



Universal Fan Motor Installation

Model(s) - See Part Number List

Kit #813042 Components

- 1 – Universal Fan Motor
- 1 – Fan Blade
- 1 – Mounting Bracket
- 1 – 10-32 Flanged Nut
- 3 – 1/4" Hex Screws
- 2 – 8-32 Nut with Nylon Insert
- 2 – T-Bolts
- 3 – 5-Way Lever Connectors

Required Tool(s)

- Phillips Screwdriver
- Thin Flat Blade Screwdriver
- Wire Strippers
- 1/4" Hex-Head Driver
- 3/8" Hex-Head Driver
- Drill

The universal fan motor replaces the following part numbers as either an evaporator or condenser fan motor:

202119	214970	800410	800441	911686	944109	980158
203476	218418	800412	800443	912674	947227	982926
203477	218419	800415	800446	913301	947862	989025
204649	220398	800418	800448	917542	948822	989107
206504	224215	800421	800451	917570	948823	989719
209510	800401	800426	800465	923267	948824	993202
210678	800402	800437	800472	930207	948825	993206
210681	800404	800438	802801	933112	963174	993949
214969	800407	800439	879159	938406	965151	994150

Replacing the Motor



ELECTRICAL SHOCK OR BURN HAZARD
Turn off power supplying the unit before proceeding.

Condenser Fan Motors

The fan mounting bracket dictates motor replacement instructions. See figs. 1 (right) and 3 (next page) to determine which procedure applies.

NOTE: If the existing motor's blade hub configuration does not match the replacement motor's, install the replacement motor with the provided fan blade.

Before You Begin

Mark the existing condenser fan motor wire connections for wiring the replacement motor.

Brackets Similar to Fig. 1

1. Cut/Disconnect the wire connections to the existing fan motor.
2. Remove the existing motor.
3. Slide the provided t-bolts into the replacement motor's t-bolt slots until they are flush with the rounded edges. See fig. 2.

NOTE: Properly positioning t-bolts may require pushing with a thin flat blade screwdriver.

4. Use the front mounting holes (see fig. 1) to secure the replacement motor to the mounting bracket.
5. Proceed to wiring instructions on next page.

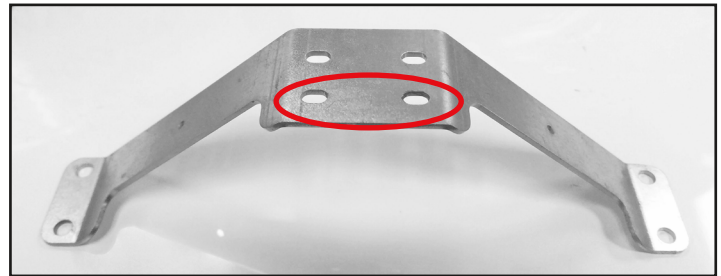


Fig. 1. For similar brackets, see left for instructions. Front mounting holes circled.

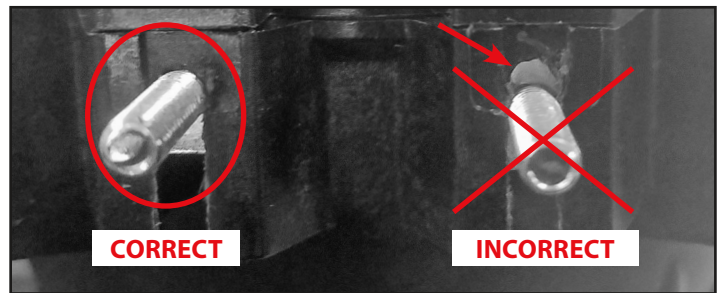


Fig. 2. T-bolts must be flush against the rounded end of the slots. If you can see silver (see arrow), then there is a gap between the bolt and end of the slot.

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Universal Fan Motor Installation

Model(s) - See Part Number List

Condenser Fan Motors (cont.)

