

Replacement Kit Instructions

DC Motor Replacement

Kit Instructions

***For Replacing Motor #14270048 with #14270055**

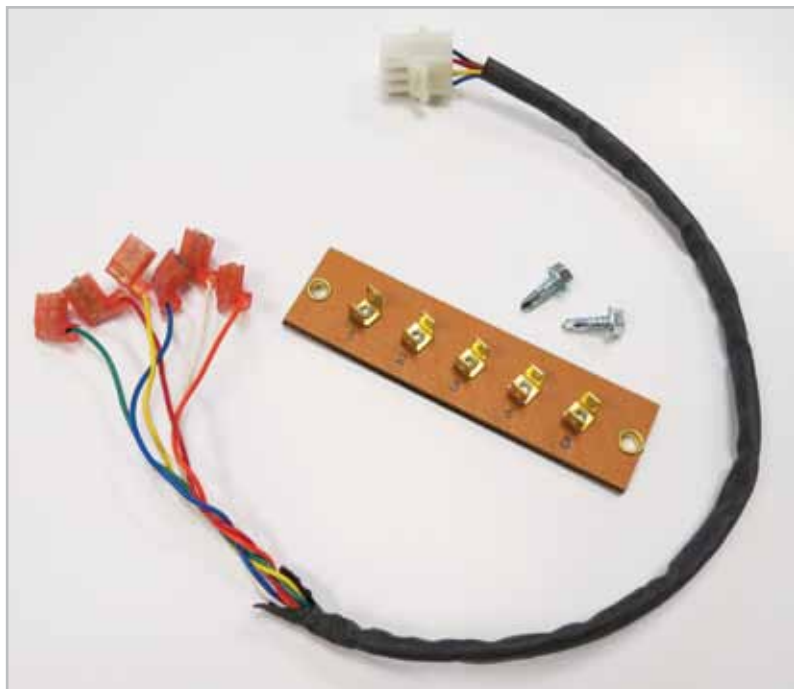
***Instructions not intended for replacing a 14270055 motor with a new 14770055 motor.**

Kit Includes:

- (2) 5/16" Self
Tapping Screws
- (1) 14270100
Motor Wire Harness
- (1) 14263062
5 Terminal Board
- (1) 14270055
DC Motor
(Not Shown)

Kit Part#

14270055-KIT



***Always start by disconnecting any power source and
verifying it's safe to touch electrical components***

National Comfort Products®

A Division of National Refrigeration & Air Conditioning Products, Inc.

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Getting Started...

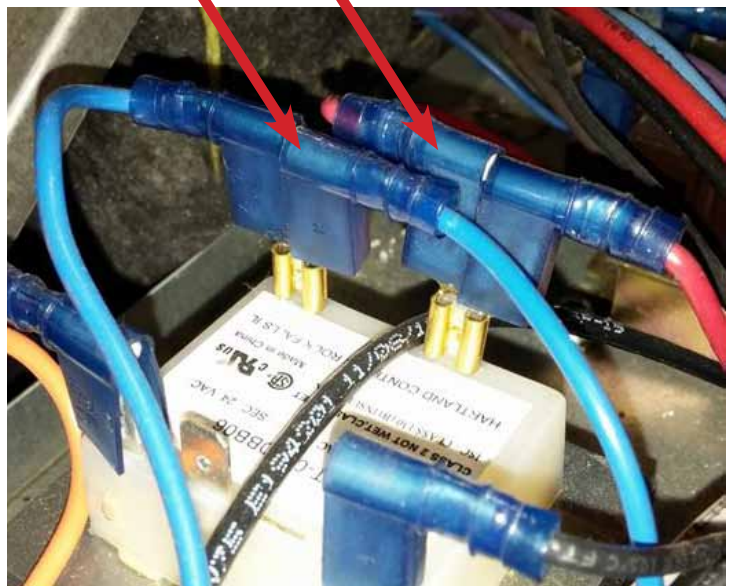
(Note: There are small differences between gas & electric models)

