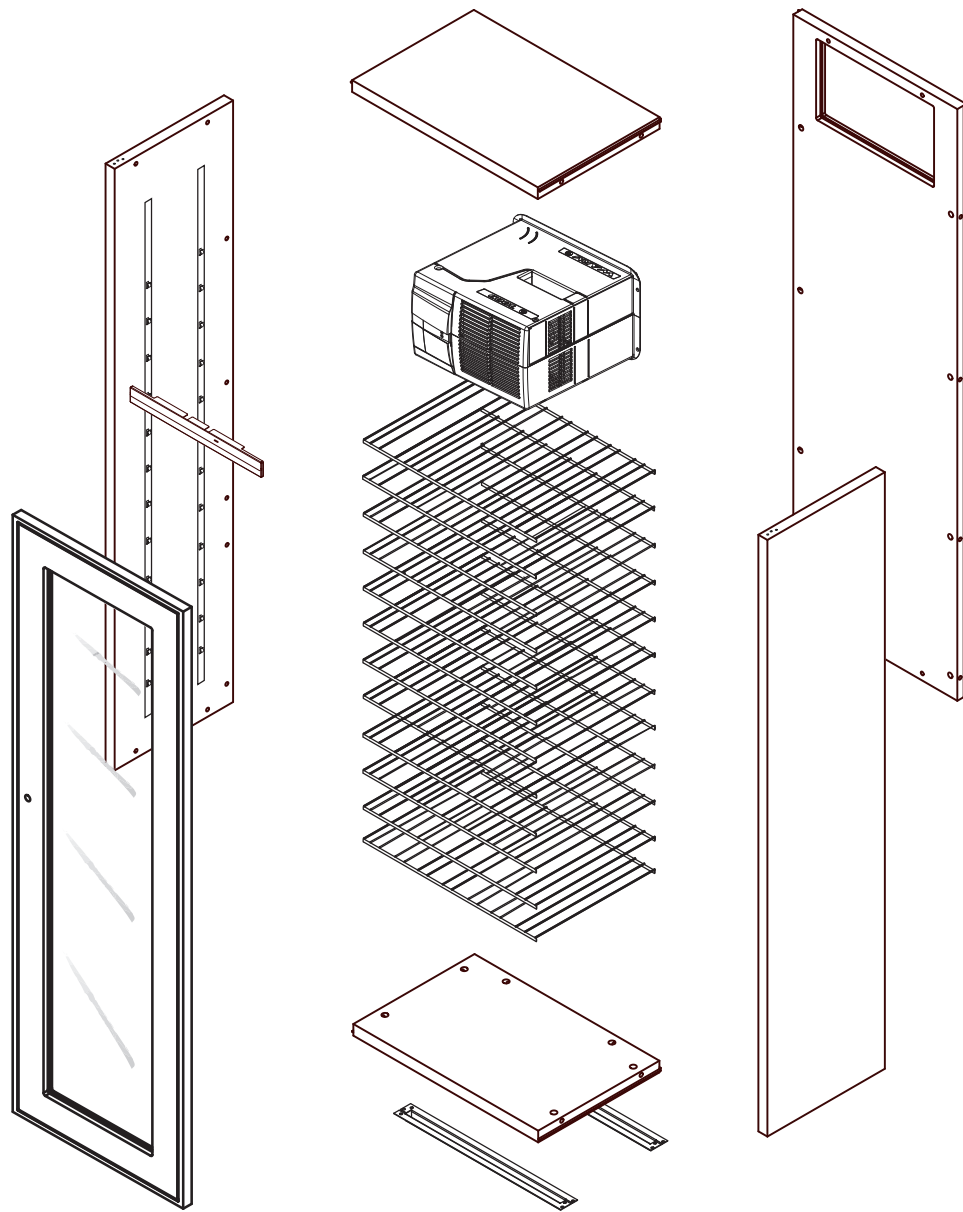


CELLAR **nuvo**

110/220

KOOLSPACE™



ASSEMBLY & OPERATION MANUAL

READ BEFORE YOU START

1. LOCATING YOUR WINE CELLAR - Remember, it is not an appliance, it is a piece of furniture

- A. Provide 4” minimum clearance for both sides and back, keep the top completely clear. Under no circumstances should the unit be “built-in” in any way.
- B. **Never** locate your wine cellar outdoors or in an area with extremes of temperature and humidity.



Garages, attics, unfinished basements, laundry rooms, breezeways, closets, bedrooms or any unventilated room. In other words these units must be installed in air-conditioned environments which do not “trap” the warm air being exhausted.

- C. Temperatures in surrounding area must not exceed 80 °F (25 °C) with humidity levels not to exceed 70% R.H. (Relative Humidity). Never set your temperatures below default (57°F) whenever ambient conditions are warm (above 75°F) or humid (above 50%R.H.).
- D. Outlet power must be a DEDICATED separately fused, grounded, 15 Amp 110 - 120 V line or 7.5 Amp - 240 V line rated for your unit (**CHECK BOX OR SERIAL NUMBER LABEL ON UNIT FOR YOUR LINE VOLTAGE REQUIREMENTS**).
- E. You must monitor your unit DAILY. If unit is in “Alarm”, unplug the unit immediately. Always check for any water (condensate) leaks.

