
ENGINEERING



MEMORANDUM

DATE: August 26, 2006
TO: All Distributors
FROM: Floyd Schave- Chief Engineer- Equipment
RE: Burner solenoid wiring revision
CC:

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

1. 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.
2. Wiring at solenoid changed by attaching small red wire from burner to same terminal as wire from control box. See attached wiring schematic for details. Wiring change connects an additional relay within the burner DC controller as an additional safety feature. Otherwise, the burner could continue to burn if solenoid stuck "on", even if control box cuts off electric to solenoid.

If you have any questions, please contact Crafco Technical Service at 800-528-8242.

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