1. AGAIN, BEFORE STARTING... PLEASE MAKE SURE THE POWER HAS BEEN TURNED OFF TO THE UNIT!

2. Remove the 3 low voltage motor wires from the DC control board



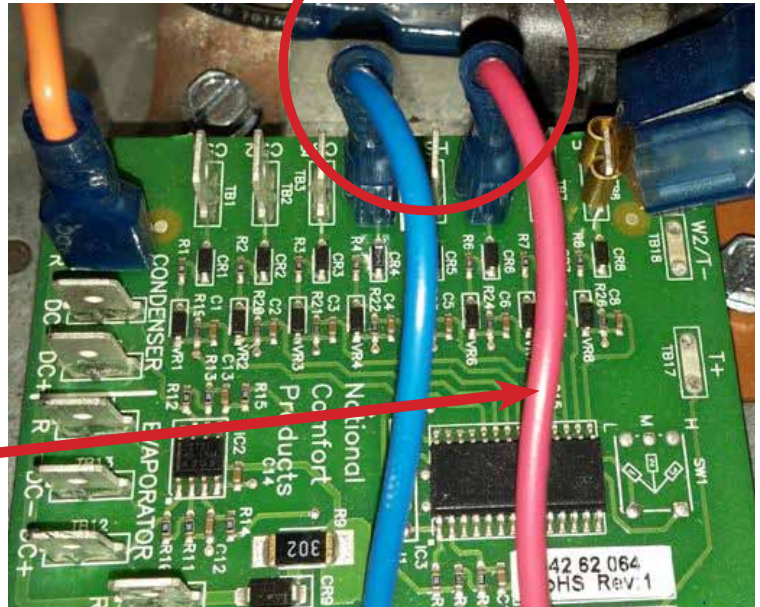
3. Remove the Red and Blue wires from R & C on the DC control board. Trace back to the transformer (gas models) and/or contactor (electric models - not shown), remove and discard.



DC Motor Replacement Kit Instructions

- 4.** Remove the Red (gas models) or white (electric models) and Blue wires from the CS and HS speed taps. Mark the wires CS = Cooling and HS = Heating.

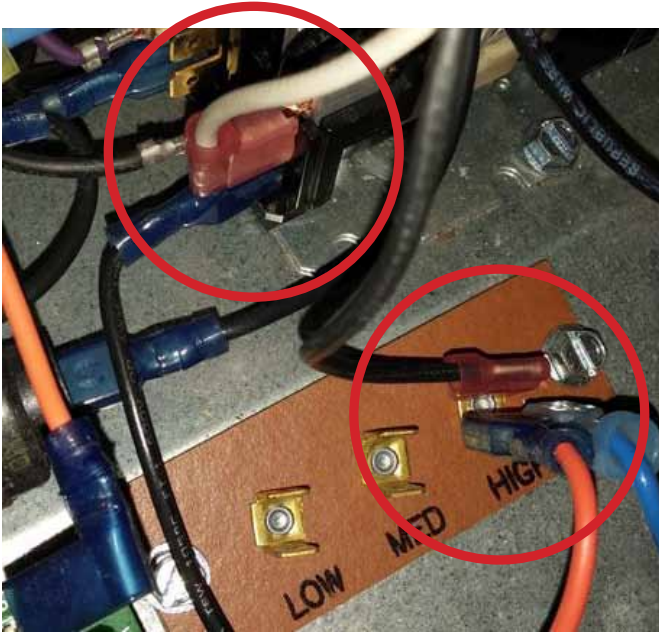
Note: This would be a “white” wire for electric models.



- 5.** (gas models only) Remove the Red wire from the fan tap and relocate to the red side of the transformer.



