

HD 15 Not Running: Check List

Only a few things make the machine stop
Blown fuse, an open safety circuit, a bad relay, or a bad control board
Here's how you troubleshoot it. It's going to take a few minutes.
You'll need Allen wrenches, screwdrivers, needle nose pliers, and a volt ohm meter.

Attached are some pictures that will help.

The feeder section is run by the laminator motor.
There is are (2) 3 amp fuse for the motor control board.
This is located inside the right side of the machine so you would have to pull the right side cover off.
Make sure they are not blown.

There should be a green light lit up on the motor control board when the machine is on, the table is installed.
the red buttons are up and lever switch is engaged.
No green light indicates no power to the board or possibly a bad board.

The wires attached to the board on terminals L-1 and L2 should show 208-220 volts AC (Again Machine on,
all safety switches engaged, tray installed, lever switch tripped.)

No voltage? There is an interruption in the safety circuit or a bad safety relay, Power there but no green light
on the board ? Push the green button) Bad board.

There are 3 safety switches that need to be engaged in order for it to run.
The 2 red emergency stop buttons that need to be in the up position.
And the small lever switch that is tripped when the feed table is installed.

The lever switch has an arm on it. It's located on the left side of the machine. You can pull the left side cover
off and see it.. You can manually trip it to see if that is the problem.
Sometimes the lever can get bent and it doesn't trip the actual switch. you may have to get a pair of needle
nose pliers and bend it back to a position where the table back pushes it far enough to trip it.

The switch is tripped and the gear for the feeder is meshed with the drive gear on the laminator.

If the laminator is not starting I suspect the feed table isn't fully in place.
Take it back out and reinstall it making sure it is fully engaged.
Make sure the F/R switch is in forward and the speed pot is turned up a bit.

There is a safety relay that engages when all of the safety switches are tripped.
If the lever switch is engaged push a red button down and then twist it to bring it back up. If you do it quietly
you will hear a click. That is the relay engaging.
The machine should then run. If you don't hear a click either the safe circuit isn't completely passing power or
a bad relay, a bad relay is rare.

Look at all the wiring to the red buttons and that safety switch and see that they are all tight, no loose wires.

