Wiring Condenser Fan Motor (Heat Pump Only Remotes)

1. Connect PU (Purple) wire from condenser fan motor to DF2 located on defrost board.
2. Remove VT20 (Violet-20) jumper wire from DF1 terminal located on defrost board. Disconnect opposite end of VT20 from contactor, and discard.
3. Locate RD10 (Red - 10) wire in RF000199 kit, connect one end to DF1 located on defrost board, and connect opposite end of wire on Common terminal of split capacitor.
4. Connect BR (Brown) wire from condenser fan motor to Fan terminal located on split capacitor.
5. Connect BK (Black) wire from condenser fan motor to T2 of contactor.
6. Replace upper partition panel using the two screws removed in Step 4
7. Close the control panel and replace using the two screws previously removed in Step 3. Next, replace the control panel cover using the two screws previously removed in Step 2.
8. Place appropriate wiring diagram (Part # 20504701) over existing diagram located on control panel cover of unit.
9. Restore power to unit.
10. Verify the system is functioning correctly in each mode of operation.