Vintage Keeper will not be liable or responsible for incidental or consequential damages. (See Warranty).

- F. Place unit in a clean area and allow access to the exterior surfaces for periodic vacuuming of the condensor coil. (See troubleshooting for details.)
- G. Always remove all bottles before relocating your wine cellar.

2. AREA FOR ASSEMBLING YOUR WINE CELLAR

Choose a clear 12’ by 12’ area with a level floor and carpeting to help reduce scratching of surfaces.

3. TOOLS

- * Hex wrench (included)
- * Phillips screwdriver
- * Carpenter’s level
- * Helper or two is strongly recommended

4. TEST THE COOLING UNIT

Plug it in for a few minutes on a table top, to verify that controls and display are functional, and that the unit is producing cool air after a few minutes of operation.

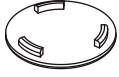
Note that the electronic controller has a one-minute cautionary delay between initial plug-in and start-up of the compressor.

BEFORE YOU START !

NOTE: Fill out the WARRANTY REGISTRATION FORM with the serial number located on the LEFT SIDE of unit.

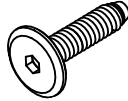
HARDWARE KIT

A



Cam Cap
x 20 (x24)*

B



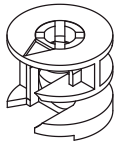
Hex Bolt
x 14

C



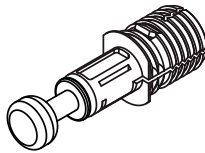
Hex Wrench
x 1

D



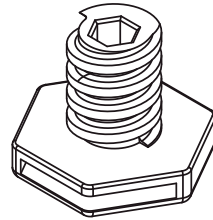
Cam
x 20 (x24)*

E



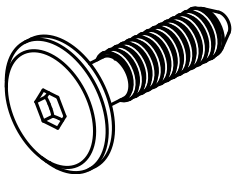
Cam Pin
x 20 (x24)*

F



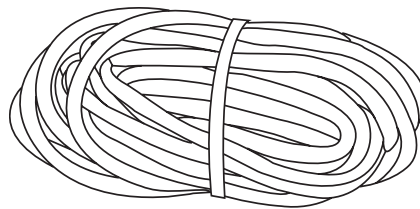
Leg
x 4

G



In Cooling Unit Box
Hex Bolt (Flange)
x 2

H



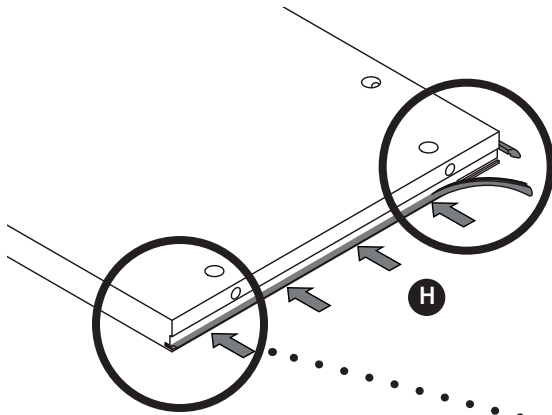
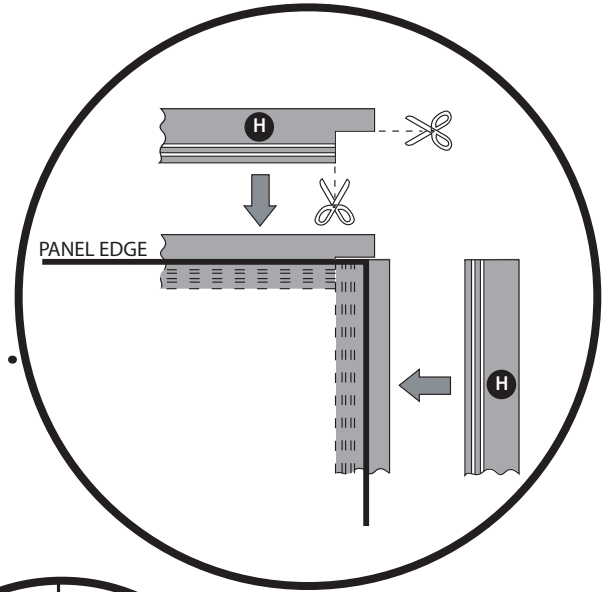
Panel Insulation Strip
x 1

***NOTE :** Hardware quantities for Model 220 are indicated in parenthesis.

STEP 1 : PANEL PREPARATION

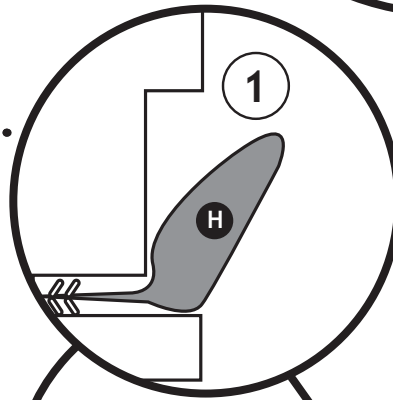
CAUTION :

1. Watch for sharp staples on boxes.
2. DO NOT STEP ON PANELS
3. The manual will give a recommended order to open boxes, it saves space and time.

