

Gas Broiler Electric Motor Replacement Kits - 8435-04R or 8435-05R



CAUTION: Read and understand this service bulletin thoroughly before starting. Only a trained, experienced service technician should attempt this service procedure.

Instructions for Replacement Motor Kits # 8435-04R and 8435-05R

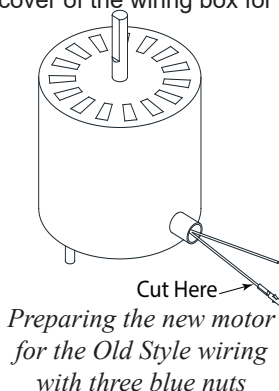
Remove the broiler front cover. On the wiring box, unscrew acorn nut and cover to expose the wires. If you have three blue wire nuts you have the old style motor wiring - follow the correct 'Old Style' directions below. If you have a white plastic connector and only one blue wiring nut then you have the newer style motor wiring. Follow the correct 'New Style' directions below.

Floor Models: The motor can be reached from inside the opening under the hearth.

Countertop Models: Remove everything on the top of the broiler, the Grill Grate and the whole ceramic hearth, sides, back and floor bricks and set aside. Turn the broiler upside down to have access to the motor.

Old style motor wiring with three blue wire nut connections

1. Prepare the new motor by cutting the black motor wire with the pin as close to pin as possible. See Figure 1. Remove the pin and discard. Set aside prepared new motor.
2. Inside the wiring box, unscrew the blue wire nuts for the black motor wire, and the white motor wire. Set aside the blue nuts.
3. Loosen screws to remove BX wire from the old motor.
4. Unscrew the screw and that is holding the metal drip plate to the old motor. Remove the motor bracket from the bottom of the broiler. Set the metal drip plate, 5 screws and bracket aside.
5. Loosen set screw to remove blower wheel from motor - Remove the old motor.
6. Remove 2 nuts holding the motor to the bracket. Set aside
7. Insert the new motor, tighten the set screw and re-attach the bracket and metal drip plate to the new motor.
8. Feed the wires from the motor through the BX into the wiring box. See wiring diagram inside of the cover of the wiring box for proper wiring.
9. Re-attach the BX wire to the new motor.
10. On the newly cut wire from the new motor strip 0.5" of wire.
11. Connect loose wires by twisting wires together and tighten with blue wire nut per wire diagram inside of the cover of the wiring box.
12. Replace the wire box cover



Newer style motor wiring with white plastic connector and one blue wire nut connection

NOTE: Do Not cut the pin off the new motor as discribed in the Old Style instructions

1. Remove blue wire nut and separate white wires.
2. Disconnect white connector from on-off switch and remove motor wire and pin.
3. Loosen screws to remove BX wire from the old motor.
4. Unscrew the screw that is holding the metal drip plate to the old motor. Remove the motor bracket from the bottom of the broiler. Set the metal drip plate, 5 screws and bracket aside.
5. Loosen set screw to remove blower wheel from motor - Remove the old motor.
6. Remove 2 nuts holding the motor to the bracket. Set aside.
7. Insert the new motor, tighten the set screw and re-attach the bracket and metal drip plate to the new motor.
8. Feed the wires through the BX wire into the wiring box
9. Re-attach the BX wire to the new motor.
10. Connect loose wires by twisting wires together and tighten with blue wire nut per wire diagram inside of the cover of the wiring box.
11. Insert the pin (Black Wire) into the white connector and reconnect white connectors.
12. Replace the wire box cover.

Figure 1
New Motor for Gas Broiler
(115V, 60 HZ [8435-04R]
or
230V, 50 Hz [8435-05R])



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SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings throughout this manual. They are printed in all capital letters using a bold type face as shown below, and preceded by the exclamation mark symbol. When you see the safety alert symbol and one of the safety information terms as shown below, be aware of the hazard potential.



DANGER:

WARNING:

CAUTION:

Identifies the most serious hazards which will result in severe personal injury or death. Signifies a hazard that could result in personal injury or death.

Identifies unsafe practices which would result in minor personal injury or product and property damage.