

SERVICE ADVISORY # 07- 088

Fuzion Water Heater Wiring

Models Included: All

Serial Number Range: 2007 Models - 7F810002 – 7F810352

Serial Number Range: 2008 Models – 8F810000 – 8F810245

Parts Required per Unit: KRV # 182850 Circuit Board – If wiring is incorrect

Tools Required: Screw gun, or Screwdriver, Wire Strippers.

Keystone RV Company is conducting a voluntary RECALL notification campaign in accordance with the National Traffic and Motor Vehicle Safety Act. It has been determined that on some vehicles the gas valve on the water heater will open and allow LP gas into the burner tube when the electric switch is turned on due to incorrect wiring. This advisory will explain how to inspect the wiring and correct the problem.

Note – Stock Units must be remedied before retail sale

ONE INSTRUCTIONS

Step 1 Locate water heater switch panel. (Fig. 1)

Step 2 Remove the switch and verify the wires are attached to the switch as per Fig. 2.

Step 3 Correct any wires that are connected to the wrong position.

Locate the water heater switch panel in the bathroom



Fig. 1

The white from the white and red paired wire is the ground.

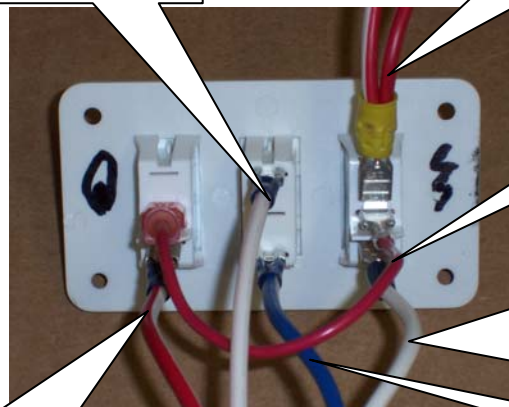


Fig. 2

The 2 red wires from the red and white pair are 12V to the electric side of the switch

Red jumper wire supplies 12V to the LP side of the switch

The white from the white and blue paired wire is the switched 12 V to activate the electric element.

The red wire from the white and red paired wire is the switched 12V to activate the LP Gas.

Blue check light wire

- Step 4** Verify the ground wires match Fig. 4. Go to Step 8 if correct.
- Step 5** If wired like Fig. 3, find the white wire loop in the wall behind the switch panel and cut the loop (Fig. 3) to make two separate wires.
- Step 6** Cut the white wire from the white and blue pair of wires 8" from the switch. (Fig. 3)
- Step 7** Connect the 4 white wire ends together with a wire nut. (Fig. 4)

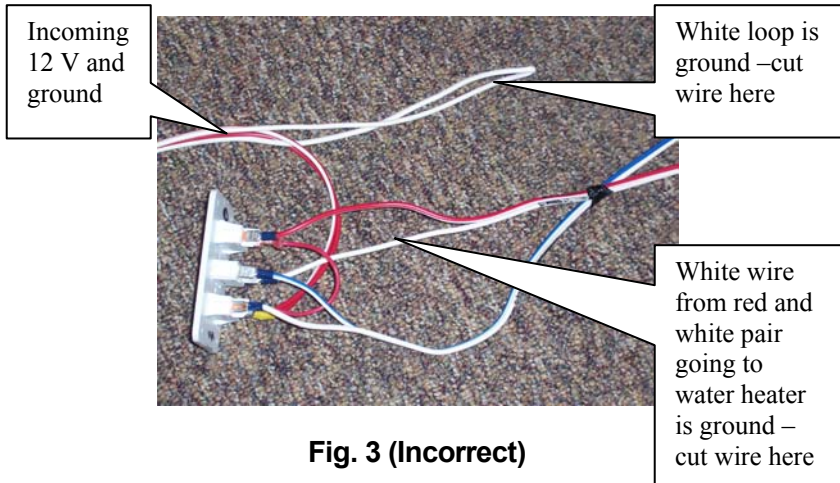


Fig. 3 (Incorrect)

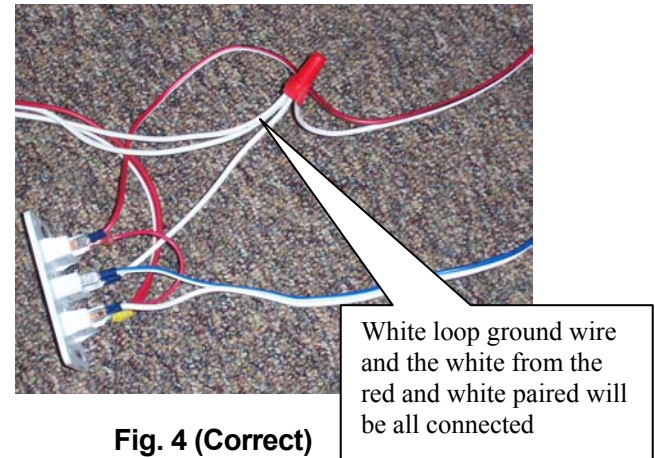


Fig. 4 (Correct)

- Step 8** Check to verify that the wires are connected to the water heater correctly per Fig. 5. Make corrections as necessary.