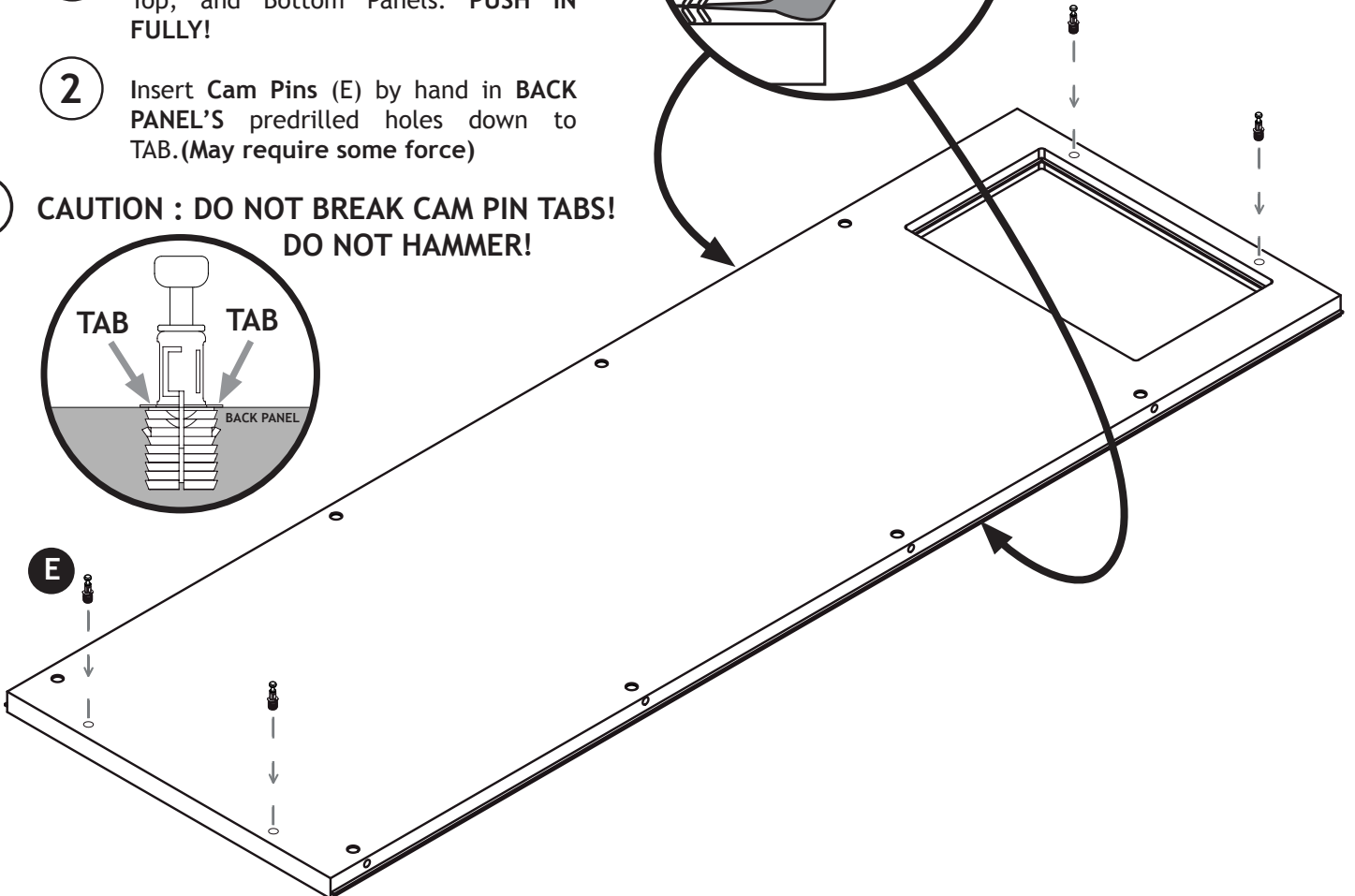
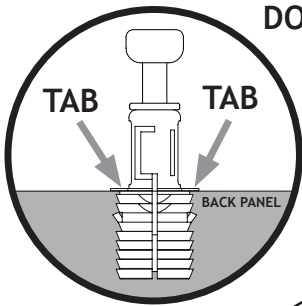


Open Box VP1.

- 1 Install INSULATION STRIP (H) to Back, Top, and Bottom Panels. PUSH IN FULLY!
- 2 Insert Cam Pins (E) by hand in BACK PANEL'S predrilled holes down to TAB. (May require some force)



