DINOSAUR ELECTRONICS

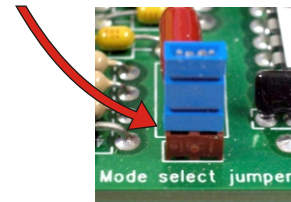## (541) 994-4344

FAN 50 PLUS INSTALLATION

The Fan 50 Plus comes with a "pluggable" MODE SELECT jumper on the board and a separate set of red and orange wires.
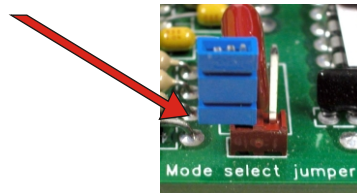
IF you are replacing an OEM fan board such as the Suburban® PN232613 or the Atwood® /Hydroflame® PN37875. This mode select jumper STAYS on both pins.

The RED and ORANGE wires DO NOT get used.

IF you are upgrading an "older furnace" that has a standard ignitor board; do the following:

1) Move the MODE SELECT jumper over to just one pin (doesn't matter which) or remove it completely.

2) Connect the RED and ORANGE wires to the board - RED for power and ORANGE for blower. They can only be connected one way!

3) After installing the board, remove the "hot" leg of the fan motor from the time delay relay and connect it to the "male" end of the ORANGE wire. Connect the "female" end of the RED power wire to the time delay relay terminal that used to feed the motor.

4) With the six pin connector and Spark wire hooked up, you're off and running.

Characteristics of the Fan 50 Plus for either type of installation.

The ignition portion of the board is a standard "3 try" "local sense" board. The timing is a 20 sec delay & 5 sec ignition, three times in a row. If NO flame is sensed after the third try, the board will wait 1½ minutes and shut off the fan motor.

NOW! The Fan 50 Plus will wait for one full hour and try the whole sequence again before "locking out".

IF!? The installation is a replacement of a Suburban® or Atwood® /Hydro-flame® fan board, you can simply turn the thermostat down and back up to restart the whole "3 try" sequence.

IF!? The installation is an upgrade of an older furnace and the time delay relay is still in use, to restart the sequence at any time, you must turn the thermostat down and allow enough time for the time delay relay to reset before turning the thermostat up again.

IF!? For some reason the motor comes on and the GREEN LED on the Fan 50 Plus DOES NOT come on, there is a problem in the circuitry of the "sail switch, high limit switch, etc."
The fan will run for ten minutes and shut off.