

Service Manual (220-240VAC)



K2 Water Cooler

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Product Specification



The K2 was specifically developed by Crystal Mountain to meet customers' needs for a modern and stylish watercooler with a water reservoir system that could be recycled, having been easily removed, and replaced with a new one. All done very easily, hygienically and cost-effectively.

Furthermore, the K2 has been designed with an ergonomic high dispense point; LED indicator lights; electronic controls to give improved cold and hot water output, and easily removable side panels to allow quick access to all electrical components for easy maintenance and servicing.



Model: K2 220-240VAC

Standard Cooler Specifications and Performance Data

| ITEM | | SPECIFICATIONS | | | | |
|------------------|---------------|---|--|--|--|--|
| POWER RATING | | SINGLE PHASE | | | | |
| | | 220-240VAC 50Hz | | | | |
| STANDARD CURREN | NT | H&C: 2.5~2.8A | | | | |
| POWER | COLD | 80 W | | | | |
| CONSUMPTION | HOT | 450 W | | | | |
| COLD | COMPRESSOR | SINGLE PHASE MOTOR | | | | |
| | REFRIGERANT | R134a: 35g (1.2oz) | | | | |
| | TEMP RANGE | 4-10°C (39.2-50°F) | | | | |
| HOT | HEATER | BAND HEATER | | | | |
| | TEMP RANGE | 74-92°C (165.2-197.6°F) | | | | |
| | SAFETY DEVICE | BIMETAL (MANUAL LIMITER 98°C (203°F) OFF) | | | | |
| | TEMP CONTROL | ELECTRONIC | | | | |
| NOISE (SOUND POV | VER LEVEL) | 44 dB (A) | | | | |
| NET WEIGHT | | H&C: 12.8 kg (28.2 lb) | | | | |
| LOADING QUANTITY | 1 | 20FT: 320 UNITS | | | | |
| | | 40FT: 640 UNITS | | | | |



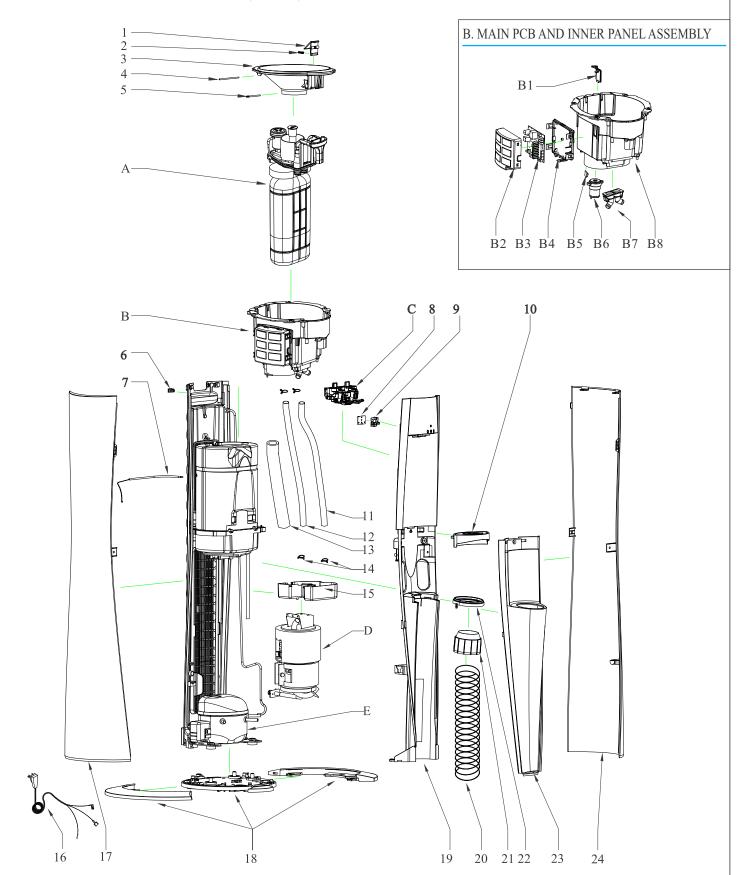
220V K2 Bottled Water Cooler Parts Listing MODEL--K2FM2KHK2CC

