

Product Identification

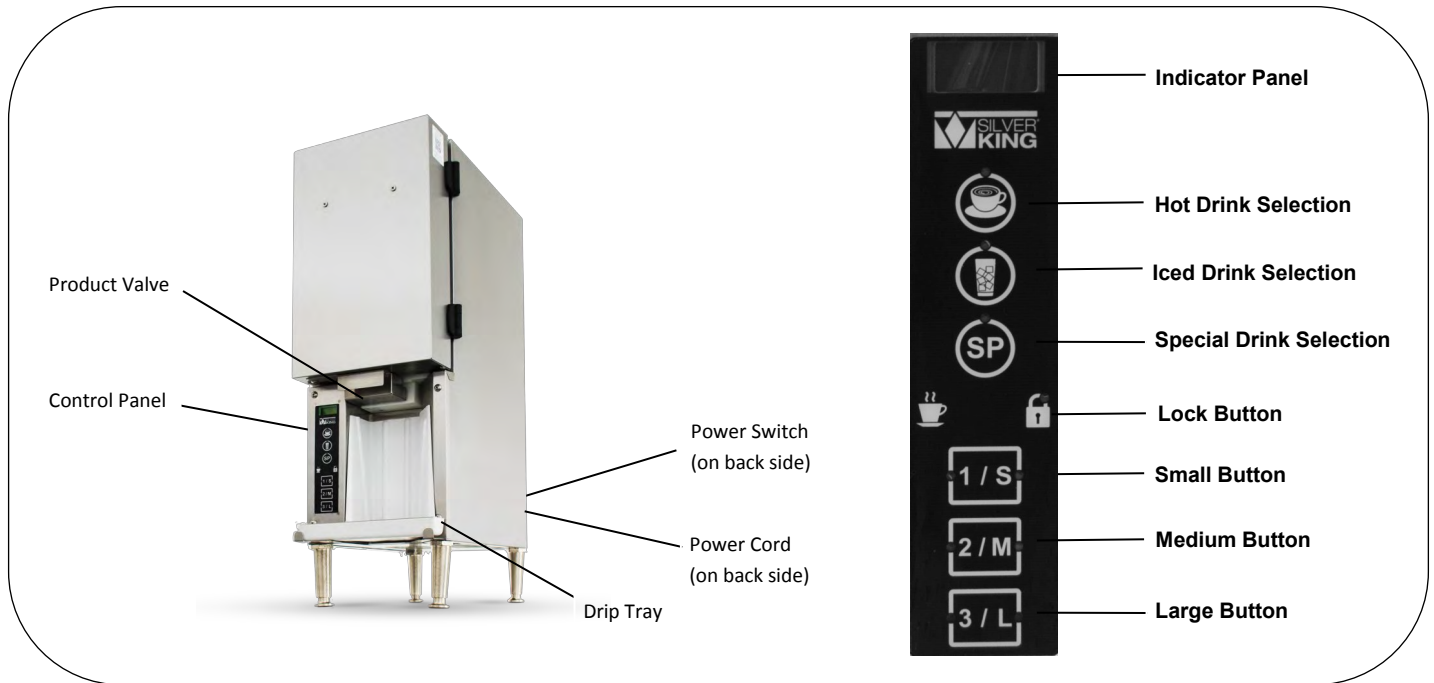


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Warranty Statement

Silver King warrants to the original purchaser of Silver King refrigerated equipment that the equipment shall be free from defects in material and workmanship under normal use and service as outlined in the Technical Manual. This limited warranty shall apply for a period of one (1) year from the date of original purchase. The Compressor will carry an additional four (4) year warranty. All warranties are subject to specific limitations outlined below.

This limited warranty does not apply to repair or replacement required as a result of carelessness, neglect and/or abuse, including improper installation, incorrect voltage supply, tampering with or altering components and/or equipment or failure to perform proper maintenance. Equipment damaged in transit, by fire, flood or an act of God is not covered. This limited warranty does not include freight, handling, installation, labor (following the one (1) year labor warranty period) or other incidental or consequential costs including product and/or economic loss. This limited warranty is in lieu of all other warranties, express or implied, including those of merchantability, and is non-transferable.

Specific provisions of this limited warranty are as follows:

One (1) Year Parts Warranty

Silver King warrants to the original purchaser of new Silver King equipment that such equipment and all parts thereof will be free of defects in material and workmanship, under normal use and service, for a period of one (1) year from the date of original purchase or 25 months from the date of shipment from the factory, whichever comes first, subject to all terms and conditions herein.

This warranty is limited to repairing or replacing any parts that, at Silver King's discretion, are deemed to be defective within the time period covered by this warranty. The warranty does not cover freight or handling charges incurred to replace such parts. Use of non-OEM parts may, at Silver King's discretion, void this warranty. If approved, warranty credit for non-OEM parts will be issued at the OEM cost.

Replacement parts sold separately are warranted for 90-days from date of purchase.

Five (5) Year Compressor Warranty

Silver King warrants to the original purchaser for a period of five (5) years from the date of original purchase or five (5) years and one (1) month from the date of shipment from the factory, whichever comes first, that it will replace the compressor with one of similar design and capacity, exclusive of delivery and installation charges, if it is found to Silver King's satisfaction to be inefficient or inoperative due to defects in material or factory workmanship. It is the owner's responsibility to return the serial plate of the defective compressor or at Silver King's option the complete compressor, to the factory. Failure to do so will void the warranty.

