QUASAR Contactless Bottle Filler

UV-C LED WATER TREATMENT

NNF2EBQPG with
VersaFilter III and remedi Filter

Cooler to Bottle Filler Conversion Kit for OASIS PG8AC Coolers
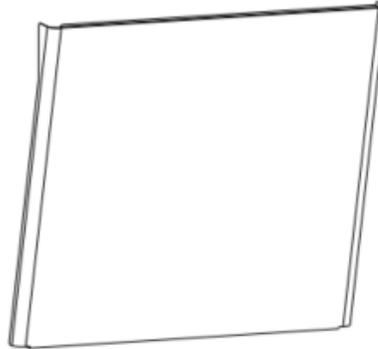
INSTALLATION INSTRUCTIONS
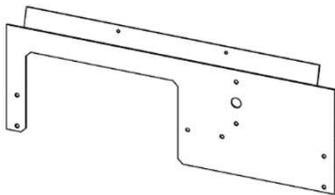
What's Included:

Assembled
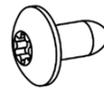NNF2EBQPG Cabinet

P8AC Front
Panel

Strain Relief
P-Clip

Installation
instructions

Side Mounting
Bracket
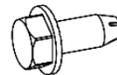*x2*

Center Bracket

Drain Elbow
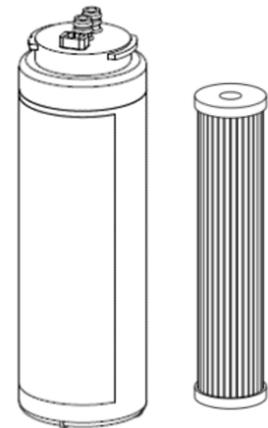*x2*

T15 Torx Screws
x13

#8 Hex Screw

Drainpipe
x2

#8 Thread Cutting
Hex Screw

VersaFilter III and
remedi Filter

Tools & Hardware Required:

- Electric drill/driver
- Small tubing cutter for plastic line
- 1/4" nut driver

- Means to cut 1 1/4" drainpipe
- T15 Torx screwdriver and bit
- 4 appropriate anchors (not supplied)

Section 2: IMPORTANT REQUIREMENT

CAUTION: DO NOT ACTIVATE BOTTLE FILLER ELECTRIC EYE SENSOR WITHOUT RUNNING WATER THROUGH THE UV-C MODULE. OPERATING THE UV-C MODULE DRY MAY DAMAGE THE UV-C LED'S.

Section 3A: QUASAR® UV-C LED OPERATION

1. QUASAR is a form of dispense point water treatment that utilizes UV-C LED's to inactivate pathogens.
2. Operation:
   a. The QUASAR activation is automatic. The UV-C LED's turn ON when water is dispensed and OFF when the dispense stops.
   b. During non-use periods the QUASAR automatically cycles ON for ten seconds every ten minutes. This keeps the dispense point more sanitary between use.
   c. When the QUASAR is ON, the LED light on the front of the alcove near the top will turn BLUE.
   d. If QUASAR is not working properly, then the LED light on the front of the alcove near the top will be ORANGE. The light will remain ORANGE and the system will not allow water to be dispensed until the problem is resolved.
   e. **IMPORTANT:** Never operate the QUASAR without water connected to the system. Lack of water can cause the QUASAR to overheat. If it is necessary to activate QUASAR to purge the system of air, then the QUASAR will automatically shut off if it overheats. The QUASAR will resume operation once water begins to flow through it and/or once the module returns to safe operating temperature.

LED Indicator
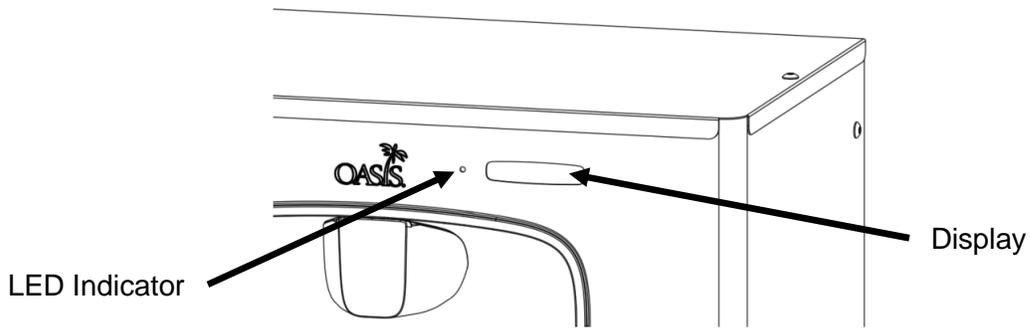
Display

| LED Color	Display	Condition	Action
Orange	"UVC OFF- TURN ON WATER SUPPLY"	While dispensing, UVC temperature is too high.	Ensure water supply is ON. If initial start-up: Activate the bottle filler to dispense water. LED will turn BLUE when water flows.
Green	"BOTTLES SAVED"	Standby mode – filter life <80% used.	No action needed.
Yellow	"BOTTLES SAVED"	Standby mode – filter life >80% used but <100%.	Order new filter.
Red	"BOTTLES SAVED"	Standby mode – filter life =100% used.	Replace the filter.
Blue	"UVC DISINFECTION IN PROCESS"	Dispensing – bottle sensed by IR sensor and UVC operating properly.	No action needed.
Orange	"UVC REQUIRES SERVICE" (Remains ON even in standby.)	Water cannot be dispensed.	Check electrical connections to UVC and reset power first. Replace UVC if necessary.
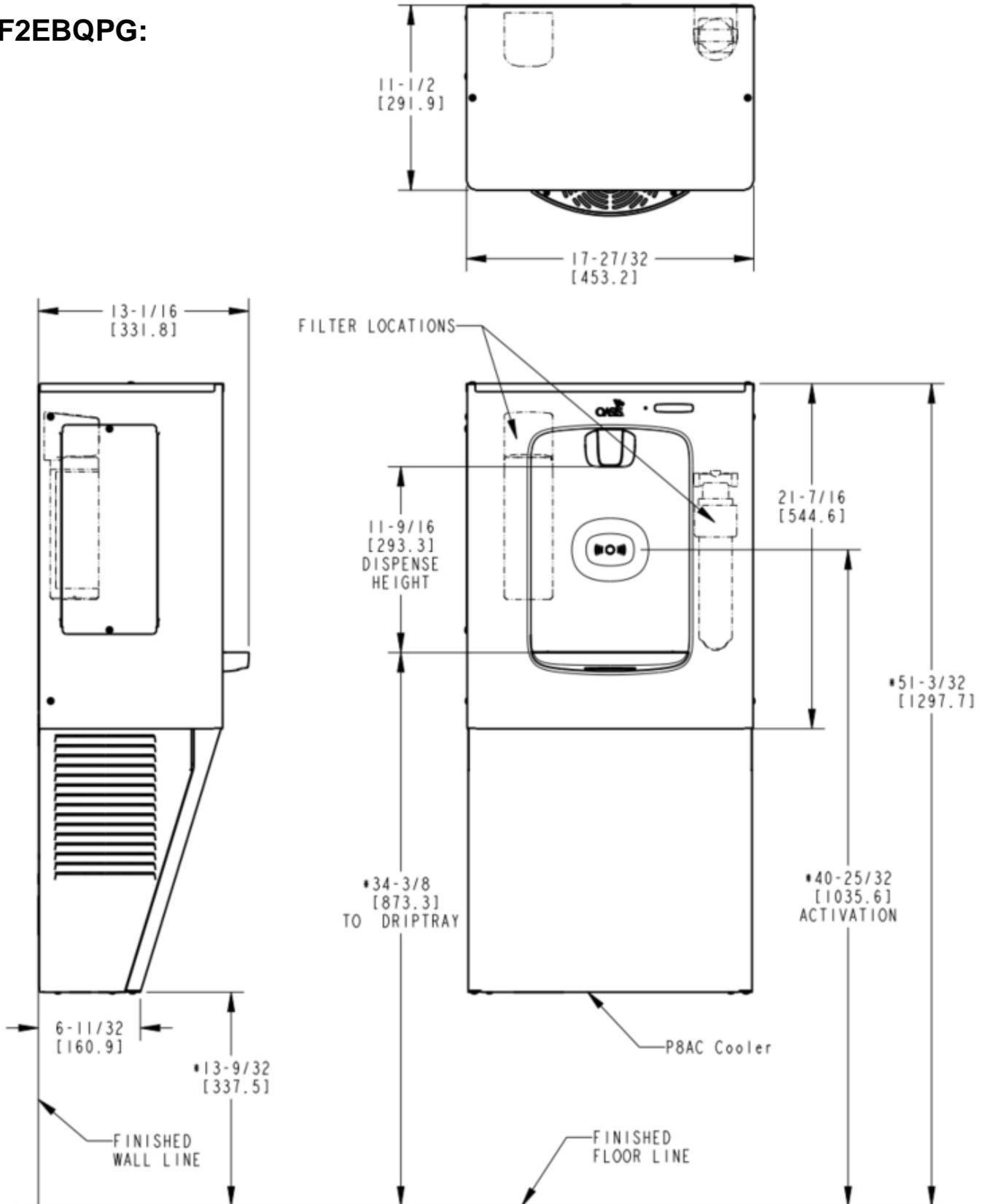
NNF2EBQPG:

NOTES:

1. * DIMENSIONS ARE REFERENCE ONLY.

2. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.
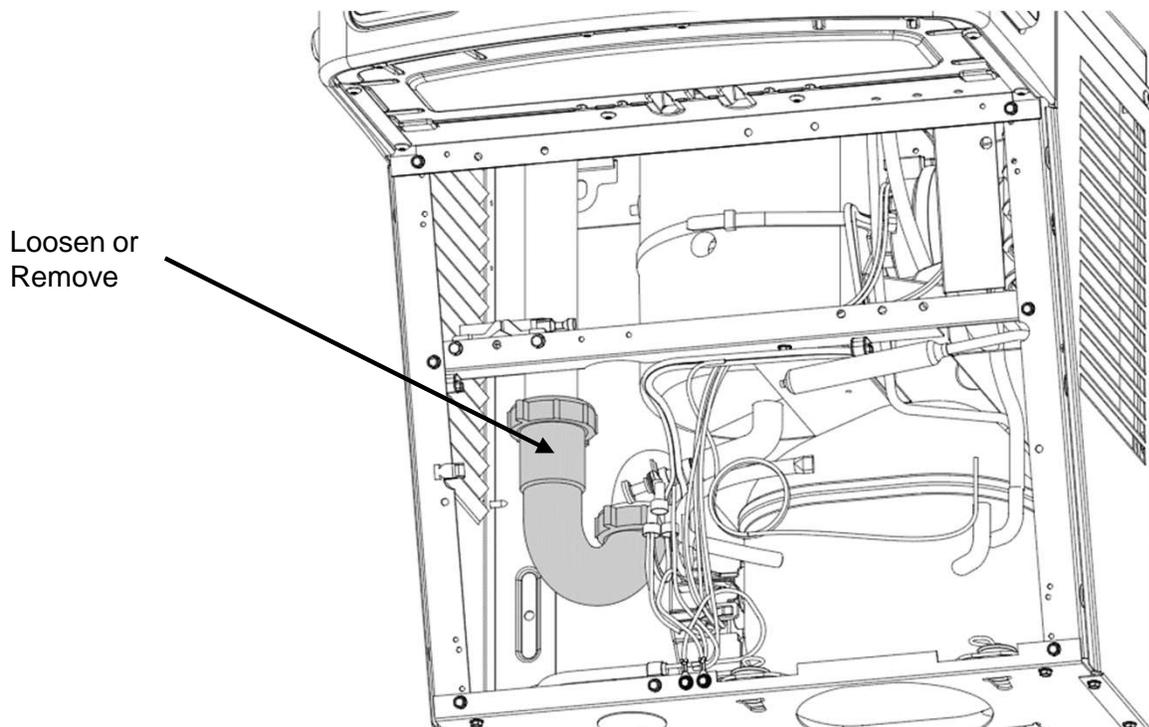
PREPARATION

- **Disassembly of P8AC Cooler**
- **Wiring**
- **Water Lines**

1. Remove the front panel by removing two Phillips screws under the nose assembly and by loosening the 2x #8 hex screws at the bottom.