6. Remove the Black and White line voltage wires to the motor from the contactor and terminal board..

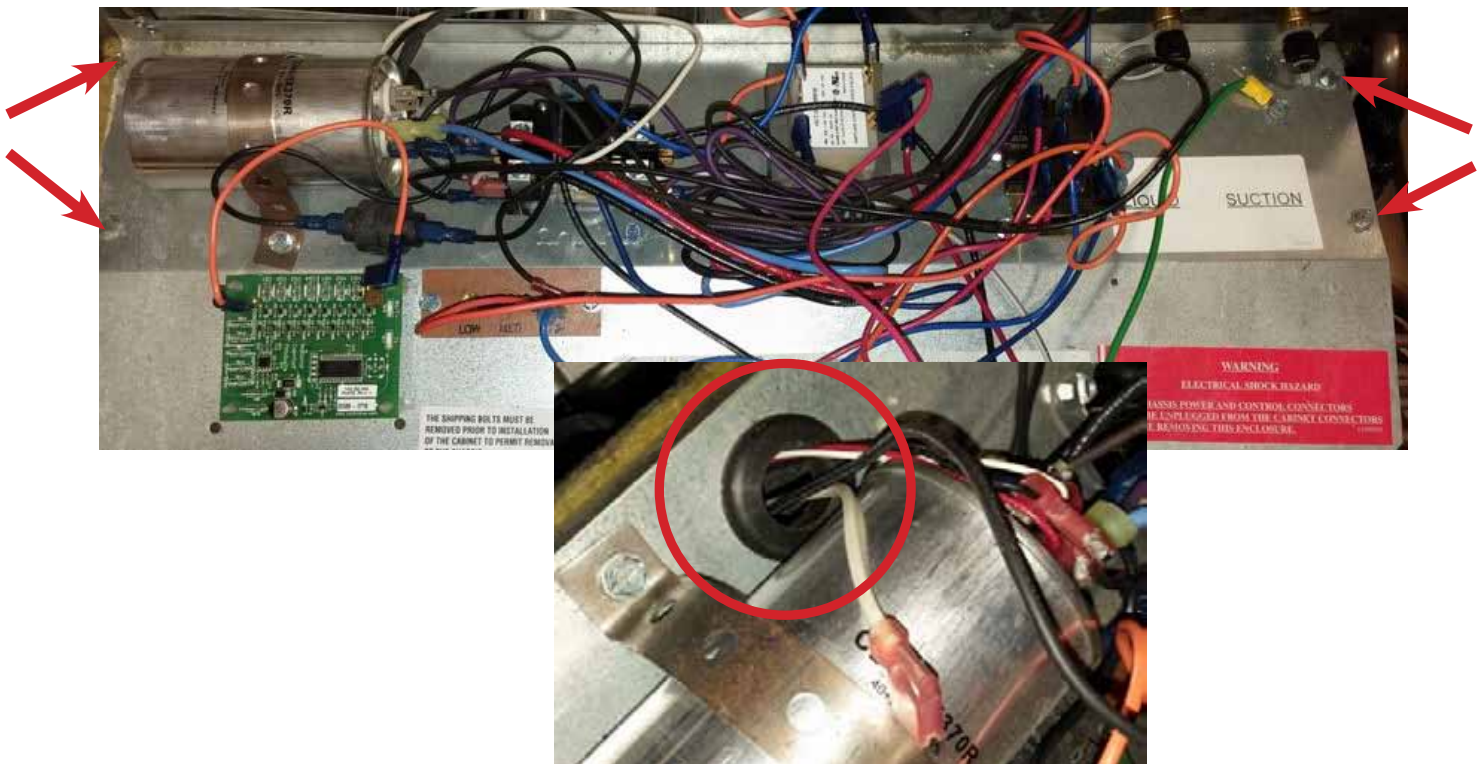


Before



After

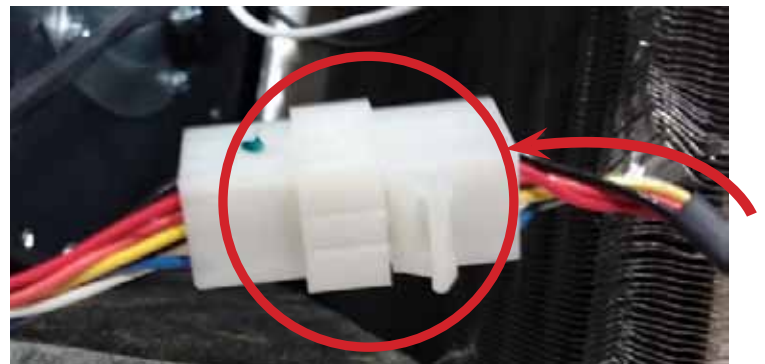
7. Remove the (4) 5/16" screws from the control deck and feed out the motor wires.



8. Remove and replace the motor by removing (4) 5/16" screws.



9. Peel back the insulation on the bottom of the control deck and remove the (4) plastic standoffs with pliers. Be sure to connect the molex plug supplied with this kit before re-securing the control deck.



