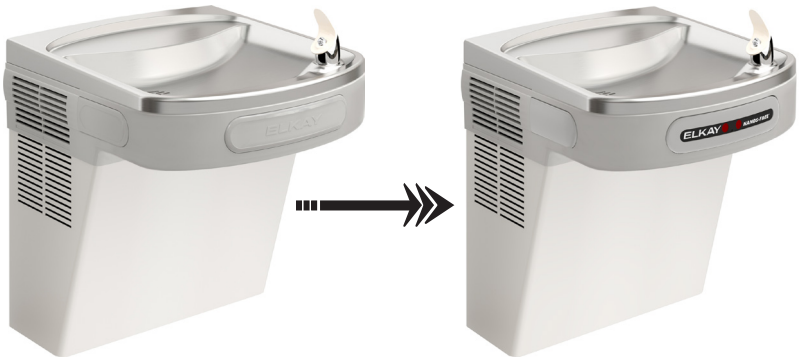
ELKAY®

INSTALLATION MANUAL

RETROFIT KIT EZS TO EZO



IMPORTANT

THIS IS AN INDOOR APPLICATION ONLY. ALL SERVICE TO BE PERFORMED BY AN AUTHORIZED SERVICE PERSON.

TOOLS REQUIRED

BUT NOT PROVIDED:

GLOVES
SAFETY GLASSES
NEEDLE NOSE AND REGULAR PLIERS
¼ AND 5/16 NUT DRIVERS
FLAT HEAD SCREWDRIVER
T-20 TORX BIT OR 7/64 ALLEN WRENCH
BLACK MARKER
BUCKET
MULTI-METER

IMPORTANT! INSTALLER PLEASE NOTE.

THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING OR MAY OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A FOUNTAIN, CREATING AN ELECTROLYSIS WHICH CAUSES A METALLIC TASTE OR AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY USING THE PROPER MATERIALS AS INDICATED. ANY DRAIN FITTINGS PROVIDED BY THE INSTALLER SHOULD BE MADE OF PLASTIC TO ELECTRICALLY ISOLATE THE FOUNTAIN FROM THE BUILDING PLUMBING SYSTEM. WE SUGGEST THAT THE BOTTLE FILLING STATION AND WATER COOLER BE PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER (GFCI).

INSTALLER

To insure you install this Kit easily and correctly, PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL, AND OTHER APPLICABLE CODES.

Patent zurn-elkay.com/patents

⚠**WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
⚠**ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
⚠**AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

Note: Danger! Electrical shock hazard. Disconnect power before servicing unit.

WATER COOLER PREPARATION

- Remove Lower wrapper on the cooler by removing the (4) screws using a 5/16 nut driver
- Shut off water to the cooler
- Remove water pressure by pressing on any of the cooler push bars until no water comes out of the bubbler
- Unplug the water cooler
- Remove the P-trap from the cooler drain

Fig. 1

1. Remove the (4) screws – 2 per side on the upper shroud using the Torx bit or Allen Wrench. (See Fig. 1) Note: The kit is for refrigerated units only.
2. Take a black marker and mark the water line where it enters the base of the evaporator.

This will ensure the water line is reinserted fully later. Fig. 2 & 3

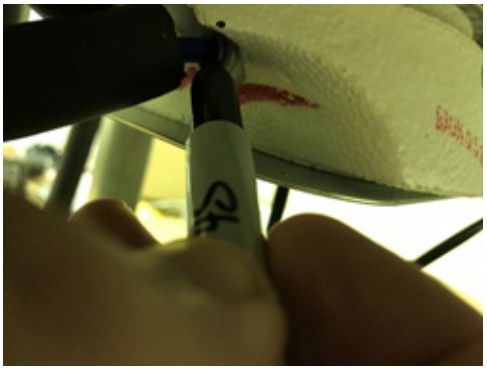


Fig. 2

Fig. 3

Fig. 4

3. Remove the water line from the evaporator. Have a bucket ready to catch water coming from the evaporator.
4. Lift the basin shroud assembly, tilting forward towards the front of the water cooler and unplug the two switch wires. One on the solenoid and one on the cold control. Once both wires are free lift the assembly completely off.
5. Turn the basin/shroud assembly over on a table so that it is sitting on the basin.
6. Locate the serial number on the data label and write it down in permanent marker on the blank label on the bottom of the new shroud.
7. Remove the basin from the shroud by removing the four screws with the Torx bit of Allen Wrench. **Note if your shroud has a regulator installed it will need to be removed too.**
8. Remove the rubber boot with the drain by sliding up off the three pins holding it to the shroud. Place the boot and drain on the three pins on the new shroud. Press completely down so it is sitting flat. Fig. 4
9. Place the new shroud on the basin and attach it using the screws removed. **Note: If a regulator was removed from the old shroud it will need to be inserted in the new shroud.**

10. Using a Flat head screwdriver remove the plastic cap covering the electricals on the compressor. Fig. 5

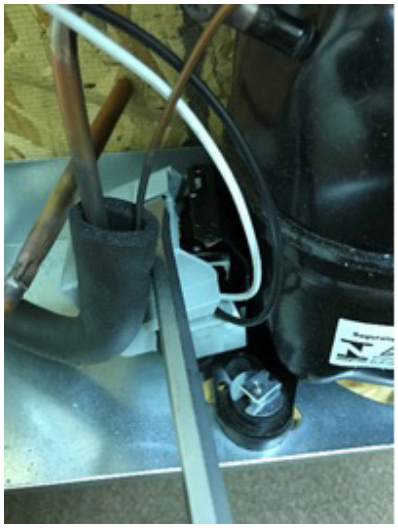


Fig. 5

11. Remove the white wire from the compressor relay and the black wire from the overload. Leave the fan wires connected. Fig 6 & 7

Fig. 6

Fig. 7

Fig. 8

12. Remove the power cord ground connection on the frame using the ¼ nut driver. Keep this screw it will be needed to connect the ground wire on the new power cord. Fig. 8

Fig. 9

13. Using pliers, squeeze the strain relief on the power cord and pull down to remove the cord from the bracket. Fig 9
14. Remove all remaining wires from the solenoid and cold control and discard.