One (1) Year Labor Warranty

Silver King warrants to the original purchaser for a period of one (1) year from the date of purchase or 25 months from the date of shipment from the factory, whichever comes first, a limited service labor warranty on Silver King refrigerated equipment subject to the following terms;

A factory issued Service Authorization Number must be obtained prior to work being performed under the labor warranty. Call your supplier or Silver King. Claims submitted without a Service Authorization Number will be paid at Silver King's discretion.

The labor warranty includes standard straight time labor charges in accordance with Silver King's Labor Warranty Guidelines and reasonable travel time, as determined by Silver King.

The warranty does not cover original installation, startup, normal adjustments or maintenance. Normal adjustments and maintenance include, but are not limited to; temperature control adjustments, temperature indicator calibrations, coil and filter cleaning, condensate drain cleaning.

A second service call for a related failure is not covered.

Use of refrigerants other than specified on the equipment serial plate voids the warranty.

All claims must include; model and serial number of equipment, date of purchase, date of failure, and a copy of the service invoice detailing the defect and service performed. No claim will be processed without this information. All claims must be filed within 60 days from date of service.

Safety Information



WARNING

Indicates information important to the proper operation of the unit. Failure to observe may result in damage to the equipment and/or severe bodily injury or death



CAUTION

Indicates information important to the operation of the unit. Failure to observe may result in damage to the equipment

General Precautions



WARNING

Risk of Electric Shock.

- Always unplug the power cord before servicing the unit or removing the back panel or front apron to avoid electric shock.
- Unit MUST be plugged into a 3-prong plug for grounding. Cutting off the grounding spike on the power cord could result in electric shock to the operator during operation.
- Unit must be plugged into a 15 or 20 ampere fuse- or breaker-protected circuit. Use of a larger fuse or breaker could result in damage to the unit and electric shock to the operator.



WARNING

Moving or Handling Hot Parts.

- Some parts may remain hot even after being unplugged. Always use caution when servicing.



WARNING

Possible Back Injury.

- Assistance in moving this piece of equipment is strongly recommended to avoid injury.
- Always lift with your legs and not your back when lifting this unit.

General

The SK-1-C1 Cream Dispenser is designed to hold and dispense bulk coffee cream. It will dispense three portion sizes – 1 cream packet, 2 cream packets or 3 cream packets.

Important

Silver King reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

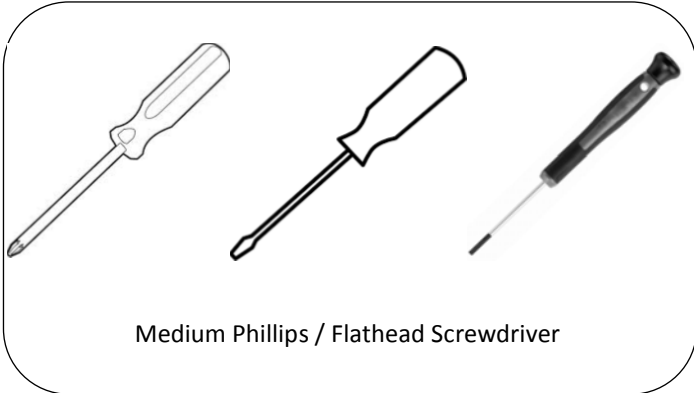
Electrical Specifications

115V 60 Hz 1 Phase



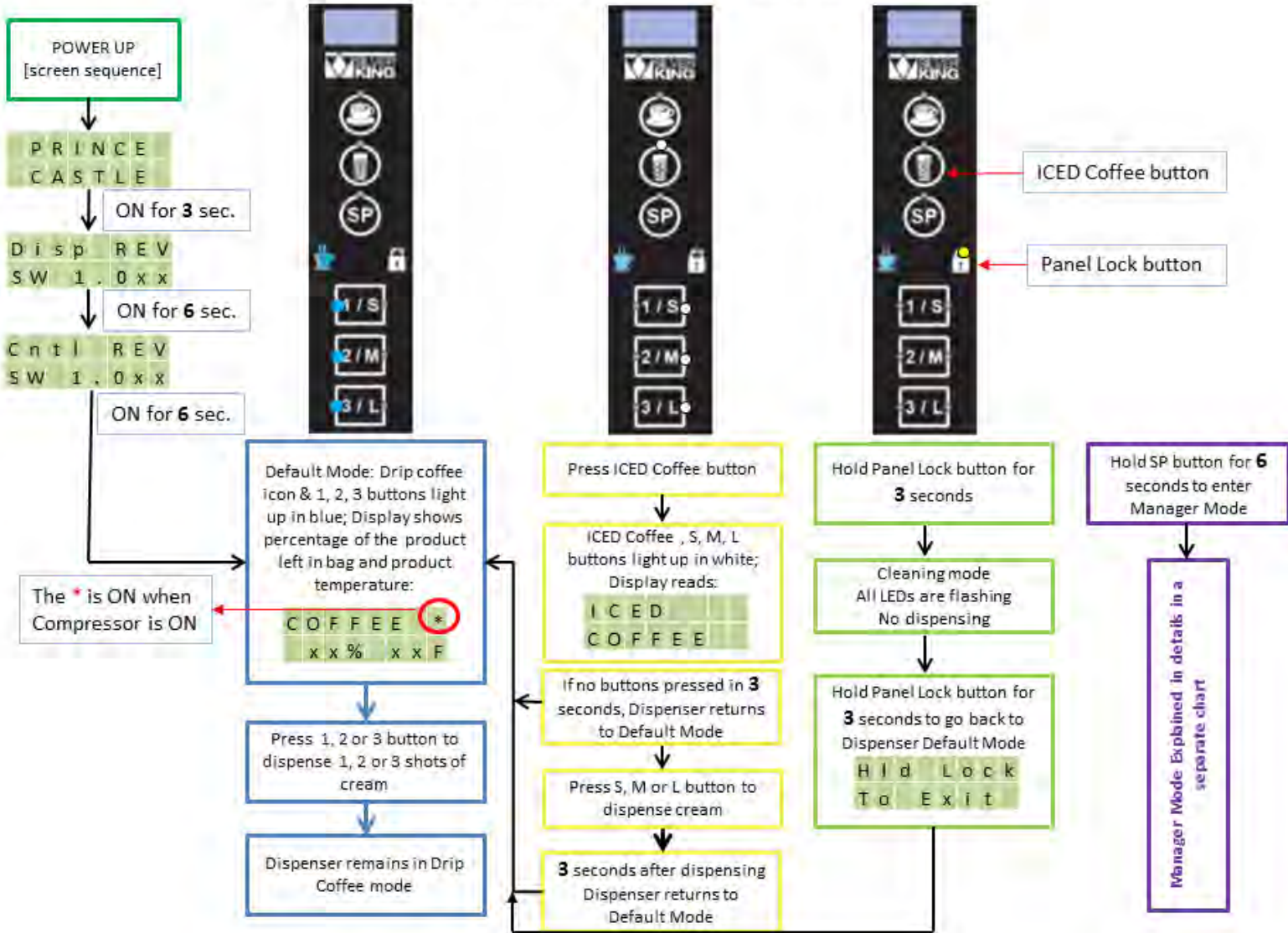
WARNING: This product can expose you to chemicals including lead, which are known to the State of California to cause cancer, birth defects, or other reproductive harm.