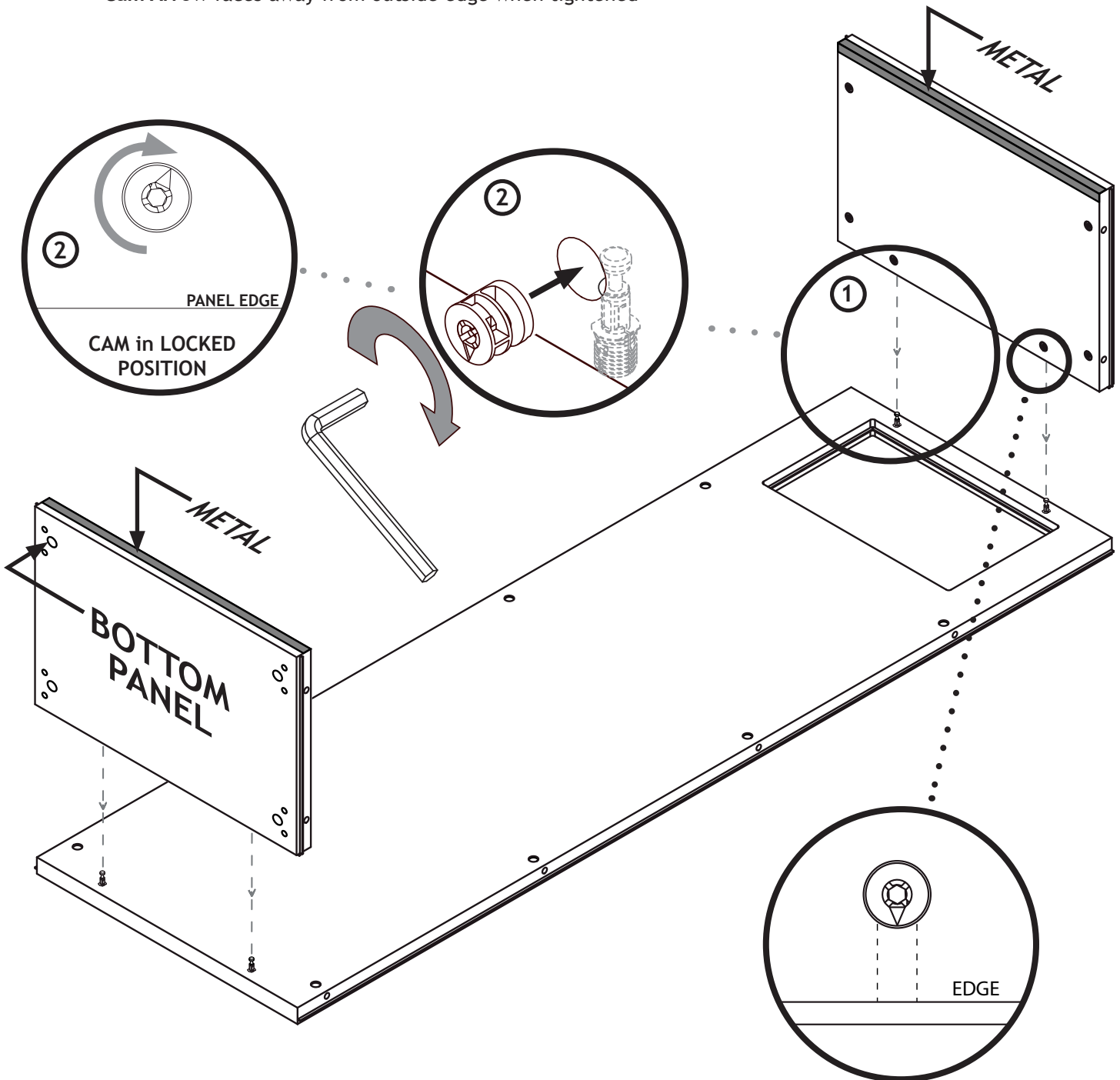
! CAUTION : DO NOT BREAK CAM PIN TABS!
DO NOT HAMMER!



STEP 2 : CABINET ASSEMBLY

- 1 Attach Top and Bottom to Back by **CAREFULLY** aligning edge holes over Cam Pins and gently push together to avoid damaging cam pins. **DO NOT BANG OR SLAP PANELS TOGETHER!!!**
- 2 Insert Cam, push all the way in under panel level (may require some force) and make sure Arrow points to outside edge, use allen key provided or #3 phillips screwdriver.

