

INSTRUCTION SHEET

FOR ADDING A SECOND TRANSFORMER/POWER SUPPLY TO LANCER ICE COOLED DROP IN DISPENSERS (LANCER PN 82-2776 / CCUSA 29358)

1. INSTALLATION INSTRUCTIONS

The following procedure is used to add a second power supply to Lancer drop in dispensers for the purpose of separating the dispensing valve power circuit into two (2) independent circuits, each powered by its own 75 VA power supply. Refer to the wiring diagram (Figure 1) for details.

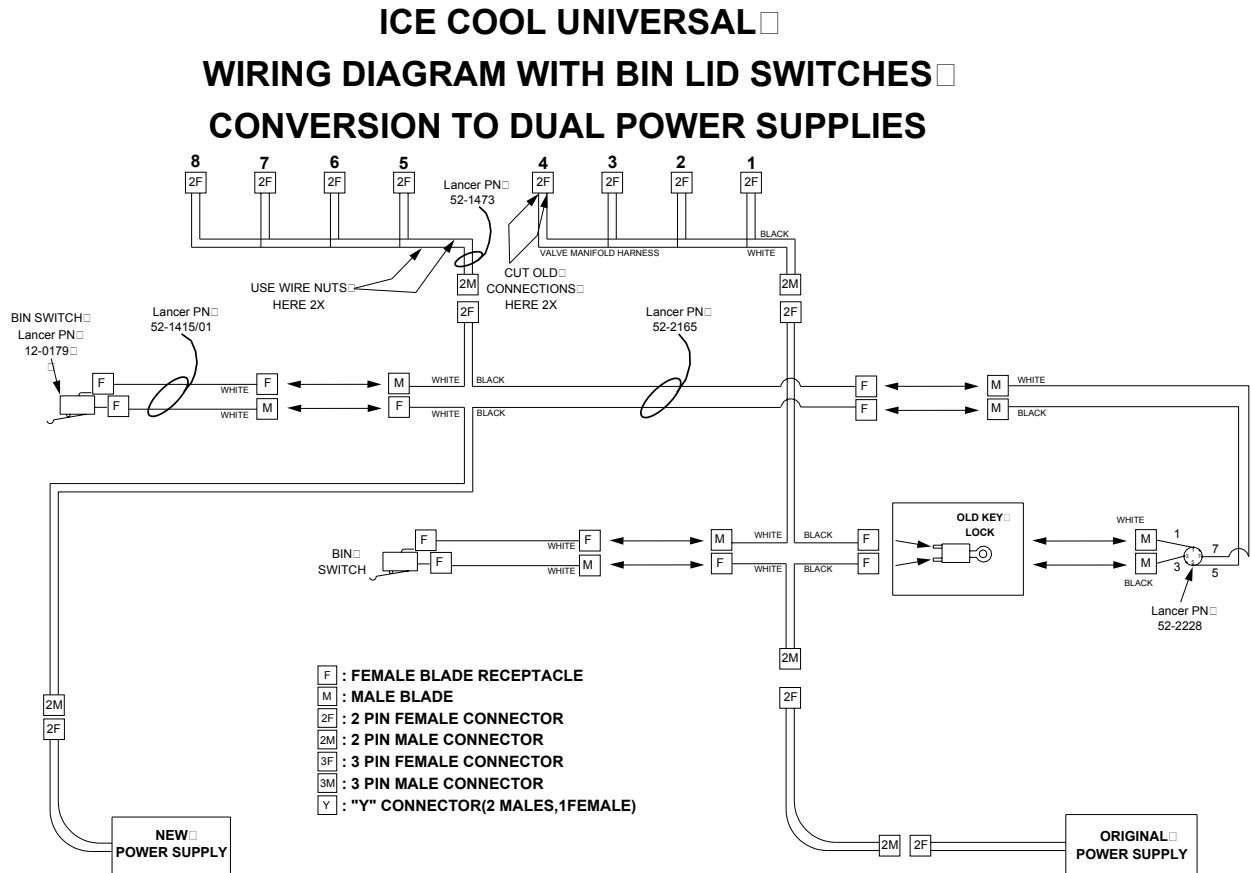


Figure 1

- 1.1 Disconnect power to the dispenser by unplugging the existing power supply from the wall outlet.
- 1.2 Depressurize the soda/water circuit and the syrup circuit to valve #5 (from right).