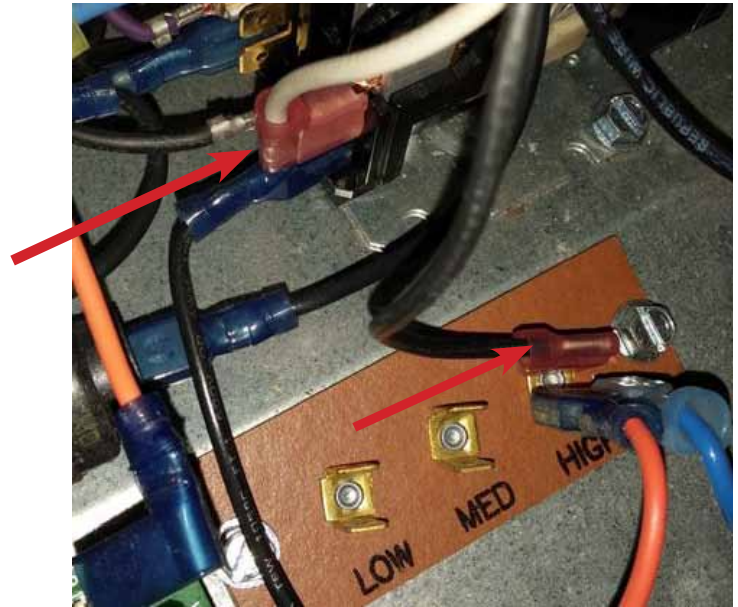
- 10.** Feed the motor wires back thru the control deck and re-secure the deck.



- 11.** Line up the new terminal board as shown. Carefully mount 5/16" screws supplied in this kit. **DO NOT TAP IN SCREWS WHILE DECK IS MOUNTED. COIL DAMAGE MAY OCCUR.**



- 12.** Re-Attach line voltage wires to motor as shown.

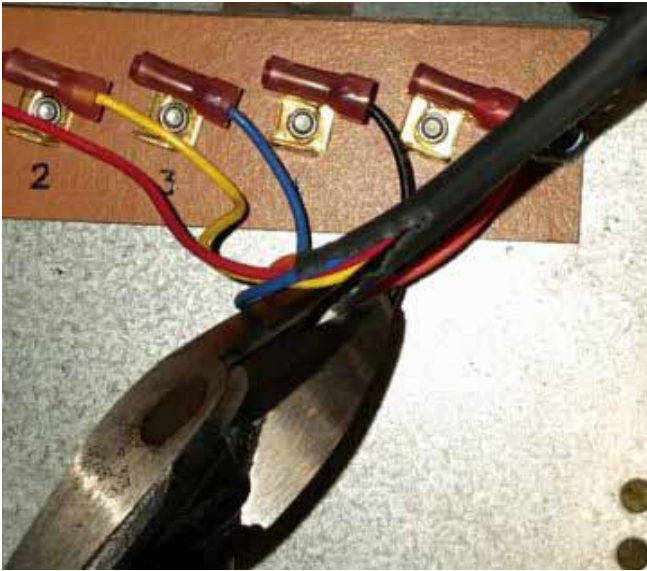


- 13.** Attach the low voltage wires from motor on to the new terminal board as follows.

