AC-LC1

Liquid Cooler Dispenser

Service Manual

SureShot® DISPENSING SYSTEMS

simply innovative

D-19-159 Rev A

AC-LC1
Liquid Cooler Dispenser

SureShot liquid cooler

FEATURES

- Sanitary
- Designed for up to 8" (20 cm) cup height
- Compact countertop design
- Easy plug and play countertop installation
- One year on-site warranty
- Stainless steel construction

- A/C Supply Voltage: 110 V AC
  60 Hz
  1 ph
  .15 amp

SureShot® DISPENSING SYSTEMS

SureShot Technical Assistance Center
1-888-777-9990 or 902-865-9602

service@sureshotdispensing.com
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TABLE OF CONTENTS

LIQUID COOLER DISPENSER
OPERATIONS MANUAL

Important: Read this Manual now and retain it for future reference

THE DISPENSER

The SureShot Dispensing Systems® AC-LC1 Liquid Cooler Dispenser is a simple, effective and efficient tool for cooling hot liquids. In less than three minutes two pots of hot liquid, such as coffee, hot chocolate or tea, can be cooled by simply pouring the hot liquid in the top of the dispenser. In seconds it is ready to dispense. Up to five pots can be held and available for use.

MAIN COMPONENTS

AC-LC1

Lid
Top Tank (Input)

Green LED Indicator Light
Flashing: Product is cooling
Solid: Dispenser is powered and ready for use
Not illuminated: No power

Top Front Panel

Product Level Indicator Window

Bottom Tank (Hold)

Dispense Lever

Dispense Faucet

Power Switch
Circuit Breaker

Bottom Front Panel

SPECIFICATIONS

Weight:	30 lbs/14 kg (empty) 50 lbs/23 kg (full)
Dimensions (LxWxH):	20" x 9" x 24"
Capacity:	Top Tank: 3.6 Liters/ 1 Gallon Bottom Tank: 9.0 Liters/ 2.5 Gallons

OPERATING INSTRUCTIONS

Refer to the Operations Manual for operating instructions.

SERVICING AND WARRANTY

Standard warranty is one year, on-site parts and labour.
Access to USA and Canada-wide Technical Service Network.

The Warranty will be null and void if the dispenser is serviced by unqualified personnel. Under warranty, service technicians must be approved and dispatched by the SureShot Technical Assistance Center.

Contact the SureShot Technical Assistance Center at 1-888-777-9990 or 902-865-9602 for approval.

The customer is responsible for all costs not approved by SureShot Dispensing Systems®.

RESHIPMENT

If packaging is not available, it may be purchased from the SureShot Parts Department by calling 1-888-777-9990 or 902-865-9602.

Ensure pieces which may shift in transit are secured using masking tape.

No returns will be accepted without prior approval. Obtain a Return Materials Authorization (RMA) number by contacting the SureShot Technical Assistance Center at 1-888-777-9990 or 902-865-9602.

TROUBLESHOOTING

Using this Manual

Within each troubleshooting section procedures are listed in the order that they should be performed. When following the provided instructions for troubleshooting, once the issue has been diagnosed and corrected, there is usually no need to continue down the numbered list.

To order replacement parts, refer to the Service Parts List on page 24. Replacement parts can be ordered by contacting the SureShot Technical Assistance Center at 1-888-777-9990 or 902-865-9602.

Note: *The Serial Number, Model Number and Option Code of this dispenser are located on the Product Identification Label on the outside of the dispenser. Please refer to these numbers when contacting the SureShot Technical Assistance Center. These numbers are crucial in helping us provide prompt and effective service. This will save you time.*

Tools Required

All recommended service procedures can be performed with the following list of tools.

- Small and medium sized Phillips screwdrivers
- 2x 7/16" wrenches
- 9/16" wrench
- Pliers
- Multimeter
- Food-grade silicone seal/gun

Safety Precautions

- Always plug the dispenser into an approved electrical outlet.
- Unplug the dispenser from its electrical source before servicing.
- Do not immerse the dispenser in water.
- Observe all safety precautions with this dispenser that you would with any electrical appliance.

Problem

1. Dispenser does not turn on. Refer to Main Electrical, page 4.
2. Green LED light is not on. Refer to LED Not On or Not Flashing, page 5.
3. Green LED does not stop flashing. Refer to LED Flashes Continuously, page 5.
4. Dispenser does not dispense liquid. Refer to Operations Manual.
5. Hot Product is coming out of lower tank. Refer to Product Temperature, page 6.
6. Liquid leaking in or around the dispenser. Refer to Leaking, page 8.

Main Electrical

1. Turn ON power switch.
2. Check that green LED is on.
3. Ensure dispenser is plugged into an active power source. If power source does not have power, have a qualified person check your facility's fuse box or circuit breaker to restore power.
4. Ensure dispenser's circuit breaker has not tripped.
   No white should be showing. If white is showing on the top of the breaker, it is tripped.
   a. Turn OFF power switch.
   b. Locate and depress the circuit breaker below the power switch to make sure it has not tripped. It will make a clicking noise when depressed.
   c. Turn ON power switch.
5. Check PCB.
   a. Remove back panel to gain access to electrical enclosure.
   b. Check that at least one LED on PCB is lit.
   c. If LEDs are not lit red, ensure all wires and cables are connected to the PCB as per Wiring Diagram on page 23.
6. Unplug dispenser.
7. Check for continuity of the circuit breaker and switch individually. Replace any damaged components.
8. Check for continuity of all wires from the switch and circuit breaker to the PCB. Replace any intermittent cable assemblies.
9. Connect all cable assemblies as per Wiring Diagram on page 23.
10. Plug in dispenser.
11. Turn ON power switch.
12. Check that at least one LED on PCB is lit. Replace PCB if no LEDs are lit. See page 11 for instructions.

LED Not On or Not Flashing

1. Remove back panel.
2. Ensure heat exchanger is in contact with spring contact (green wire ground) on shelf.
3. Ensure LED connector is plugged into PCB.
4. Remove black connector from PCB at LED1 position. Using multimeter set to DC voltage setting, measure voltage between the two pins on LED1. Reading should be 17V. Replace PCB if there is a different reading.
5. Check that the wires are correctly installed in the connector as per Wiring Diagram on page 23: red in position 1 (top position) and white in position 2 (bottom position).
6. Check the resistance in the cable assembly connection from PCB to LED.
   a. Using multimeter set to resistance, reading should be 2 MΩ with positive lead to red wire.
   b. Reverse the probes and multimeter should read open circuit on white wire.
7. Ensure proper wiring connections at the LED. Red to red, white to white.
8. Check the continuity of the LED cable assembly. Replace cable assembly if continuity is intermittent. See page 15 for instructions.
9. Replace LED if it still does not light. See page 12 for instructions.