| NO. | DESCRIPTION | PART CODE | NO. | | DESCRIPTION | PART CODE |
|-----|---|-------------|-----|--------|---|-------------|
| 1 | TOP COVER CLIP | PLC-C141020 | | B4 | PCB BOX | PLC-C141007 |
| 2 | FAUCET LOCK SPRING | FAS-C100007 | | B5 | TIMER SWITCH PCB | ELE-C100286 |
| 3 | TOP COVER | PLC-C141019 | В | В6 | PUMP MOTOR | ELE-C100276 |
| 4 | HINGE PIN, TOP COVER | FAS-C100091 | | В7 | HOT WATER ADAPTOR | PLC-C141009 |
| 5 | HINGE PIN, TOP COVER CLIP | FAS-C100129 | | В8 | INNER CHASSIS | PLC-C141006 |
| 6 | HOT SWITCH | ELE-C100280 | | | | <u>.</u> |
| 7 | COLD SENSOR | ELE-C100282 | | TAP | ASSEMBLY | |
| 8 | LIGHT PCB | ELE-C100288 | | C1 | SS PIN, OD 3MM, LENGTH 95MM | FAS-C100128 |
| 9 | LENS | PLC-C141018 | | C2 | PINCH | PLC-C141011 |
| 10 | DRIP TRAY | PLC-C141037 | | С3 | SS SPRING, FAUCET, OD 7.2, LENGTH 40, WIRE DIAMETER 0.8 | FAS-C100125 |
| 11 | HT INLET TUBE, OD 15 X ID 12 X 585MM | SIL-C141009 | | C4 | MICRO-SWITCH PCB | ELE-C100285 |
| 12 | HT OUTLET TUBE, OD 15 X ID 12 X 380MM | SIL-C141008 | | C5 | TAP RETAINER | PLC-C141010 |
| 13 | FOAM TUBE, ID16MM X OD28MM X L310MM | REF-C100201 | | C6 | DOUBLE TORSION SPRING | FAS-C100127 |
| 14 | SPRING CLIP - 14MM | FAS-C100100 | С | C7 | FAUCET PIVOT | PLC-C141013 |
| 15 | EVAPORATION SHELF | PLC-C141005 | | C8 | SS SPRING.CATCH.OD4.5.LENGTH 18.5 WIRE DIAMETER 0.5 | FAS-C100126 |
| 16 | 220V POWER CORD FOR UK-K2 | ELE-C100306 | | C9 | COLD LEVER (STD) | PLC-C141038 |
| 17 | SIDE PANEL, LEFT , BLACK-BOXED | SUB-C200207 | | C10 | CATCH | PLC-C141012 |
| | BASE PLATE ASSEMBLY | SUB-C200340 | | C11 | CHILD RESISTANT LEVER, RED | PLC-C141014 |
| 18 | 18A BASE PLATE, LEFT | PLC-C141001 | | C12 | HOT LEVER (CHILD RES) | PLC-C141039 |
| | 18B BASE PLATE, MIDDLE | PLC-C141003 | | | | |
| | 18C BASE PLATE, RIGHT | PLC-C141002 | | 220V I | HOT TANK ASSEMBLY | SUB-C200334 |
| 19 | FRONT PANEL | PLC-C141017 | | D1 | HOT SENSOR | ELE-C100283 |
| 20 | SS CUP DISPENSER SPRING | MIS-C100090 | | D2 | HOT SENSOR BRACKET,HOT SENSOR | FAS-C100130 |
| 21 | PISTON, CUP DISPENSER (BLACK) | PLC-C140047 | | D3 | 98C CERAMIC MANUAL RESET | ELE-C100170 |
| 22 | CUP DISPENSER GASKET - ID 70MM (BLACK) | PLC-C140048 | | D4 | MANUAL RESET COVER, GREY | SIL-C140006 |
| 22 | CUP DISPENSER GASKET - ID 60MM (BLACK) | PLC-C140049 | _ | D5 | HT DRAIN CAP | PLC-C100004 |
| 23 | LOWER FRONT PANEL | PLC-C141015 | D | D6 | RED SILICONE DRAIN PLUG | SIL-C100055 |
| 24 | SIDE PANEL, RIGHT ,BLACK-BOXED | SUB-C200209 | | D7 | HOT TANK DRAIN | PLC-C120021 |
| | | | | D8 | SPRING CLIP - 12MM | FAS-C000029 |
| | CrystalFlo KIT, SINGLE PACKAGE | SUB-C200347 | | D9 | SILICONE DRAIN TUBE | SIL-C140004 |
| Α | A1 SEAL, MANIFOLD INLET/OUTLET - OD18 X 11MM | SIL-C120006 | | D10 | 220V INSULATED HESTER-97MM ID | ELE-C100148 |
| | _ | | | | | |
| | 21PCS CrystalFlo [™] IN ONE BULK BOX | SUB-C200345 | | REFR | IGERATION SYSTEM | |
| | 12PCS CrystalFlo [™] IN ONE BULK BOX | SUB-C200349 | | E1 | 220V COMPRESSOR RELAY(B30H) | REF-C100162 |
| | | | | E2 | 220V COMPRESSOR OVERLOAD PROTECTOR (B30H) | REF-C100163 |
| | MAIN PCB AND INNER PANEL ASSEMBLY | | Е | E3 | COMPRESSOR COVER | REF-C100164 |
| В | B1 PCB ACCESS COVER | PLC-C141034 | | E4 | BACK PANEL | PLC-C140002 |
| | B2 PCB COVER | PLC-C141008 | | | | |
| | B3 MAIN PCB | ELE-C100287 | Ш | | | Mar 18,2015 |