Fig. 10

15. Squeeze the strain relief and place in the slot in the bracket that the old power cord was removed. Pull cord until it locks into place. Fig. 10

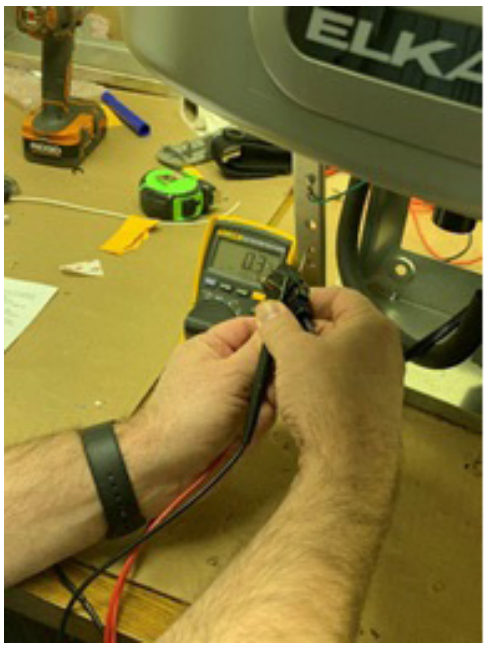


Fig. 11

16. Put the ground screw in the ring terminal on the green ground wire on the power cord. Tighten the screw back into the frame where the old ground wire was connected. Tighten the screw so that the terminal will not turn. To make sure that the grounding connection is secure, use a multi-meter and check for continuity. Place one probe on the round connector on the plug and the other probe on the frame. Fig. 11

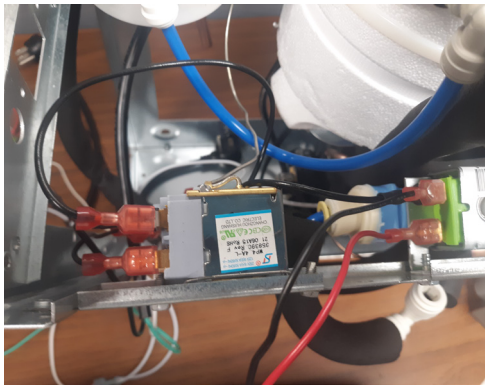


Fig. 12

17. Connect power cord black wire to top cold control , then connect black jumper wire from cold control to solenoid valve as shown. Fig. 12

18. Follow the wires on the power cord that will connect to the compressor. The black jumper wire from cold control connected to third black wire to compressor overload. White power cord wire connected to white jumper (blue) with long lead to compressor relay. Fig. 13 & 14

Fig. 13

Fig. 14

19. Replace the cover over the compressor electricals. Place the slot on the cap on the lower arm on the compressor, slide all the wire into the large slot in the cap. Rotate the cap upwards and push until it snaps into place. Fig. 15a, 15b & 15c

Fig. 15a

Fig. 15b

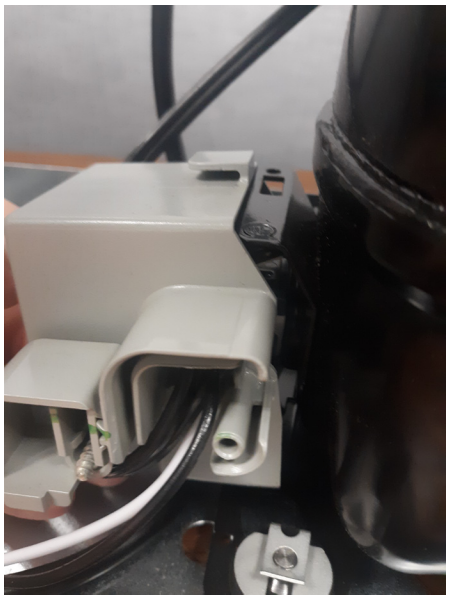


Fig. 15c

20. Connect the remaining black wire from the kit. The insulated connector is connected to the piggyback terminal on the cold control and the other end is connected to either one of the empty terminals on the solenoid. Fig. 16 & 17
    NOTE: Some models have a different solenoid and location, however the wiring process remains the same.

Fig. 16

Fig. 17

Fig. 18

21. Place the basin shroud assembly back on to the cooler frame and connect the sensor wires. Connect the black wire to the piggyback terminal on the solenoid, the red wire on the open terminal on the solenoid and the white wire to the white wire split jumper connection. Fig. 18

- Push the water line down so it can be connected to the evaporator. Push the water line into the fitting on the evaporator until it is up to the line that was drawn on the water line earlier.
- Spin the fan blade to ensure it spins freely and there are not any wires or that the water line is not in it.
- Place the (4) screws back in to hold the basin/shroud assembly to the frame.
- Reconnect the P-trap.
- Remove the plastic covering the sensor bar.
- Turn on the water and plug the cooler back in. Place a cup over the bubbler and activate the sensor. Run water until all air is removed from the system and there is a steady stream of water coming from the bubbler.
- Check for any water leaks and fix as needed.
- Place the lower wrapper on the cooler and tighten the (4) screws.

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