LED Flashes Continuously

Check if LED has stopped flashing after each step.

1. Is there product in the top tank? Refer to *Slow Flowing Product*, page 6.
2. Turn dispenser power switch OFF and then back ON.
3. Check the electrode.
   a. Remove bottom tank and gently lift up on the electrode without touching the sides of the dispenser.
   b. Remove hand from electrode.
4. Remove the back panel.
5. Disconnect the electrode cable connector that is plugged into PCB (yellow and green wires).
6. Dry off the heat exchanger, wet hoses and cable assemblies inside of dispenser.
7. Replace the electrode cable assembly. See page 18 for instructions.
8. Replace PCB. See page 11 for instructions.

Solenoid

1. Turn ON power switch.
2. Remove the back panel.
3. Press the up/down switches on PCB simultaneously. The solenoid should activate and water will flow through the clear hose or an audible click sound should be heard.
4. Turn OFF power switch.
5. Ensure both grey wires are connected to the solenoid.
6. Ensure grey wires are connected to SOL1 and SOL2 on the PCB.
7. Disconnect the 2 grey wires from the SOL1 and SOL2.
8. Using a multimeter, connect to the grey wires that were connected to the PCB and measure the resistance. This value should be .8KΩ ± .03KΩ. If the reading is something other than this, replace the solenoid valve/regulator assembly.
9. Using a multimeter set on AC voltage; attach probes to SOL1 and SOL2 on the PCB.
10. Turn ON power switch.
11. Press the up/down switches on PCB simultaneously. The voltage reading should be 120V or line voltage.
12. Turn OFF power switch. Reconnect the 2 grey wires to SOL1 and SOL2 on PCB.
13. Press the up/down switches on PCB simultaneously. The LED (D2) on the PCB should light up. Replace the PCB assembly if the LED (D2) does not light up.
14. If solenoid is turning on but water is not flowing through the clear hose, check the screen inside the solenoid valve as it may be clogged with impurities. Replace the solenoid valve/regulator assembly. See page 17 for instructions.
15. Refer to Main Electrical, page 4.

Electrode

1. Remove the lower tank.
2. Ensure that the electrode is installed.
3. Place your finger on the electrode and touch the body of the dispenser. The solenoid should turn on and water should flow through the clear hoses. The green LED on the front of the dispenser should also flash.
4. Remove the back panel.
5. Ensure electrode cable is connected to PCB (yellow and green wires).
6. Check that the wires are correctly installed in the connector as per Wiring Diagram on page 23. Green in position 1 (top position) and yellow in position 2 (bottom position)
7. Ensure proper wiring connections at the elbow electrode and to the shelf ground. Yellow to electrode, green to shelf ground.
8. Check that at least one LED on PCB is lit. This will indicate that the dispenser is getting power to the PCB.
9. Remove black connector from PCB at EL1 position. Using multimeter set to DC voltage setting, measure voltage between the two pins on EL1. Reading should be 5V. Replace PCB if there is a different reading.
10. Check the cable assembly continuity for both wires. Replace the electrode cable assembly if the cable is intermittent. See page 19 for instructions.
11. Replace the electrode with a spare electrode located in the spares kit attached to the electrical enclosure. The electrode may have scaled up.
12. Pour approximately a half pot of product into the top tank. Product should deflect off the electrode and make the LED flash and solenoid activate.
13. Refer to *Main Electrical* on page 4.

Product Temperature

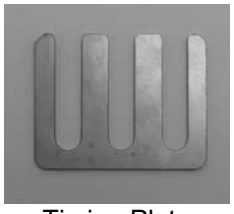
Does the green light flash when product is poured into top tank?

YES, the green light flashes when product is poured into the top tank. Refer to Source Water Supply on page 7.

NO, the green light does not flash when is poured into the top tank. Refer to Slow Flowing Product on page 6.

Slow Flowing Product

1. Ensure top tank drain is not blocked. Example: Plug used for cleaning procedure.
2. Remove back access panel.
3. Ensure non-clear hoses are not twisted, kinked, pinched off or blocked.
4. Ensure heat exchanger is in contact with spring contact (green wire ground) on shelf.
5. Remove the timing plate and pour approximately half a pot of product into top tank. Watch the product coming out of elbow into lower tank. The product should be deflecting off the electrode. Take note if product impurities come out. The LED and water should turn on. Install the timing plate back onto the hose in same position and location as it was removed from. Default position is 1.


Timing Plate

6. Perform destaining and sanitizing procedures on dispenser. There may be build-up of product impurities inside the system which is not letting the heat transfer correctly.
7. Refer to Electrode on page 6.
8. Refer to Solenoid on page 5.
9. Replace heat exchanger. See page 20 for instructions. Contact SureShot Technical Assistance Center for a replacement heat exchanger.

Source Water Supply

1. Ensure source water is flowing when product is poured into top tank.
2. Ensure source water supply is attached to back of dispenser.
3. Check temperature of the product in the lower tank.
4. Check temperature of the source water.
5. Refer to heat exchanger performance chart below to determine whether source water temperature is cause of issue.

