

DETROIT RADIANT PRODUCTS CO.

TP-36[N,P] Kit Replacement Instructions

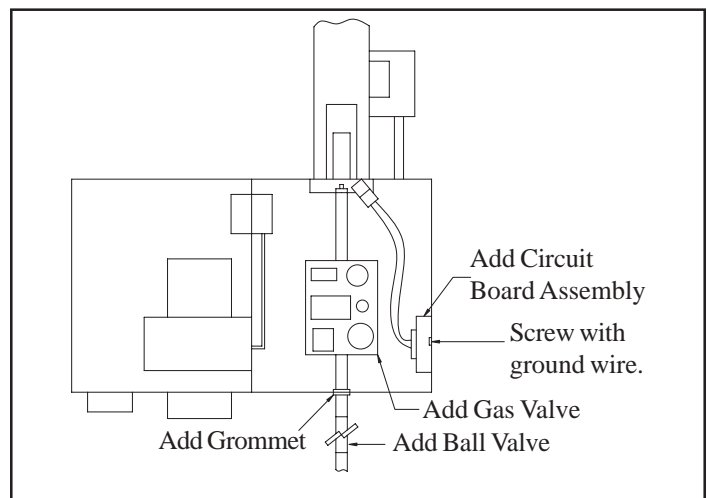
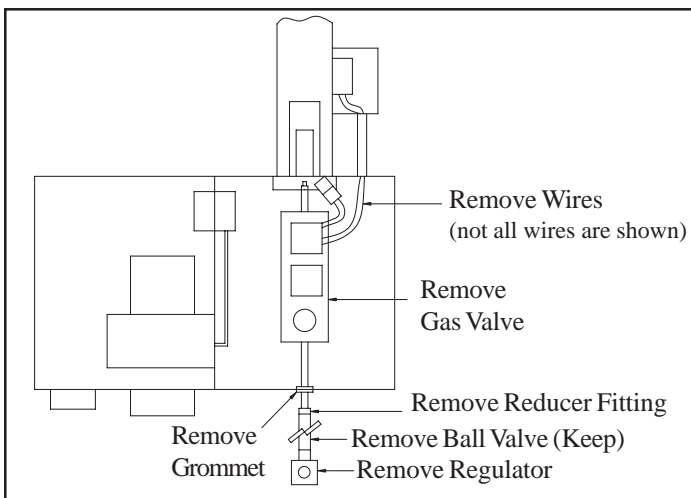
WARNING: THE FOLLOWING CONVERSION SHOULD BE PERFORMED BY A QUALIFIED SERVICE PERSON. CONTACT THE FACTORY WITH ANY QUESTIONS.

NOTE: Replaced/converted parts are **NOT** returnable for credit.

MODELS AFFECTED: DTH(S), DTH(S) -2 40MBH-100MBH

Installation Instructions

1. Open electrical circuit to heater and shut off gas supply to heater.
2. Remove external TP-33 or TP-33P regulator and ball valve originally supplied with the heater. Remove 3/8" reducer bushing from ball valve; set aside ball valve.
3. Remove the control box cover. Remove the faulty TP-36 gas valve by disconnecting the wires from the wire nuts (to the radiant sensor and the fan), pressure switch and igniter.
4. Disconnect wires from the radiant sensor; however, **DO NOT** remove the radiant sensor (TP-64).
5. Install TP-78D (circuit board) by drilling a hole approximately 2" down from the top of the control box into the end panel adjacent to the valve. Snap on the TP-390 (adaptor) to the circuit board and connect the TP-78B (wiring harness). Mount the circuit board with the wiring harness towards the top of the control box and attach with the screw and nut provided. Attach grounding wire to this screw.
6. Connect the male glo-bar connector from the end of the wiring harness to the female glo-bar connector inside the box.
7. Remove the gas orifice from the faulty valve and transfer to the new valve. Install the new valve train assembly (TP-107) and the ball valve from the old train assembly. Place valve assembly into burner and secure with provided nut.
8. Wire the control box according to the wiring diagram found on the reverse side of this page.
9. Restore gas and electrical supply to the heater. Check to make sure all gas connections are tight and that there are no leaks.
10. **IMPORTANT:** Affix conversion label next to the CSA/AGA label identifying the heater as a converted (-3) unit.



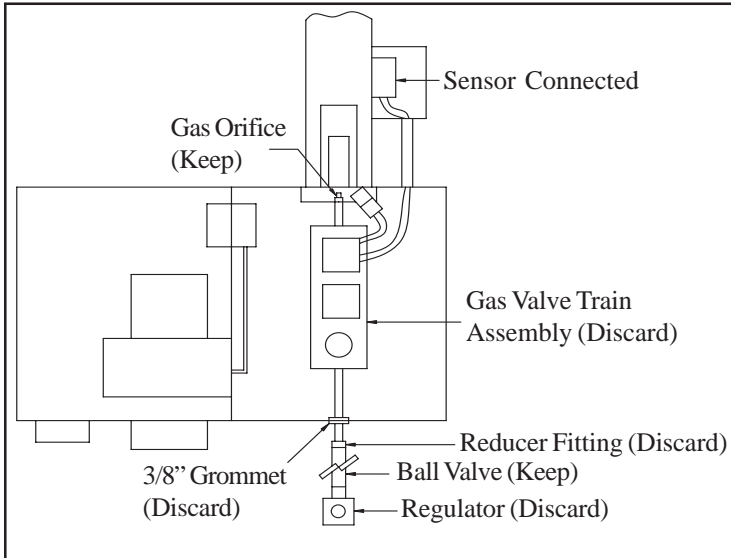
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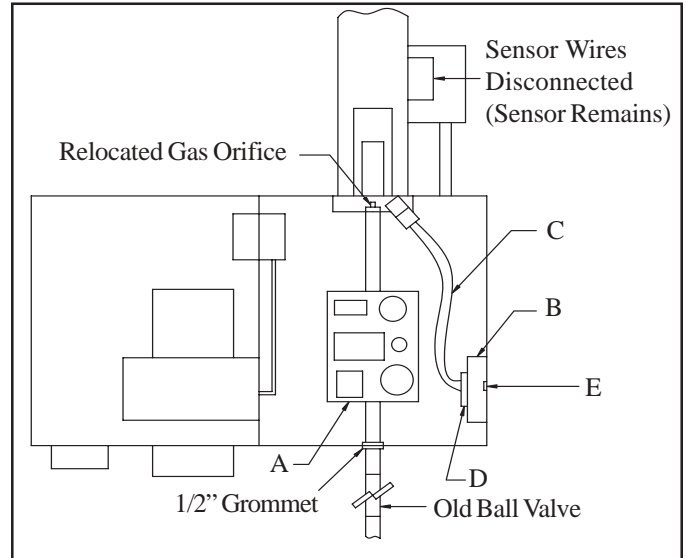
Parts List

- A. (1) TP-107 or TP-107P Gas Valve with fittings.
(1/2" Inlet Pipe with Grommet, 1/2" Manifold Pipe with Brass Fitting & Anchor Nut).
- B. (1) TP-78D Circuit Board.
- C. (1) TP-78B Wire Harness.
- D. (1) TP-390 Adaptor (Circuit Board to Wire Harness).
- E. (1) Screw and Nut for circuit board mounting & electrical grounding.

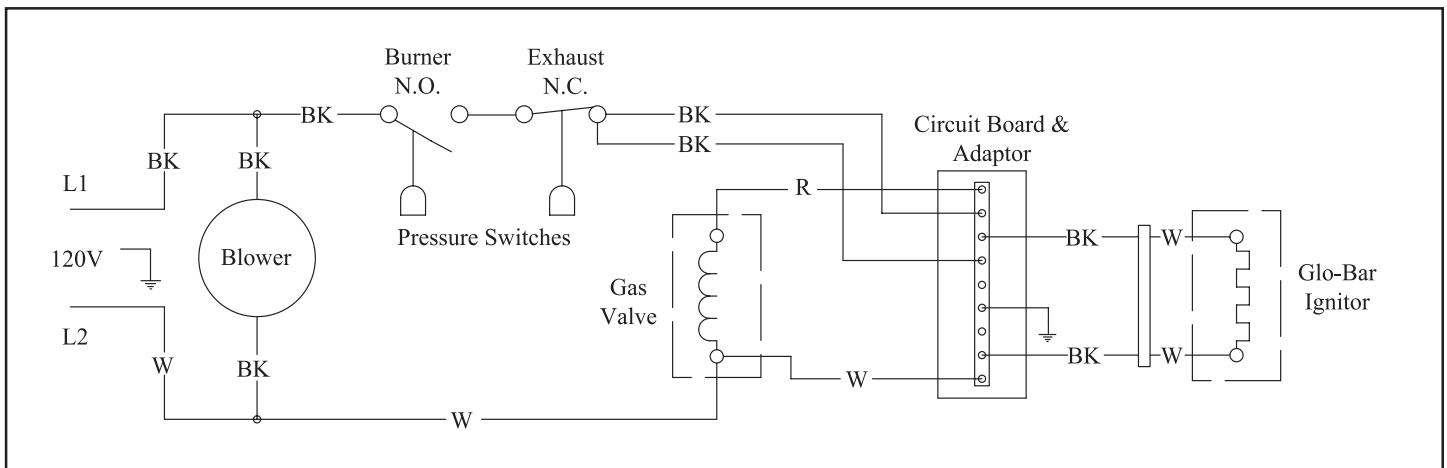
BURNER BOX BEFORE CONVERSION



BURNER BOX AFTER CONVERSION



WIRING DIAGRAM



BLOCK DIAGRAM