- 1 Red = High
- 2 Yellow = Medium High
- 3 Blue = Medium
- 4 Black = Medium Low
- 5 Orange = Low



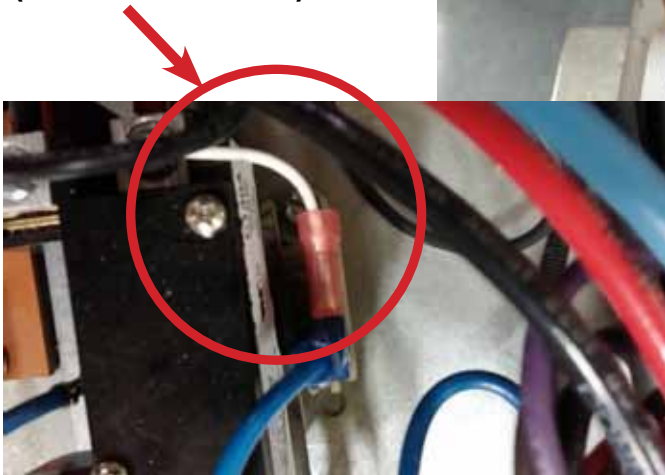
- 14.** Strip back the wire jacket on the low voltage wire loom from the motor and attach the white wire to the common side of the transformer (gas models) or contactor (electric models).



(gas models)



(electric models)



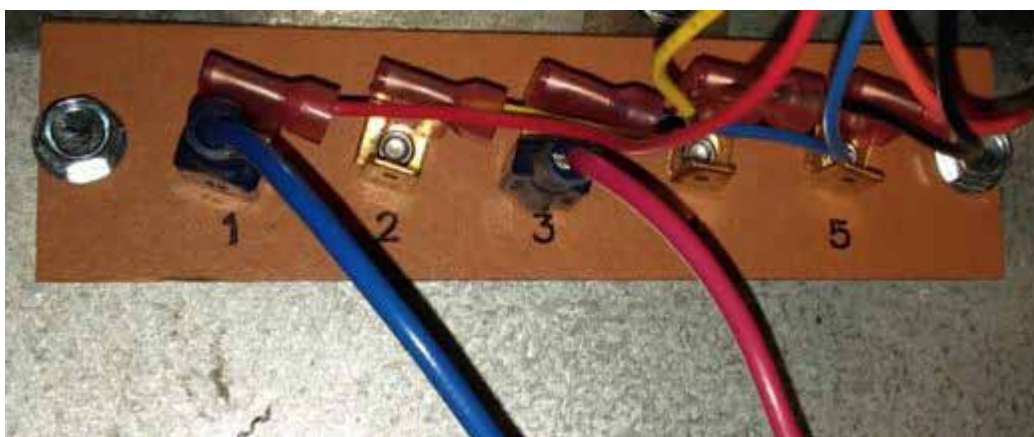
15. Determine your motor speed and attach the HS (red/gas models-heating speed & white/electric models-heating speed) and CS (blue-cooling speed) to their appropriate speed tap on the terminal board.