Tools Required

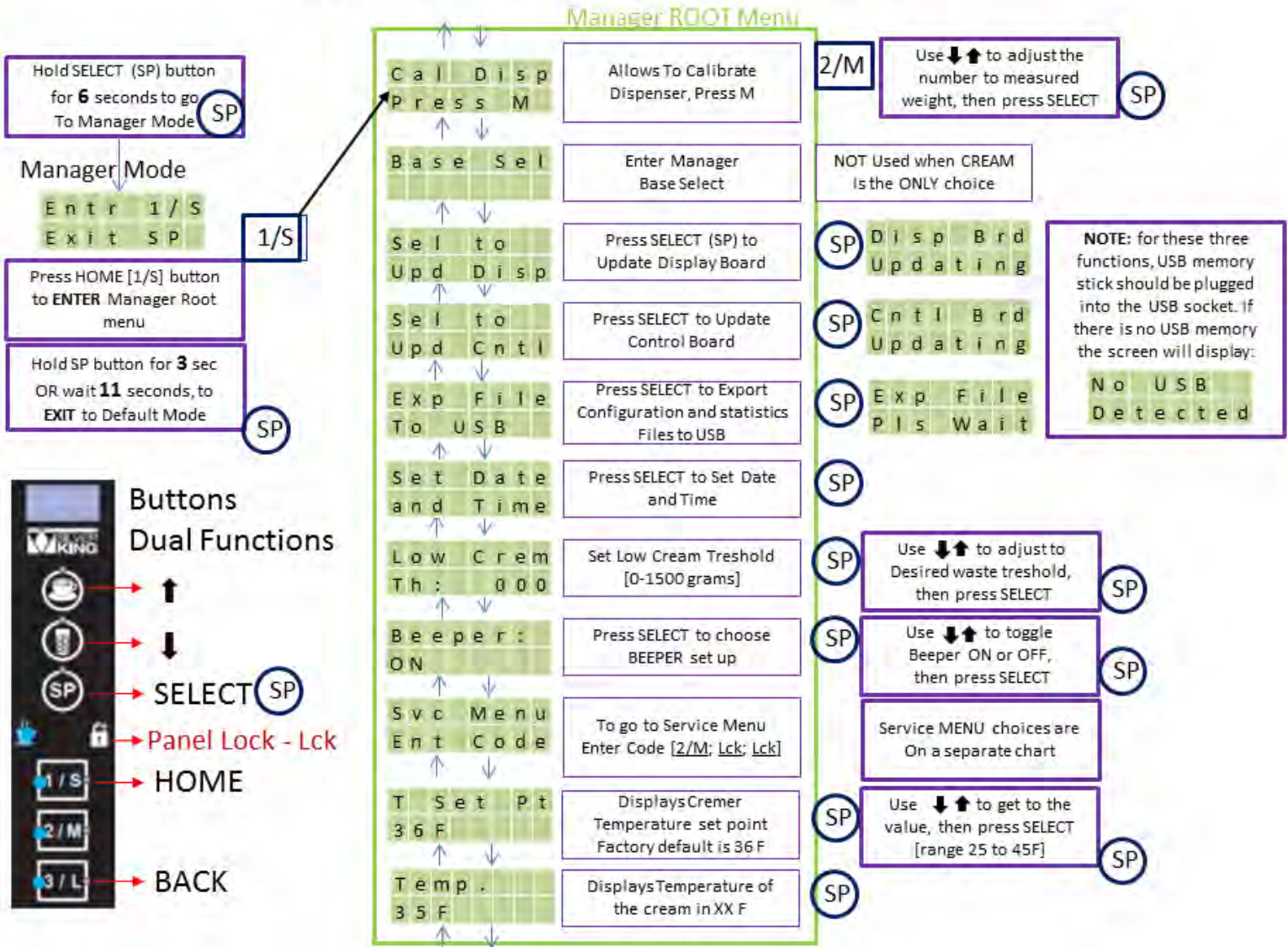


Operational Flowchart

Silver King Cream Dispenser – Operational Flowchart

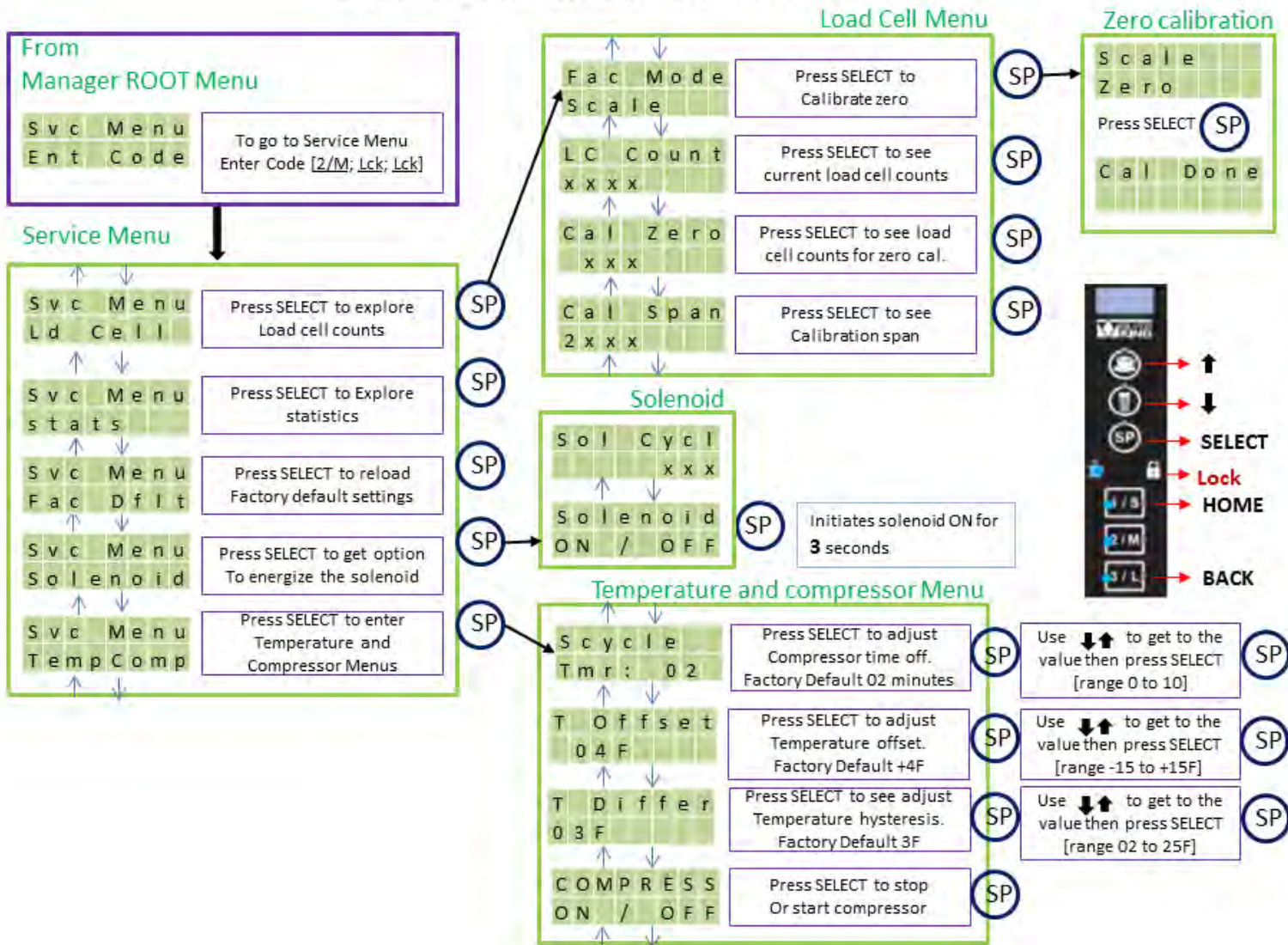


Silver King Cream Dispenser – Manager Mode



Service Menu Flowchart

Silver King Cream Dispenser – Service Menu




Cream Dispenser Model SK-1-C1



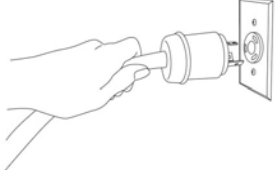
Remove Display Assembly

References

1 Unplug the unit. Remove cream bin from unit.

 **WARNING**

Failure to disconnect power from the unit before servicing could result in severe bodily injury or death. The ON/OFF



2 Remove the drip tray from the unit

3 Loosen the (4) screws to remove front fascia and access the electronics. Reference the **Red Arrows**.

4 Press on tab and pull straight to remove the display cable. Set Display Assembly Aside. Reference the



Replace Display Assembly

1 Reinstall the display cable. Previously removed in step 4.

2 Reinstall the front fascia onto unit. Ensure (4) screws are secure. Previously removed in step 3

3 Reinstall drip tray and creamer bin. Plug in unit



Cream Dispenser Model SK-1-C1



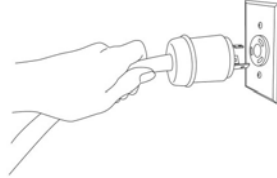
Remove Control Board

- 1 Unplug the unit. Remove cream bin from unit.



WARNING

Failure to disconnect power from the unit before servicing could result in severe bodily injury or death. The ON/OFF



- 2 Remove the drip tray from the unit

- 3 Loosen the (4) screws to remove front cover and access the electronics. Reference the **Red Arrows**.

- 4 Press on tab and pull straight to remove the display cable. Set front fascia aside. Reference the **Yellow Arrow**

- 6 Remove all (6) connectors from the Control Board. Note the position of each connector.

