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ENGINEERING BULLETIN

BECKETT BURNER SOLENOID & WIRING

November 3, 2005

Starting September 1, 2005, Crafco made 3 changes to the burner control solenoid and associated wiring.

1. Solenoid (39602) changed to silicone coated model. Model has improved moisture resistance. All replacement solenoids will be silicone coated.
2. Solenoid mounted 180 degree from prior mounting position (pointed end of solenoid down). This helps keep debris from interfering with plunger operation inside of solenoid.
3. Wiring at solenoid revised by attaching small red wire from burner to same terminal as wire from control box. See attached wiring schematic for detail. Wiring change connects an additional relay within the burner DC controller as an additional safety feature.

It is recommended that all diesel melters requiring maintenance or repair have the solenoid rotated 180 degree and wiring changed per attached schematic.

INSTRUCTIONS FOR REWIRING OF BURNER SOLENOID

1. DISCONNECT + TERMINAL CABLE AT BATTERY
2. REMOVE NUT ON SIDE OF SOLENOID (WIRES CONNECT TO BURNER PLUG)
3. REMOVE 16GA RED WIRE (TO UPPER CENTER TERMINAL ON PLUG)
4. REINSTALL NUT ON SOLENOID LEAVING 12 GA RED ON TERMINAL
5. REMOVE TERMINAL EYELET ON 16GA RED WIRE. INSTALL NEW TERMINAL (51558)
6. LOOSEN SMALL TERMINAL NUT (CENTER TERMINAL ON SOLENOID) AND ATTACH 16GA RED WIRE. LEAVE EXISTING WIRE IN PLACE. TIGHTEN NUT
7. REATTACH BATTERY + TERMINAL CABLE
8. TEST BURNER FOR PROPER OPERATION

