

******Turn off all power to furnace and UNPLUG******

Be sure to let furnace cool down before attempting to remove, install, or service unit.

-Remove parts from front cover

FAN RELAY: Remove thermostat wires and disconnect fan center in the back of the unit. Loosen all wire caps and set aside.

TIMER & BOX: Remove conduit and fitting attached to timer box. Remove timer box from side of furnace, disconnecting any conduit fitting attached.

FAN LIMIT CONTROL: Remove cover and disconnect any wires attached to switch by inserting a small screw driver or awl into the hole next to the wire and push to release wire. Repeat for all wires connected to switch. The corn-trol box will be placed in this spot in upcoming steps (*Top Right on Left Side of Furnace*).

-Set damper gate on combustion blower to $\frac{3}{4}$ " open (Refer to Corn-trol manual).

INSTALLING CORN-TROL

Loosen Corn-trol cover screws and disconnect control board by squeezing plug ends to remove. Repeat process for the metal cover and set board and cover aside. Attach Corn-trol box to furnace where the fan limit switch/control was removed (*top right on left side of furnace*). Fasten to furnace with (2) self tapping screws in top box, and (1) in the lower relay box.

The flex coming out of the bottom left of the Corn-trol (*5 wires for left hand feed, 4 wires for right hand feed*) will run to your old relay box on bottom left. The yellow and solid orange wires coming from this flex will connect to your room air blower (*wires coming through old relay box from inside furnace*). Usually this will be the yellow connecting to the blue, and the solid orange connecting to the white. The resulting wires will be connected to the matching wires from the 18" FLEX that is provided. This 18" flex will run from the old relay box to either your augers (*left hand feed*) or your combustion blower (*right hand feed*).

This will leave you with the flex coming out of the bottom right of the Corn-trol (*2 wires for left hand feed, 3 wires for right hand feed*). Run those around to your augers (*right hand feed*) or your combustion blower (*left hand feed*). The wires are labeled for your convenience.

Auger motors will have 3 separate connections; the orange with white stripe from the corn-trol will be connected to the POT AUGER motor. The white from the corn-trol will also be connected to the pot auger motor along with the white from the BIN AUGER. The black from the corn-trol will be connected

to the orange from the BIN AUGER. These wires are also labeled.

-Check wiring schematic to assure proper connections.

-Follow setup instructions in corn-trol thermostat manual.

Thermo-Disc Installation:

T-Disc Rod:

-Requires a 2 ½ inch hole to be drilled on the left side of the furnace.

-At top of furnace, measure 23 inches from rear left corner of furnace to front left corner, mark area to be drilled (Should be near the corn-trol box). Find center by measuring down 2 3/16th inches from bottom lip of furnace top to marking in previous step.

- Drill 2 ½” hole at measurement.

-Insert T-Disc rod thru hole and connect corresponding wires. The heat shield install on the heat exchanger may need cut to allow rod to rest on heat exchanger.

-Fasten rod to furnace with (2) self tapping screws.

-Supply power to furnace and ignite according to instruction in manual.