- 7 Remove (2) M5 nuts to remove the board assembly. Reference the **Green Arrows**.

Replace Control Board

- 1 Reinstall (2) M5 nuts to secure Board assembly to unit. Previously removed in step 7.

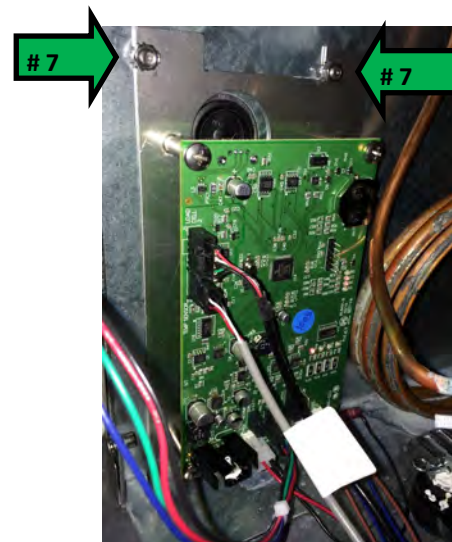
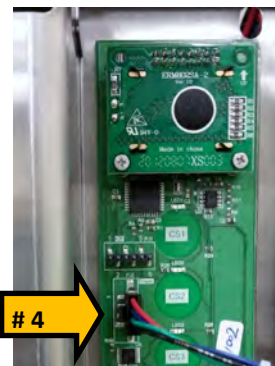
- 2 Reconnect all (6) connections to board. Previously removed in step 6

- 3 Reinstall the display cable. Previously removed in step 4.

- 4 Reinstall the front fascia onto unit. Ensure (4) screws are secure. Previously removed in step 3


- 5 Reinstall drip tray and creamer bin. Plug in unit. Verify functionality of unit.

References

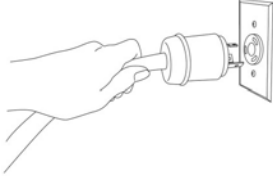


Remove Load Cell

1 Unplug the unit. Remove cream bin from unit.

 **WARNING**

Failure to disconnect power from the unit before servicing could result in severe bodily injury or death. The ON/OFF



2 Remove the drip tray from the unit

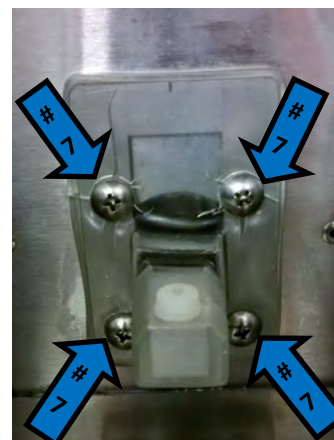
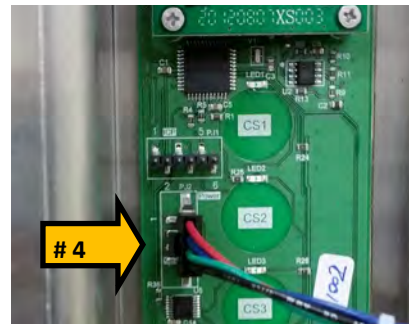
3 Loosen the (4) screws to remove front cover and access the electronics. Reference the **Red Arrows**.

4 Press on tab and pull straight to remove the display cable. Reference the **Yellow Arrow**

5 Set front fascia aside.

6 Remove load cell connector from main board. Refer to the **Green Arrow**

7 Remove the (4) screws to free the load cell. Carefully pull out wiring. Refer to the **Blue Arrows**.



Replace Load Cell

1 Feed in load cell wiring. Reinstall (4) screws to secure load cell to unit. Previously removed in step 7.

2 Reconnect load cell connection to board. Previously removed in step 6

3 Reinstall the display cable. Previously removed in step 4.

4 Reinstall the front fascia onto unit. Ensure (4) screws are secure. Previously removed in step 3

5 Reinstall drip tray and creamer bin. Plug in unit. Verify functionality of unit.

Cream Dispenser Model SK-1-C1



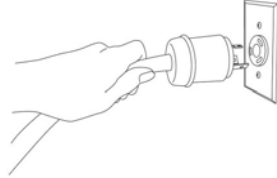
Remove Solenoid

- 1 Unplug the unit. Remove cream bin from unit.



WARNING

Failure to disconnect power from the unit before servicing could result in severe bodily injury or death. The ON/OFF



- 2 Remove the drip tray from the unit

- 3 Loosen the (4) screws to remove front cover and access the electronics. Reference the **Red Arrows**.

- 4 Press on tab and pull straight to remove the display cable. Reference the **Yellow Arrow**

- 5 Set front fascia aside.

- 6 Remove Solenoid connector from main board. Refer to the **Green Arrow**

- 7 Loosen the (2) thumbscrews to free the solenoid. Carefully pull out wiring. Refer to the **Blue Arrows**.

Replace Solenoid

- 1 Reinstall (2) thumbscrews to secure solenoid to unit. Previously removed in step 7.