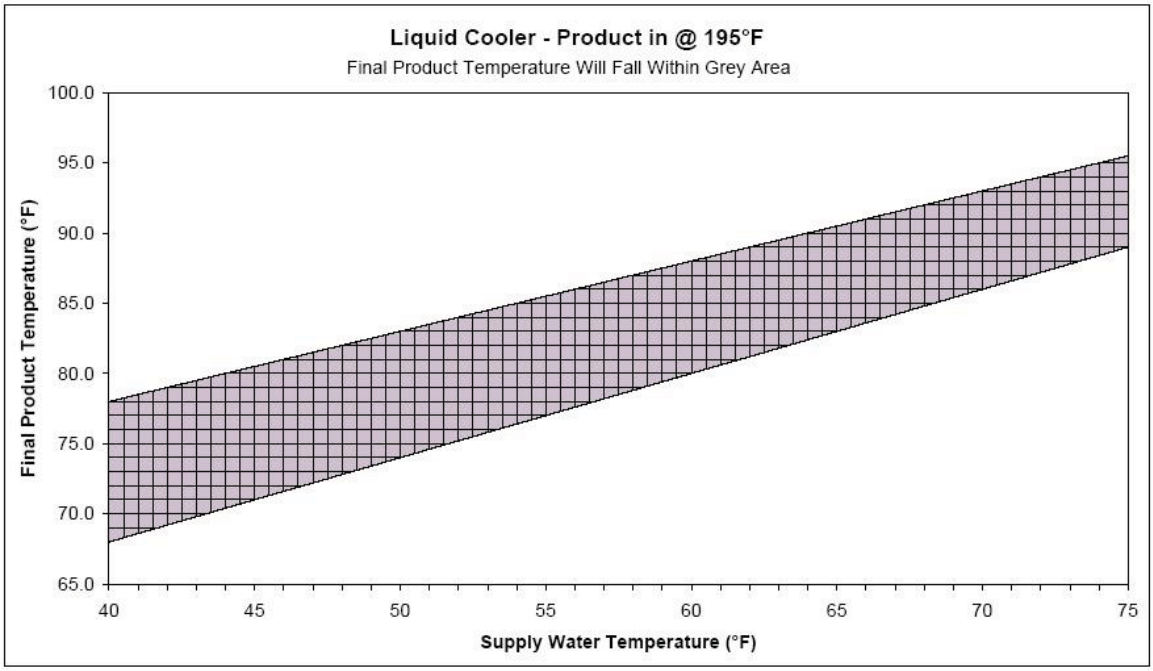


Figure 1

6. Source water supply pressure must be above 15 PSI.
7. Ensure the source water supply line is not twisted, kinked, pinched off or blocked.
8. Ensure drain water hose is not twisted, kinked, pinched off or blocked.
9. Remove back panel.
10. Check that none of the clear hoses inside the dispenser are twisted, kinked, pinched off or blocked to restrict the flow of cooling water.
11. Press the up/down switches on PCB simultaneously. LED (D2) on PCB should light up.
12. Refer to Source Water Supply Leak on page 8.
13. Perform destaining and sanitizing procedures on dispenser. There may be a build up product impurities inside the system which restrict proper heat transfer.
14. Refer to Solenoid on page 5.
15. Replace heat exchanger. See instructions on page 20. Contact SureShot Technical Assistance Center for a replacement heat exchanger.

Leaking

If the liquid is clear like water, refer to Source Water Supply Leak on page 8.
If the liquid is product-colored, refer to Product Leak on page 9.

Source Water Supply Leak

All clear hoses are source water supply lines.

1. Determine where leaking is occurring by checking all fittings and hose clamps attached to the clear hoses.
2. Remove back panel to investigate clear hoses inside of dispenser.
3. Tighten clamps and fittings as necessary.

Note: Turn off source water supply prior to removing hoses or replacing fittings.

Leak Around Barbed Section of Fitting (Water)

1. If the leak is determined to be around barbed section of fitting
   a. Tighten hose clamp(s) where leak is located.
   b. If leak persists
      i. Remove clear hose from the leaking barbed section.
      ii. Cut off approximately 1" of clear hose.
      iii. Reinstall clear hose onto barbed fitting with hose clamp.
   c. Replace hose clamp(s).
   d. Replace the fitting(s).
2. If the leak is determined to be on the barbed section of the solenoid
   a. Remove the clear hose from the barb.
   b. Using fine grit sandpaper, sand the barbed section of the solenoid to clean up the sealing surface.
   c. Reinstall clear hose and hose clamp.
3. If leak persists, replace the solenoid valve assembly. See page 17 for instructions.

Leak Around Threaded Section of Fitting (Water)

1. If the leak is determined to be around the threaded section of a fitting(s) or component(s)
   a. Tighten the fittings more if the NPT fitting has more threads available.
   b. If leak persists
      i. Remove the fitting and existing Teflon tape. Reapply Teflon tape, approximately 5 wraps.
      ii. Reinstall the fitting and tighten into position.
   c. Replace the fitting or component if leak cannot be repaired. Replacement fittings attached to clear hoses are not required to be food grade material.

Product Leak

All non-clear hoses are product lines.

1. Check if product was spilled during pouring into the top tank.
2. Ensure not more than 2 pots of product were poured into the top tank at a time.
3. Check if bottom tank overflowed.
4. Determine where the leaking is occurring.
    a. Check all fittings and hose clamps attached to the non-clear hoses.
    b. Remove back panel to investigate non-clear hoses inside of dispenser.
    c. Check lower tank fittings and components.

Note: To determine where the leaks are on the product lines, product will have to be poured into the top tank.

Leak Around Barbed Section of Fitting (Product)

1. If the leak is determined to be around barbed section of fitting
    a. Tighten hose clamp(s) where leak is located.
    b. Adjust the hose on the barb to improve the seal.
2. Replace hose clamp(s).
3. Replace fitting(s). Must be food grade material. Contact SureShot Technical Assistance Center for replacement fittings.
4. Replace the hose section. Must be food grade material. Contact SureShot Technical Assistance Center for replacement hose.

Leak Around Threaded Section of Fitting (Product)

1. If the leak is determined to be around the threaded section of a fitting(s) or component(s)
    a. Tighten the fittings more if the NPT fitting has more threads available.
2. If leak persists
    a. Remove the fitting and existing Teflon tape. Reapply Teflon tape, approximately 5 wraps.
    b. Reinstall and tighten the fitting or component.
3. Replace the fitting or component if leak cannot be repaired. Replacement fittings on product side must be food grade material. Contact SureShot Technical Assistance Center for replacement fittings or components.
4. If the threads on the tank are damaged and do not seal with the fitting, the tank should be replaced. Contact SureShot Technical Assistance Center for a replacement tank.
5. The dispense faucet is leaking around the threads.
    a. Remove the dispense faucet by unscrewing counter clockwise.
    b. Remove the gasket and inspect for damage.
6. Remove the gasket and inspect for damage. *Figure 56.*
    a. If gasket appears to be in good condition, go to the next step. If replacement gasket is required, contact SureShot Technical Assistance Center for part.
        i. Install gasket into coupler and thread faucet into coupler.
    b. Tighten faucet clockwise until the gasket is felt.
    c. Continue to tighten faucet until lever orientation is correct, but not more than ¾ of full turn.

REMOVE AND INSTALL COMPONENTS

Replacement Parts

To order replacement parts, refer to the Service Parts List on page 24. Replacement parts can be ordered by contacting the SureShot Technical Assistance Center at 1-888-777-9990 or 902-865-9602.

Top Tank Assembly Removal and Installation

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6

1. Unplug dispenser. *Figure 2.*
2. Remove back panel by removing the six (6) Phillips screws. *Figure 3.*
3. Use caution as there will be liquid in the heat exchanger. Liquid may be hot.
4. Remove top tank by disconnecting plumbing from back top tank. *Figure 4* and *Figure 5.*
5. Install top tank and silicone with food grade silicone on 3 sides. Back side of top tank does not require silicone. *Figure 6.*
6. Install back panel with the six (6) Phillips screws.