MODEL: K2FM2KHK2CC

K2 BOTTLED WATER COOLER (MAIN)

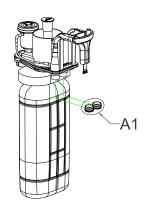




MODEL: K2FM2KHK2C

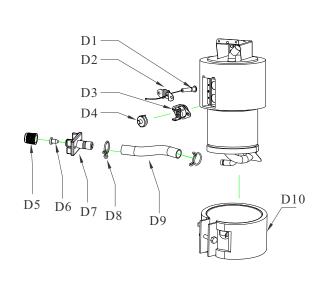
(CrystalFlo ASSEMBLY, TAP ASSEMBLY, HOT TANK ASSEMBLY, REFRIGERATION SYSTEM)

A. CrystalFlo System



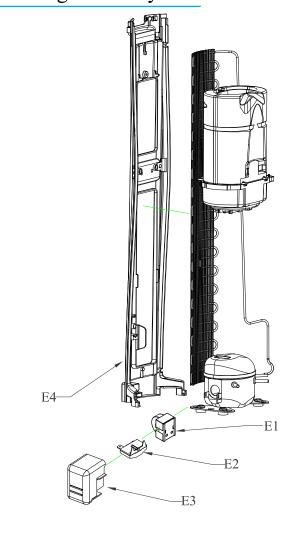
C. TAP ASSEMBLY C1 C3 C4 C5 C6

D. Hot Tank Assembly



E. Refrigeration System

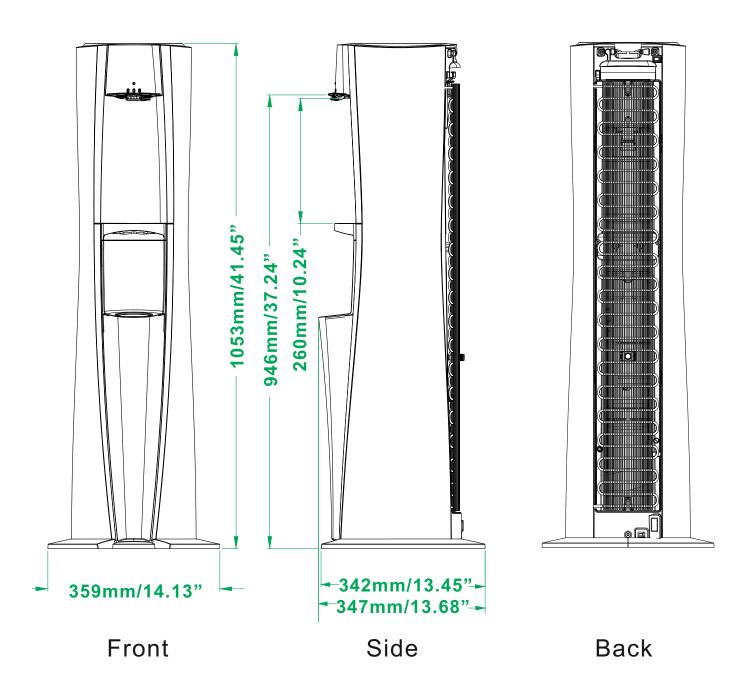
C10





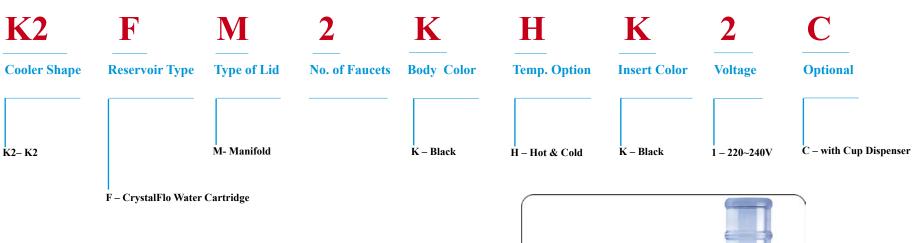
Product Dimensions

K2 (bottled water cooler)





Description of Product Model Number



You can find your serial and model number at the back of your cooler.





Replacement of CrystalFlo™ Water Cartridge

A flashing yellow light above the faucet levers will alert you to when the $CrystalFlo^{*}$ Water Cartridge should be replaced. The system has been pre-set to provide indication after a period of 12 months of use. User may operate the cooler as normal until the bottle has been emptied. It is also advised to replace the $CrystalFlo^{*}$ cartridge if there is a leak from the cartridge, taste problem or discoloration to the water.

Note: To reset the life timer system, the CrystalFlo™ is required to be removed from the dispenser for a minimum of 15 seconds while the unit is connected to the mains power supply.

1. Place a glass or other container below the water outlets (to catch drips)(Figure 3-1), and unlatch the Top Cover Locking Clip (located inside of the Bottle Installation area)(Figure 3-2), and open Top Cover (Figure 3-3).







Figure 3-2



Figure 3-3

2. Pull CrystalFlo^{\top} Water Cartridge upwards to remove (Figure 3-4). Do not squeeze the water reservoir as water could leak out. In addition, it may be helpful to have a bucket nearby to place the used CrystalFlo^{\top} in.



Figure 3-4

- 3. Please recycle the CrystalFlo[™] whenever possible, otherwise dispose of responsibly.
- 4. Ensure seal is properly installed on the Inlet/Outlet tube of the CrystalFlo™ Water Cartridge assembly (Figure 3-5) (may have shifted during shipment or un-packaging).