1 Red = High
2 Yellow = Medium High
3 Blue = Medium
4 Black = Medium Low
5 Orange = Low

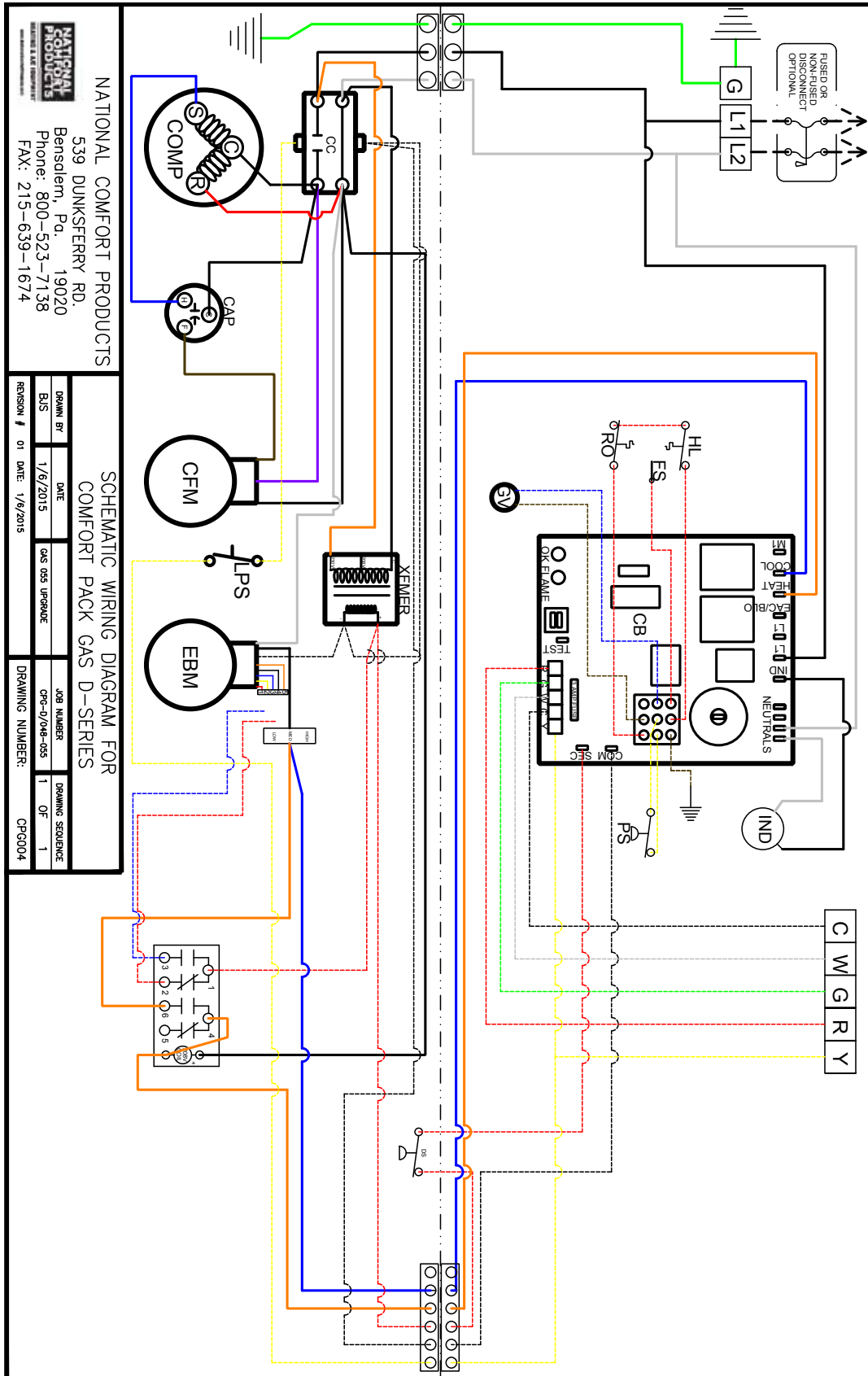
Cooling Speeds:
1 Ton = Orange (5)
1.5 Ton = Blue (3)
2 Ton = Yellow (2)
2.5 Ton = Red (1)

Gas Heating Speeds:
38MBTU = Black (4)
51MBTU = Yellow (2)
64MBTU = Red (1)