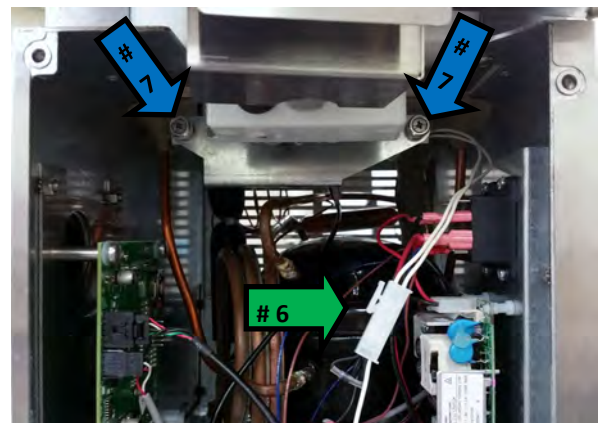
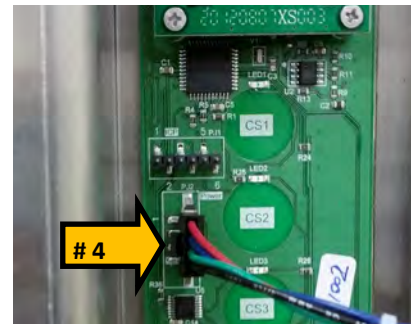
- 2 Reconnect solenoid connection to board. Previously removed in step 6

- 3 Reinstall the display cable. Previously removed in step 4.

- 4 Reinstall the front fascia onto unit. Ensure (4) screws are secure. Previously removed in step 3

- 5 Reinstall drip tray and creamer bin. Plug in unit. Verify functionality of unit.

References



Cream Dispenser Model SK-1-C1



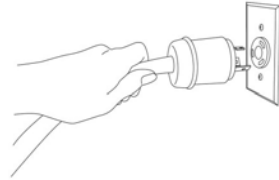
Remove Power Supply Assembly

- 1 Unplug the unit. Remove cream bin from unit.



WARNING

Failure to disconnect power
from the unit before servicing



- 2 Remove the drip tray from the unit

- 3 Loosen the (4) screws to remove front cover and access the electronics. Reference the **Red Arrows**.

- 4 Press on tab and pull straight to remove the display cable. Reference the **Yellow Arrow**

- 5 Set front fascia aside.

- 6 Remove (2) cables from power supply, and (4) cables from each relay. Refer to the **Blue Arrows**.

- 7 Remove the power supply assembly by removing (2) M5 nuts. Refer to the **Green Arrows**.

Replace Power Supply

- 1 Install the new power supply assembly by securing (2) M5 nuts. Previously removed in step 7.

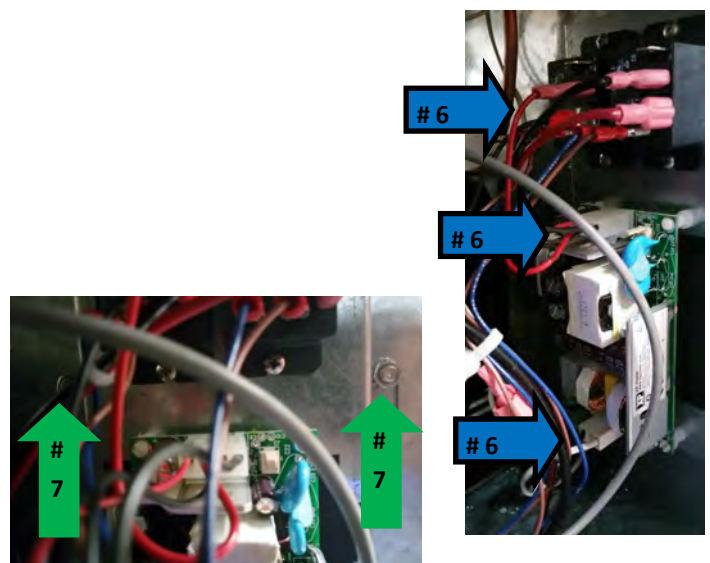
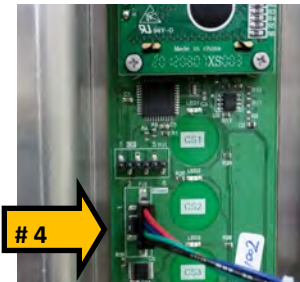
- 2 Reconnect (2) connections to power supply, and (4) connectors to each relay. Previously removed in step 6

- 3 Reinstall the display cable. Previously removed in step 4.

- 4 Reinstall the front fascia onto unit. Ensure (4) screws are secure. Previously removed in step 3

- 5 Reinstall drip tray and creamer bin. Plug in unit. Verify functionality of unit.

References



Troubleshooting Steps

Master Display Messages		
PROBLEM	PROBABLE CAUSE	SOLUTION
Compressor will not run	No Voltage at wall receptacle	Check circuit breaker or fuse
	Service cord pulled out of wall receptacle	Replace.
	Low voltage causing compressor to cycle on overload	Contact power company and confirm that voltage fluctuation does not exceed 10% plus or minus from the nominal rating.
	Power switch is in "Off" position	Turn switch on
	Inoperative Control	Call for service (800-328-3329).
	Compressor stuck	Call for service (800-328-3329).
	Compressor windings open	Call for service (800-328-3329).
	Compressor overload stuck open	Call for service (800-328-3329).
	Relay lead loose	Call for service (800-328-3329).
	Relay loose or inoperative	Call for service (800-328-3329).
	Power cord disconnected from dispenser	Call for service (800-328-3329).
	Faulty cabinet wiring	Call for service (800-328-3329).
Compressor runs but no refrigeration	System out of refrigerant	Call for service (800-328-3329).
	Compressor not pumping	Call for service (800-328-3329).
	Restricted filter drier	Call for service (800-328-3329).
	Restricted capillary tube	Call for service (800-328-3329).
	Moisture in system	Call for service (800-328-3329).
Compressor short cycles	Erratic Control Thermostat	Call for service (800-328-3329).
	Low Voltage	Contact power company and confirm that voltage fluctuation does not exceed 10% plus or minus from the nominal rating.
	Compressor draws excessive wattage	Call for service (800-328-3329).
	Faulty relay	Call for service (800-328-3329).
Compressor runs too much or constantly	Temperature too low	Adjust temperature control
	Erratic Control	Call service technician
	Abnormally high room temperature	Reduce room temperature or relocate dispenser
	Door or lid gaskets not sealing	Adjust or Call for service (800-328-3329).
	System undercharged due to leaks	Call for service (800-328-3329).
	System undercharged from factory	Call for service (800-328-3329).
	System overcharged	Call for service (800-328-3329).
	System not clean	Call for service (800-328-3329).
	Restricted filter drier	Call for service (800-328-3329).
	Restricted capillary tube	Call for service (800-328-3329).