Figure 3-5

5. Align CrystalFlo™ Water Cartridge with openings in cooler, and push downwards into place (Figure 3-6). Ensure that foam seal is pushed down and seals the reservoir completely.



Figure 3-6

6. Close the top cover (push downwards to lock into place) (Figure 3-7 and Figure 3-8). If cover does not close completely, make sure that CrystalFlo $^{\text{TM}}$ is inserted completely.





Figure 3-7

Figure 3-8

7. Install replacement bottle (Figure 3-9).

Note: To prevent water leaks, a NON-SPILL Bottle Cap MUST be installed on the bottle.



Figure 3-9

8. Prime water system (See K2 Quick Start guide "Prime Water System" for instructions if needed).



Notice:

The information and/or procedures presented in the following demonstration(s) should be performed by a trained Water Cooler Service Technician only.

Never attempt to service or repair a water cooler while it is plugged into any power supply.

Prior to any service or repair of the water cooler, ensure that the water has been completely drained from the system.

Install Base Plate

- 1. Stand cooler upright on flat, smooth surface floor.
- 2. Align side plate with base (Figure 4-1-1), and slide into base to locked position. (Figure 4-1-2 and Figure 4-1-3). The side plates are inserted so that the inner faces mount flush in the rear of the cooler. There will be an open triangular area in the front.







Figure 4-1-1

Figure 4-1-2

Figure 4-1-3

3. Repeat for opposite side. (Figure 4-1-4 and Figure 4-1-5)







Figure 4-1-5



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Lower Front Panel Removal & Installation

1. Remove Drip Tray by pulling outwards from the body (Figure 4-2-1).



Figure 4-2-1

2. Using a Philips screwdriver, remove the screw from the lower front panel (located behind Drip tray assembly location) (Figure 4-2-2).



Figure 4-2-2

3. Pull outwards on the lower front panel to disengage locking tabs from the front of the cooler (Figure 4-2-3). The front panel and cup dispenser on this model are separate parts. Only the front panel will be removed.

