

Motor Replacement Instructions

MODELS: RFMTR-49, RFMTR-85, RFPSC-59

CAUTION: Before attempting to replace fan motor be sure to switch power off at service panel and lock service panel to prevent power from being switched on accidentally. If service panel cannot be locked securely fasten a prominent warning device, such as a tag to the service panel.

- 1) Disconnect electrical power at the breaker box.
- 2) Locate the wiring box/thermostat in the attic near the fan. Use flat blade screw driver under edge of cover to remove cover from box. For early production units with square wiring box, remove screw and lift off cover.
- 3) Inside the wiring compartment, disconnect the black and white wires coming from the fan motor.
- 4) Depress tabs on sides of the conduit connector and remove from box to disconnect motor cable from wiring box (on early production units, cable can be removed by loosening two screws on connector). Remove connector from end of flexible conduit by squeezing connector and turning counter clockwise. Save connector.
- 5) From below the fan, locate the set screw in the hub of the fan blade. Using a 1/8" hex (allen) wrench to loosen the set screw.
- 6) Note approximate location of the motor mounting bracket on the motor. While supporting the fan motor, use an adjustable or socket wrench to loosen the screw holding the motor mounting bracket around the motor. Slide the motor down through the mounting bracket allowing the blade to slide off the shaft and rest on top of the bracket. Remove flexible conduit from old motor by gripping conduit near motor housing with pliers and turning counterclockwise. If flexible conduit will not come off the motor, use a hacksaw to cut the conduct approximately 1-1/2" from the motor housing.
- 7) Tape or twist ends of wires from new motor together and thread wires from new motor through flexible conduit. Screw flexible conduit onto threaded connector on new motor. Install conduit connector, removed in Step 4 above, onto end of flexible conduit.
- 8) Insert the replacement motor into the mounting bracket. Tighten the screw in the mounting bracket securely.
- 9) Place blade onto motor shaft so that set screw on hub aligns with the flat on the motor shaft. Tighten set screw securely.
- 10) Rotate fan blade to assure that blade does not hit housing sides or motor bracket, etc. If blade is contacting sides or bracket, loosen screw in motor bracket to realign motor or loosen blade and move up on motor shaft until problem is corrected. Then, retighten screw.
- 11) Press connector on the end of the motor cable into the opening in the wiring box. Connect white wire from motor to the white wire in the wiring box. Connect the black wire from the motor to the black wire in the wiring box. Replace cover on wiring box. Reconnect electrical power at circuit breaker.

Product specifications subject to change without notice.