

## INSPECTION FOR MISWIRING OF RHEEM CLASSIC HIGH EFFECIENCY OIL FURNACE MODELS ROBF-067, ROBF-112, ROBF-150, ROPF-112 and ROPF-130 (INSTALLED FURNACES ONLY)

**WARNING: THESE INSTRUCTIONS ARE INTENDED AS AN AID TO QUALIFIED SERVICE PERSONNEL FOR PROPER INSPECTION, REPAIR AND OPERATION OF THE FURNACE. READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING THE INSPECTION AND (IF NECESSARY) REPAIR.**

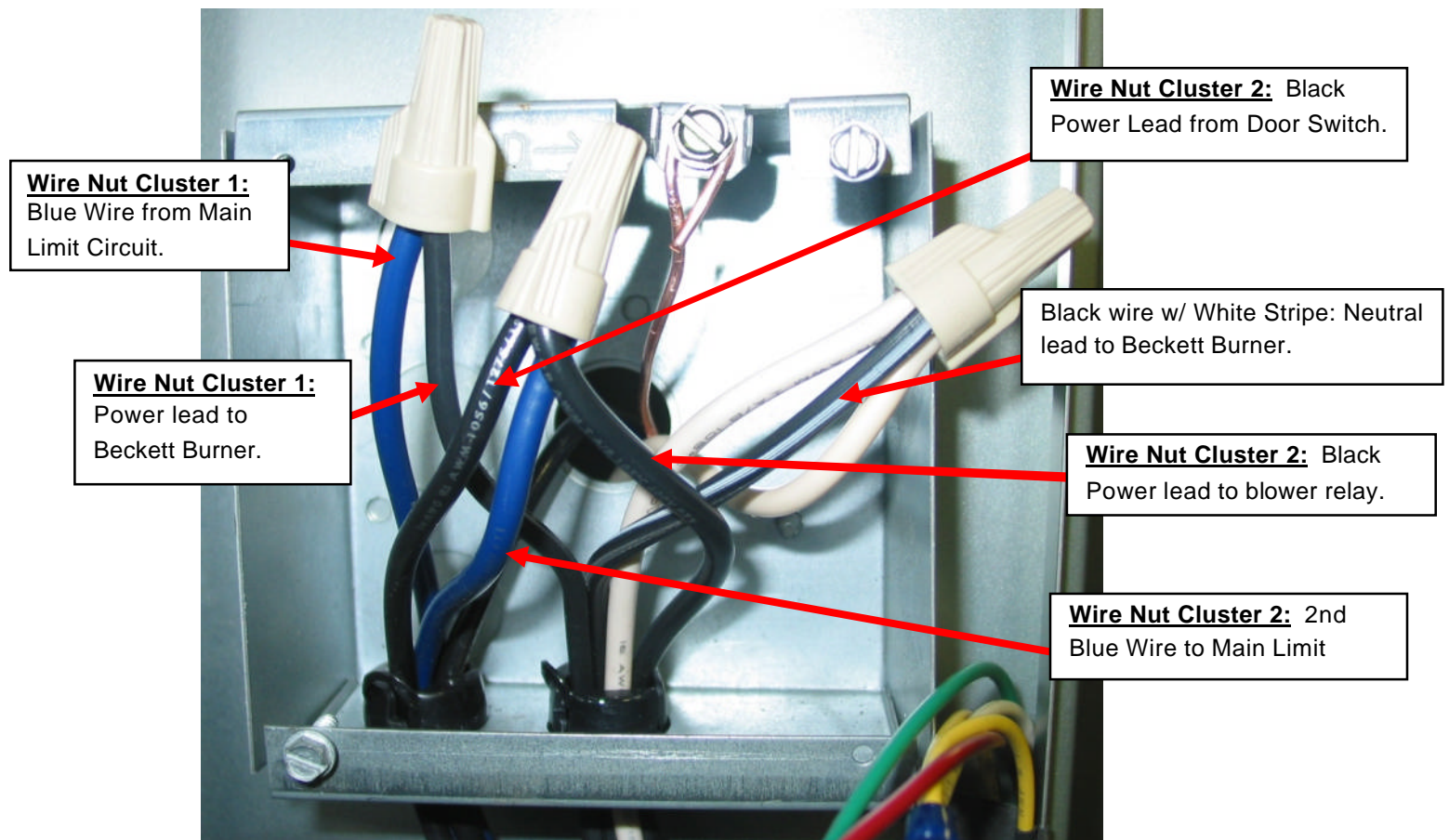
**FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN IMPROPER INSTALLATION, ADJUSTMENT, SERVICE OR MAINTENANCE, POSSIBLY RESULTING IN FIRE, ELECTRICAL SHOCK, CARBON MONOXIDE POISONING, EXPLOSION, PROPERTY DAMAGE PERSONAL INJURY OR DEATH.**

1. Remove the burner cabinet door only (this is the louvered door on all models). For downflow models, both doors must be removed and then the blower cabinet door only replaced (the blower door switch must be closed for this procedure). Power is still applied to the furnace at this point.
2. Apply a heat call at the thermostat and wait for both the burner and main blower to turn on.
3. Disconnect either one of the two blue wires to the main limit control (see Figure 1).



**Figure 1:** Disconnect One of the Blue Wires from the Main Limit Control.

4. If the furnace is correctly wired, the burner will shut off (verify no flame is present through the inspection window). If the burner does shut off, skip to step 13. If the burner does not turn off, the furnace is miswired all steps below must be followed.
5. Remove power to the furnace by turning off the breaker controlling the furnace circuit.
6. Trace the line-voltage cordset from the Beckett burner to the main junction box.
7. Inside the main junction box the Beckett burner cordset will separate into two wires; one is solid-black and the other is black with a white stripe.



**Figure 2:** Main Junction Box With Wires Properly Connected.

8. Follow the solid-black wire from the burner to its end where it will be terminated with a wire nut.
9. This solid-black wire should be connected to **ONLY ONE** other wire at this wire nut: a blue wire from the main limit circuit. If there are three wires at this connection, the furnace is miswired.
10. If the furnace is miswired, correct the connections as shown in Figure 2 (verify with unit-mounted wiring diagram).
11. Replace the junction box cover and reconnect the blue wire to the main limit control.
12. Restore power to the furnace and repeat steps 2-4 above to verify that the burner shuts off as indicated. If the burner does not shut off, confirm that corrective steps 5-11 have been followed properly. If the problem persists, disconnect power from the furnace and contact the Distributor Service Coordinator.
13. Replace the furnace cabinet doors.

**RECORD INFORMATION:**

Record in an E-warranty form the model number, serial number, location (address) and date of inspection and, in the Comments field, whether the furnace was wired properly or miswired and corrected.