Figure 4-2-3

4. Install in reverse order.



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Side Panel Removal

1. Remove Lower front panel (Figure 4-3-1)(Refer to Lower Front Panel Removal & Installation).



Figure 4-3-1

2. Remove the 2 side panel installation screws from the front of the cooler (located mid way up the front panel) (Figure 4-3-2).



Figure 4-3-2

3. Remove the 2 side panel installation screws from the back of the cooler (located mid way up the back panel) (Figure 4-3-3).



Figure 4-3-3

4. Open the Top Cover by pressing the cover lock (Figure 4-3-4), and lifting the front of the Top Cover upwards (rotate upwards to rear of the cooler) (Figure 4-3-5).





Figure 4-3-4

Figure 4-3-5

5. Grip the top edge of the side panel and lift slightly (approximately $^{1}/_{2}$ inch) and pull outwards from cooler to remove (Figure 4-3-6 to Figure 4-3-7).





Figure 4-3-6

Figure 4-3-7



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Side Panel Installation

1. Identify which panel belongs on which side of the cooler (Figure 4-4-1 to Figure 4-4-2). The Locking clip (located approximately 10 inches/250mm up from the base of the panel on the inside surface) is to be installed towards the front of the cooler.





Figure 4-4-1

Figure 4-4-2

2. Gripping the top edge of the side panel, insert the screw support into the slot on the Front Panel (near Drip Tray area) (Figure 4-4-3 to Figure 4-4-4), and align the locking clip, bottom edge, upper clips, and slide downwards to lock into place (Figure 4-4-5 to Figure 4-4-8). Install the screw into the front/back screw supports to secure in place (Figure 4-4-9 to Figure 4-4-10).







Figure 4-4-4



Figure 4-4-5



Figure 4-4-6



Figure 4-4-7



Figure 4-4-8



Figure 4-4-9



Figure 4-4-10



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Main Front Panel Removal & Installation

Note: Begin with the unit unplugged, the reservoir removed and the lower front and side panels removed.

1. Remove the cup dispenser spring first (Figure 4-5-1 and Figure 4-5-2) and faucet handles (Figure 4-5-3, Figure 4-5-4, Figure 4-5-5 and Figure 4-5-6)



Figure 4-5-1



Figure 4-5-2



Figure 4-5-3



Figure 4-5-4



Figure 4-5-5



Figure 4-5-6

2. To remove the front panel, remove the two screws on top (Figure 4-5-7), the two screws in the middle (Figure 4-5-8), the two screws on the bottom (Figure 4-5-9).



Figure 4-5-7

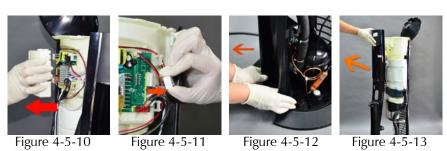


Figure 4-5-8



Figure 4-5-9

3. With all the screws removed, remove the protective cover from the PCB (Figure 4-5-10), and disconnect the cold sensor terminal from the PCB (Figure 4-5-11). pull the front panel near the base plate forward to remove (Figure 4-5-12 and Figure 4-5-13).



4. For reassembly align the bottom of the front panel with the appropriate guides in the base plate (Figure 4-5-14). Then follow the above steps in reverse order.



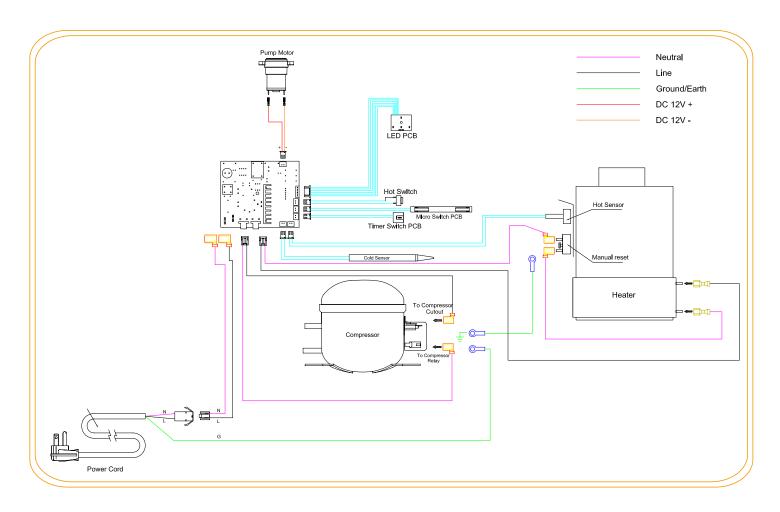
Figure 4-5-14



SECTION 5: Electrical Component Diagnosis and Replacement

Wiring Diagram

Models: K2 Hot & Cold





SECTION 5: Electrical Component Diagnosis and Replacement

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Cold Sensor Removal and Installation