Brackets Similar to Fig. 3

1. Cut/Disconnect the wire connections to the existing fan motor.
2. Remove the existing motor
3. With the provided hex screws, secure the replacement motor to the mounting bracket.
4. Proceed to wiring instructions below.

Evaporator Fan Motors

NOTE: If the existing motor's blade hub configuration does not match the replacement motor's, install the replacement motor with the provided fan blade.

If the replacement motor and blade assembly is too tall (makes contact with the fan guard), replace the existing mounting bracket with the one provided.

1. Cut/Disconnect the wire connections to the existing fan motor.
2. Remove the existing motor.
3. With the provided hex screws, secure the replacement motor to the mounting bracket.
4. Proceed to wiring instructions below.

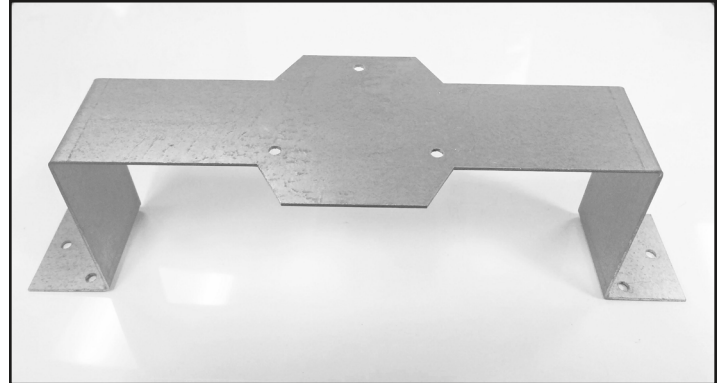


Fig. 3. For similar brackets, see left for instructions.

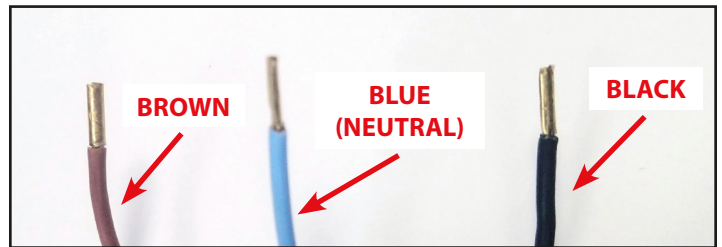


Fig. 4. The fan motor wires; please note the blue wire is the neutral wire.

Wiring Instructions



The universal fan motor is a three-wire motor (see fig. 4), but still replaces two-wire motors.

Before proceeding, determine the correct wiring instructions below.

NOTE: Use the provided lever connectors to connect wiring.

Condenser Fan Motors

Two-Wire System

1. Connect the brown and black wires to the L1/Hot wire. See fig. 5.
2. Connect the blue wire to the neutral wire.

Three-Wire System

Connect the replacement motor wire-for-wire as the previous fan motor.

Evaporator Fan Motors

1. Connect the brown wire to the L1/hot wire.
2. Connect the blue wire to the neutral wire.
3. Cap the black wire. See fig. 6.

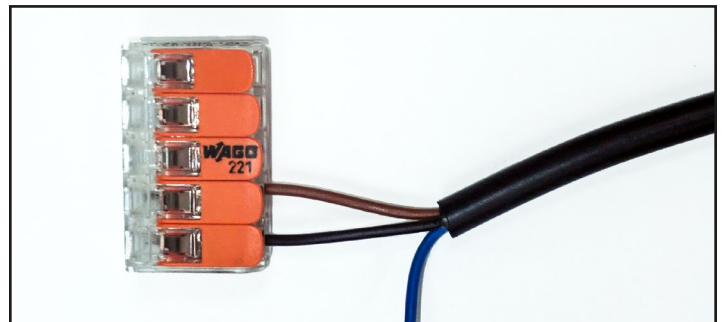


Fig. 5. With a provided lever connector, combine the black and brown wires.



Fig. 6. With a provided lever connector, cap the black wire.