Cam Arrow faces away from outside edge when tightened



STEP 2 : CABINET ASSEMBLY CONTINUED

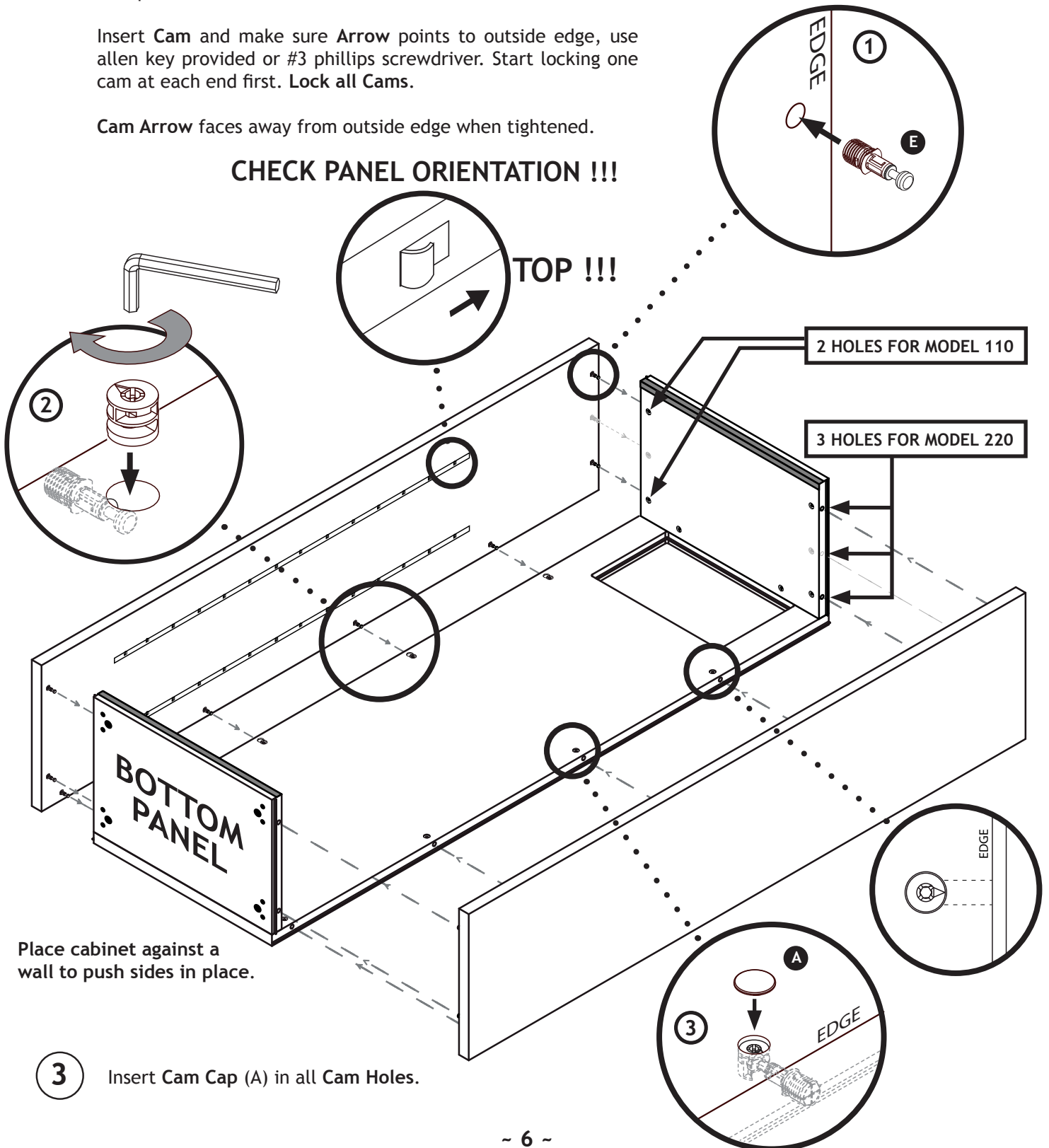
Open Box VP5 or VP2.

- 1 Insert Cam Pins (E) into SIDE PANEL'S predrilled holes both sides down to TAB. (May require some force)
- 2 Attach SIDES to Back/Bottom/Top by Carefully aligning edge holes over Cam Pins and gently push together to avoid damaging cam pins. CHECK PANEL ORIENTATION !!!

Insert Cam and make sure Arrow points to outside edge, use allen key provided or #3 phillips screwdriver. Start locking one cam at each end first. Lock all Cams.

Cam Arrow faces away from outside edge when tightened.

CHECK PANEL ORIENTATION !!!

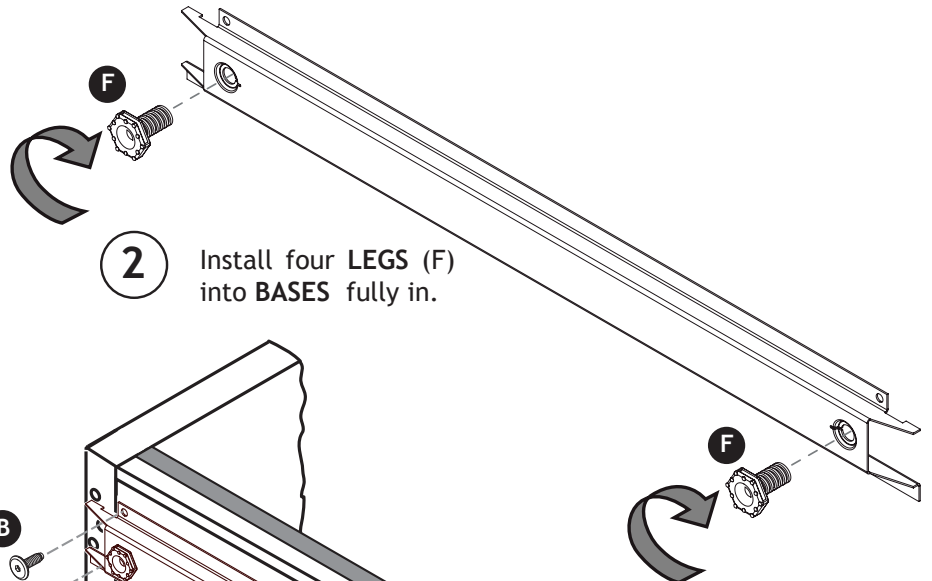


STEP 3 : HINGE, BASE AND LEGS INSTALLATION

Open Box VP3.

- 1 Fasten one **HINGE** (found in door box) to the **SIDE** of the cabinet with Hexbolts (B).