1. In the event that the Cold Sensor requires to be replaced, the Blue indicator light (above Cold Dispense Lever) will flash (Figure 5-2-1).



Figure 5-2-1

2. Turn off hot tank power switch (located at top/back of dispenser) (Figure 5-2-2) and unplug the water cooler (Figure 5-2-3).



Figure 5-2-2



Figure 5-2-3

3. Remove CrystalFlo™ Assembly from the water dispenser (Figure 5-2-4) (see section for CrystalFlo™ Removal Instructions).



Figure 5-2-4

4. Remove the Side Panels from the water dispenser (see section for Side Panel Removal Instructions).

5. Remove the protective cover from the PCB, and disconnect the cold sensor terminal from the PCB. (Figure 5-2-5 and Figure 5-2-6).





Figure 5-2-5

Figure 5-2-6

6. If required, cut the ties holding the wires together, taking care not to damage any of the wires (Figure 5-2-7).



Figure 5-2-7

7. Pull the sensor tube out from the Evaporator Insulation to remove (Figure 5-2-8).



Figure 5-2-8

8. Install the replacement Cold Sensor into the Evaporator Insulation (insertion length approximately 5 inches/125mm) (Figure 5-2-9 and Figure 5-2-10).

Note: Care should be taken while installing the cold sensor that the end within the evaporator insulation is in the proper position.







Figure 5-2-10

9. Connect the terminal for the cold sensor to the PCB (take care to ensure proper installation location) (Figure 5-2-11).



Figure 5-2-11

10 . Reinstall PCB Cover over PCB, taking care not to pinch any wires (Figure 5-2-12).



Figure 5-2-12

11. Install wire ties to hold wiring in position (Figure 5-2-13).



Figure 5-2-13

12. Reinstall Side panels and CrystalFlo™ (see side panel SECTION 4, see CrystalFlo™ SECTION 3).



SECTION 5: Electrical Component Diagnosis and Replacement

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Water Temperature Adjustment

1. Remove Bottle and open the Top Cover (Figure 5-3-1 and Figure 5-3-2)





Figure 5-3-1

Figure 5-3-2

2. Remove screw from the PCB access cover (Figure 5-3-3) and remove the cover (Figure 5-3-4 and Figure 5-3-5)







Figure 5-3-3

Figure 5-3-4

Figure 5-3-5

3. Behind the access cover are 3 switches: (Factory Setting highlight in Blue)

| Switch | Left Position | Middle Position | Right Position |
|----------------------------|----------------------|-----------------|----------------|
| Top (Cold Water) | Coldest 41°F / 5°C | 46°F / 8°C | 50°F / 10°C |
| Middle (Hot Water) | Hottest 187°F / 86°C | 183°F / 84°C | 179°F / 82°C |
| Bottom (CrystalFlo™ Timer) | 12 Month Timer | 6 Month Timer | OFF |

Allow the cooler to stabilize for 2-3 hours to ensure the proper temperature of the cold water.



SECTION 5: Electrical Component Diagnosis and Replacement

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Prior to any service or repair of the water cooler, ensure that the water has been completely drained from the system.

Hot Sensor Removal and Installation

1. In the event that the Hot Sensor requires to be replaced, the Red indicator light (above Hot Dispense Lever) will flash (Figure 5-4-1).



Figure 5-4-1

2. Turn off hot tank power switch (located at top/back of dispenser) (Figure 5-4-2) and unplug the water cooler (Figure 5-4-3).