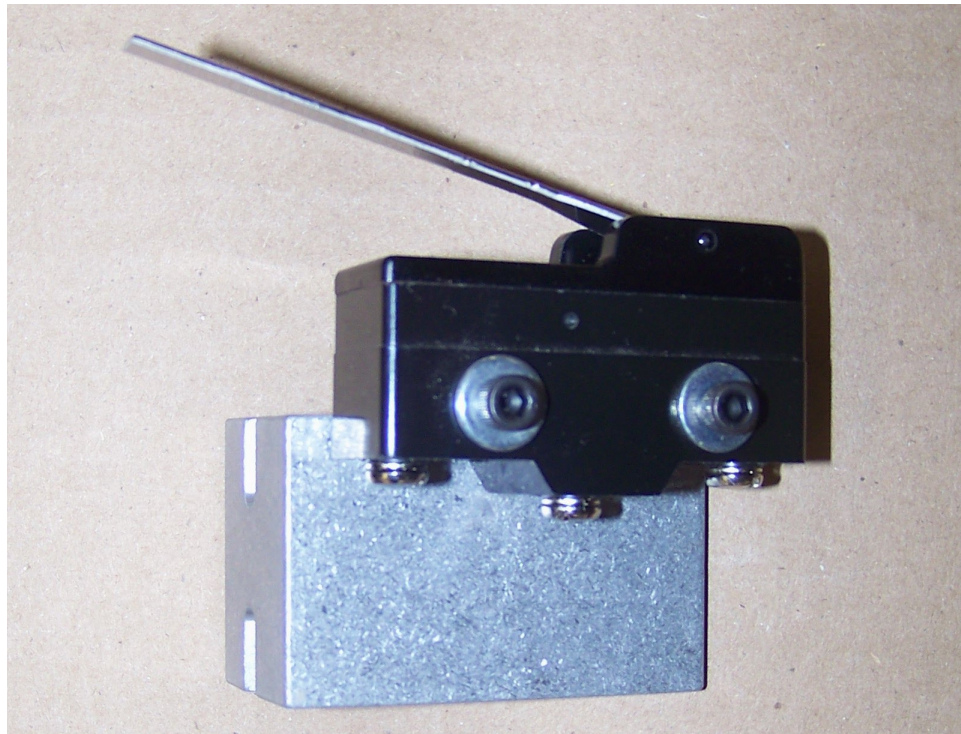
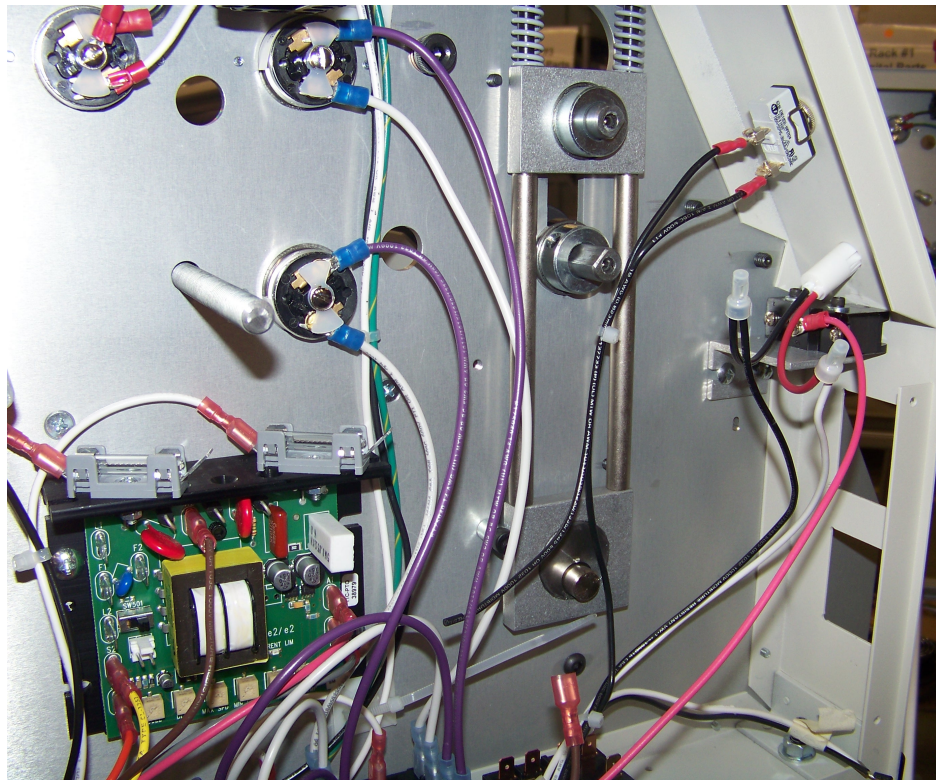
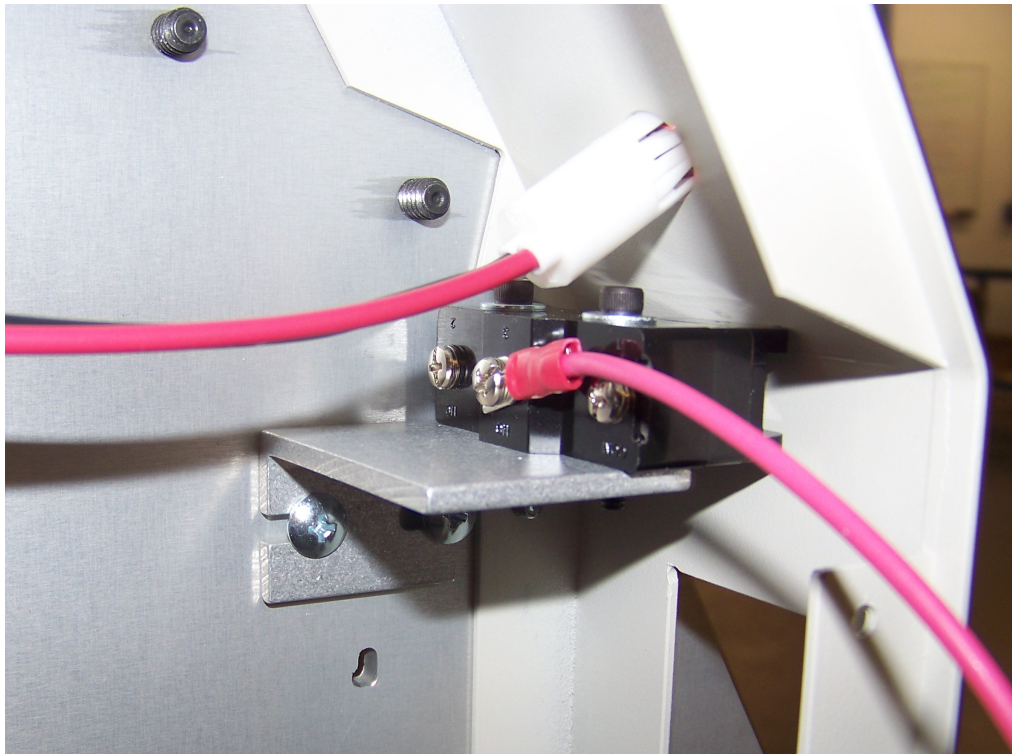


Table lever switch



Motor control board w/ Fuses on top



Lever switch location, right above the heat controls