

# Waste Oil Bypass, Pump Rotation Kit, 826-2616

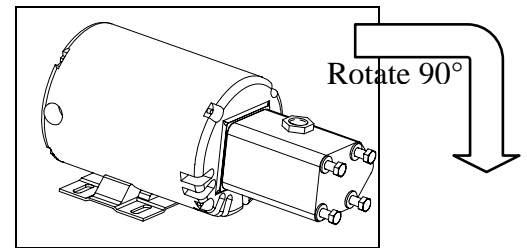
Follow these steps to rotate the pump and position the return bypass valve on LOV fryers.

**NOTE:** There are numerous variations of RTI plumbing configurations. Adaptations of these instructions may be necessary.

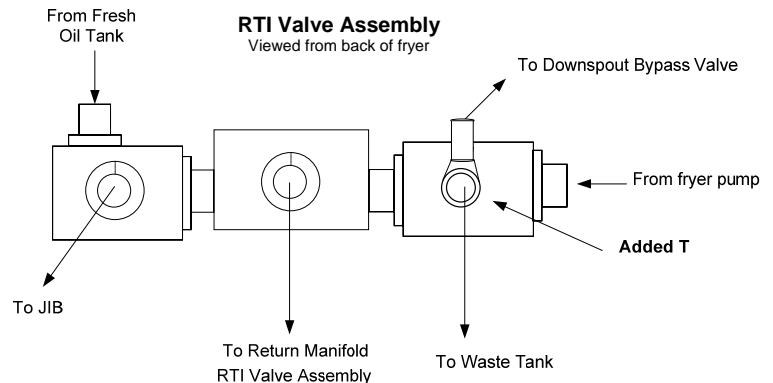
**Frymaster Point of Contact:**  
**Rich Griffin**  
**318-219-7103**

| In Kit 826-2616 |                                |      |
|-----------------|--------------------------------|------|
| Part #          | Description                    | Qty  |
| 108-0477        | TUBE,3-5 BATT DRN DMP W/BYPASS | 1    |
| 813-0022        | NPPL,1/2XCLOSE NPT BM          | 2    |
| 810-1668        | ADAPTER, MALE 5/8"O.D. X 1/2"  | 4    |
| 813-0003        | TEE,1/2NPT BM                  | 1    |
| 810-1369        | FLEXLINE, 5/8" X 18.00" LONG   | 2    |
| 810-1669        | ADAPTER, 5/8"O.D. X 1/2"FEMALE | 1    |
| 108-0649        | HEATER ASSY, 120V 25W STRIP    | 1    |
| 811-0746        | TAPE,ALUM 2"x50YD COMPAC 120-6 | 0.01 |
| 816-0093        | GASKET, PUMP/MOTOR             | 1    |
| 108-0490        | HARNESS, CMP BOX TO FLTR PUMP  | 1    |
| 813-0608        | Coupler, 1/2 x 1/2"            | 1    |
| 819-6447        | Instructions                   | 1    |

1. Disconnect power from the fryer.
2. Remove the filter pan and lid.
3. Remove the fryer from the hood.
4. Detach the waste hose from the RTI waste solenoid valve assembly. **See Figure 2.**
5. Attach provided 1/2" T-fitting to the RTI waste valve with T up. Reattach waste hose.
6. Disconnect the flexlines and adapters from the pump.
7. Loosen the four bolts securing the pump to the motor and remove the pump assembly. Remove the 90° street elbows from the pump and discard.
8. Bend or cut the pump mounting platform to accommodate the downward facing V-shape pump. See Figure 3.
9. Reattach flex line adaptors to the pump.
10. Rotate the pump 90 degrees so that the "V" part of the pump is facing down.
11. Reattach the pump using the provided gasket. Torque pump bolts to 15-foot pounds. Do not over-tighten.
12. Wrap the provided heat tape around the pump, securing with provided aluminum tape. Route the power lines to the left side control box, attaching to the line side of any 120V transformer.



**Figure 1:** Original configuration

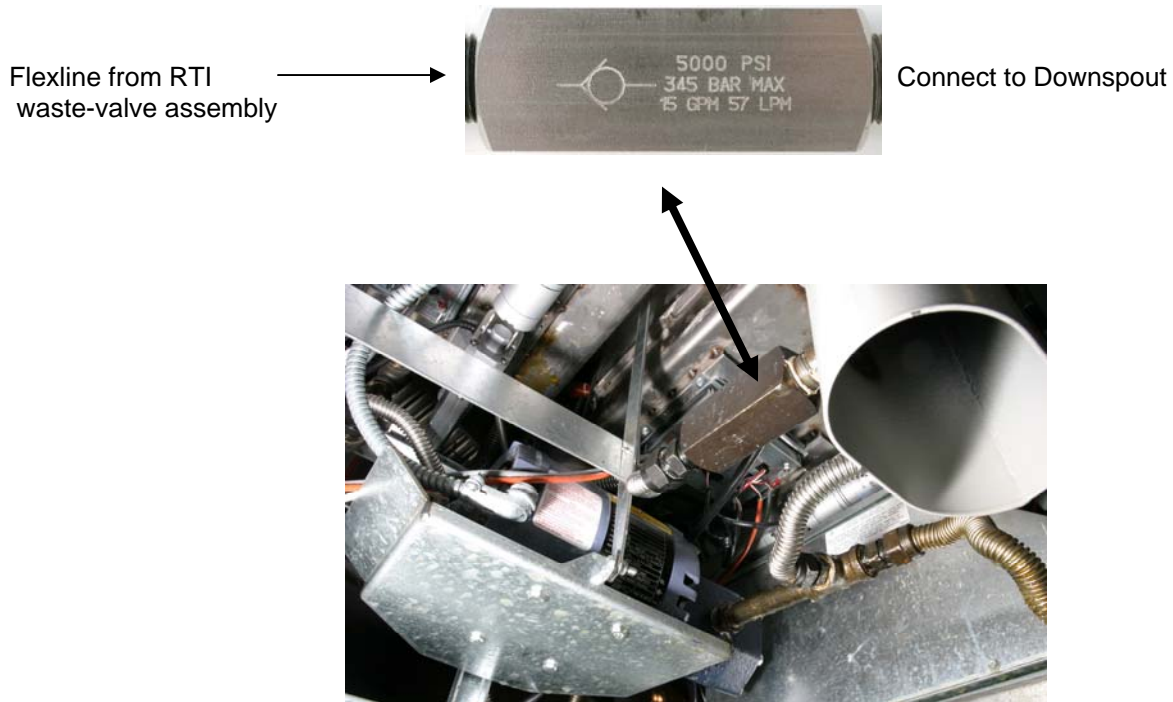


**Figure 2:** A provided T is inserted in the waste oil line. The T provides a connection point for a flexline leading to the new bypass valve on the drain downspout.



**Figure 3:** The platform holding the pump must be notched or bent to accommodate the downward facing V-shape of the repositioned pump.

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**Figure 4:** The graphic on the downspout bypass valve indicates pressure against the checkvalve. It should be installed as shown, toward the incoming line.

13. Reattach the flexlines to the pump.
14. Remove the downspout over the drain pan and replace it with the provided downspout with the provided bypass valve attached. Ensure the bypass valve is aligned with the graphic as shown in **Figure 4**.
15. Route provided flexline from the newly installed T on the waste oil valve to the bypass valve on the downspout.
16. Reinstall the filter lid and pan.