Figure 5-4-2

Figure 5-4-3

3. Remove Left Side Panel from the water dispenser (Figure 5-4-4) (see side panel SECTION 4).



Figure 5-4-4

4. Remove the protective cover from the PCB (Figure 5-4-5), and disconnect the Hot Sensor terminal from the PCB. (Figure 5-4-6)



Figure 5-4-5



Figure 5-4-6

5. If required, cut the ties holding the wires together, taking care not to damage any of the wires (Figure 5-4-7).



Figure 5-4-7

6. Remove the 2 screws from the sensor bracket on the hot tank (Figure 5-4-8 and Figure 5-4-9).





Figure 5-4-8

Figure 5-4-9

7. There is enough heat transfer paste on the tank and old sensor to simply wipe the face of the new sensor against the old one (Figure 5-4-10). Place into position and evenly tighten the two screws (torque to 3.4-6.9 lbf.in) (Figure 5-4-11 and Figure 5-4-12).





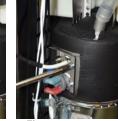


Figure 5-4-10

Figure 5-4-11

Figure 5-4-12

8. Connect the terminal for the hot sensor to the PCB (take care to ensure proper installation location) (Figure 5-4-13).



Figure 5-4-13

9. Reinstall PCB Cover over PCB (Figure 5-4-14), taking care not to pinch any wires .



Figure 5-4-14

10. Install wire ties to hold wiring in position (Figure 5-4-15).



Figure 5-4-15

11. Reinstall Side panels and CrystalFlo™ (Figure 5-4-16)(see side panel SECTION 4).



Figure 5-4-16



SECTION 5: Electrical Component Diagnosis and Replacement

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Hot Tank Limiter Replacement

Note: Begin with the unit unplugged, the water drained and the left side panel removed (Figure 5-5-1, Figure 5-5-2 and Figure 5-5-3).

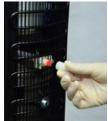






Figure 5-5-1

Figure 5-5-2

Figure 5-5-3

Tip: Use a small flathead screwdriver to pry wire connectors off .

- 1. Remove the wire connectors from the top and bottom of the Limiter (Figure 5-5-4 and figure 5-5-
- 5). Remove the two screws and remove the Limiter from the bracket (Figure 5-5-6 to Figure 5-5-8).



Figure 5-5-4



Figure 5-5-5



Figure 5-5-6



Figure 5-5-7



Figure 5-5-8

There is enough heat transfer paste on the tank and old Limiter to simply wipe the face of the new Limiter against the old one (figure 5-5-9). Place into position and evenly tighten the two screws (torque to 3.4-6.9 lbf.in) (figure 5-5-10 to figure 5-5-11).



Figure 5-5-9



Figure 5-5-10



Figure 5-5-11

3. Reconnect the wires onto the Limiter (figure 5-5-12 to 5-5-14). Note: Both parts can be changed in the same manner. If replacing the Limiter, ensure the reset button has been pushed in prior to left panel installation.







Figure 5-5-12

Figure 5-5-13

Figure 5-5-14



SECTION 5: Electrical Component Diagnosis and Replacement

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Hot Tank Removal and Replacement

Note: Begin with the unit unplugged, the water drained and the side panels removed (Figure 5-6-1, Figure 5-6-2 and Figure 5-6-3).





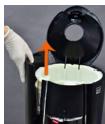


Figure 5-6-1

Figure 5-6-2

Figure 5-6-3

Tip: Use a small flathead screwdriver to pry wire connectors off.

1. Remove the two spring clips that secure the silicone hoses to the inlet and outlet pipes. Remove the hoses from the hot tank and identify (Figure 5-6-4 to 5-6-9).

Note: Hoses may be difficult to remove. If necessary, use a flathead screwdriver to slide up between the tube and pipe to release the hoses (Figure 5-6-5 and Figure 5-6-8). Be careful not to damage hoses.



Figure 5-6-4



Figure 5-6-5



Figure 5-6-6



Figure 5-6-7



Figure 5-6-8



Figure 5-6-9

2. Remove the two screws on the hot tank drain assembly at the back of dispenser (Figure 5-6-10 and Figure 5-6-11).





Figure 5-6-10

Figure 5-6-11

3. Remove and identify the 2 wires from the limiter and heater (Figure 5-6-12 to 5-6-14).







Figure 5-6-12

Figure 5-6-13

Figure 5-6-14

4. With a Philips screwdriver remove the ground wire from the thermostat bracket (Figure 5-6-15).



Figure 5-6-15

5. Remove the two screws and remove the Limiter from the bracket (Figure 5-6-16 to Figure 5-6-18).







Figure 5-6-17

Figure 5-6-18

6. Remove the two screws from the Hot Sensor Bracket (Figure 5-6-18 and Figure 5-6-20).







Figure 5-6-18

Figure 5-6-19

Figure 5-6-20

7. Disconnect the 2 wires from the Heater Band (Figure 5-6-21 to Figure 5-6-24)









Figure 5-6-21

Figure 5-6-22

Figure 5-6-23

Figure 5-6-24

8. Remove the single screw that secures the hot tank in place (Figure 5-6-25). Carefully slide the hot tank out from the bracket (Figure 5-6-26 and Figure 5-6-27).







