Coal-trol Digital Hardware Troubleshooting

Instructions:
With Coal-trol Control Module plugged in, begin at START box and
systematically work to identify problem cause.
For for service contact your dealer or call Automation Correct at (315) 299-3589.

Motor Cord Color Code Reference
RED - Stoker (Feeder)
BLUE - Combustion
YELLOW - Convection
GREEN - Igniter or not used

START

Is Thermostat Display Working? → **No** →
1) Check power to Control Module.
2) If power-vented, reset or repair Fume Switch and/or power vent./draft system.
3) Be sure that thermostat cord is fully seated on both ends.
4) Repair/replace thermostat cord.

Yes

Does On/Off switch light up when ON? ← Fixed? → **No** →
1) Repair Thermostat
2) Repair Control Module.

No →
DO NOT REPLACE FUSE YET!
1) Unplug all stove motors from control module.
2) Test each motor by plugging directly into wall outlet.

Does each motor operate properly? → **No** → Replace/repair defective motor.

Yes

1) Plug motors back into control module.
2) Replace fuse on control module. (10A Max)

Does On/Off switch light up when ON? → **Yes** →

1) Put thermostat into TEST mode:
   A) Press and hold MENU button untill "Feed" is displayed.
   B) press MENU button once. "Test" is displayed.
   C) Press UP button once. Test mode sequence is initiated.
   D) Turn Control Module On.
To EXIT Test mode, press MENU button.

every 30 sec

"STOKER" : <u>Only</u> Feeder motor should run.
"CMBSTN" : <u>Only</u> Combustion blower should run.
"CNVCTN" : <u>Only</u> Convection blower should run.
"IGNITR": No motors. Igniter if installed.
"AUX" : No motors. Furnace fan, if installed"
"IC xxx": No motors. ignition counter.

Pass? → **No** →

1) Check for binding or mechanical reason why motor might be stalled.
2) Check that motor cord colors are matched to correct receptacle.

No

Repair Control Module