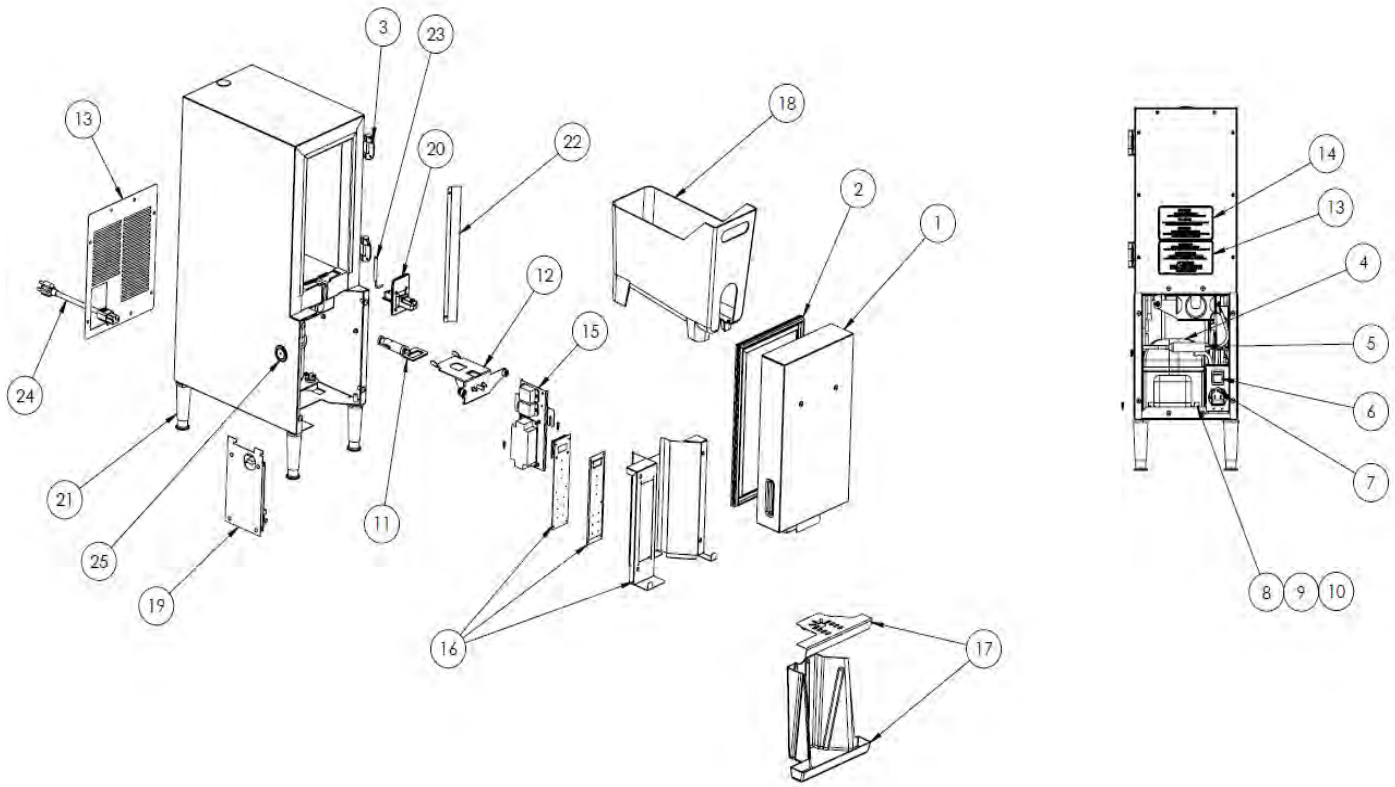
Troubleshooting Steps (Continued)

Master Display Messages		
PROBLEM	PROBABLE CAUSE	SOLUTION
Noisy	Tubing Vibrates	Check circuit breaker or fuse
	Internal compressor noise	Call for service (800-328-3329).
	Compressor vibrating on cabinet frame	Call for service (800-328-3329).
Beverage leaking or not flowing	Tube Kinked	Remove valve and pull tube straight through valve area.
	Valve stuck	Clean valve and valve area or call for service (800-328-3329).