2. Disconnect power by <u>UNPLUGGING</u> the unit.

3. Turn OFF water supply to the unit. Bleed any remaining pressure from the lines by activating the bubbler valve.
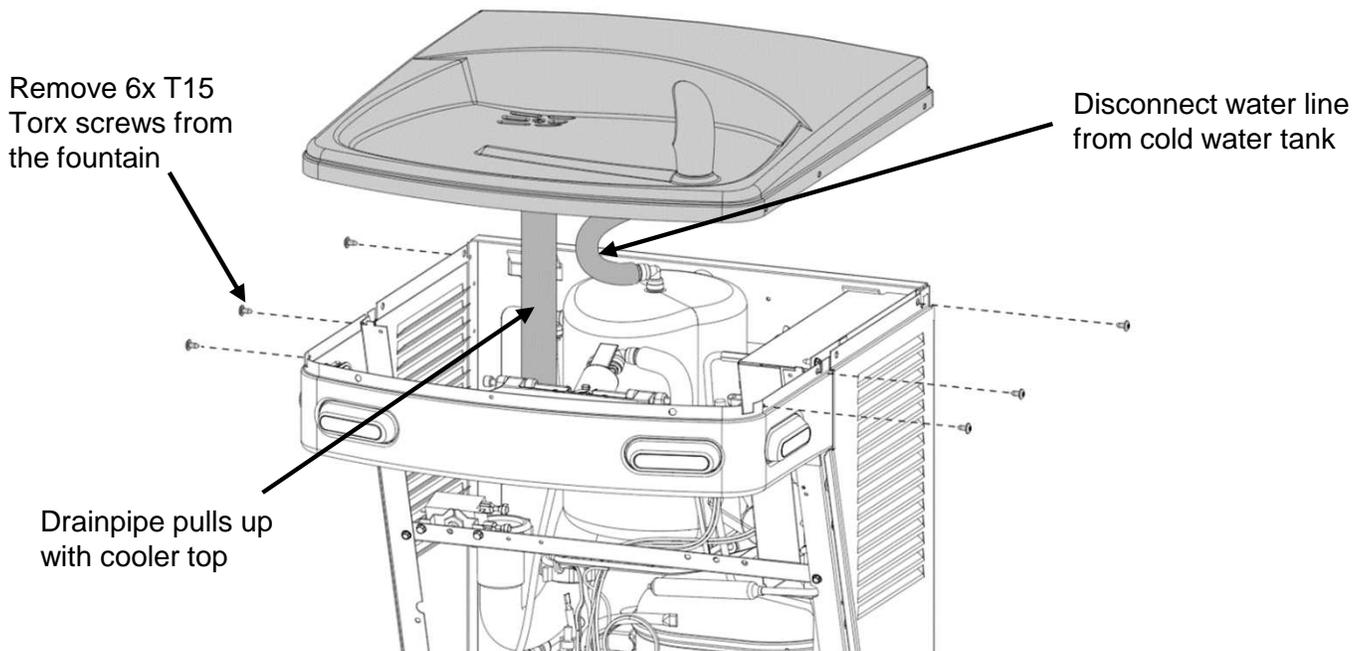
Loosen or remove 2x #8 Hex Screws

Remove 2 Screws
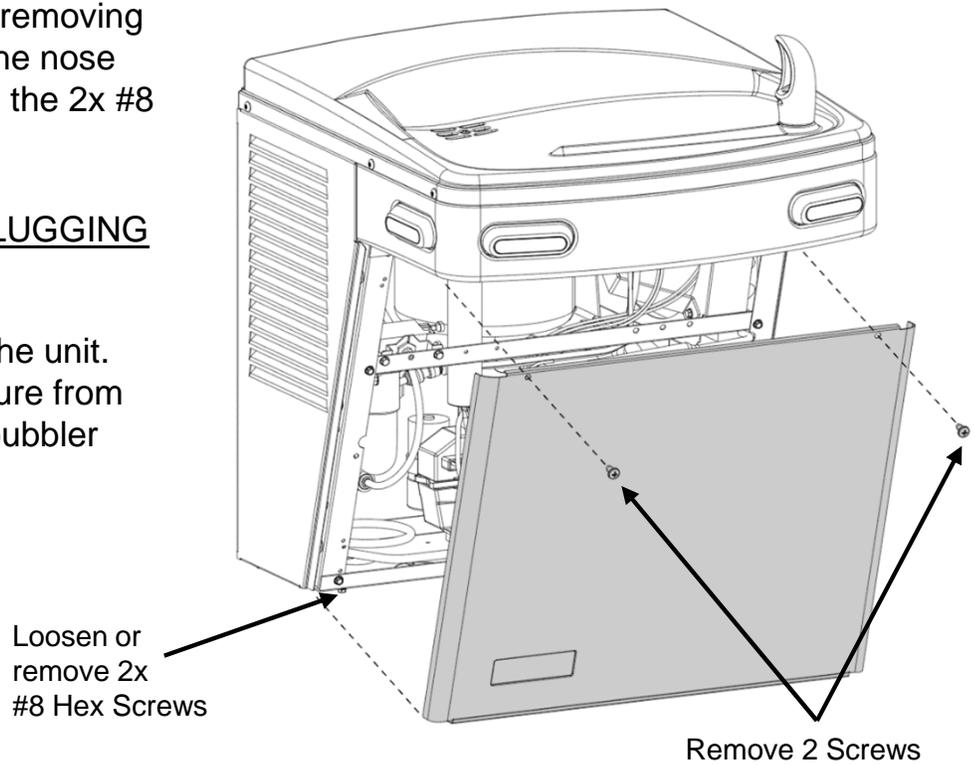
4. Loosen or remove the P-trap so that the fountain nose assembly may be freely removed in the next step.

Loosen or Remove

5. Remove fountain nose assembly. **Tool: T15 Torx Driver**

Remove 6x T15
Torx screws from
the fountain

Disconnect water line
from cold water tank

Drainpipe pulls up
with cooler top

6. Remove the cooler nose assembly. On the Contractor's Choice Model, be sure to carefully remove the cold control. Keep the two cold control assembly screws. **Tool: ¼" Nut Driver**

Mounting
Screw

Mounting Screws
(Contractor's
Choice Only)

Cold Control
Mounting Screw
(Contractor's Choice
Only)

Mounting Screw
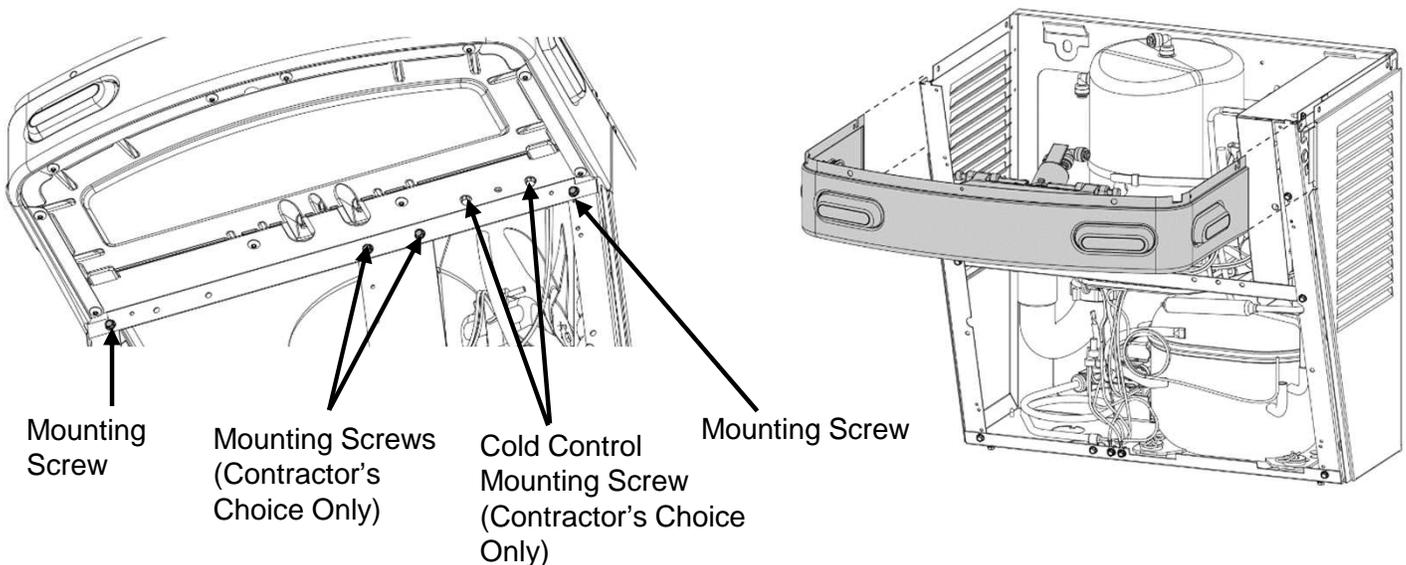
CONTRACTOR'S CHOICE MODEL: The cold control will be unsupported at this point. Secure it as necessary and ensure the cap tube does not kink.

7. Remove the 1/4"OD water source line plumbed directly into the cooling tank or plumbed directly to the cartridge valve on the cooler nose assembly removed in <u>Section 5: Step 6</u>.

9. Remove the cooling tank water outlet line attached to the cooling tank outlet but do not remove the elbow fitting.

In future steps after the frame assembly is installed the Inlet Line on the Versafilter III head assembly will be connected to the Water Source Reducing Fitting and the Outlet Line on the head assembly will be connected to the Cooling Tank Water Inlet Fitting.

Cooling Tank Water Outlet

Cooling Tank
Water Inlet Fitting

Remove 1/4"OD
Water Source Line

Water Source
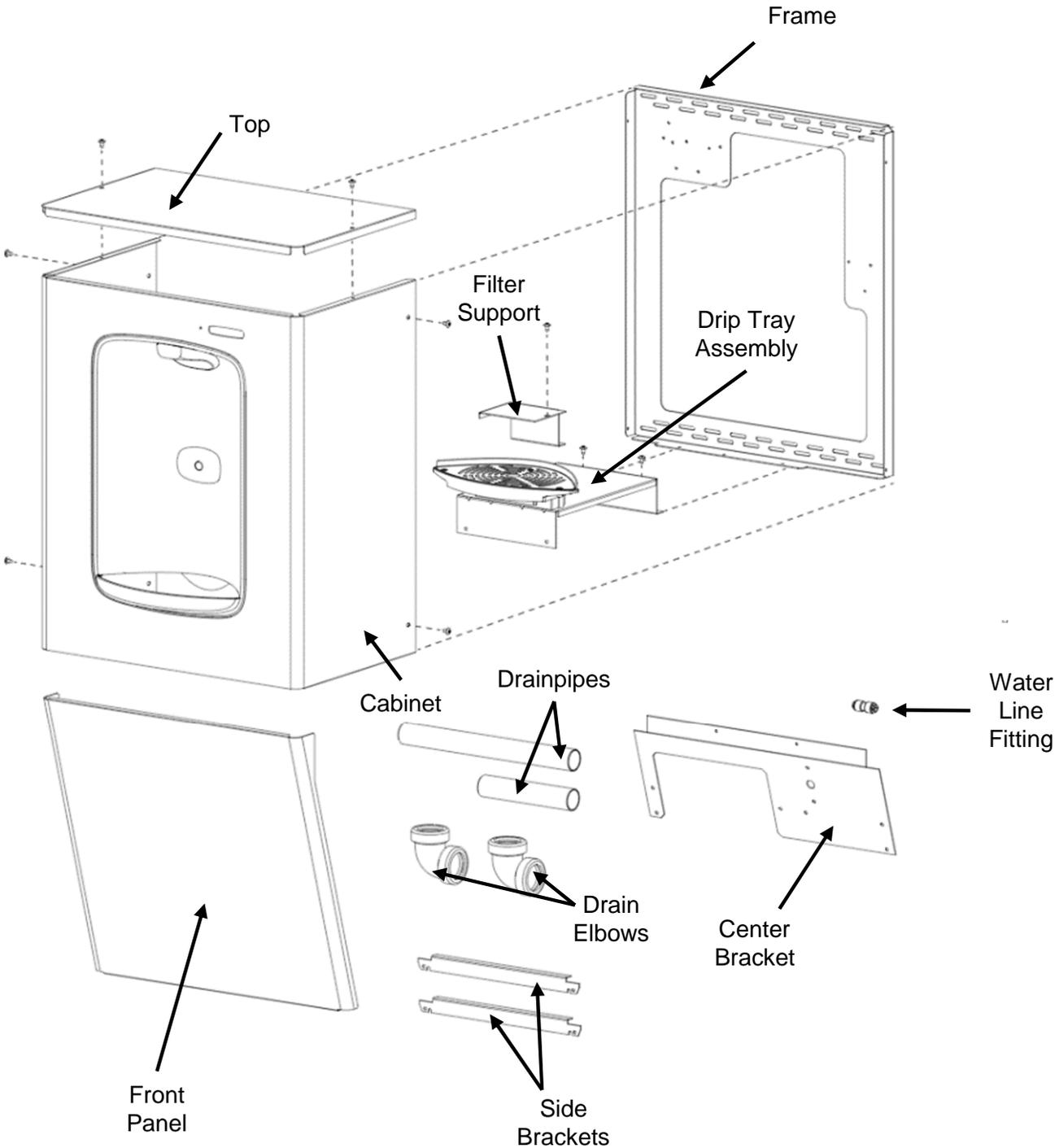Reducing Fitting

9
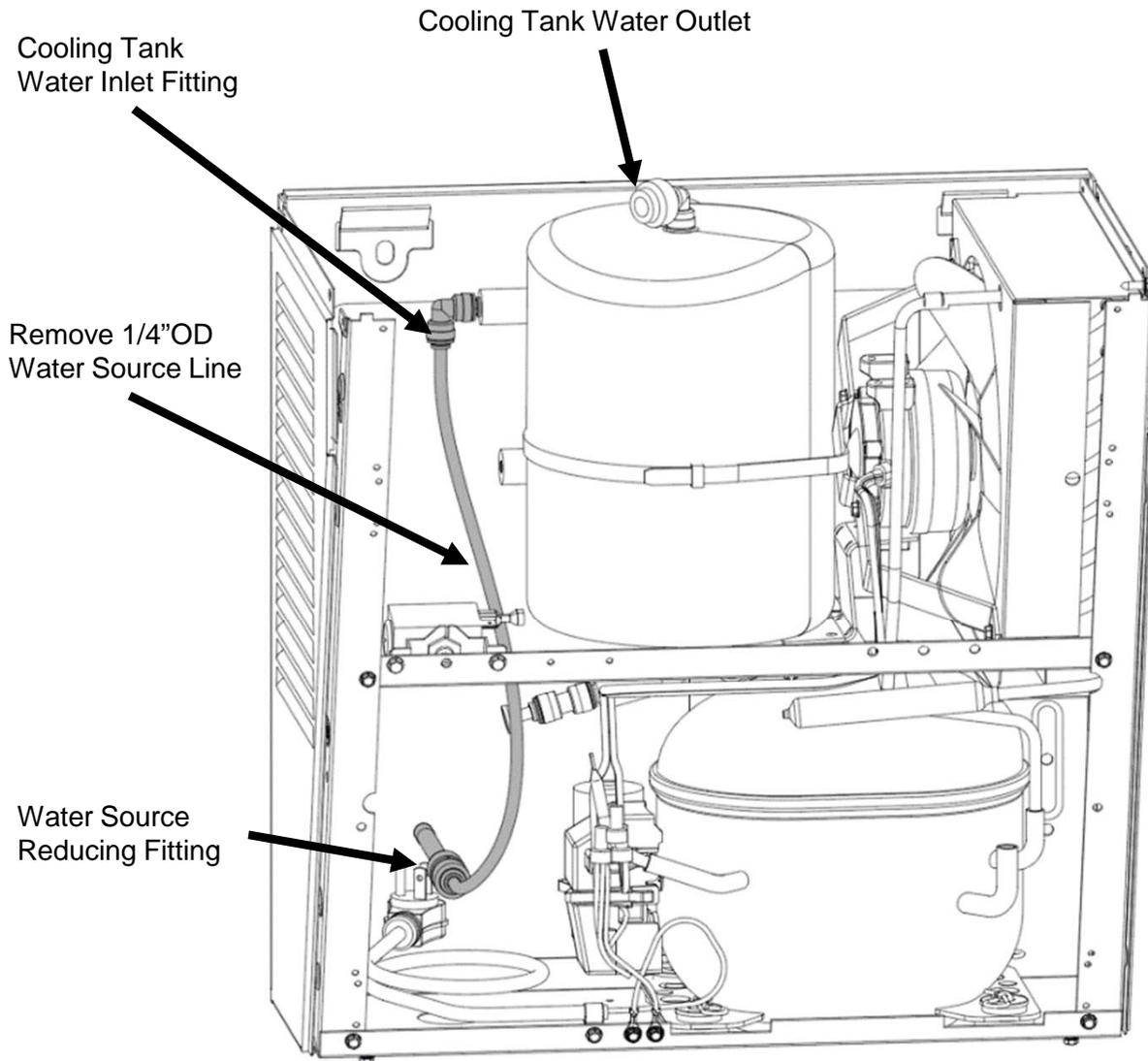
Shown above is the correct water line orientation

