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FIELD AMENDMENT NOTICE

"MICRO" MARK 5 SERIES RAILWAY SWITCH HEATERS FLAME ROD WIRING

Distribution:

All Micro Switch Heater Customers

Over the course of the 96/97 winter we have identified a problem with the MICRO MARK 5 railway switch heater, which has caused nuisance shutdowns.

The details of this problem and the corrective action required, are described on the following field modifications.

This modifications has been made to production heaters manufactured as of March 17/97.

Thank you,

Gregor Harris, P.Eng.,
Manager of Engineering
HOVEY INDUSTRIES LTD.

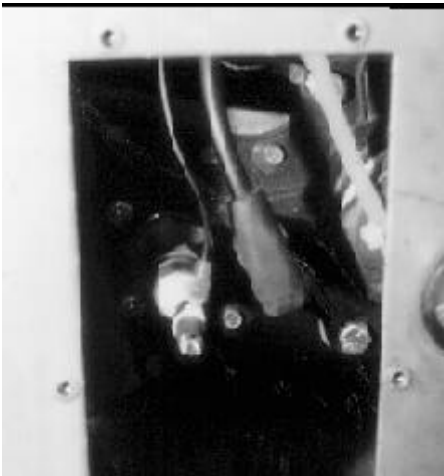
MICRO Switch Heater Flame Rod Wiring Field Modification

As a result of investigating repeated heater failures experienced on some MICRO Mark 5 switch heaters this winter, we have found that excessive moisture accumulation on the flame rod, grounds the flame signal and simulates a flame failure. Using a silicone spark plug wire connector insulates and prevents grounding of the signal to the cold side of the burner.

Symptom

The burner lights and remains lit until the end of the 6 second trial for ignition period, then the controls shutdown the heater and indicate "Alarm".

To correct this problem, perform the following modification using the parts supplied:



Present flame rod wiring (on left)



Step 1-Cut the old wire and strip insulation to expose approximately .25" of bare copper wire



Step 2- Slide small diameter heat shrink tubing over wire and shrink it. Then slide the large diameter heat shrink tubing over top. Do not shrink it yet.



Step 3- Insert wire into open end of butt splice connector, make sure the shrink wrap is on wiring assembly.



Step 4- Reconnect the new wiring assembly over the tip of the flame rod.

After crimping the connector slide the shrink wrap over the butt splice and apply heat to the shrink wrap.