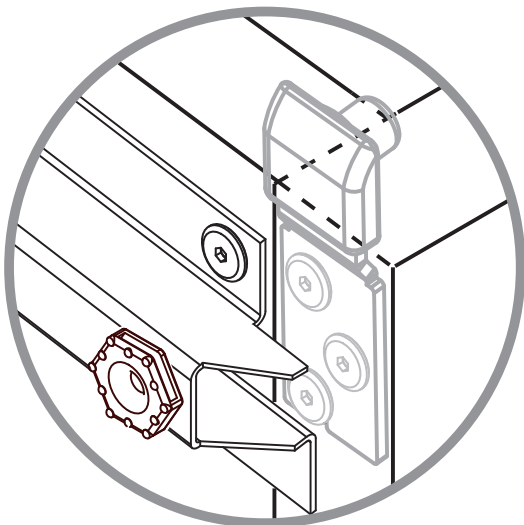
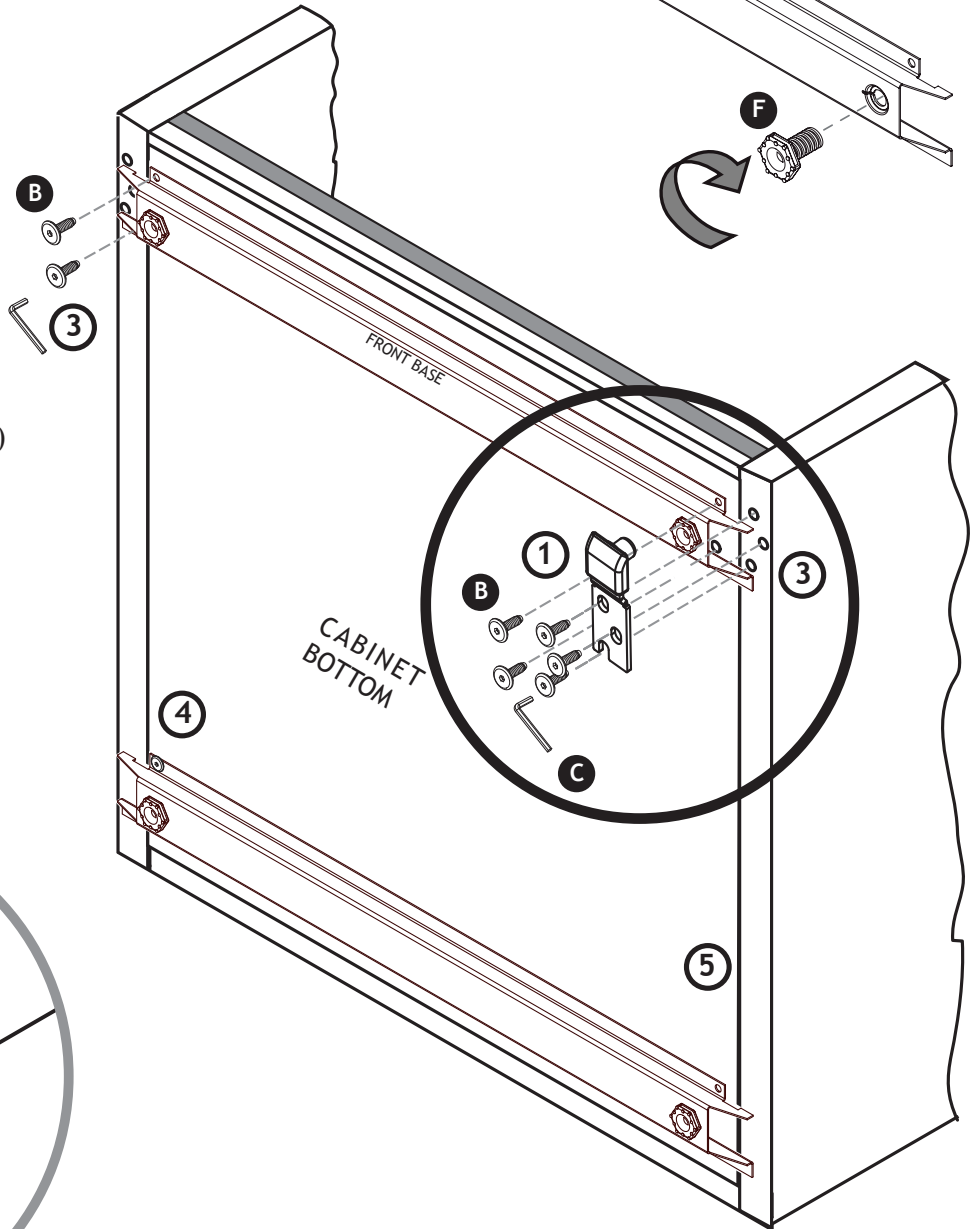
NOTE : Hinge can be on either side of the cabinet.



- 2 Install four **LEGS** (F) into **BASES** fully in.

- 3 Fasten **BASE** to the **BOTTOM** of the cabinet (**FRONT BASE** has to be set with Base Tabs

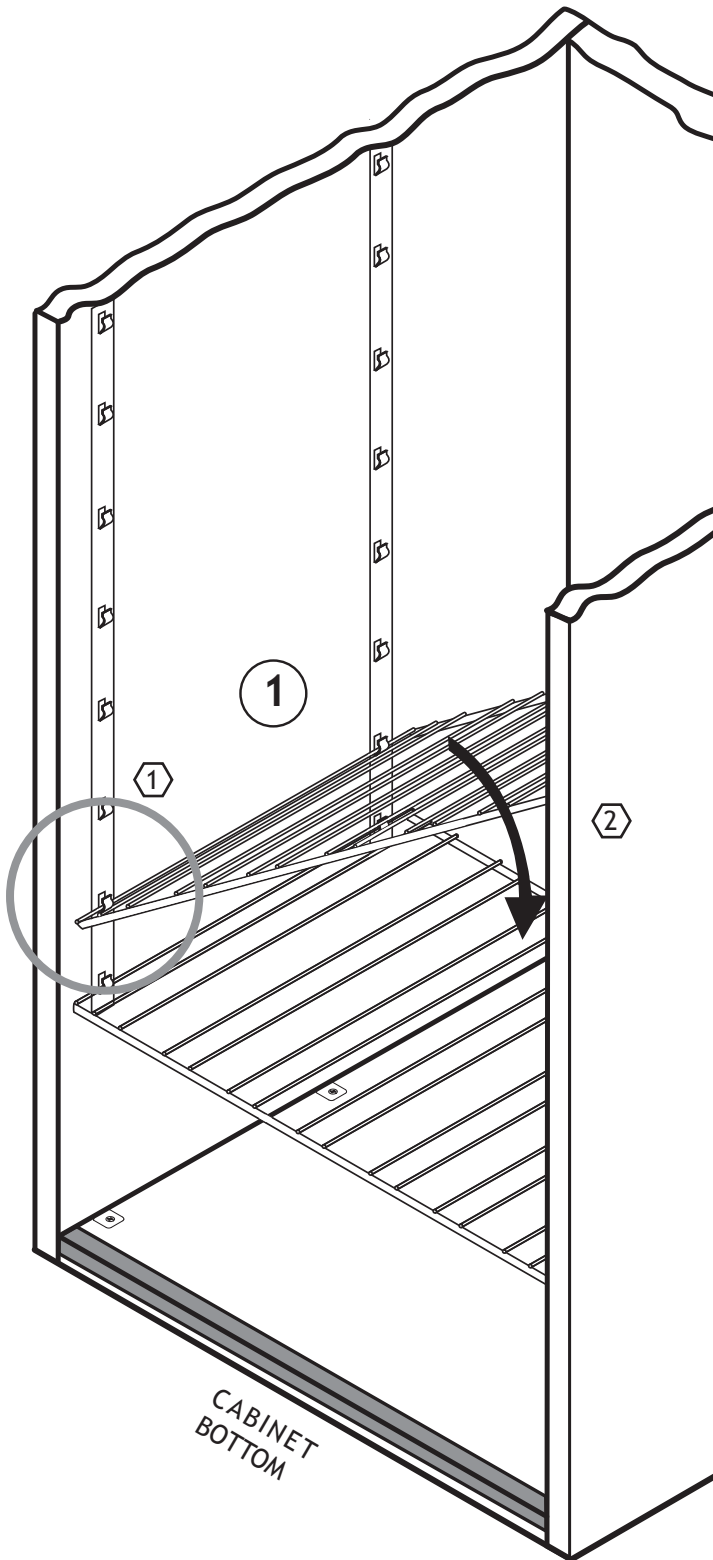
- 4 Fasten **BASE** with **HEX BOLTS** (B)



- 5 Raise cabinet and check for potential air leaks at panel joints from inside.

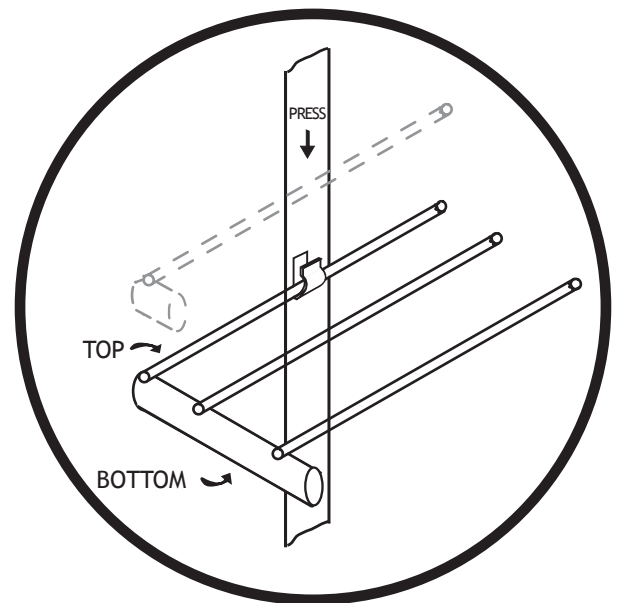
NOTE: Fasten base with base tab away from the front edge, then fasten and adjust the hinge before fully tightening **HEX BOLTS** (B)

STEP 4 : SHELVES



① Open box VP4

Hook **SHELVES** into hangers starting from the bottom of cabinet



HINT :

