



Technical Bulletin

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BULLETIN NO. 091119

DATE: 11/19/2009

PRODUCT: Olsen and Airco Oil Furnaces equipped with Beckett AF Burners & Fan/Timer Boards

FROM: Technical Service Department

TITLE: Possible Wiring Error in Burner / Fan/Timer Board Wiring

MODELS AFFECTED

BML-80B	BMLV-80B	HML-80C	HMLV-80C
MPL-120B	WML-80C	WMLV-80C	Beckett AF Burners Only

SERIAL NO. RANGE: Non-Specific

SITUATION

Due to a potentially mis-wired Beckett burner the circulator fan may not come on until the high limit is reached. We have had a few reported incidents and believe this is an isolated situation.

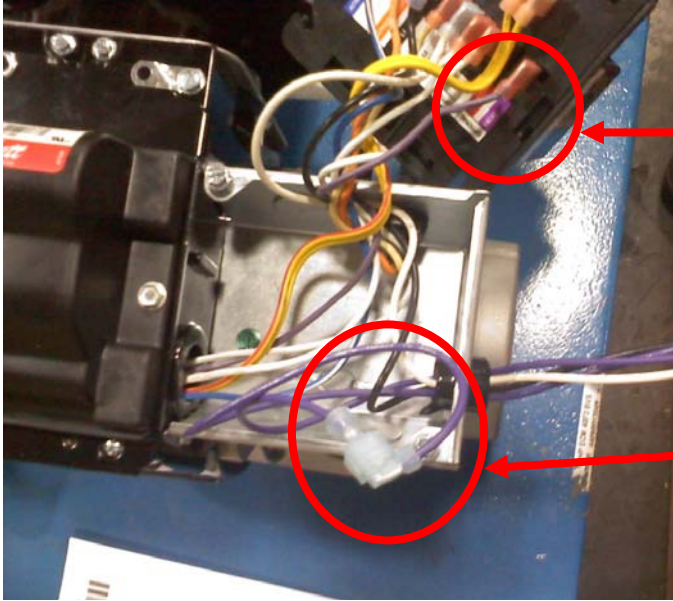
If the furnace is mis-wired, the burner will come on in response to a call for heat. The furnace will heat up and the burner will shut down on high limit at which time the circulator fan will come on. The circulator fan will continue to run until the furnace cools and the limit automatically resets. The red LED diagnostic lamp will flash at 2.5 Hz rate while the switch is open.

CAUSE

The before mentioned situation will occur if the two violet wires from the 4-pin Molex connector under the burner primary control are connected together, and the gray wire from the CleanCut solenoid coil is on the "VALVE" terminal of the primary control. See photo 1.

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Photo 1



Gray wire from solenoid coil connected to VALVE.

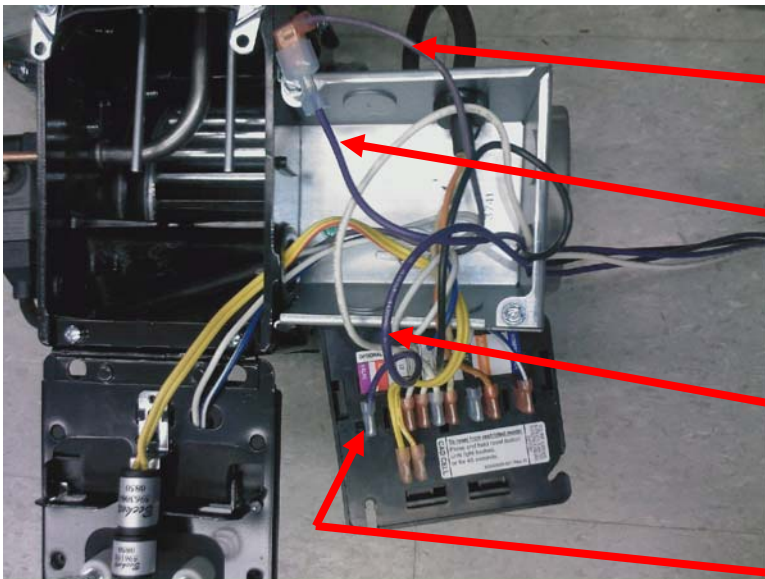
2 violet wires from 4-pin Molex connector are incorrectly connected together.

SOLUTION

To correct the situation take the following steps:

1. Separate the two violet wires under the primary control from each other.
2. Remove gray wire from solenoid from the VALVE terminal and attach to one of the violet wires.
3. Put the remaining violet wire on the VALVE terminal.

Photo 2



Gray wire from solenoid coil

Violet wire with 1/4" Quick-Connect male terminal

Violet wire with 1/4" Quick-Connect female terminal

VALVE terminal on R7184B oil primary control

If you have any questions pertaining to the information contained in this bulletin please contact the Technical Support Department at (800) 325-5479, or in Canada at (888) 270-8324.