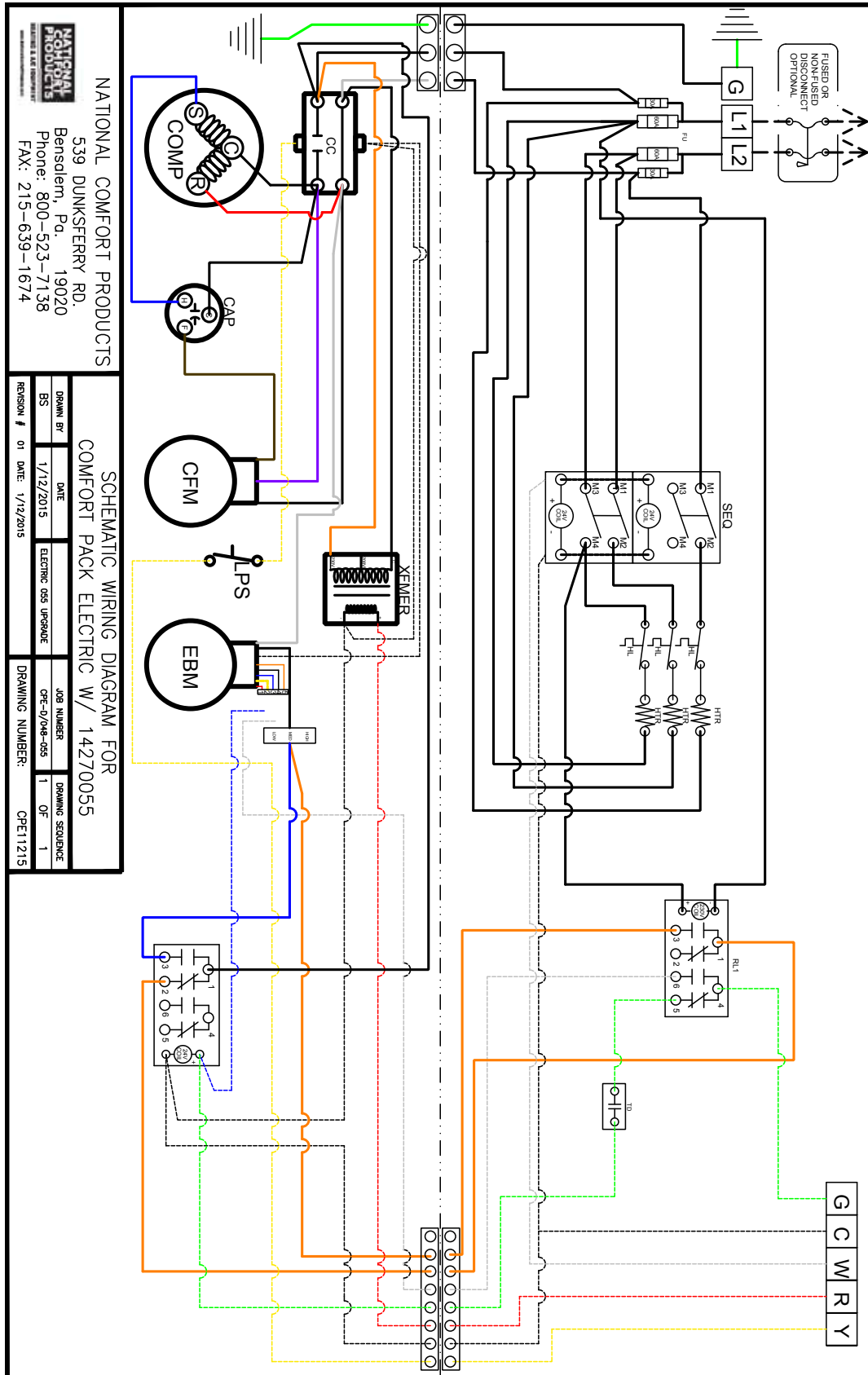
Electric Heating Speeds:
5K = Black (4)
7KW = Black (4)
10 KW = Yellow (2)
15 KW = Red (1)



Wiring Diagram for Comfort Pack Gas Units.



Wiring Diagram for Comfort Pack Electric Units.





HEATING & A/C EQUIPMENT

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