SINGLE LEVEL INSTALLATION

- **Assembly of Cabinet**
- **Wiring**
- **Plumbing**

1. The unit comes partially assembled for shipping. Remove the kit from the packaging and separate it into the assemblies and components shown below. Filters not shown attached to the frame.
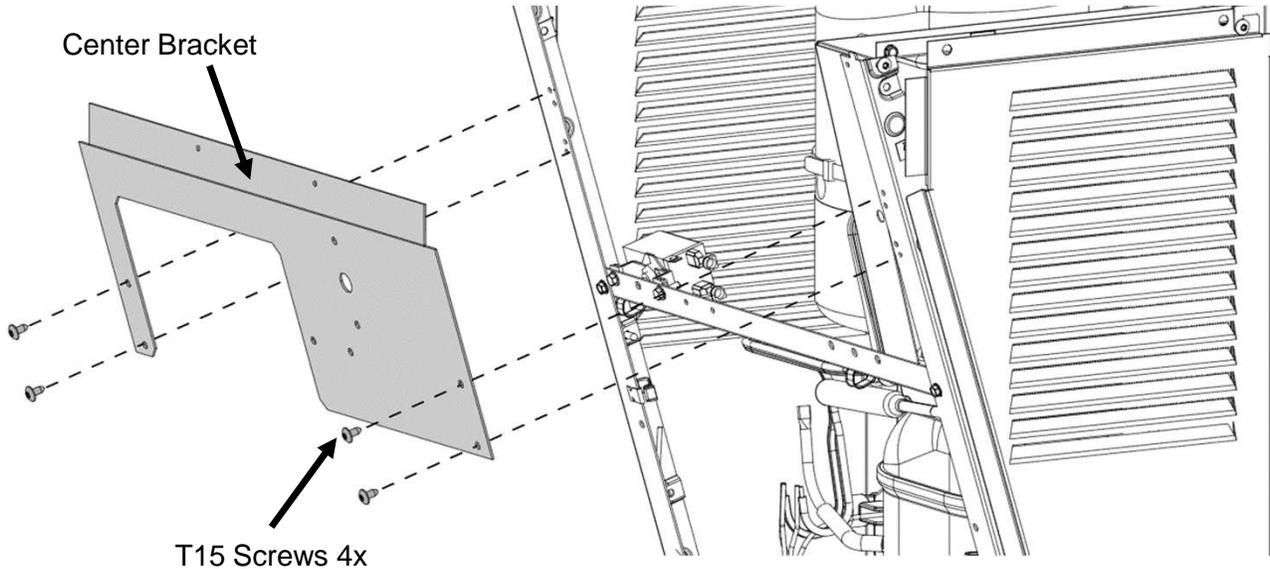
Tool Needed: T15 Torx bit

Frame

Top

Filter Support

Drip Tray Assembly

Drainpipes

Cabinet

Water Line Fitting

Drain Elbows

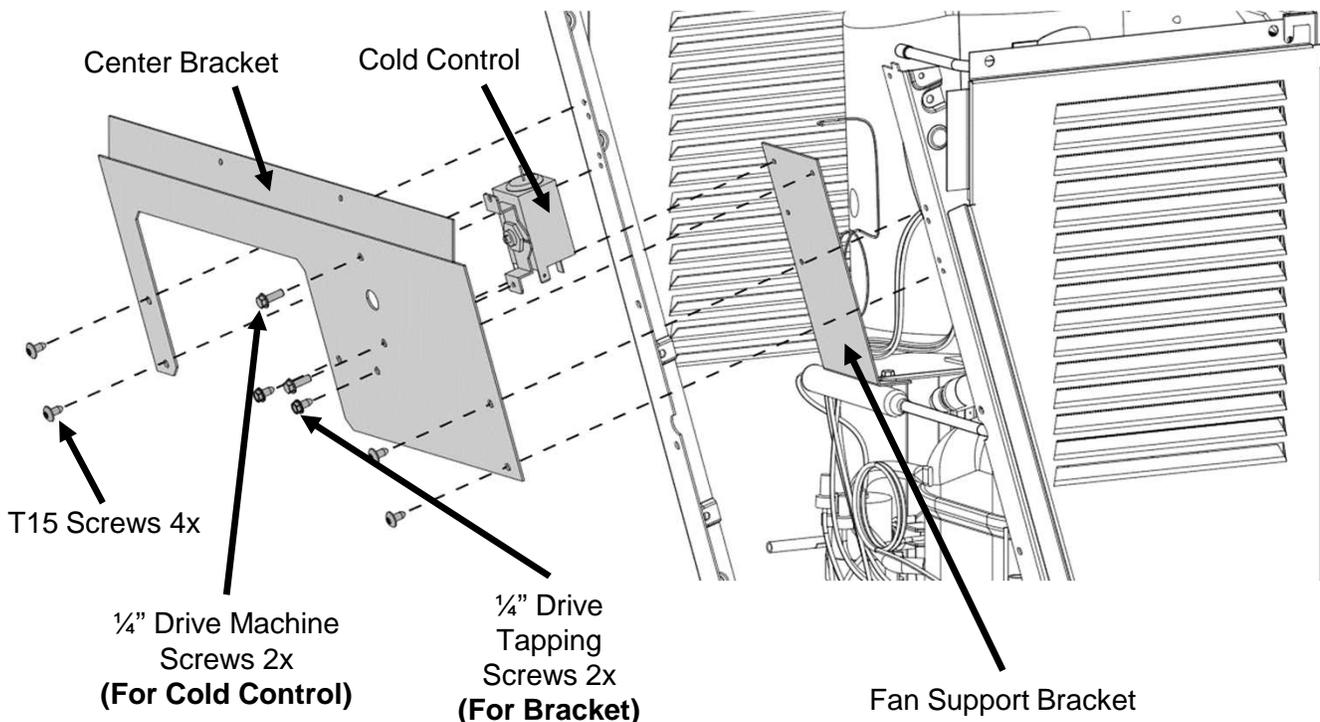Center Bracket

Front Panel

Side Brackets

2. Assemble the center bracket to the holes in each of the cooler struts with 4x T15 Torx screws.

Original P8AC Model: DO NOT RELOCATE COLD CONTROL ON THIS MODEL

Center Bracket

T15 Screws 4x

Contractor's Choice Model:

After affixing the center bracket to the cooler, assemble the cold control to the center bracket using the original machine thread screws that were on the unit. Assemble the fan bracket to the center bracket with the original ¼" drive screws.

Center Bracket   Cold Control

T15 Screws 4x

¼" Drive Machine
Screws 2x
(For Cold Control)

¼" Drive
Tapping
Screws 2x
(For Bracket)

Fan Support Bracket

12

3. Assemble the two side brackets to the unit with two T15 Torx screws each. The brackets are identical and will work on both sides of the unit.
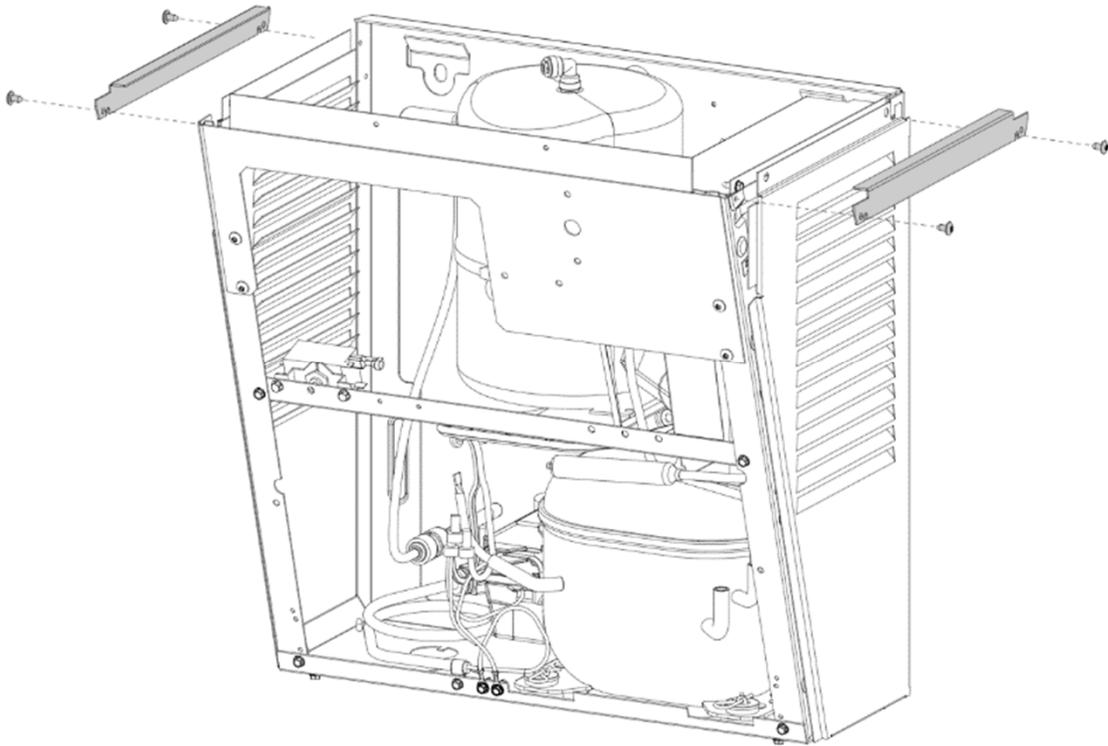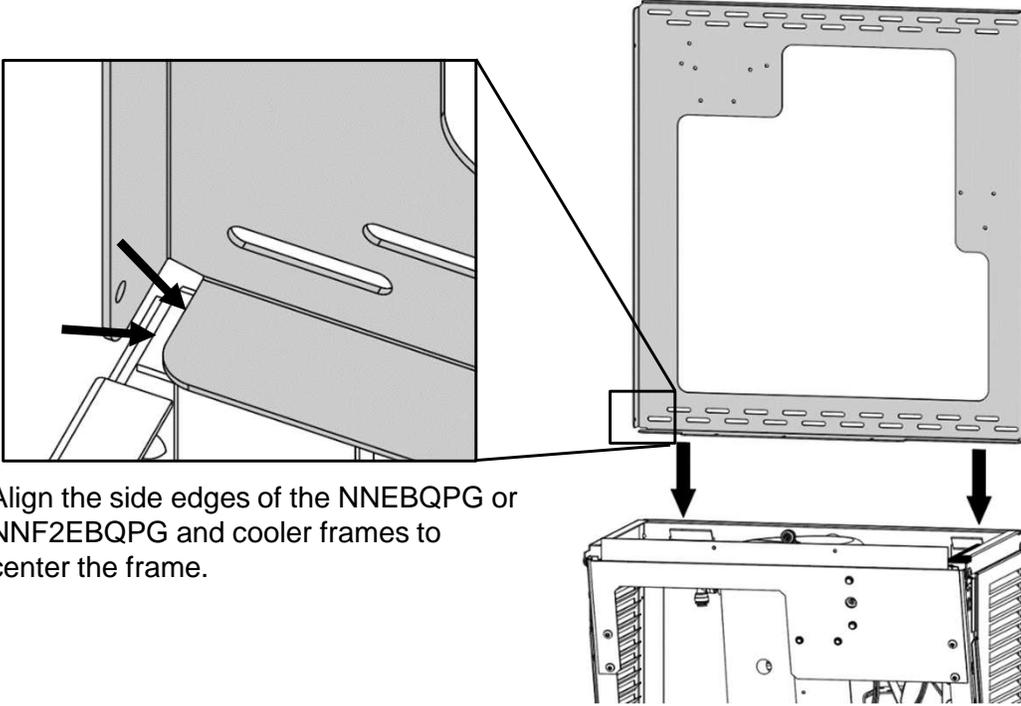

Align each bracket as shown. Use the clearance hole to attach the screw in the cooler strut (away from the wall) and use the slot to attach the bracket in the rear (closer to wall).
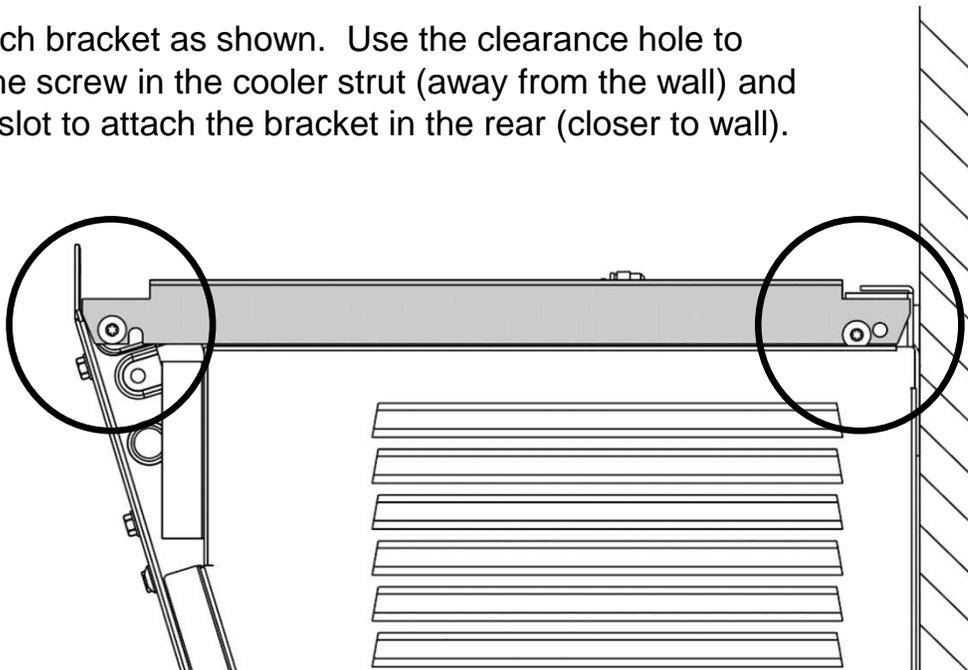
4. Without taking the cooler off the wall, place the retrofit frame assembly against the wall and set it onto the top flange of the cooler frame. Filters not shown attached to frame.

