

# PRELIMINARY

## Technical Instructions TI 1127 Installing Crossover Washer OPL Liquid Supply Kit

**CAUTION:** THESE INSTRUCTIONS ARE INTENDED TO ASSIST QUALIFIED, EXPERIENCED SERVICE PERSONNEL ONLY! IMPROPER SERVICING OF MACHINERY MAY RESULT IN HAZARDOUS CONDITIONS, PERSONAL INJURY, OR DAMAGE TO PROPERTY. PERSONS NOT TRAINED, OR PERSONS UNFAMILIAR WITH ELECTROLUX AND WASCOMAT LAUNDRY MACHINES, SHOULD REFER SERVICING TO QUALIFIED PERSONNEL.

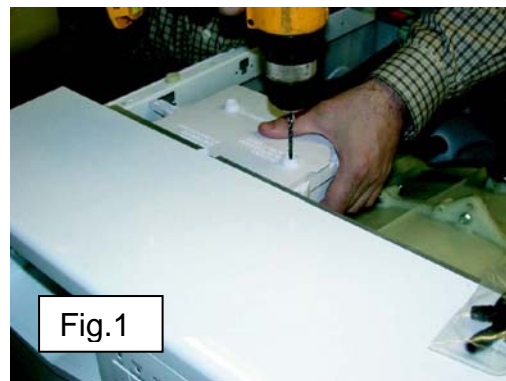
### **PARTS REQUIRED:**

Kit 096445 containing:

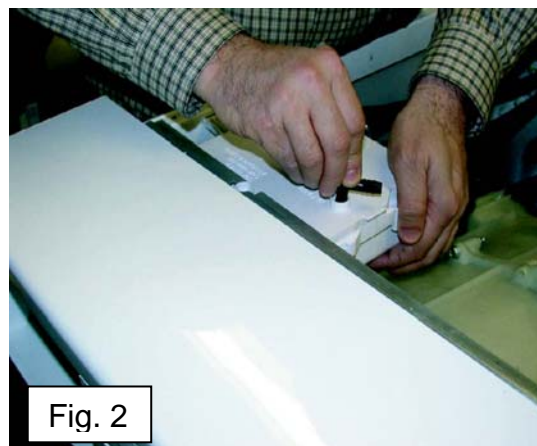
- 3 barbed "L" fittings
- 2 Electrical fitting adapter washers
- 1 Trigger signal harness
- 1 Coin vault / card bay opening cover

### **INSTRUCTIONS:**

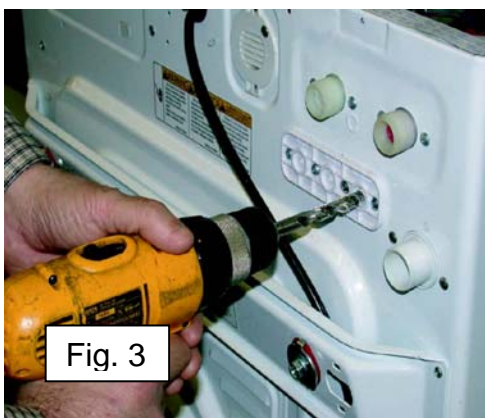
1. Unplug washer from the electrical supply.
2. Remove the machine's top panel.
3. Support the soap dispenser housing and carefully drill 1/8" pilot holes in the center of those chemical ports on the top of the dispenser (Fig. 1) that are intended for use.
4. Use a 13/32 or 10 mm bit to enlarge the pilot holes that were drilled in step 3. (Fig. 1). Do not use other sizes of bits for this step.



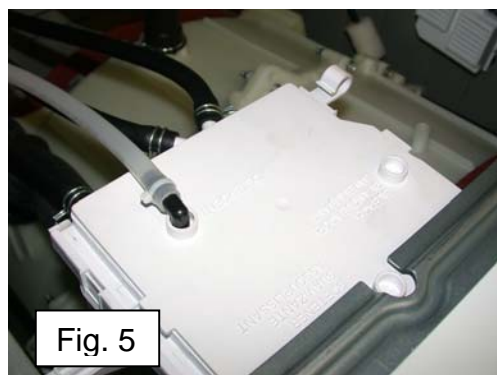
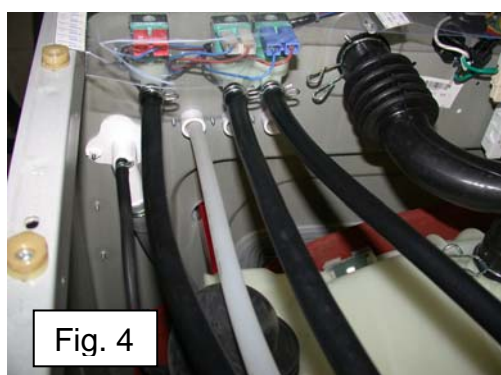
5. Support the soap dispenser housing and firmly push the 3 elbow fittings from the kit into the drilled holes, until they are fully inserted. (Fig. 2). Note that although the fittings can move freely in the holes, they will lock in place, and cannot be removed with reasonable force.



