

PN82662-1: Trinity Air Switch Upgrade

(For T-Series Boilers Only)

IMPORTANT!!!!

Upgrade is not mandatory, if performed; a combustion test must be taken after completion to verify proper CO₂ and CO levels at low and high firing rates.

Instructions (See Diagram):

- 1) **If operating on LP-Gas**, remove orifice.
 - 2) **For Natural Gas Installations**, turn "Input Screw" out (counter clockwise) 3 revolutions.
 - 3) Remove and discard old air proving switches and white jumper wire connecting the two.
 - 4) Thread Regulator Adapter into Gas Valve Regulator Assembly.
 - 5) Connect vinyl tube from air intake barb to Regulator Adapter (Cut vinyl tube to appropriate length).
 - 6) Mount replacement Huba air switch next to Fenwal as shown. Connect tubing from blower discharge to positive pressure port on Huba switch.
 - 7) Adapt boiler air switch wiring to terminals 1 and 3 on Huba air switch using the provided adapters.
 - 8) Perform combustion test at high firing rate, adjust "Input Screw" as necessary.
 - 9) Perform combustion test at low firing rate, if not within acceptable limits, contact NTI.
 - 10) Verify smooth operation and ignition.
- (See Installation Manual and LP-Conversion Instructions, provided with the boiler, for instructions on accessing the LP-orifice and adjusting combustion.)