Align the side edges of the NNEBQPG or NNF2EBQPG and cooler frames to center the frame.

5. Affix the frame assembly to the wall with at least 4 anchors into any appropriate anchor points through the staggered slotted holes. **Be careful to ensure the frame stays centered on the cooler frame.**
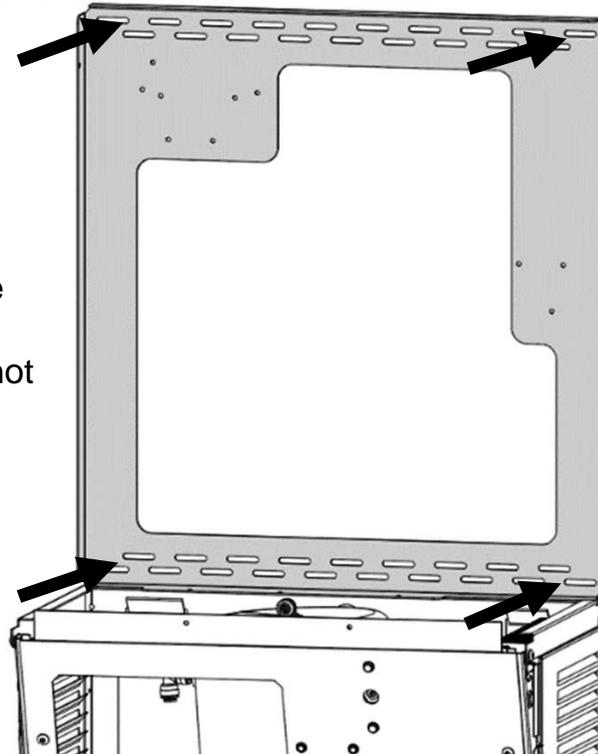
Choose a minimum of 4 anchors appropriate for the surface the unit is being mounted to. Anchors are not provided.

6. With 4x T15 Torx screws, assemble the drip tray assembly to the center bracket and wall frame.
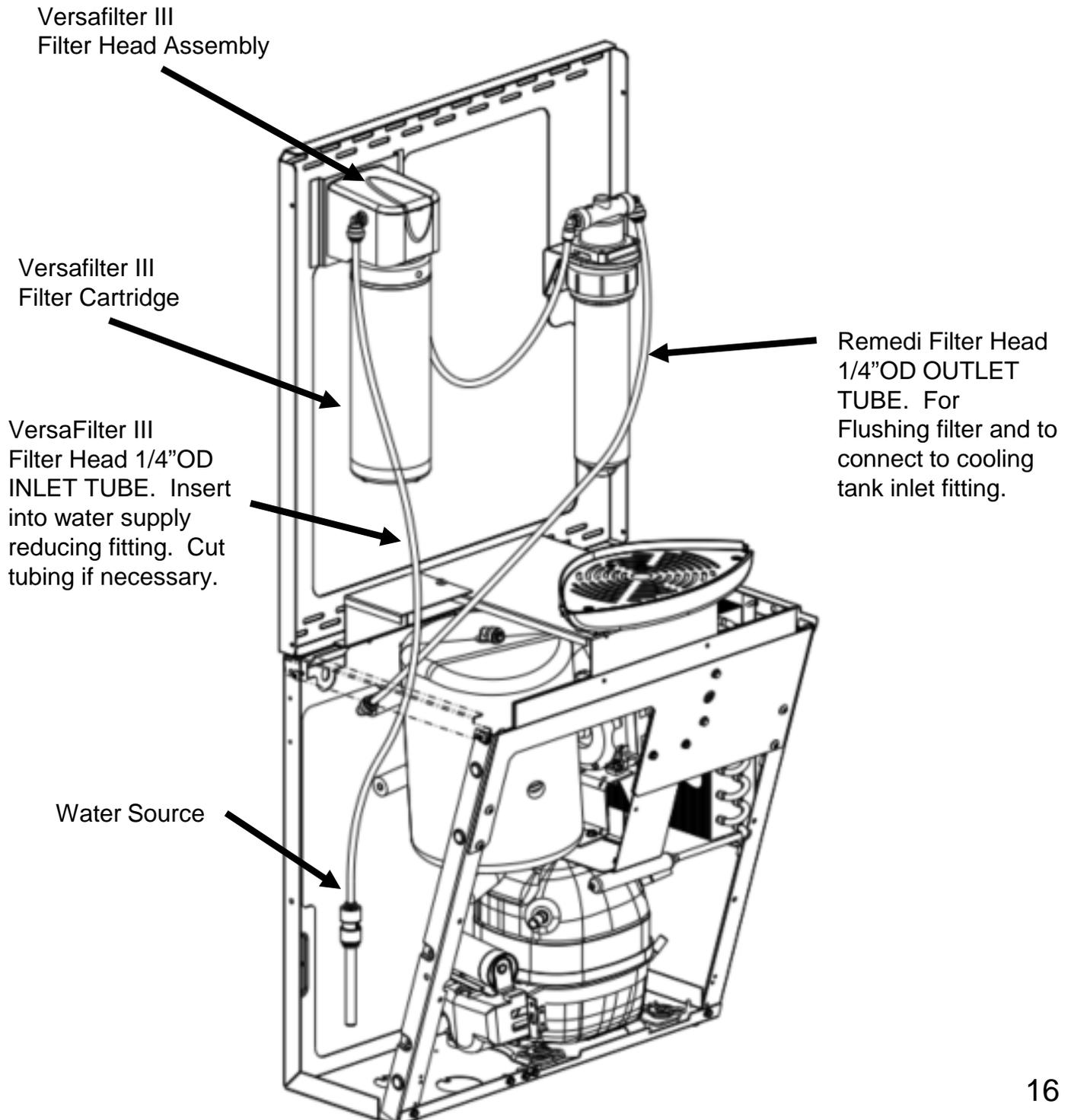
Put IN FRONT OF center bracket
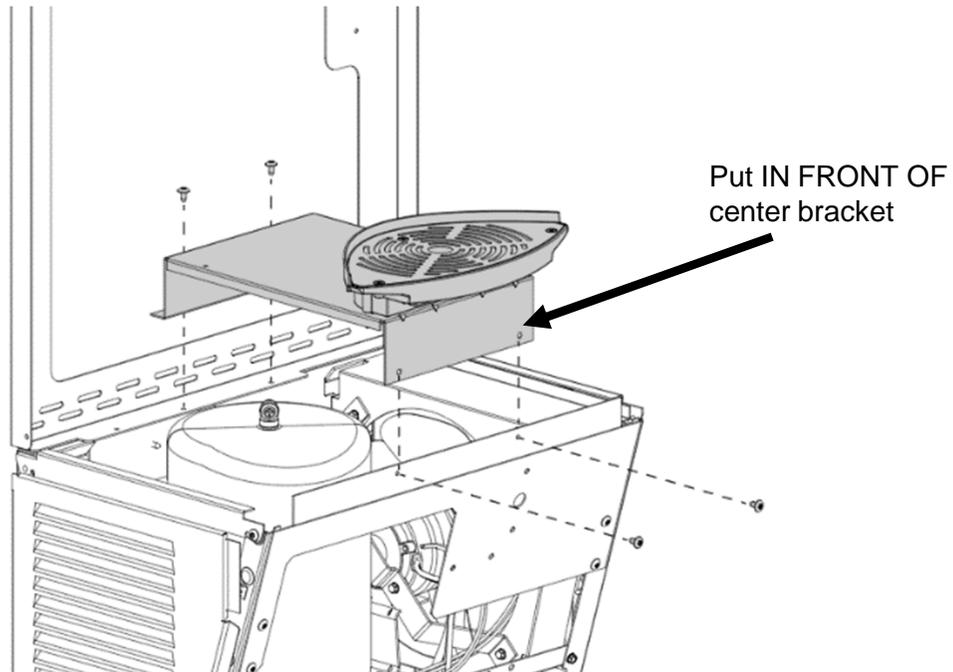
7. Attach the filter support bracket with 2x T15 Torx screws to the frame and drip tray support bracket. This bracket helps to prevent the filter cartridge from falling into the cooler unit below during installation or replacement.
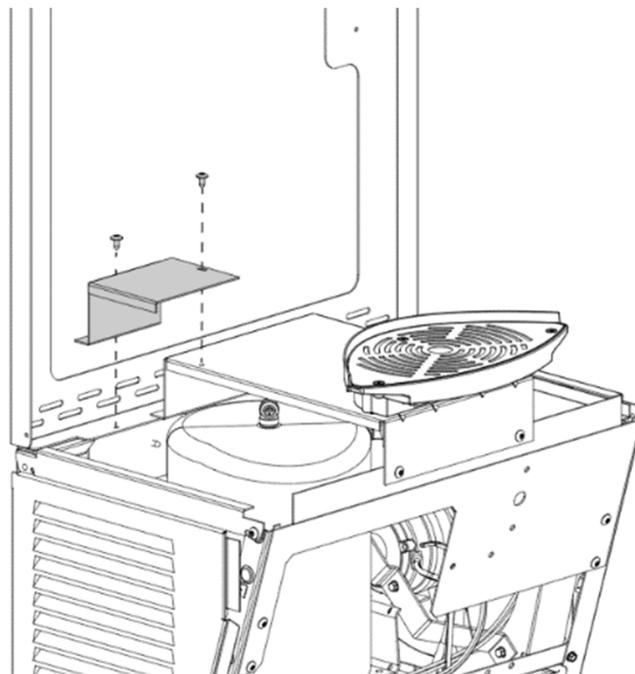
8. Insert Versafilter III Filter Head Inlet Tube into water supply reducing fitting. Install VersaFilter III filter cartridge to Filter Head Assembly. See instructions on filter cartridge for Installation Instructions and for Filter Flushing Instructions. Direct Filter Head Outlet Tube to a container to collect water for flushing the filter. Turn ON water supply. Flush till water is clear. When flushing is complete, turn OFF water supply, insert Filter Head Outlet Tube into cooling tank inlet fitting. Cut tubing if necessary.

Versafilter III
Filter Head Assembly

Versafilter III
Filter Cartridge

VersaFilter III
Filter Head 1/4"OD
INLET TUBE. Insert
into water supply
reducing fitting. Cut
tubing if necessary.

Remedi Filter Head
1/4"OD OUTLET
TUBE. For
Flushing filter and to
connect to cooling
tank inlet fitting.

Water Source

16

9. Attach one of the drain elbows to the drip tray stem. Insert the drainpipe provided into the elbow and then attach another elbow onto the pipe. Use the remaining drainpipe and connect the drip tray drainage system to the installed P-trap.

   NOTE: Drainpipes will need to be positioned and cut to length as needed.


Drain Elbows

P Trap

Drainpipes
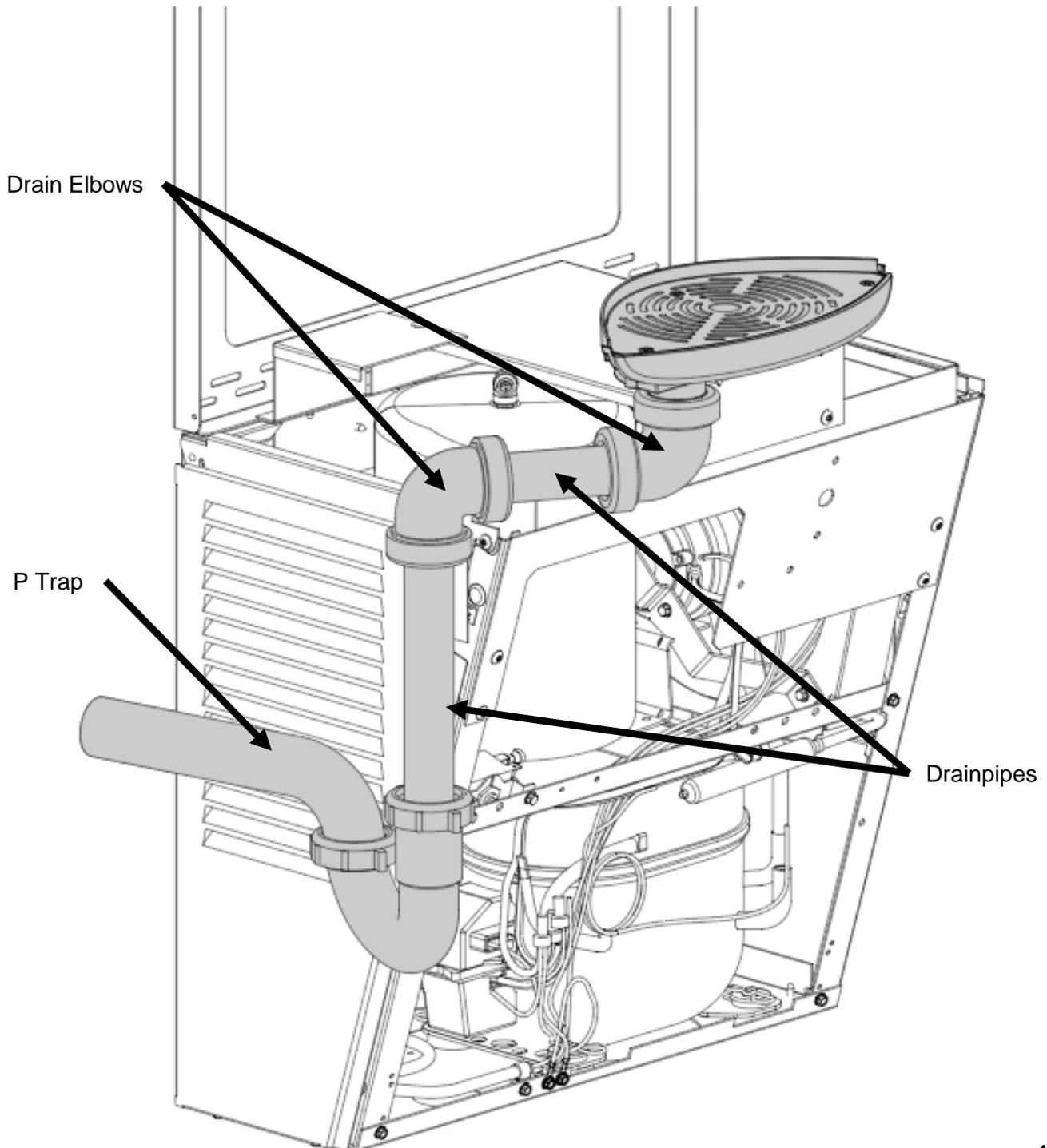
10. Assemble unit wrapper to the installed frame assembly. Rest the alcove on the drip tray and ensure the wrapper walls rest OUTSIDE of the frame and side brackets. Filters not shown attached to frame.

