

LOV Fryer RTI Update Kit 826-2581

In Kit 826-2581			
Item #	Part #	Description	Qty
1	8074736	TD Relay to RTI ADD Solenoid Harness	1
2	1080094	Transformer to TD Relay Harness	1
3	8074748	Time Delay Relay	1
4	8070012	Isolating Relay	1
5	8072181	Transformer	1
6*	8074747	TD Harness w/ Hirschman plug.	1
7*	1080207	Connector Hirschman w/ 8 pin	1
8	W80C508	Wire – Isolating Relay to TD Relay	1
8	W80C506	Wire – Isolating Relay to TD Relay	1
9	No Number	Hardware w/ fuses 2A and 3A slow blow	1
10	8051766	Wiring Diagram	1
	8196412	Instructions	1
* Only needed if an RTI time-delay relay had been previously installed.			

This kit replaces a control-box mounted transformer with a more robust model and routes that power through a time-delay circuit to the RTI solenoid. (See explanation of circuit in figure 3.)

Follow the steps below to update the fryer:

1. Remove power from the fryer and pull it from under the hood.
2. Remove the bezel surrounding the computers and remove the screws supporting the left and center computer. Lower these computers.
3. Locate the transformer in the left control box.
4. Replace it with the provided transformer, item 5 (See item number field in bill of material at the top of the page.) Place the fused harness, item 2, with its piggyback connections on the transformer and then reposition the previously existing wires. Place the 3-amp fuse in the transformer, item 5, and the 2-amp fuse in the in-line fuse holder in the transformer to time-delay harness.



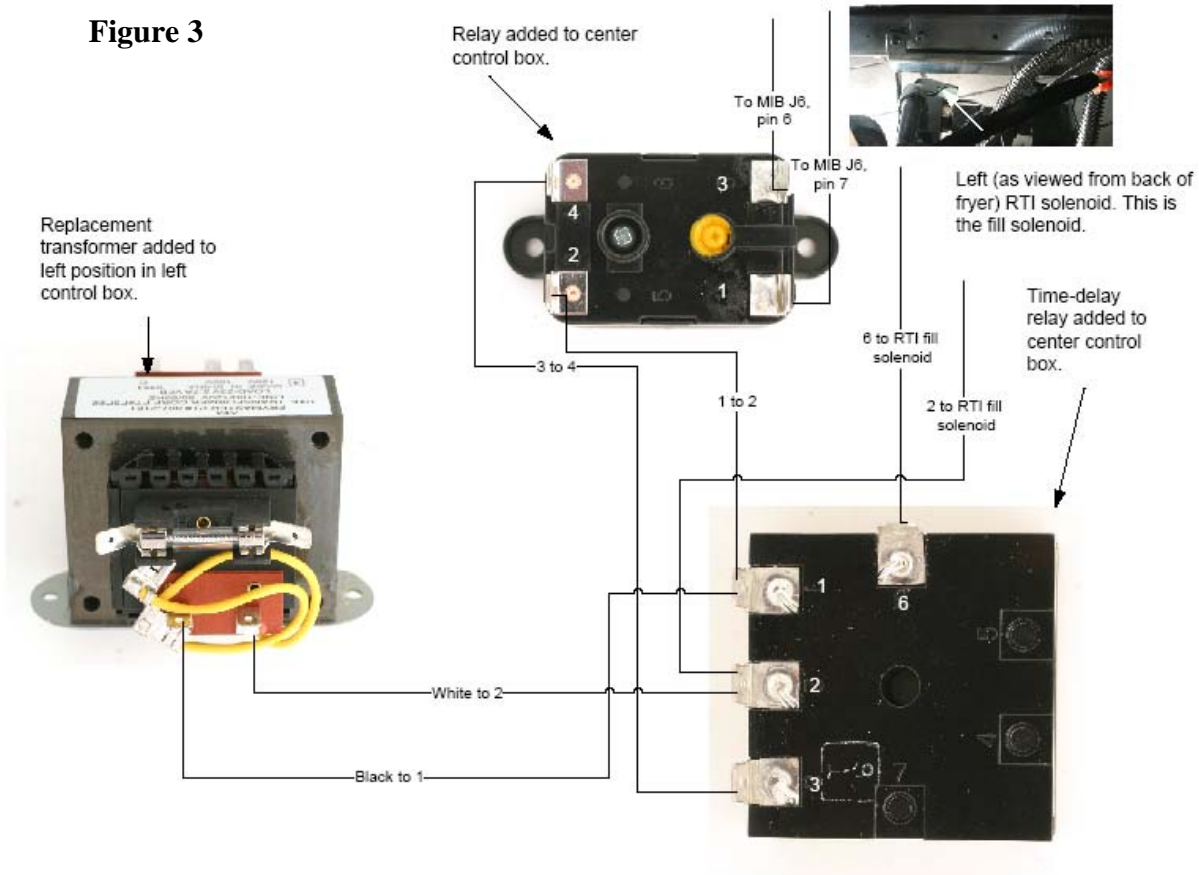
FIG. 1: A transformer in the left box (see left arrow) is replaced; new relays are shown in place (see arrows). A plastic bushing is placed in an existing hole below the time-delay relay in the control box.



FIG 2: The fill RTI solenoid (left as viewed from back) is wired to the relay system installed in the control boxes.

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Figure 3



5. Position the new relays in the middle control box as shown in **figure 1**. Drill a 1/4" hole to attach the time-delay relay, item 3. Attach the smaller isolating relay, item 4, with the provided drill-point screws.
6. Use the two each black wires (six and eight-inch), item 8, to connect the isolating-relay's terminal 2 to the time-delay relay's terminal 1 and the isolating-relay's terminal 4 to the time-delay relay's terminal 3. **See Figure 3.**
7. Move to the rear of the fryer and remove the 24-volt leads from the left RTI fill solenoid. **See Figure 2.**
8. Route the removed leads to the front of the fryer.
9. Insert the bushing in the control box to protect the wiring. **See Figure 2.**
10. Attach the provided 1/4" terminals to the leads from the RTI solenoid and attach them to positions 1 and 3 on the new isolating relay, item 4, in the control box. **See figure 3.**
11. Route the harness, item 1, from the time-delay relay terminals 2 and 6, item 3, to the RTI solenoid. Ensure they don't rest on the drain manifold. **See figure 3.**
12. Restore power to the fryer.
13. Reattach the lowered computers, replace and bezel and test function of the RTI system.
14. With the computer displaying OFF, press the Temp button. The software version is displayed. The software version should be version V51 Build 68, MIB 95, AIF 93 and ATO 95.
15. Ensure the fryer tops off.