NOTE

Refer to the plumbing diagram located adjacent to the inlet fittings.

- 1.3 Remove the tower cap from the dispenser.
- 1.4 Disconnect #5 valve from the power harness. Remove the valve from the mounting block and the mounting block from the faucet plate.
- 1.5 Gently pry the protective plastic grommet around the tower harness from the faucet plate.

LANCER

6655 LANCER BLVD. • SAN ANTONIO, TEXAS 78219 USA • (210) 310-7000

FAX SALES

• NORTH AMERICA – 210-310-7245 • INTERNATIONAL SALES – 210-310-7242 • CUSTOMER SERVICE – 210-310-7242 •
 • LATIN AMERICA – 210-310-7245 • EUROPE – 32-2-755-2399 • PACIFIC – 61-8-8268-1978 •

FAX ENGINEERING: • 210-310-7096

"Lancer" is the registered trademark of Lancer • Copyright — 1999 by Lancer, all rights reserved.

DATE: 05/28/99
 P.N.: 28-0430

- 1.6 Using needle nose pliers or other suitable tool, gently pry the harness up between the foamed manifold and the back of the faucet plate.
- 1.7 Using a de-pinning tool, remove the terminal pins from the terminal housing.
- 1.8 Being careful, cut only the black wire and white wire that go to valve #4 as close to the terminal pins as possible (*do not cut the black wire and white wire that go to valve #6*). If you cannot remove the terminal pins from the terminal housing, be sure to insulate the exposed wires with electrical tape. Strip the insulation from the ends of the black wire and the white wire that go to valve #5.
- 1.9 Install the supplied extension wire harness (Lancer PN 52-1473) down the right hand side of the tower, adjacent to the existing harness.
- 1.10 Using the supplied wire nuts (Lancer PN 11-0007), connect the black wire from valve #5 to the black wire on the extension harness (Lancer PN 52-1473). Then connect the white wire from valve #5 to the white wire on the extension harness (Lancer PN 52-1473).
- 1.11 Disconnect the two female spade connectors from the key switch and remove the key switch.
- 1.12 Mount the new double pole key switch assembly (Lancer PN 52-2228) in the existing key position.
- 1.13 Remove the existing bin switch screws and stack the new bin switch (Lancer PN 12-0179) and the existing bin switch on screws (Lancer PN 04-0752). Connect the wire harness (Lancer PN 52-1415/01) to the new bin switch (use the existing bin switch for reference).
- 1.14 Re-install the dual switch assembly in the original mounting location and tighten.
- 1.15 Connect the new wire harness (Lancer PN 52-2165) and existing wire harness (Lancer PN 52-1503) from the new key switch to the valve harness in the tower. Make sure that both harnesses are connected to both the bin switch and the key switch. Connect the female terminals from the existing harness to the spade (male) Terminals 1 and 3. Connect the female terminals from the new harness to the spade (male) Terminals 5 and 7.
- 1.16 Connect the new power supply (Lancer PN 82-1103) to the two-pin connector on the extension harness and connect the AC power to both power supplies.
- 1.17 Using a voltmeter connected to the black wire and white wire at the valve harness for #4 valve, verify that 24VAC power is available at valve. Similarly, connect the voltmeter to harness for valve #5 and verify 24VAC power for valve #5.
- 1.18 Without re-pressurizing the system, verify that all valves are functional.
- 1.19 Check that all electrical connections are secure and properly insulated.
- 1.20 Replace the wire grommet in the faucet plate and re-mount the valve mounting block.
- 1.21 Re-connect valve #5 to the harness and the mounting block.
- 1.22 Re-attach the tower cap.
- 1.23 Re-pressurize the system and verify that all circuits are functioning properly.

Item	Lancer Part Number	Description	Quantity Provided
1	12-0179	Bin Switch	1
2	04-0752	Screw, Bin switch	2
3	11-0007	Wire Nuts	2
4	52-2165	Harness, Valve to Switches	1
5	52-2228	Key Switch Assy, Double Pole	1
6	82-1103	Power Supply	1
7	52-1415/01	Wire Harness, Bin, Switch, IC	1
8	52-1473	Harness, Hook Up	1



Please refer to the Lancer web site (www.lancercorp.com) for information relating to Lancer Installation and Service Manuals, Instruction Sheets, Technical Bulletins, Service Bulletins, etc.