NOTE: The drip tray will hold the weight of the wrapper but it is recommended to keep a hold on the unit during installation for safety.
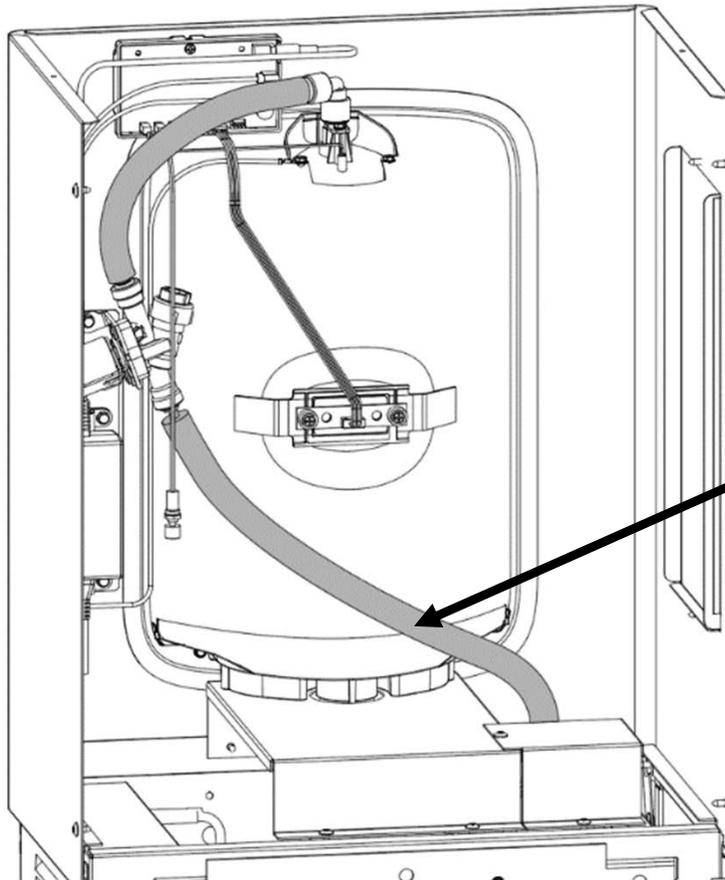

T15 Screws 4x
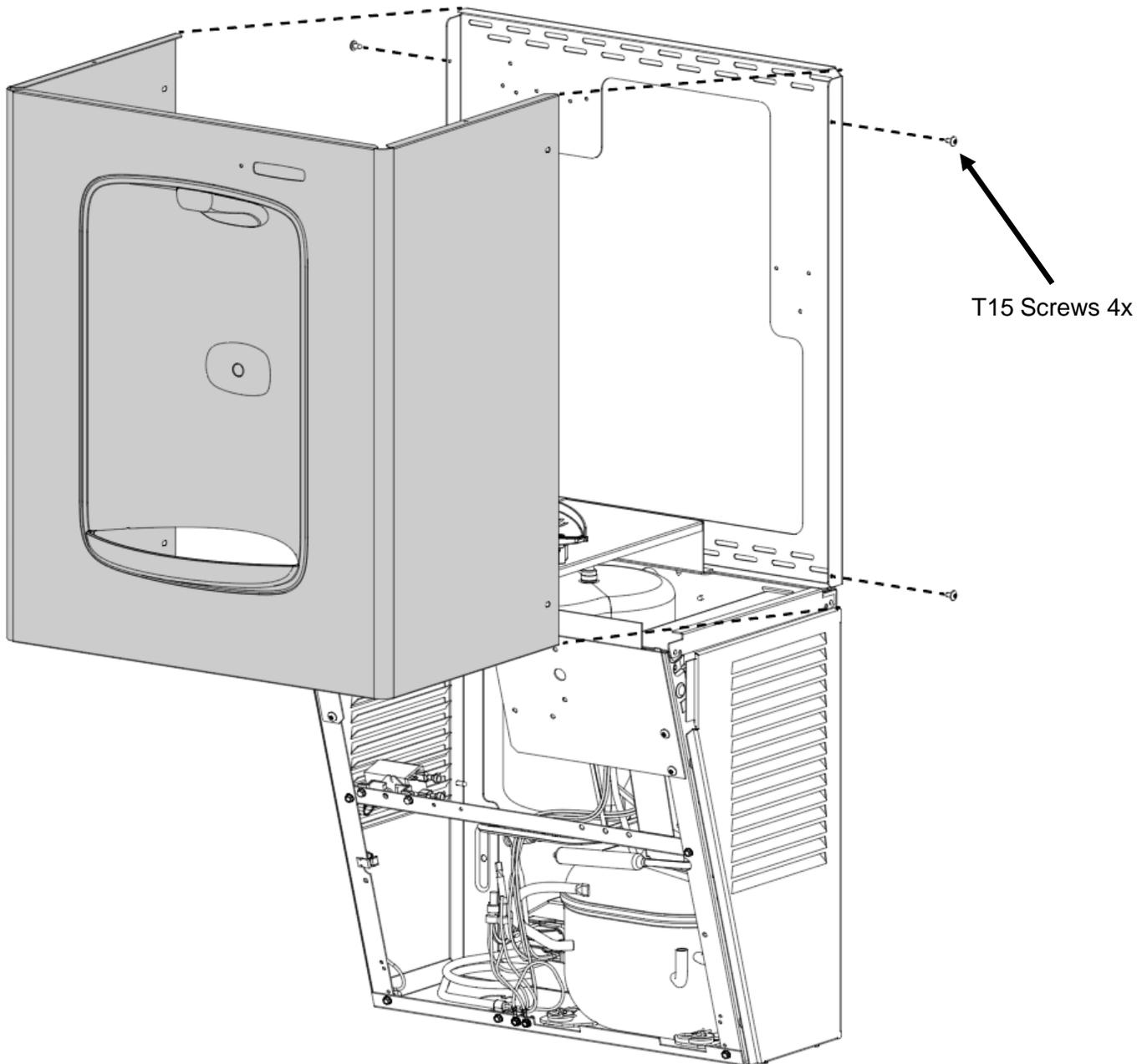
11. If the outer edge of the drip tray is not properly aligned, loosen the screws mounting the filter support and drip tray bracket to the frame and push forward or back as needed. Then retighten the screws.
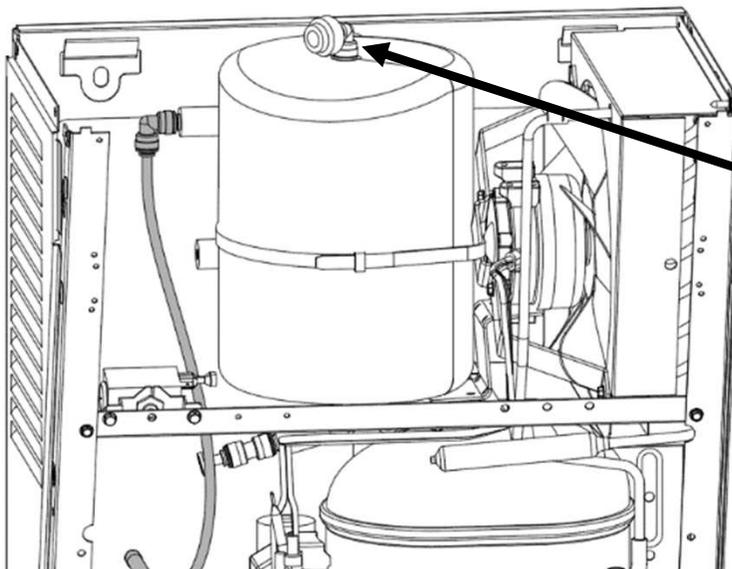
Slotted
Holes
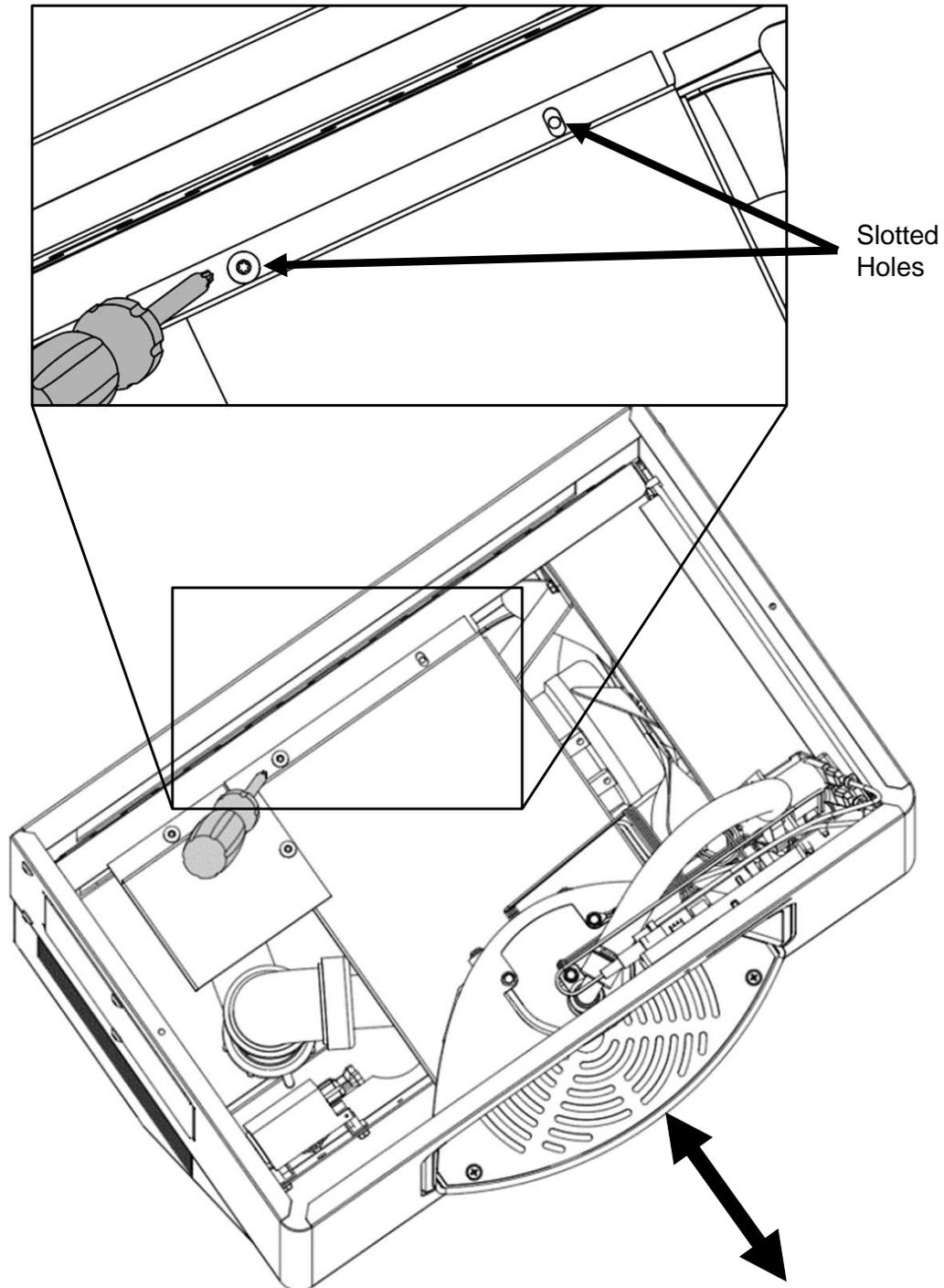
12. Attach the end of the provided ¼" water line with insulation tubing to the cold tank water outlet fitting at the top of the reservoir.

¼" Water Line With
Insulation Tubing
(Provided)

Cooling Tank
Water Outlet

13. Install the strain relieving P-Clip roughly 36" from the three-prong wall plug and attach to the fountain strut with the provided #8 Hex, tapping screw. Use the clearance hole shown in the image below.

14. Attach the ground ring terminal using the provided thread cutting machine screw to an available hole on the fountain strut.

15. Connect one of the IEC connectors to the power brick behind the alcove of the bottle filler. Ensure that the free IEC connect does not become an obstruction to any moving or electrical parts.