Cream Dispenser Model SK-1-C1



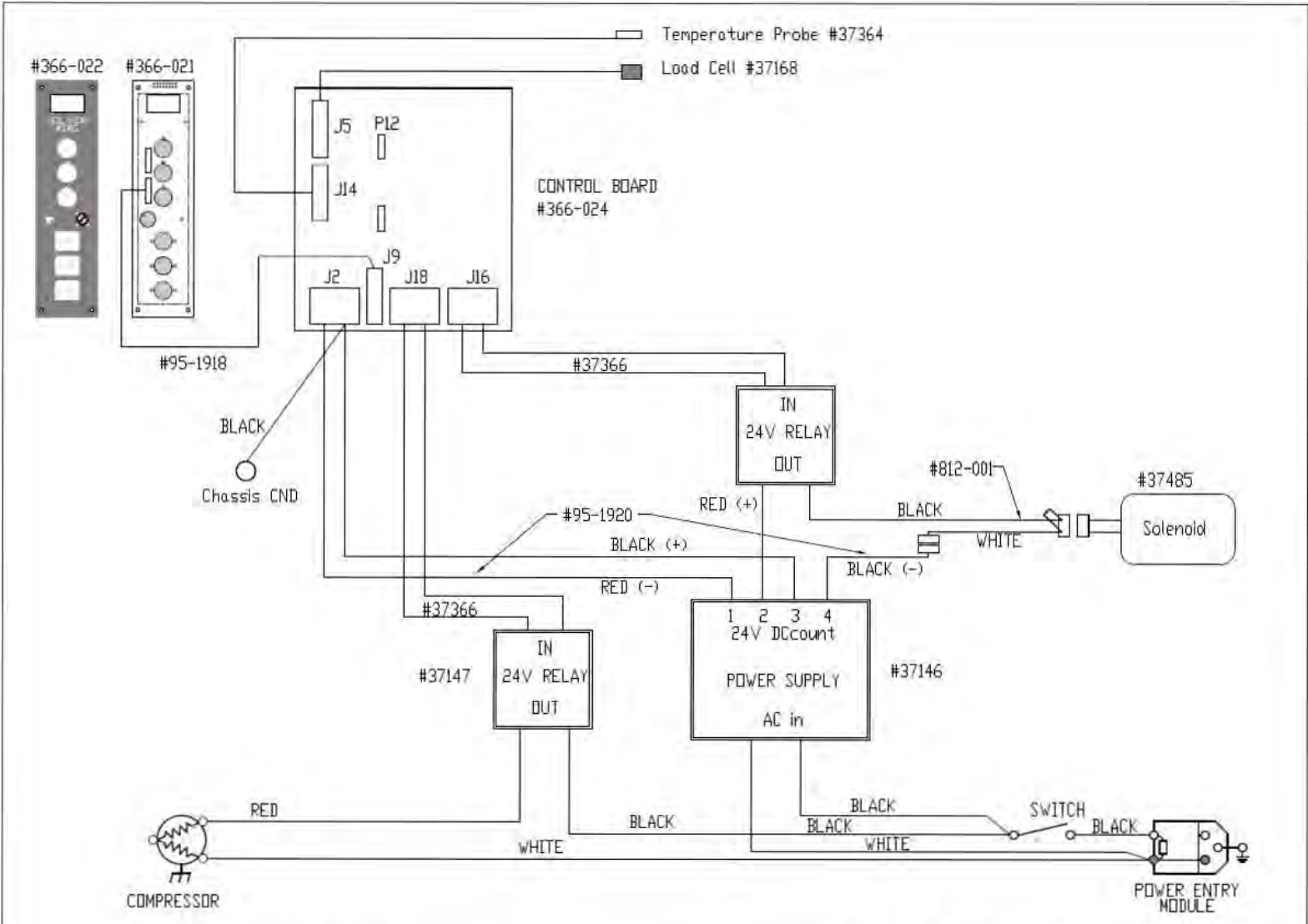
Parts List and Exploded View



Item	Part Number	Description	Qty
1	366-124S	ASSEMBLY DOOR	1
2	31126S	GASKET DOOR	1
3	25226S	HINGE W/SCREWS & COVERS	2
4	10343-51	KIT COMPR 115V/60HZ EM20HHR	1
4	10344-51	KIT ELECTRICALS 115V EM20HHR	1
5	30876S	ASSEMBLY HEAT EXCHANGER	1
6	26378	SWITCH ROCKER 115V/230V	1
7	35826	MODULE POWER ENTRY 115V (W/1 FUSE)	1
8	20481P	GROMMET COMPRESSOR	4
9	98106P	CLIP HAIRPIN COMPRESSOR	4
10	22401P	WASHER MOUNT COMPRESSOR	4
11	37133S	ASSEMBLY VALVE PLUNGER	1
12	366-132S	ASSEMBLY RACK SOLENOID	1
13	24048S	LABEL CAUTION HAZARDOUS MOVING	1

Item	Part Number	Description	Qty
14	24050S	LABEL ELECTRIC SHOCK HAZARD	1
15	366-135S	POWER SUPPLY ASSEMBLY	1
16	366-139S	ASSEMBLY APRON	1
17	366-142S	ASSEMBLY DRIP TRAY	1
18	366-151S	CONTAINER CREAM PLASTIC SINGLE	1
19	366-137S	ELECTRONICS ASSEMBLY	1
20	366-144S	LOAD CELL ASSEMBLY	1
21	10314-89	LEG 4" NP FLANGE FOOT	1
22	24904S	TUBE WELL GUARD	1
23	37364S	PROBE TEMPERATURE	1
24	33883	CORDSET 115V	1
25	37358S	ERGONOMICS PLUG 1" DIA.	1
26	366-149S	BAG GUARD **(NOT SHOWN)**	1

Wiring Diagram



**Cream Dispenser
Model SK-1-C1**



Allowable Labor Limits

<u>Procedure</u>	<u>Part Number</u>	<u>Max Labor Hours</u>
Remove/Replace Control Board	366-137S	0.5 Hour(s)
Remove/Replace Power Supply Assembly	366-135S	0.5 Hour(s)
Remove/Replace Display Assembly	366-139S	0.5 Hour(s)
Remove/Replace Solenoid	366-132S	0.5 Hour(s)
Remove/Replace Load Cell	366-144S	1 Hour(s)