PCB Removal and Installation

Figure 7

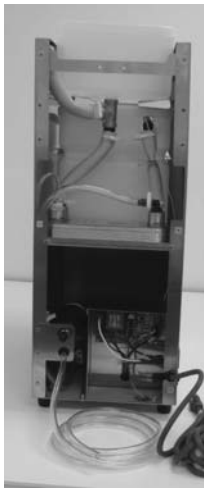


Figure 8

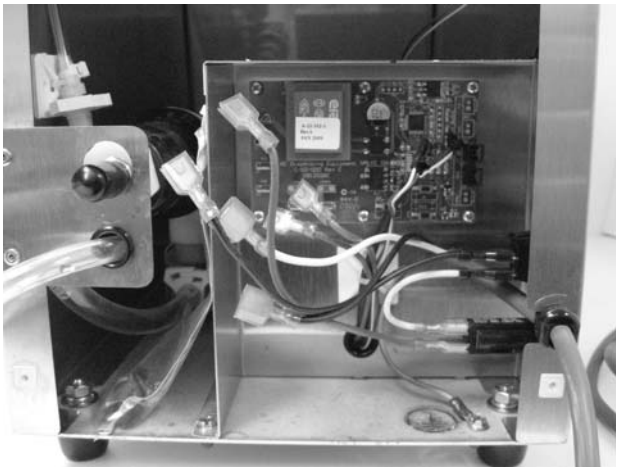


Figure 9

Figure 10

1. Unplug dispenser. *Figure 7*.
2. Remove back panel by removing the six (6) Phillips screws. *Figure 8.*
3. Disconnect all cables from the PCB. *Figure 9*.
4. Remove the PCB by removing the six (6) Phillips screws. *Figure 10.*
5. Reverse the steps for PCB installation.

LED Removal and Installation

Figure 11

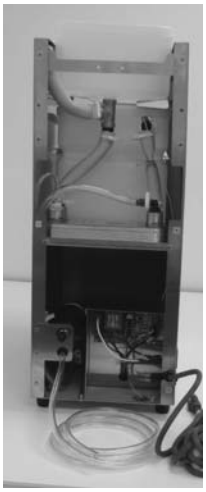


Figure 12

Figure 13

Figure 14

1. Unplug dispenser. *Figure 11.*
2. Remove back panel by removing the six (6) Phillips screws. *Figure 12.*
3. Use caution as there will be liquid in the heat exchanger. Liquid may be hot.
4. Disconnect plumbing from back of top tank. Remove tank. *Figure 13 and Figure 14.*

Figure 15

Figure 16

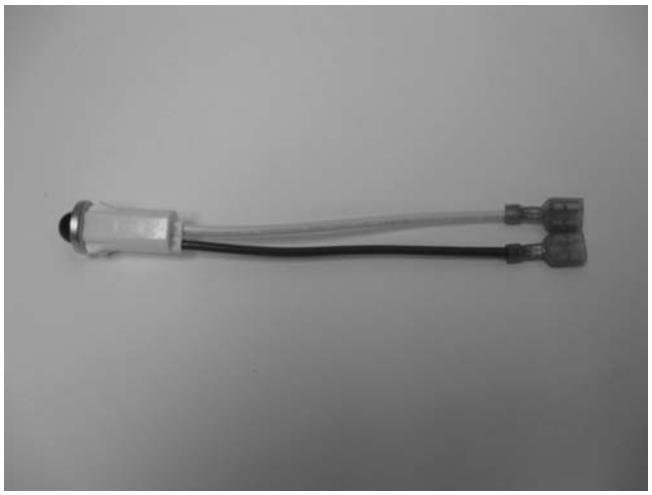


Figure 17

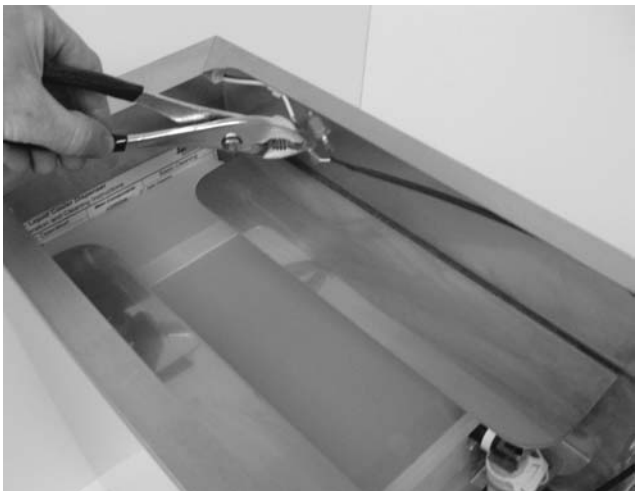


Figure 18

5. Disconnect red and white LED cable wires from LED connection. *Figure 15.*
6. Snap off the front plastic lens section of LED and pull out LED. *Figure 16.*
7. Install new LED. *Figure 17.*
8. Connect LED to LED cable assembly. Red to red and white to white. *Figure 18.*
9. Plug in dispenser to active power source.
10. Turn ON power switch.

Figure 19

Figure 20

11. Press the up/down switches on PCB simultaneously. LED (D2) on PCB should light up. *Figure 19.*
12. Press the up/down switches simultaneously. Check that LED flashes on the front of the dispenser. *Figure 19.*
13. Turn OFF power switch.
14. Install top tank and silicone with food grade silicone on 3 sides. The back side of top tank does not require silicone. *Figure 20.*
15. Install back panel with the six (6) Phillips screws.