Figure 5-6-25

Figure 5-6-26

Figure 5-6-27

- 9. See instructions for Hot Tank Heater Band Replacement
- 10. Reinstall the new hot tank, and following the steps in reverse order, install Hot Sensor Bracket, Limiter and Ground wire. Reconnect all wires as identified, if necessary refer to the wiring diagram (See Section 5 wiring diagram). Reconnect the two hoses as identified and spring clips.



SECTION 5: Electrical Component Diagnosis and Replacement

Notice:

The information and/or procedures presented in the following demonstration(s) should be performed by a trained Water Cooler Service Technician only.

Never attempt to service or repair a water cooler while it is plugged into any power supply.

Prior to any service or repair of the water cooler, ensure that the water has been completely drained from the system.

Hot Tank Heater Band Replacement

Note: Begin with the hot tank assembly removed from the dispenser (Figure 5-7-1).



Figure 5-7-1

1. Remove the bolt that tightens the heater band onto the hot tank (10mm wrench) (Figure 5-7-2). Turn the heater band until the opening lines up with the stainless J tube and pull down to remove completely from the hot tank (Figure 5-7-3 and 5-7-6).



Figure 5-7-2



Figure 5-7-3



Figure 5-7-4



Figure 5-7-5



Figure 5-7-6

2. Install the new heater band by following the steps above in reverse order, ensuring that the wire terminals are located near the top of the heater band (Figure 5-7-7). Align the opening in the heater band directly below the sensor and limiter, reinstall the bolt and tighten to 34.71 lbf.in (Figure 5-7-8).



Figure 5-7-7



Figure 5-7-8

3. Refer to the hot tank replacement procedure for installation instructions.



SECTION 5: Electrical Component

Diagnosis and Replacement

Notice:

The information and/or procedures presented in the following demonstration(s) should be performed by a trained Water Cooler Service Technician only.

Never attempt to service or repair a water cooler while it is plugged into any power supply.

Prior to any service or repair of the water cooler, ensure that the water has been completely drained from the system.

Compressor Relay / Overload Protector Replacement

Note: Begin with the unit unplugged, the water drained and the left side panel removed.

Tip: Use a small flathead screwdriver to pry wire connectors and relay from compressor.

1. Remove the relay/overload cover by prying the metal clip to unhook it from the compressor on both sides (Figure 5-8-1 and 5-8-2).





Figure 5-8-1

Figure 5-8-2

2. Carefully remove and identify the wire connectors from the relay (white wires) and/or overload (black wire) (Figure 5-8-3 and 5-8-4). Remove relay and overload from compressor (Figure 5-8-5 and 5-8-6).









Figure 5-8-3

Figure 5-8-4

Figure 5-8-5

Figure 5-8-6

3. Install the new overload onto the top pin of the compressor (Figure 5-8-7) and push the new relay onto the two bottom pins below the overload (figure 5-8-8). Reconnect the white wires onto the relay (Figure 5-8-9) and the black wire onto the overload (Figure 5-8-10).



Figure 5-8-7



Figure 5-8-8



Figure 5-8-9



Figure 5-8-10

4. Reinstall the cover and secure with the metal clip (Figure 5-8-11). Note: use caution not to damage wires.



Figure 5-8-11



SECTION 8: CrystalFlo™ Water Cartridge

The CrystalFlo™ Water Cartridge - Design allows for quick and easy sanitization of the cold water system. The unique patent pending CrystalFlo™ Water Cartridge guarantees 100% sanitization in minutes for Crystal Mountain K2 Bottled Water Dispenser...

Simple & Quick: In less than 45 seconds all cold water contact points are exchanged

Hygienic: All cold water contact points are exchanged

100% Sanitization







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Crystal Mountain has a policy of continuous development and reserves the right to change specifications without notification.