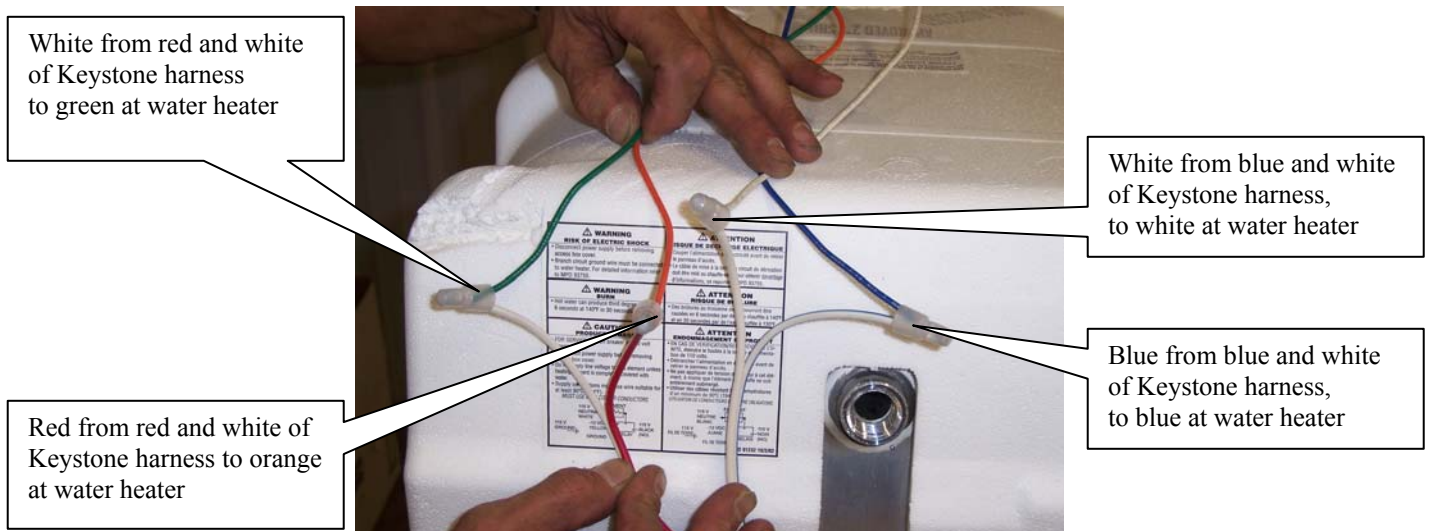


Fig. 5

- Step 9** If any of the previous wire connections were incorrect, you will need to also replace the circuit board. Do not assume the circuit board is OK if the water heater functions correctly after correcting the wiring. The circuit board may have been damaged and cause the gas valve to open and allow LP gas into the burner tube.
- Step 10** Verify the operation of the water heater on the gas and electric modes.
- Step 11** Perform a LP Drop Pressure Test.

Dotted lines are wired by customer

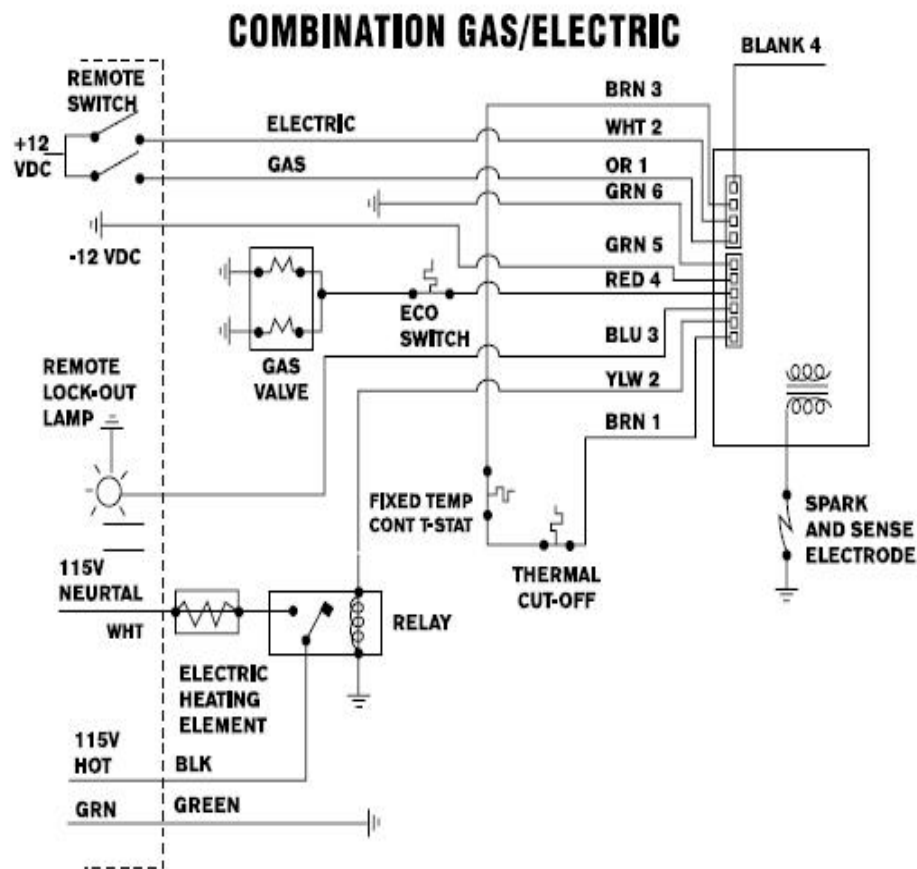


Fig. 6 Atwood Wiring Diagram

TWO WARRANTY REIMBURSEMENT

Submit labor expense on Key Express or a Keystone Warranty claim form with the **Service Advisory # 07- 088** noted in the complaint section. Only use one of the following Flat Rate Codes.

Inspection Only – Use code **7108842K**. The amount of time authorized for this repair is 0.5 hours.

Inspect and Repair – Use code **7108842A**. The amount of time authorized for this repair is 1.0 hours. **The control board must also be replaced.**

THREE PART RETURN DISPOSITION

Destroy the removed circuit board. Do not reuse as the board may cause the gas valve to open incorrectly and allow LP gas into the burner tube if it has been damaged from the incorrect wiring.

If you have any questions please call Keystone RV Customer Service at **(866) 273-1450**.