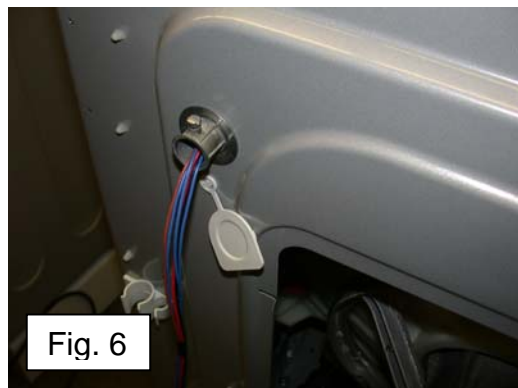
6. Drill a 1/8" pilot hole through the corresponding number of chemical-tube entry holes on the back of the machine (Fig 3).



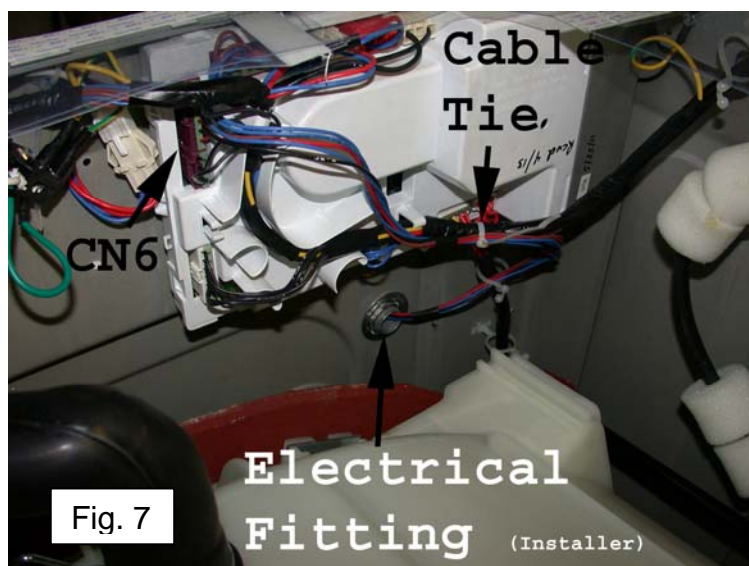
7. Using an appropriate bit, enlarge the holes drilled in step 6, to allow the chemical supply tubing to easily enter the machine (Fig 3)..
8. Push chemical supply hoses through the drilled holes and connect them to the exposed ends of the barbed "L" fittings on the detergent dispenser. Secure them with clamps or cable ties (Fig. 4 & 5).



9. Assemble the two fitting-adapter washers from the kit, using a  $\frac{3}{4}$ " electrical knockout fitting (supplied by installer) in the hole in the back cabinet through which the top-left (viewed from the rear) shipping security screw was installed.
10. Feed the liquid supply harness leads through the  $\frac{3}{4}$ " electrical knockout fitting, and into an appropriate external protective wireway (EMT, metallic sheath, or other code-compliant wireway) to the liquid supply pump (Fig. 6). NOTE: It is the installer's responsibility to ensure that installation methods comply with all applicable codes.



11. Plug the liquid supply harness into connector CN6 located at the top-left vertical edge (viewed from front of machine) of the power module inside the washer (Fig. 7).



12. Re-install the top panel of the machine.

13. Follow the pump manufacturer's instructions to complete installation of the pump, using the leads in the trigger signal harness from the machine as follows:

RED wire:     PREWASH SIGNAL  
BLACK wire:   MAINWASH SIGNAL  
BROWN wire:   THIRD RINSE SIGNAL  
BLUE wires:   COMMONS

14. When pump installation has been completed, restore power to the washer and use the Service Mode to prime the chemical pumps. Check for leaks, and flush the detergent dispenser to remove any residual chemicals.