LED Cable Assembly Removal and Installation

Figure 21

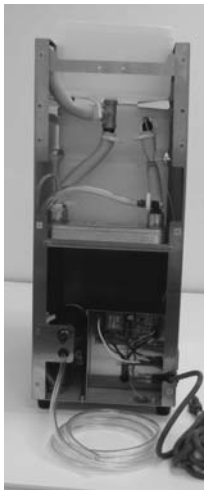


Figure 22

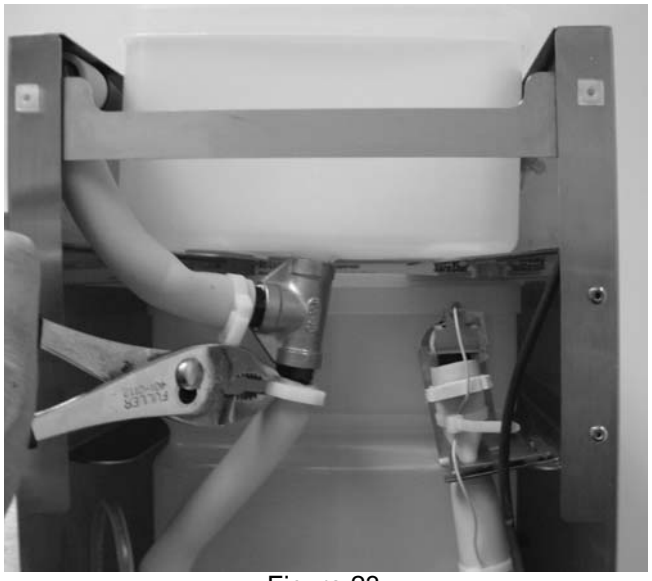


Figure 23

Figure 24

1. Unplug dispenser. *Figure 21.*
2. Remove back panel by removing the six (6) Phillips screws. *Figure 22.*
3. Use caution as there will be liquid in the heat exchanger. Liquid may be hot.
4. Remove top tank by disconnecting plumbing from back top of tank. *Figure 23* and *Figure 24.*

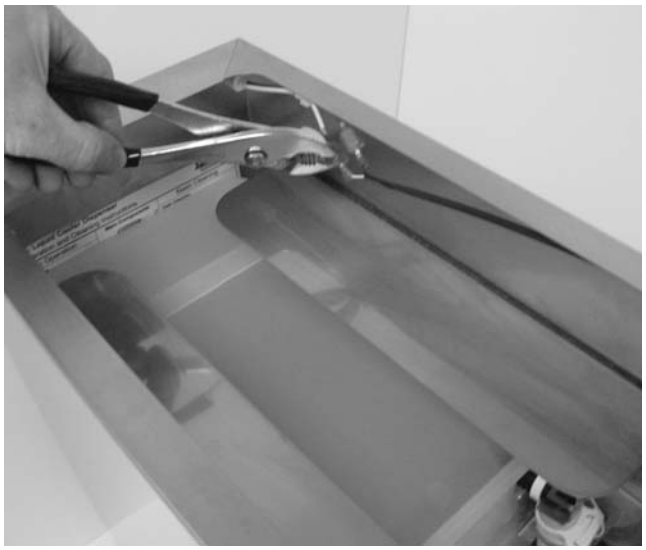


Figure 25

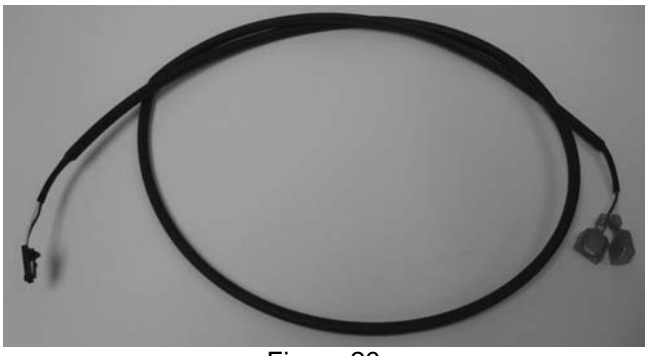


Figure 26

Figure 27

Figure 28

5. Disconnect both ends of the LED cable assembly (red and white wires). *Figure 25.*
6. Remove the cable assembly from the cable holders. *Figure 26.*
7. Connect both ends of the replacement LED cable assembly.
8. Route cable the same as the removed cable.
9. Plug the dispenser into an active power source.
10. Turn ON power switch.
11. Press the up/down switches on PCB simultaneously. LED (D2) on PCB should light up. *Figure 27.*
12. Press the up/down switches on PCB simultaneously. Check that LED flashes on the front of the dispenser. *Figure 27.*
13. Install top tank and silicone with food grade silicone on 3 sides. Back side of top tank does not require silicone. *Figure 28.*
14. Install back panel with the six (6) Phillips screws.

Solenoid Valve Assembly Removal and Installation

Figure 29

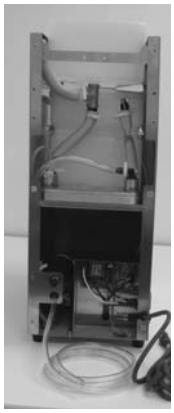


Figure 30

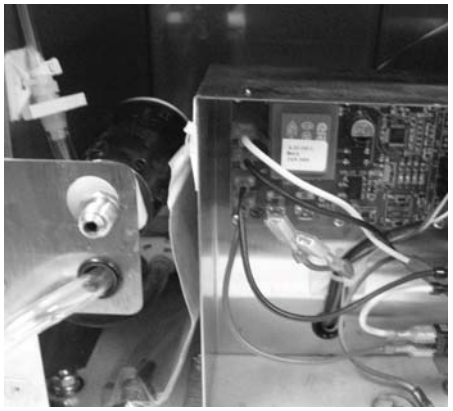


Figure 31

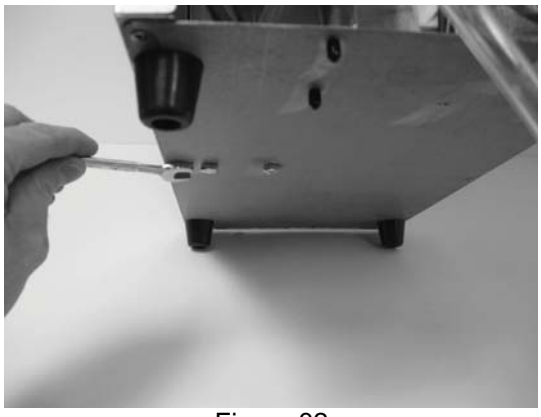


Figure 32

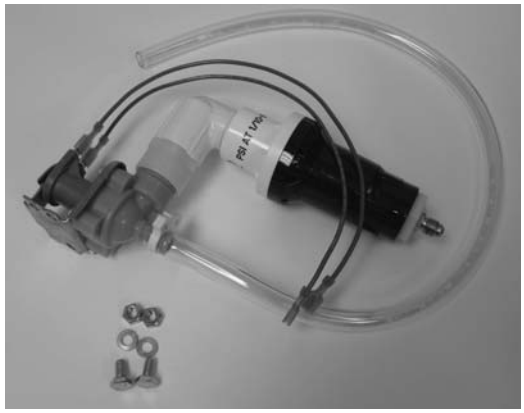


Figure 33

1. Unplug dispenser. *Figure 29.*
2. Turn off source water supply.
3. Disconnect the source water supply line from back of dispenser.
4. Remove back panel by removing the six (6) Phillips screws. *Figure 30.*
5. Disconnect grey wires from the PCB. *Figure 31.*
6. Cut cable tie located inside the electrical enclosure holding the grey wires in place.
7. Disconnect 3/8" clear hose from 90º fitting in heat exchanger by removing hose clamp.
8. Using two (2) 7/16" wrenches, remove the two (2) bolts installed into the base plate and solenoid bracket. *Figure 32.*
9. Remove the solenoid valve assembly. *Figure 33.*
10. Transfer the two (2) grey wires to the new solenoid valve assembly. *Figure 33.*
11. Reverse the steps for solenoid valve assembly installation.

Electrode Removal and Installation

Figure 34

Figure 35

Figure 36

Figure 37

1. Unplug dispenser. *Figure 34.*
2. Remove lower tank from compartment to gain access to electrode. *Figure 35.*
3. Remove the electrode from elbow assembly. *Figure 36* and *Figure 37.*
4. Install new electrode into elbow assembly*. Figure 37.*
5. Replace lower tank.
6. Turn ON power switch.

Electrode Cable Assembly Removal and Installation

Figure 38


Figure 39


Figure 40


Figure 41


Figure 42


Figure 43

1. Unplug dispenser. *Figure 38*
2. Remove back panel by removing the six (6) Phillips screws. *Figure 39.*
3. Disconnect electrode cable from PCB (yellow and green wires). *Figure 40.*
4. Cut cable tie located inside the electrical enclosure holding the yellow and green wires.
5. Remove the 2 releasable cable ties on right hand side non-clear hose. *Figure 41.*
6. Disconnect the yellow wire from connector located on elbow. *Figure 41.*
7. Disconnect the green wire from connector attached below the shelf. *Figure 42.*
8. Remove cable assembly. *Figure 43.*
9. Reverse the steps for electrode cable assembly installation.

Heat Exchanger Removal and Installation

Figure 44

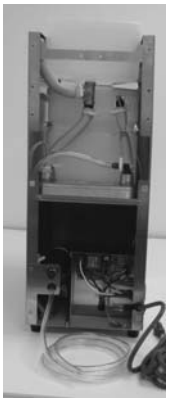


Figure 45

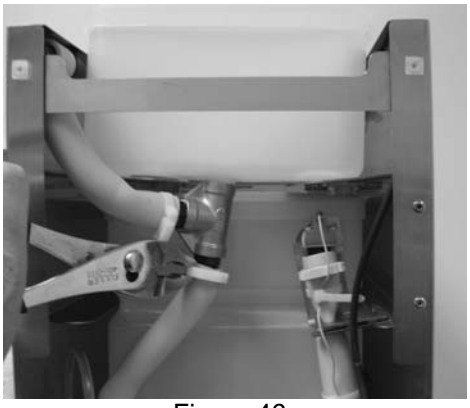


Figure 46


Figure 47


Figure 48

1. Unplug dispenser. *Figure 44.*
2. Remove back panel by removing the six (6) Phillips screws. *Figure 45.*
3. Use caution as there will be liquid in the heat exchanger. Liquid may be hot.
4. Remove hose clamp from lower black fitting of top tank to disconnect plumbing. *Figure 46.*
5. Remove the 2 releasable cable ties on right hand side non-clear hose. *Figure 47.*
6. Disconnect the yellow wire from connector located on elbow. *Figure 47.*
7. Disconnect 3/8" clear hose from 90º fitting in heat exchanger by removing hose clamp. *Figure 47.*
8. Disconnect 5/32" clear hose from brass fitting on heat exchanger by cutting cable tie. *Figure 47.*
9. Remove heat exchanger from shelf, lifting upwards to detach the electrode elbow from bracket. *Figure 48.*
10. Reverse the steps for heat exchanger installation.

Heat Exchanger Sub Components Removal and Installation

Figure 49

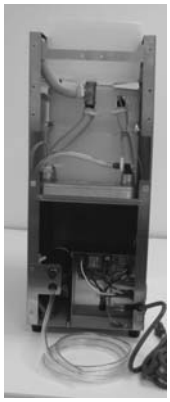


Figure 50

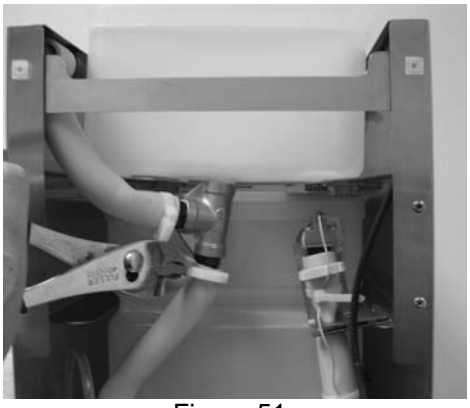


Figure 51


Figure 52


Figure 53

1. Unplug dispenser.
2. Remove back panel by removing the six (6) Phillips screws.
3. Use caution as there will be liquid in the heat exchanger. Liquid may be hot.
4. Disconnect hoses and clamps of parts being replaced.
5. Most fittings are 3/8" NPT thread and 5/8" barb.
6. All fittings must be Teflon taped prior to replacement.
7. Product-side plumbing (non-clear hoses) must be food grade material. Contact SureShot Technical Assistance Center for replacement hoses or components.

Dispenser Faucet and Sub Components Removal and Installation

Figure 54

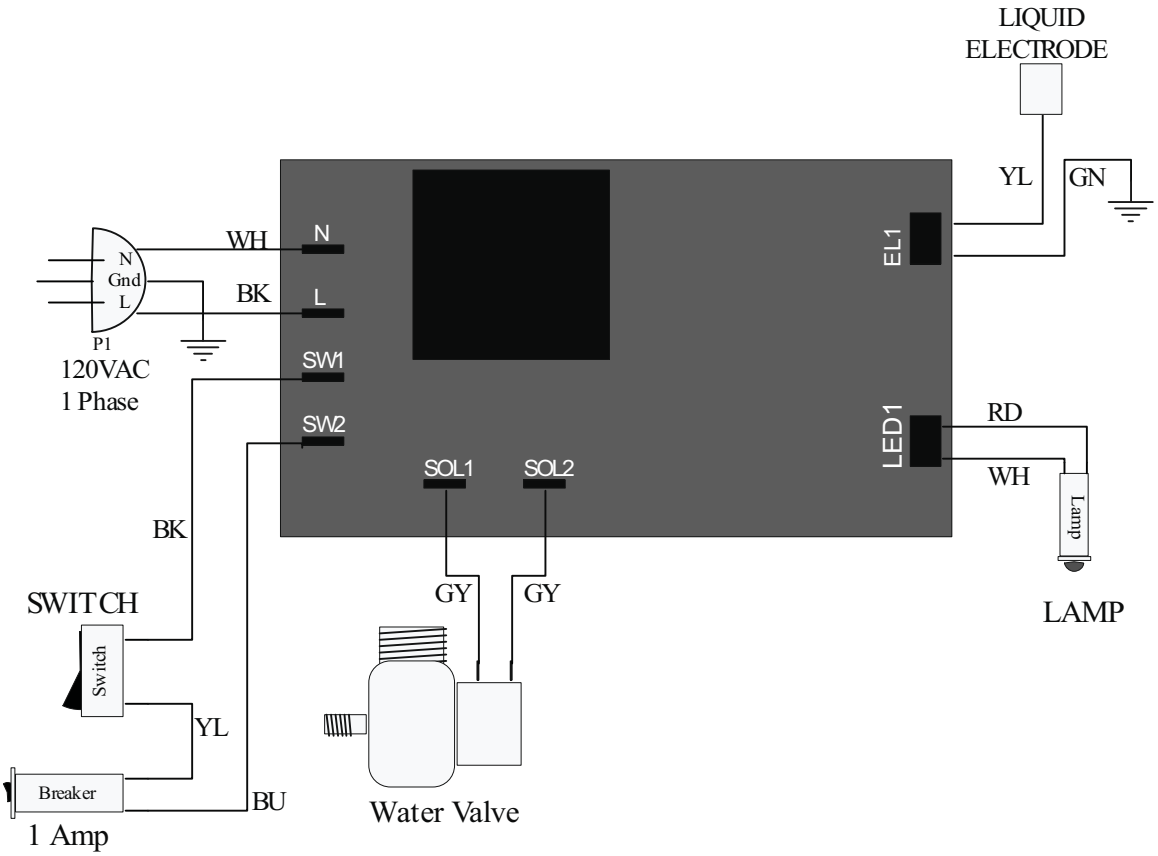

Figure 55


Figure 56

1. Remove top front panel from dispenser. *Figure 54.*
2. Ensure both tanks are empty.
3. Remove the bottom tank assembly from the dispenser. *Figure 55.*
4. Remove the dispense faucet by unscrewing counter clockwise. *Figure 56.*
5. Remove the gasket and inspect for damage. *Figure 56.*
6. If gasket appears to be in good condition, go to step 7. If replacement gasket is required, contact SureShot Technical Assistance Center for part.
7. Install gasket into coupler and thread faucet into coupler.
8. Tighten faucet clockwise until the gasket is felt.
9. Continue to tighten faucet until lever orientation is correct, but not more than ¾ of full turn.
10. Check the tightness of the fittings on the lower tank assembly. Tighten by turning clockwise.

APPENDIX 1

Wiring Diagram



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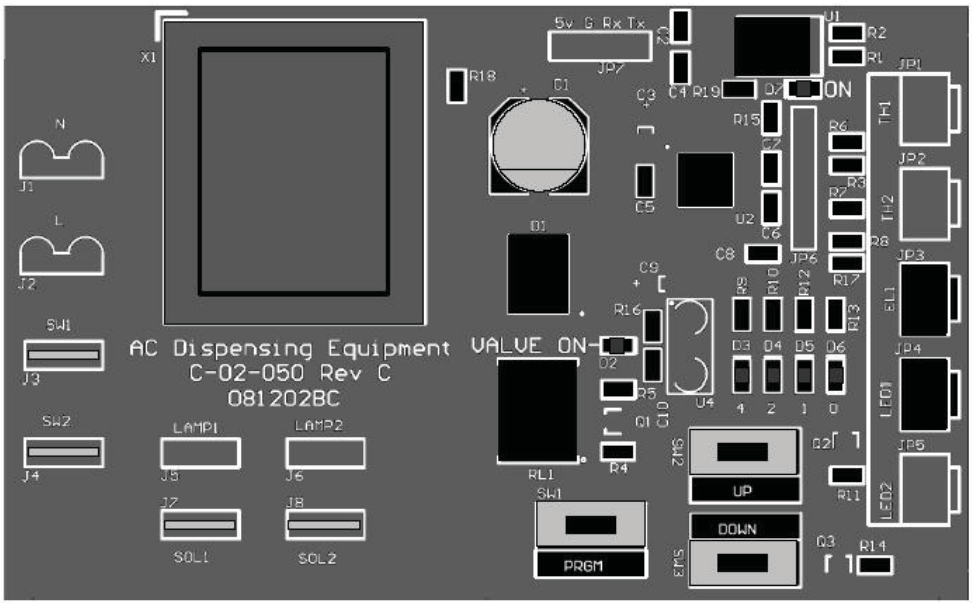


APPENDIX 2

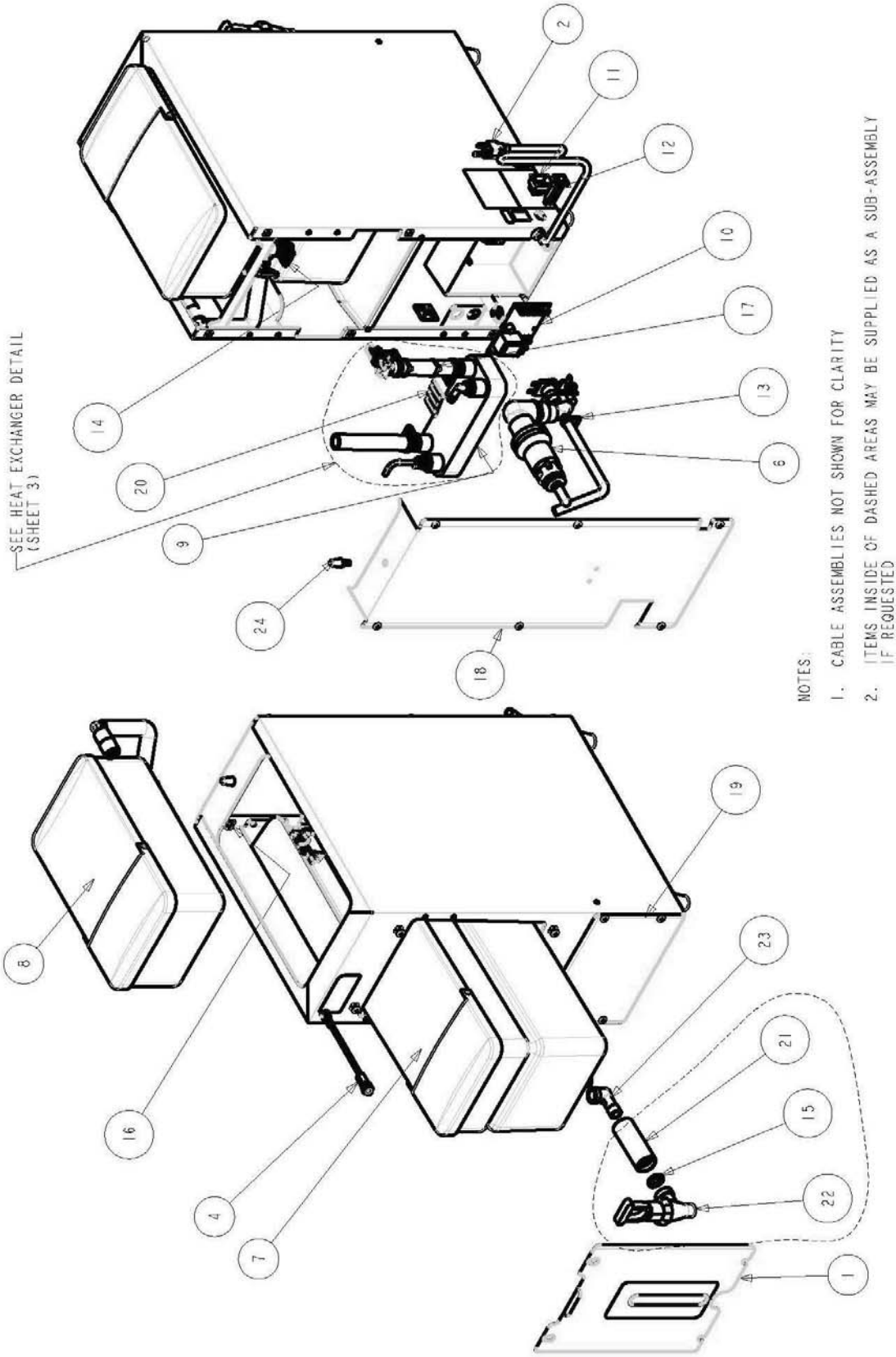
Service Parts List

PART NUMBER MUST BE SUPPLIED
WHEN ORDERING REPLACEMENT PARTS

SERVICE PARTS LIST (AC-LC1)

ITEM	PART NUMBER	DESCRIPTION
1	A-09-078	DOOR ASSY, FRONT, AC-LC1
2	A-10-014	POWER CORD HARNESS ASSEMBLY
3	A-10-068	CABLE ASSY, INTERNAL AC-LC1
4	A-10-069-1	CABLE ASSY, NEON LIGHT, 12 V
5	A-10-071	CABLE ASSY, WATER SENSOR
6	A-13-016-1	WATER SOLENOID ASSY, AC-LC1
7	A-18-022-1	TANK ASSEMBLY, 9L, AC-LC1
8	A-18-022-2	TANK ASSEMBLY, 4L, AC-LC1
9	A-99-115	HEAT EXCHANGER ASSY, AC-LC1
10	C-01-050	PCB ASSEMBLY, CONTROLLER AC-LC1
11	E-08-011	POWER SWITCH, VERTICAL, RECESSED
12	E-14-001-2	CIRCUIT BREAKER, THERMAL, PANEL MOUNT, 1 AMP
13	F-11-002	HOSE CLAMP, 1/2",RATCHET
14	F-11-002-3	HOSE CLAMP, 7/8",RATCHET
15	F-14-047	GASKET,NITRILE, .950Dx.601Dx.13THK
16	F-16-009	WIRE CLIP,1/2",SELF ADHESIVE
17	F-16-011	CABLE TIE, RELEASABLE, 122mm
18	M-01-261	BACK PANEL, AC-LC1
19	M-01-269	PANEL ACCESS COVER, AC-LC1
20	M-02-284	BRACKET, VALVE HOSE PINCH,AC-LC1
21	M-04-196	PLASTIC FAUCET COUPLER
22	M-05-076	NO DRIP FAUCET BLACK
23	M-05-096	FTG, 3/8" NPT STREET ELBOW, 304SS
24	P-99-014	PLUG, TAPPERED RUBBER, EPDM

AC-LC1
(Liquid Cooler)
REFER TO SERVICE PARTS LIST
FOR PART NUMBERS AND DESCRIPTIONS


SEE HEAT EXCHANGER DETAIL (SHEET 3)
NOTES:
1. CABLE ASSEMBLIES NOT SHOWN FOR CLARITY
2. ITEMS INSIDE OF DASHED AREAS MAY BE SUPPLIED AS A SUB-ASSEMBLY IF REQUESTED

HEAT EXCHANGER DETAIL

REFER TO SERVICE PARTS LIST FOR PART NUMBERS AND DESCRIPTIONS

NOTES:

1. ITEMS INSIDE OF DASHED AREAS MAY BE SUPPLIED AS A SUB-ASSEMBLY IF REQUESTED

SERVICE PARTS LIST (AC-LC1- HEAT EXCHANGER)

ITEM	PART NUMBER	DESCRIPTION
---	A-99-115	HEAT EXCHANGER ASSY, AC-LC1
1	A-99-119-1	SPOUT, MOLDED, ELBOW, AC-LC1
2	E-13-137	QK DISCONNECT, 3 WAY, 2 MALE x 1 FEMALE (0.250)
3	F-11-002-1	HOSE CLAMP, 1/4", RATCHET
4	F-11-002-2	HOSE CLAMP, 3/8", RATCHET
5	F-11-002-3	HOSE CLAMP, 7/8", RATCHET
6	F-11-002-4	HOSE CLAMP, 5/8", RATCHET
7	F-16-002	CABLE TIE,.75 DIA.MAX,18LB,3.875D
8	M-02-289	RETAINER CLIP
9	M-05-003P	CLR VINYL TUBING 1/4
10	M-05-074	10 PLATE SS HEAT EXCHANGER,NICKEL BRAZE
11	M-05-083	FTG, 3/8 MPT x 1/4 FPT REDUCER PLASTIC
12	M-05-086	FTG, 3/8" MPT x 5/8" BARB ADAPTER
13	M-05-088	FTG, 1/4" MPT x 3/16" BARB ADAPTER
14	M-05-089	FTG,ELBOW, 3/8" MPT x 3/8" BARB
15	M-05-091	TUBING, NORPRENE, 5/8"IDx7/8"OD
16	M-05-094	TUBING, TYGON, 5/32"IDx7/32"OD
17	M-05-095	FTG, BARB TO BARB REDUCER, 5/32" x 1/4"
18	M-99-040	TERMINAL CRIMP, 0.25" WIDE

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