IEC Connector

Strain Relieving P-Clip

36"

Ground Terminal

IEC Connector
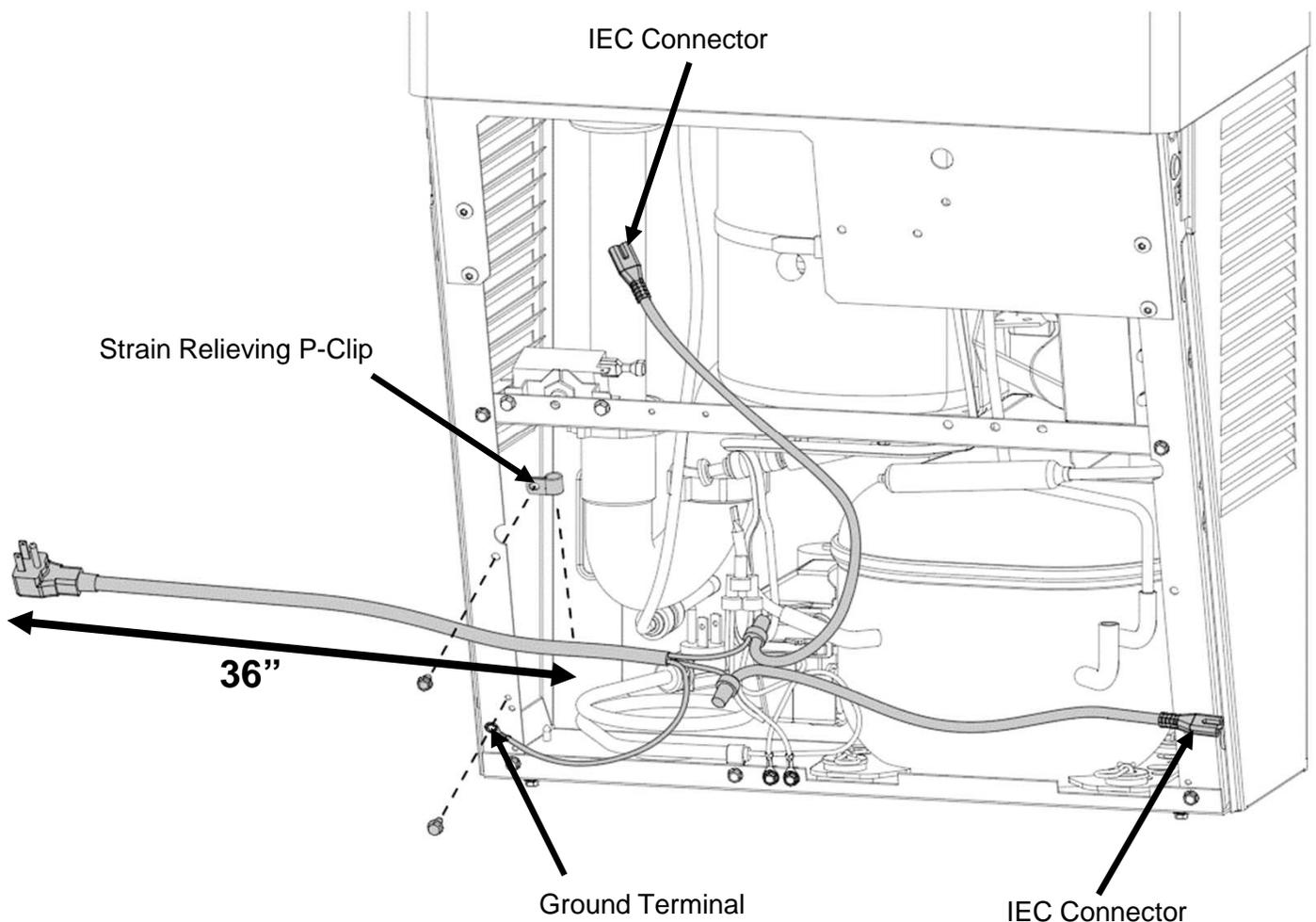
## 16. <u>IMPORTANT INSTRUCTIONS FOR QUASAR MODELS:</u>

REVIEW Section 2 & 3A: QUASAR UV-C LED OPERATION before proceeding. Failure to follow Section 2 & 3A can damage the QUASAR.

17. Turn ON water supply and check for leaks. Ensure nothing is obstructing the fan blade.

18. Plug bottle filler cord into the electrical outlet. The bottle filler will auto-calibrate and be set up specifically for that installation. Refer to the "SET-UP GUIDE FOR OASIS HANDS-FREE QUASAR BOTTLE FILLER ELECTRONICS" program guide for further programming. Access programing Pushbutton through top of Bottle Filler.

19. Place bottle in the bottle filler alcove to dispense water. Activate sensor for approximately 15 seconds to purge air out of the system. Remove bottle for 5 seconds to allow LED to cool. Repeat until a steady stream of water dispenses.

20. If everything works correctly, place the Top Cap onto the Bottle Filler and install the two (2) torx screws to fasten it in place.

Activate Bottle Filler
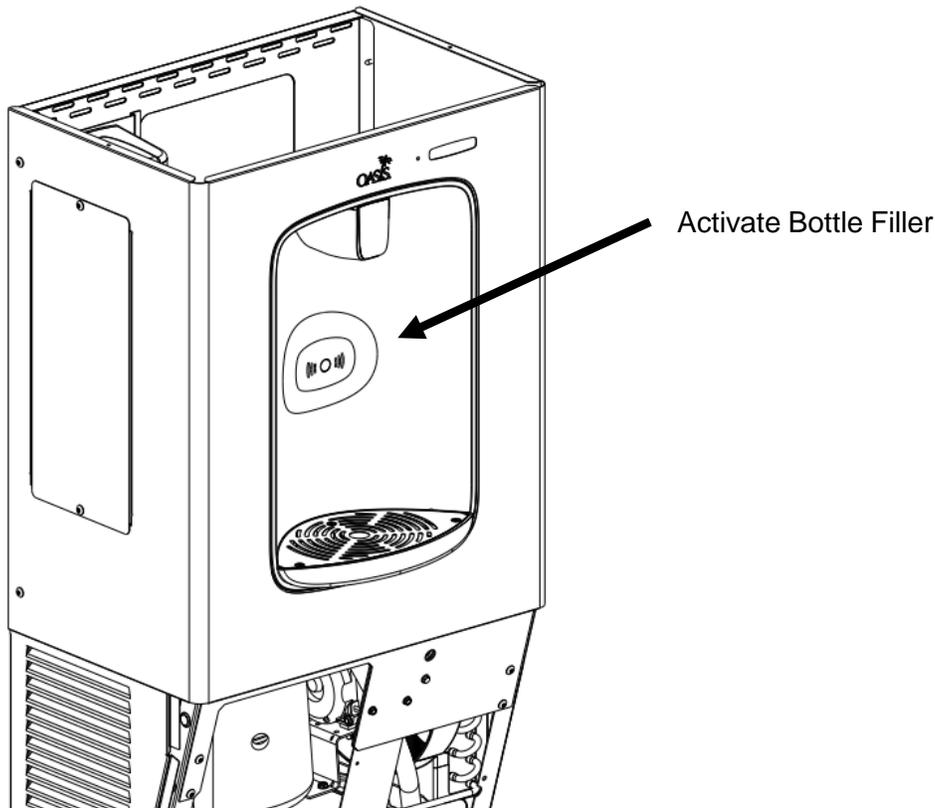
21. Once the unit has been verified to be functioning properly, install the front cover panel by inserting the top flange up between the wrapper and center bracket, then tipping the panel back to the fountain. Secure it with the 2x #8 hex screws at the base of the unit (refer to Step 3, page 5),

1

2
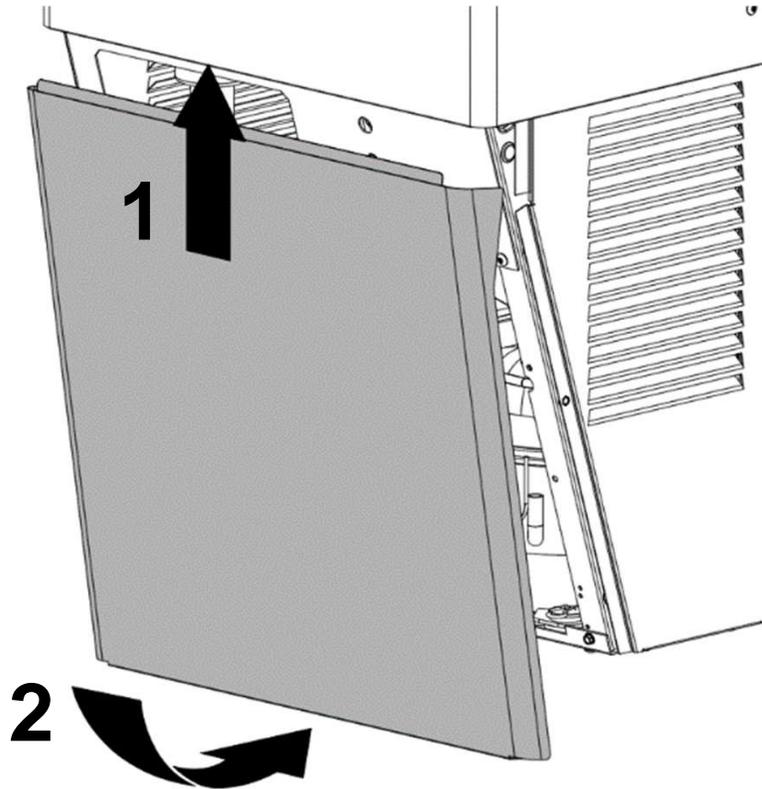
INSTALLATION COMPLETE
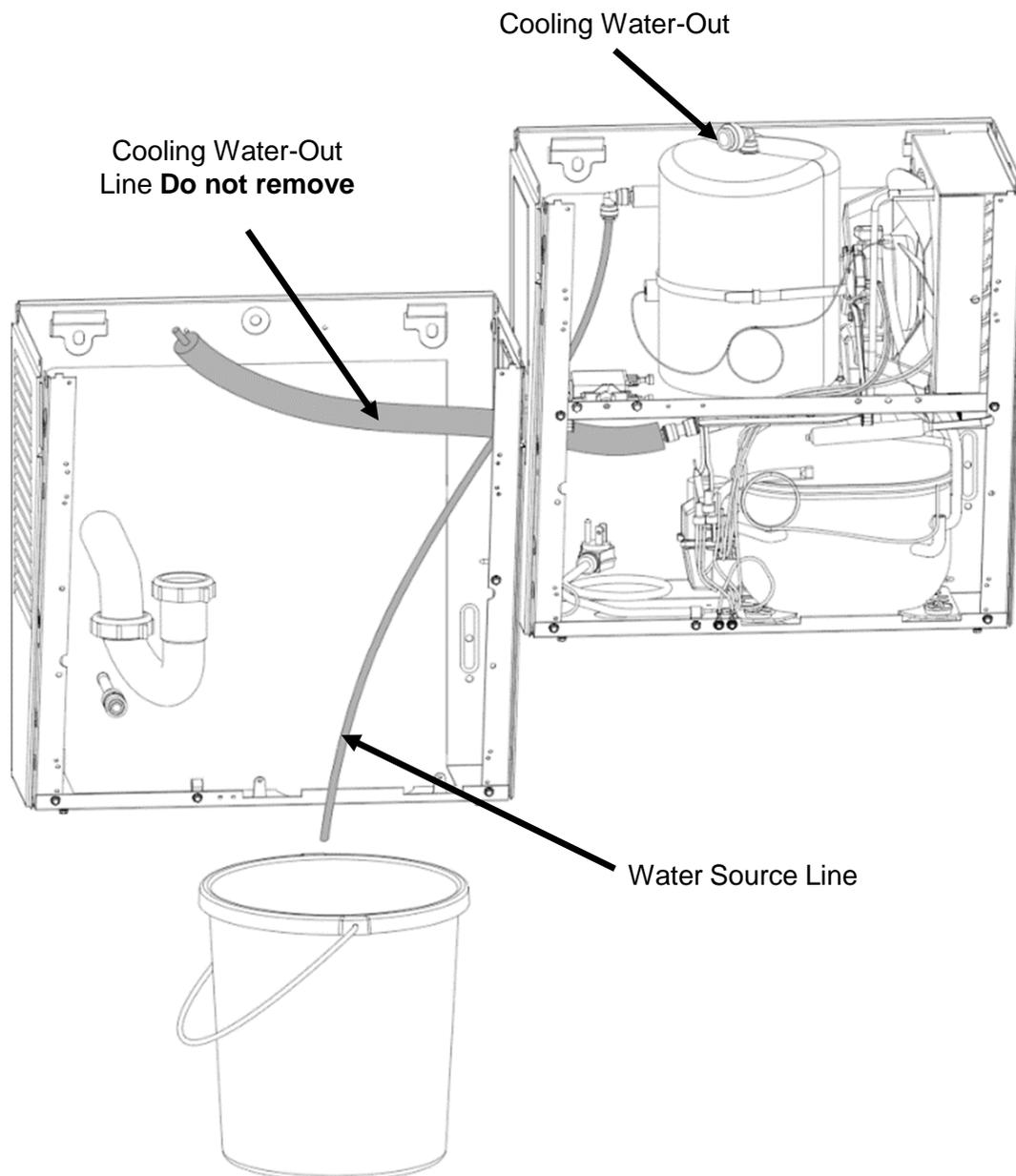
SPLIT LEVEL INSTALLATION

- **Assembly of the Cabinet**
- **Wiring**
- **Plumbing**

NNF2EBQPG:

NOTES:

1. * DIMENSIONS ARE REFERENCE ONLY.

2. ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS. 25
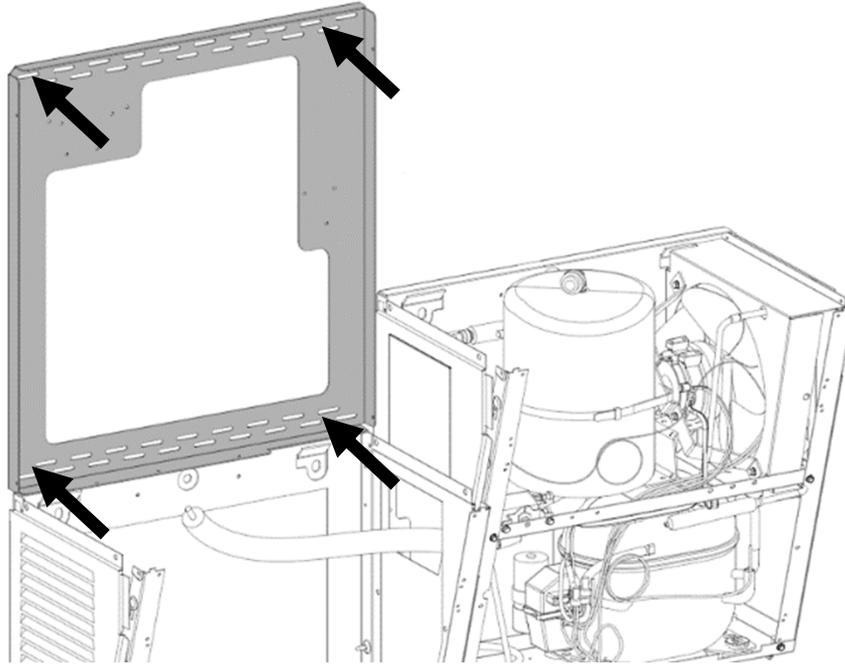
Section 8: Split Level Installation

1. Remove the fountain wrappers and nose assembly from each unit (refer to **pages 7-8**) to prepare the units for installation. Unplug the fountain unit and shut off their water source.

2. Remove the drainpipes between the units but do not remove the p-trap.

3. The split-level fountain cooling tank is already pressurized. Disconnect the water source line at the reducing fitting so that the two units are no longer connected. **Ensure the water source is turned off prior to this step.**

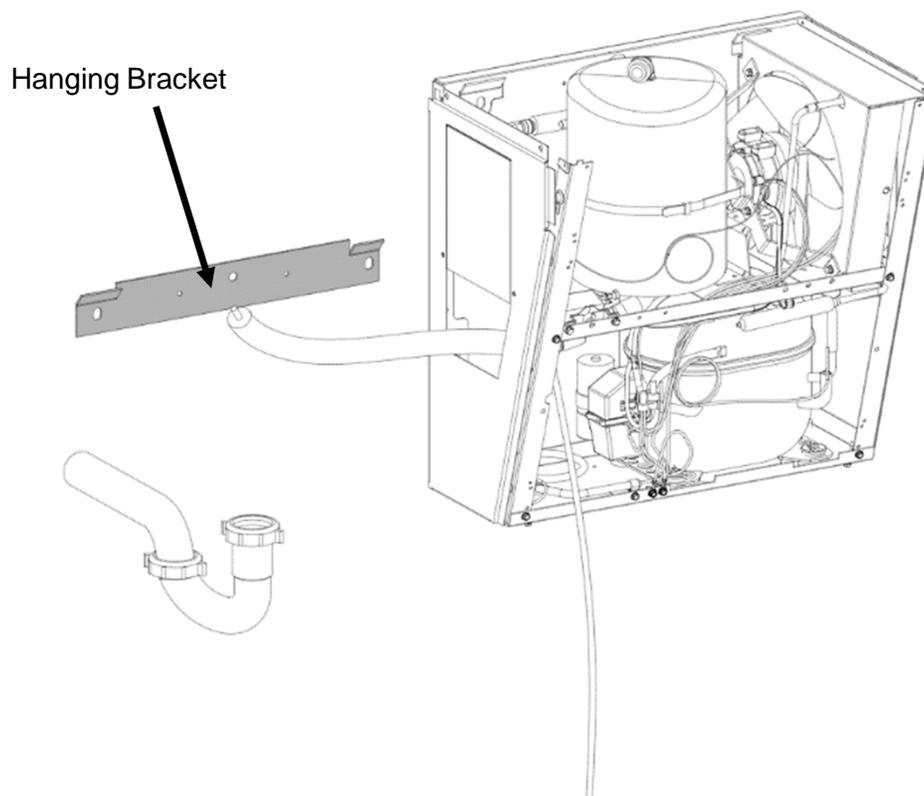   Note: **Have a water collection container ready to drain water from the lines.**

Cooling Water-Out

Cooling Water-Out
Line **Do not remove**

Water Source Line

4. Take one of the frame assemblies and center it on the dummy unit frame. Filters not shown attached to frame. Mark 4 appropriate holes for your chosen wall anchors (not provided) and then remove the frame to pre-drill the anchor points.
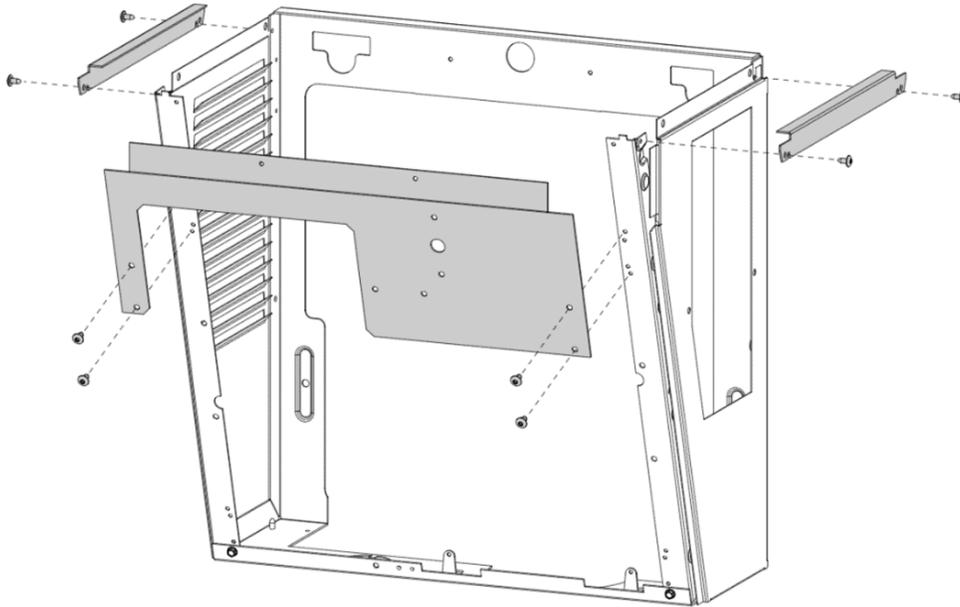

5. After the holes have been drilled, remove the dummy unit from the wall but **do not remove** the hanging bracket.
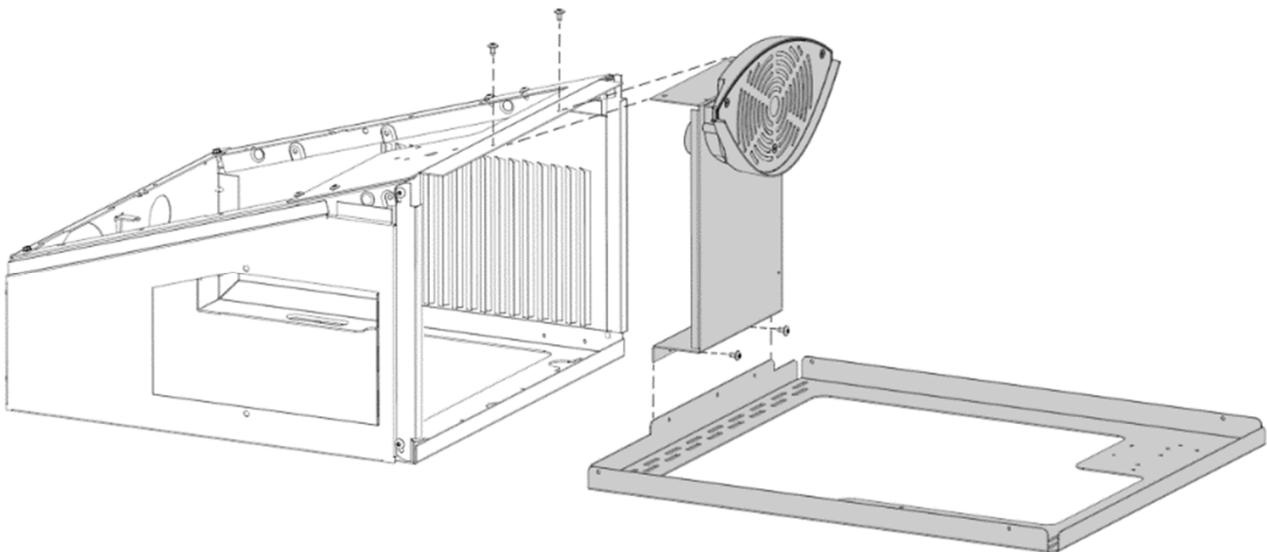

Hanging Bracket

6. Follow the steps on **pages 11-19** and assemble the kit to the **refrigerated side first.** Do not yet fully install the drainpipes and do not install the power cord.

7. While the dummy unit is still off the wall, install the center and side brackets from the second kit to the dummy unit frame. **Refer to pages 12-13.**


8. Lay the dummy unit on the floor and set the frame assembly onto the unit and then install the drip tray bracket assembly with the T15 Torx screws provided. Filters not shown. Refer to **page 15.**
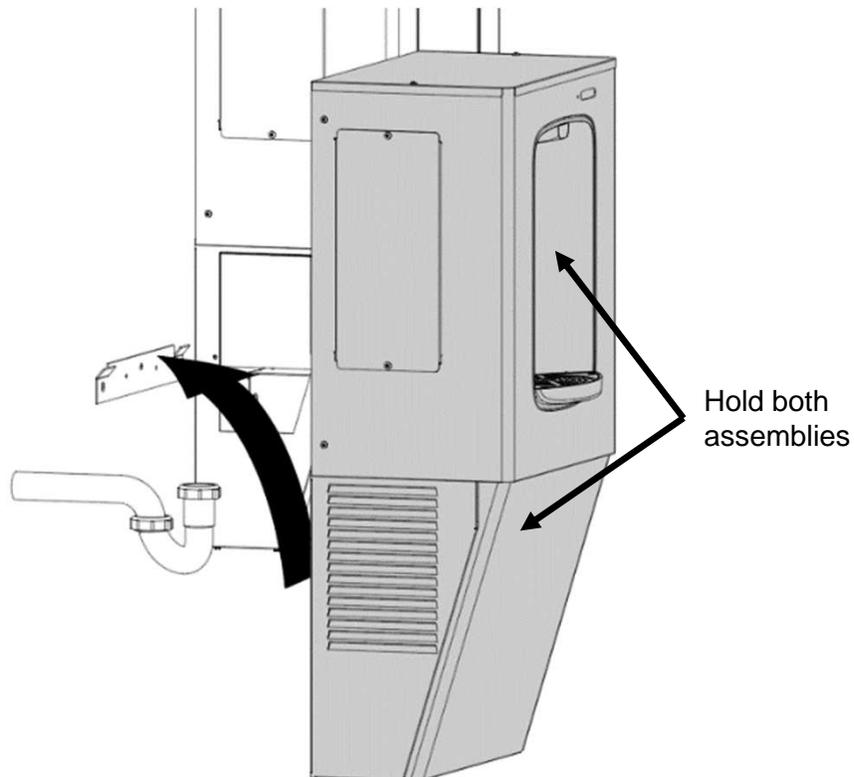
9. Remove the top panel from the wrapper assembly and lay the wrapper over the assembled frame and drip tray. Filters not s shown. Secure with 4x T15 Torx screws provided. Refer to **page 18.**
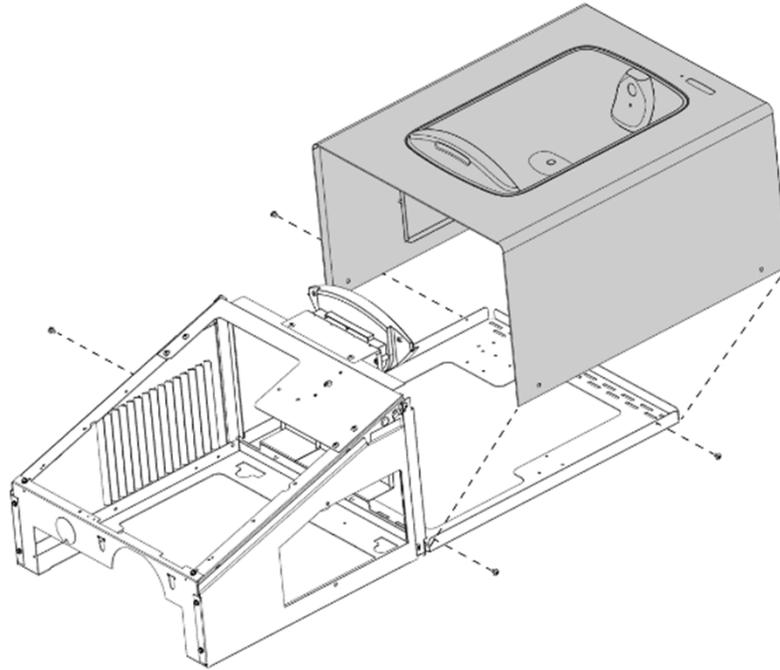

10. Carefully lift the assembled dummy unit by taking hold of the fountain frame and conversion kit. Hang the assembly back on the vacant wall hanging bracket.

Hold both assemblies

11. Ensure that the frame assembly and fountain are flat against the wall and install your 4 chosen wall anchors (not supplied) to secure the frame to the wall. Filters not shown. Ensure that the frame remains centered on the dummy unit frame. **Refer to page 14.**
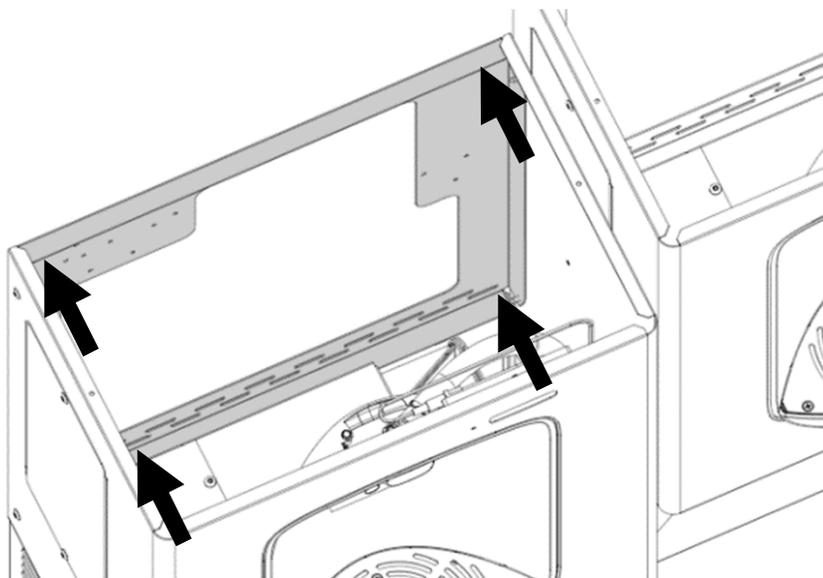
12. Install the Filter Guard Bracket. Refer to **page 15.**