15. Replace top panel and return the machine to service.



### Instructions for Installing Crossover Time of Day Pricing Feature

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#### **ALWAYS DISCONNECT ELECTRICAL POWER BEFORE SERVICING EQUIPMENT!!**

##### **Parts required:**

- 1 each 096496 timer and power supply kit for each 15 machines.
- 1 each 096501 relay and harness kit per machine.

##### **Instructions:**

1. Disconnect electrical power from washer(s).
2. Remove the top panel from each machine.
3. Mount the price reduction relay in the top-most hole alongside the power cord inside the back panel of the machine (Fig. 1).
4. Route the harness from the relay connector as shown in Fig. 1, and secure it to the machine's main harness on the power module. Continue routing the BLUE price-reduction harness (with connector) to the front control console of the washer, securing it in each cable clamp and using cable-ties, as needed, to avoid contact with all moving parts (Fig. 2).
5. Connect the price reduction harness' connector to the 3-pin connector behind the control console (Fig.3 ).
6. **!! CRITICAL STEP !! Secure and tuck all wires so that they cannot be contacted by moving parts of the machine during operation.**



Fig. 1



Fig. 2



Fig. 3



7. Route the remaining two-wire harness (12VDC for relay activation) out of the rear of the machine, through the hole in the back panel from which the shipping securities were removed during machine installation. Be sure to route the wire through the cable clamps inside the washer, and secure it to the stem of the cap outside the machine (Illustrations 4 & 5), to protect the harness against contact with moving parts in the machine.

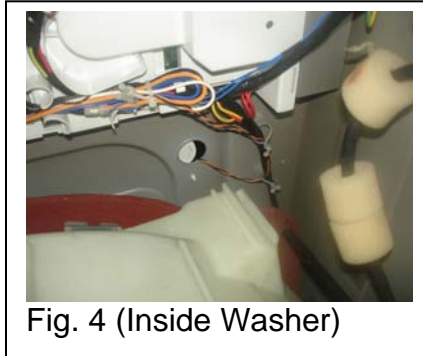


Fig. 4 (Inside Washer)

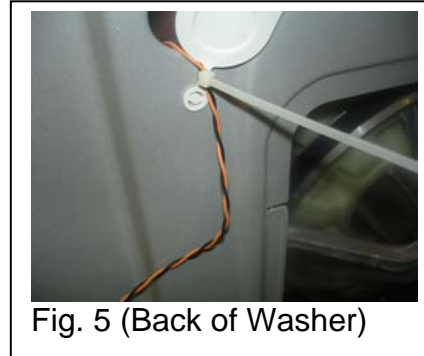


Fig. 5 (Back of Washer)

8. Connect all of the 12VDC harnesses together in “Daisy Chain” fashion behind the washers, using the large crimp cap splicing connectors provided in each 096501 kit.
9. Run two leads from the first machine in the daisy-chain to a **secure location** (back office, for example) using not more than 75 feet of #18AWG alarm system wire.
10. Connect the end of this wire pair to the two screw terminals on the power supply provided in the 096496 kit.
11. Plug the power supply into the digital timer provided in the kit, and plug this stacked pair into a 120V receptacle.
12. Follow the instructions provided with the timer to manually TURN ON the timer’s output. The LEDs on the timer and on the power supply will light up.
13. Re-install the washer top panels, and restore power to the machines.
14. At each washer, enter the SERVICE MODE, and navigate to register 40. The LED above the HOT program button should be on. This indicates that the PRECE REDUCTION input on the washer’s control is activated.
15. At each washer, enter the desired price discount as a percentage, as follows:
  - a. Press the service button in the coin vault.
  - b. Press BOTH the Heavy Soil and Extra Rinse buttons at the same time. The display shows 3 digits, the right-two of which represent the discount that will be applied when the price-reduction function is active.
  - c. Press the START button.

- d. Press the DELICATE (increase) or the HOT (decrease) buttons to set the desired discount percentage.
- e. Press the START button to save the new value.
- f. Press the service button in the vault to exit service mode.
- g. The display should now show the appropriated discounted price for each program, rounded to the next higher "COIN 1" value.

16. Following the instructions provided with the timer, program the system to activate the discount at the desired times.

Contact Laundrylux Technical Support at 516-371-0700 if you have questions regarding these instructions, or for further assistance.

### System Diagram:

