

ACCESSORY KIT INSTALLATION MANUAL

RETROFIT OF 23IF-2 (2702-310P/A) WITH (031-03010-000)

FOR KIT NUMBER 43101972100

APPLICATION

This kit is used to install control board 031-0310-000 on older gas furnaces which do not have the 12 and 6 pin harnesses.

CONTENTS

- 4 pin to 6 pin adapter harness (1)
- 9 pin to 12 pin adapter harness (1)
- 15"-18 gauge red wire (1)
- Installation instructions
- Furnace control board (1)

INSTALLATION

1. Remove all existing connections from the 23IF-2 (2702-310P/A) and then remove control.
2. Install (31-03010-000), furnace control board.
3. Reconnect all thermostat, fan L1, XFMR, EAC, HUM and Neutral connections to (031-03010-000).
4. Connect 12 pin to 9 pin adapter harness.
5. Connect 4 pin to 6 pin adapter harness.
6. Connect transformer secondary connections to the two gray loose leads from the 12 pin adapter harness.
7. Disconnect red wire from high limit switch that runs to the right side rollout switch.
8. Route red loose lead from 12 pin adapter harness through the control box hole and along the wiring harness up to the burner assembly area. Connect this wire to the wire removed from the high limit in Step 7. This separates the series connection of the rollouts from the high limit since they are read separately in the (031-03010-000).
9. Remove all of the connections to the pressure switch.
10. Install single red wire from adapter kit between open connection of the pressure switch and open connection of the high limit.
11. Reconnect pressure switch wire disconnected in Step 9 to piggy-back terminal of red adapter wire connected in Step 10.
12. Power-up furnace to initiate a call for heat.
13. If furnace repeatedly cycles the inducer off and on and intermittently flashes an error code 4, swap the pressure switch wire connected to the piggy-back terminal with the other pressure switch wire. This should allow the furnace to continue the ignition process.
14. Check all other operations of the furnace to ensure the integrity of the control installation.