13. Connect the two kits by re-installing the split level drainpipes to the drainpipes as shown below by connecting them to the drainpipes and fittings provided. Cut the provided drainpipes as needed.
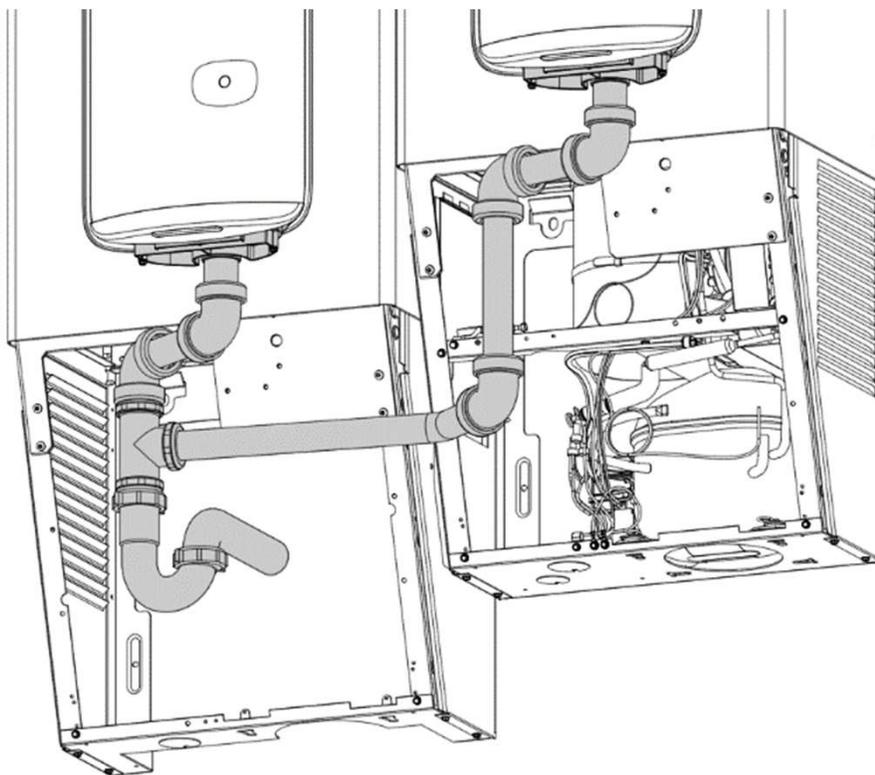
14. Remove the water source line at the cooling tank water inlet fitting. See Section 6: Step 8 for connecting Filter Head Water Inlet & Outlet Lines, installing the Filter Cartridge on the Filter Head and Flushing the Filters.
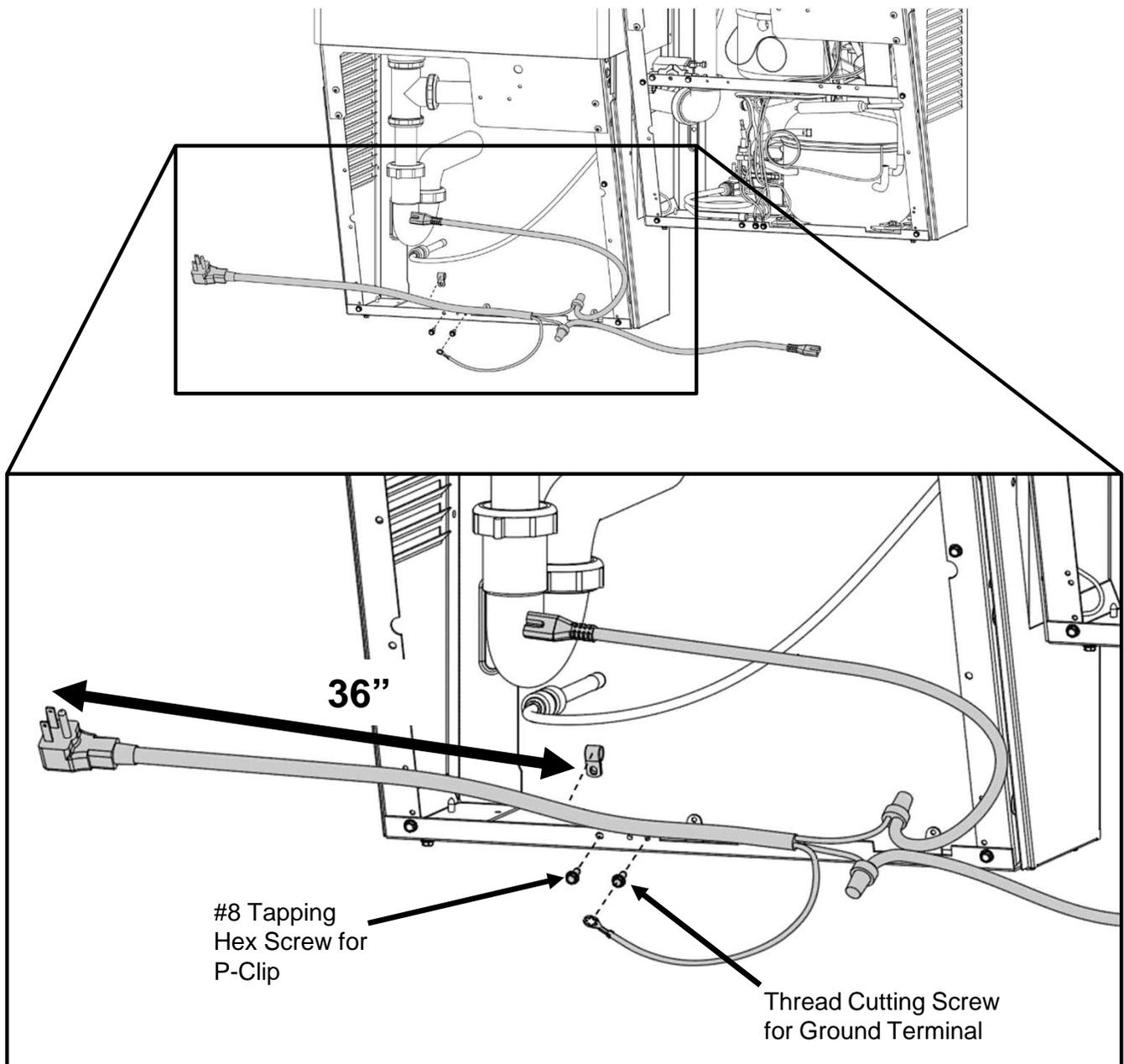
15. Only one of the power cords from the two kits will be used. Install the strain relieving p-clip roughly 36" from the three-prong wall plug. Secure the p-clip to the frame using the #8 hex tapping screw provided. **DO NOT plug in the unit.**

36"

#8 Tapping
Hex Screw for
P-Clip

Thread Cutting Screw
for Ground Terminal

16. Connect each of the power bricks in each conversion kit with one of each of the two IEC connectors. Ensure that the wires will not obstruct the fan blade.

Power Brick

IEC Connector
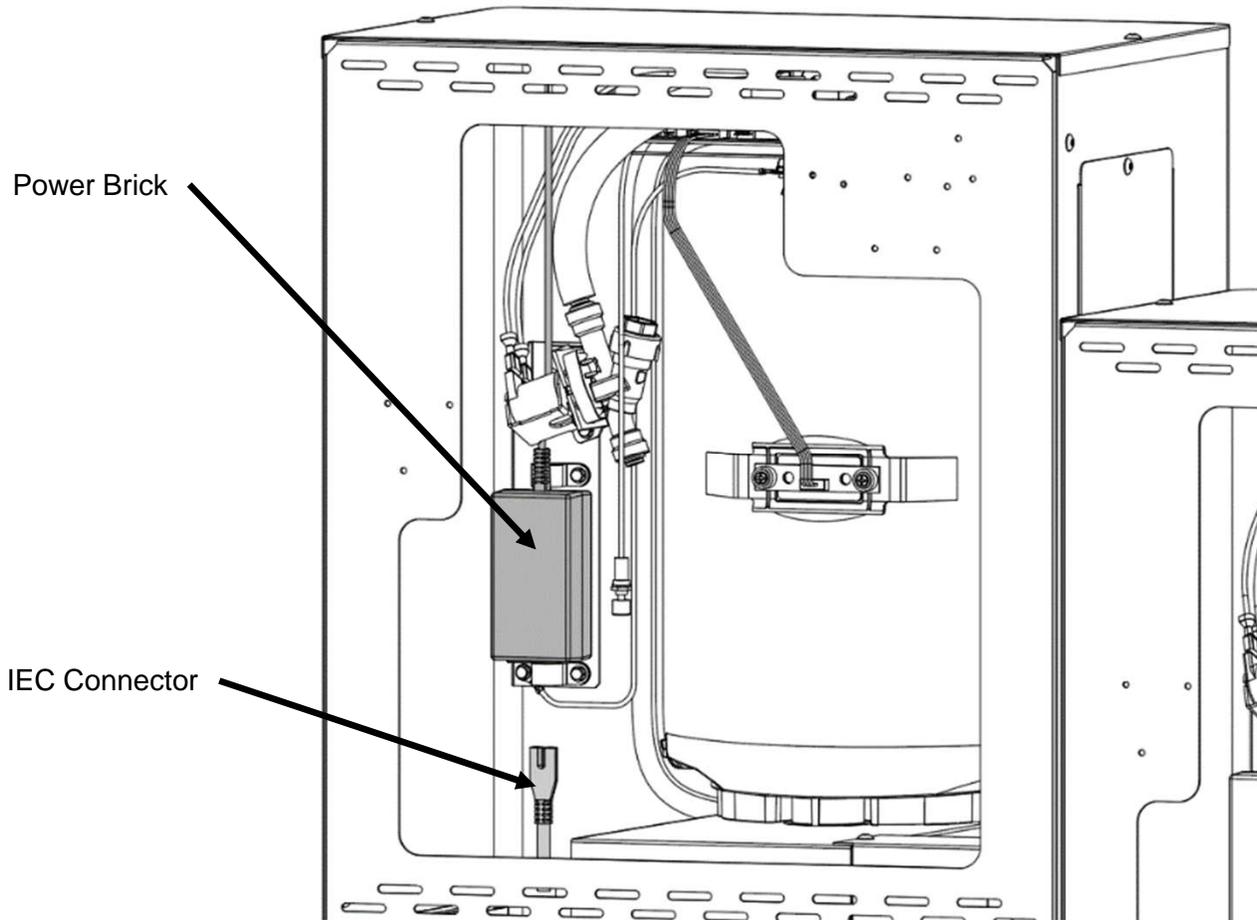
17. Connect the provided insulated water tubing to the cooling tank water out fitting. Refer to **page 20**.

18. **Refer to page 22 for <u>IMPORTANT INSTRUCTIONS FOR QUASAR MODELS</u>.**

19. Plug in both power cords into the duplex outlet and check for proper functions.

20. Install the fountain front panels (refer to **page 23**). Next, install the top and filter access panels (if removed) to complete the retrofit kit installation.

OWNER'S COPY
BOTTLE FILLER 1-YEAR LIMITED WARRANTY

ONE YEAR: The Manufacturer promises the original purchaser (user) to repair or, at the Manufacturer's option, to replace any part of this bottle filler which proves to be inoperative due to a defect in material or workmanship under normal use, **for a period of one year from the date of sale**. During the one year warranty, the Manufacturer **will**, through its approved service center or factory repair department, provide labor and parts necessary to correct such inoperative condition at no charge, provided the water cooler has been installed and operated in accordance with the written instructions furnished with the water cooler.

The cost of labor required to disconnect and reconnect plumbing and electrical connections will be the responsibility of the user (owner).

GENERAL PROVISIONS AND EXCLUSIONS:
This warranty applies only within the Continental Limits of the United States of America and Canada.

This warranty does not apply and no agreement, either expressed or implied, shall be applicable if the affixed serial number is removed, defaced or obliterated.

This warranty does not apply if service of the sealed refrigeration system or parts furnished as original equipment by the Manufacturer are not obtained from an approved service center or the factory.

This warranty does not apply to any water components that become inoperative due to liming conditions.

This warranty does not apply to any bottle filler or components that become inoperable because of a failure to satisfy standards or regulations adopted by any government or agency thereof subsequent to the date of shipment from the factory.

This warranty does not cover performance, failure or damages of any part resulting from external causes such as alterations, abuse, misuse, misapplication, corrosion or acts of God.

WARNING
The warranty and the agency certifications / listings for this machine are automatically voided if this machine is altered, modified, or combined with any other machine or device. Alteration or modification of this machine may cause serious flooding and/or hazardous electrical shock or fire.

Except as set forth herein, THE MANUFACTURER MAKES NO OTHER WARRANTY, GUARANTEE, OR AGREEMENT, WHETHER EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING ANY IMPLIEDWARRANTY OF MERCHANTABILITY OR FITNESS FOR A
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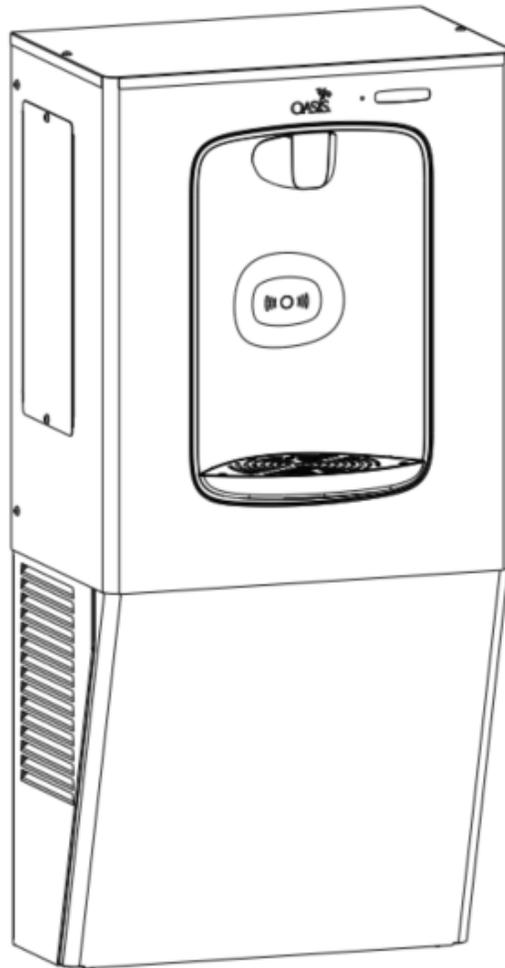
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Model NNF2EBQPG Chilled Bottle Filler Retrofit Kit for OASIS P8AC Water Coolers

Installation Instructions

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