CENTER SHELVES ON HANGERS

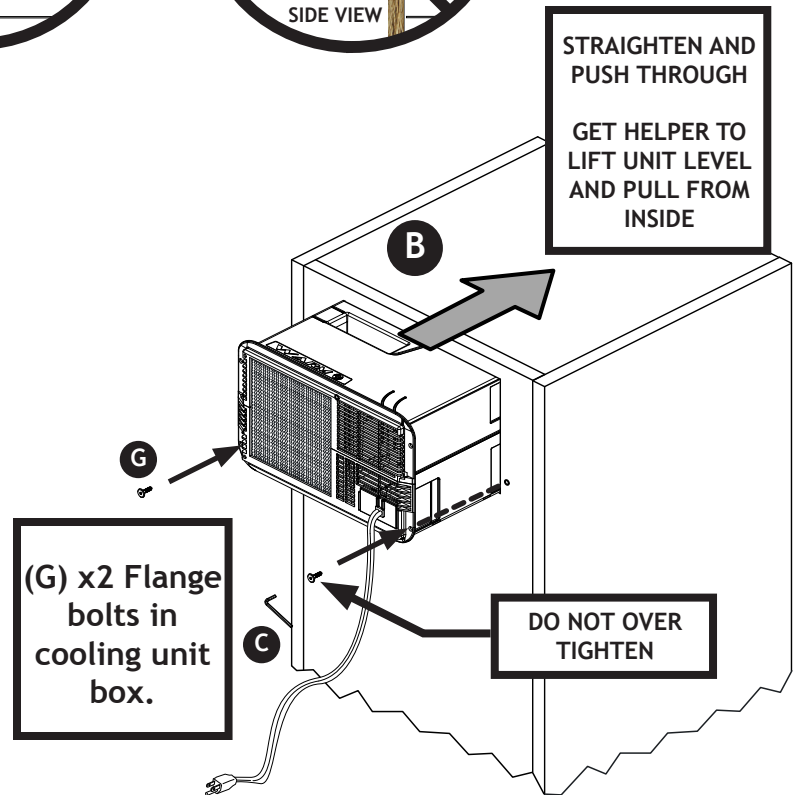
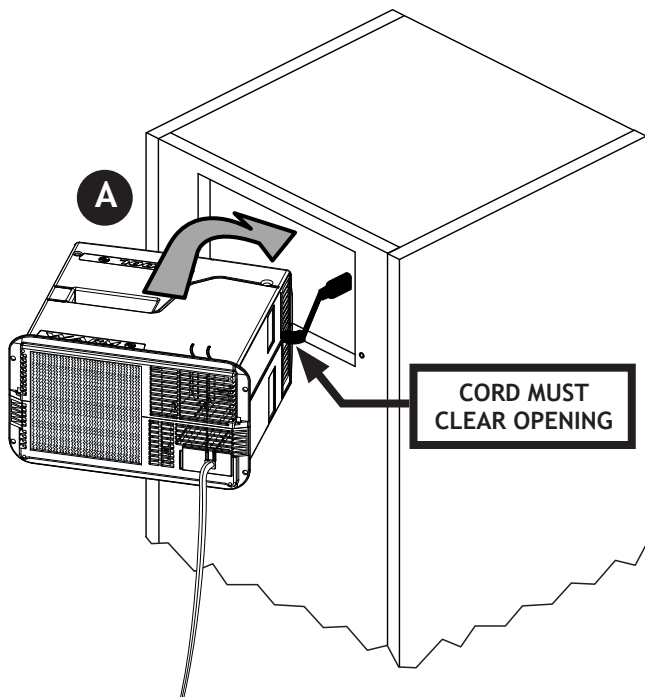
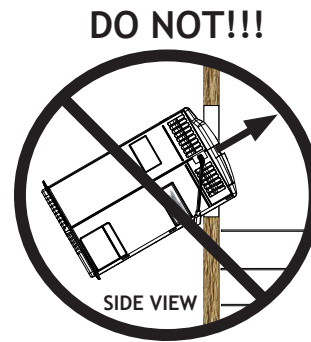
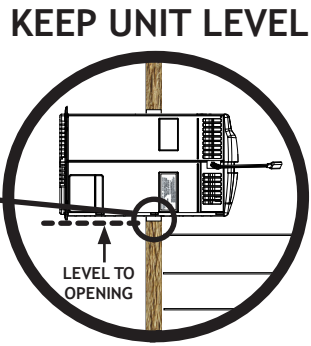
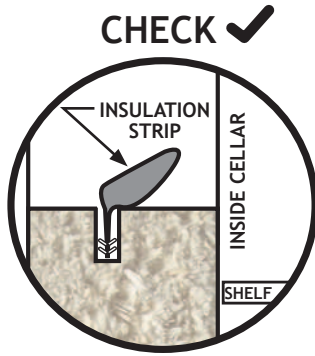
① Snap **SHELVES** into hangers on one side

② Push the **SHELVES** down to snap into opposite side hangers

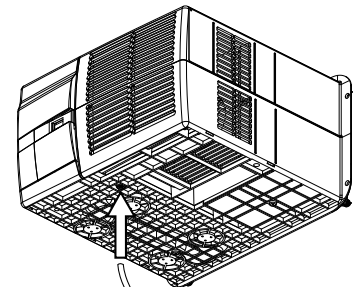
STEP 5 : COOLING UNIT INSTALLATION

1 GET HELP BEFORE INSTALLING AND KEEP CHILDREN CLEAR OF CELLAR CONSTRUCTION AREA.

Get helper to help guide unit, keep light cord clear of edge inside cellar and to prevent tipping of cellar. **MAKE SURE INSULATION STRIP IS IN CORRECT ORIENTATION.** Run light cord through Cut-out. Slide unit into the back opening by angling unit (A) to allow light cord to clear and straighten to push in (B). Screw allen bolts (G) through bottom flange holes. **Make sure unit is level!**



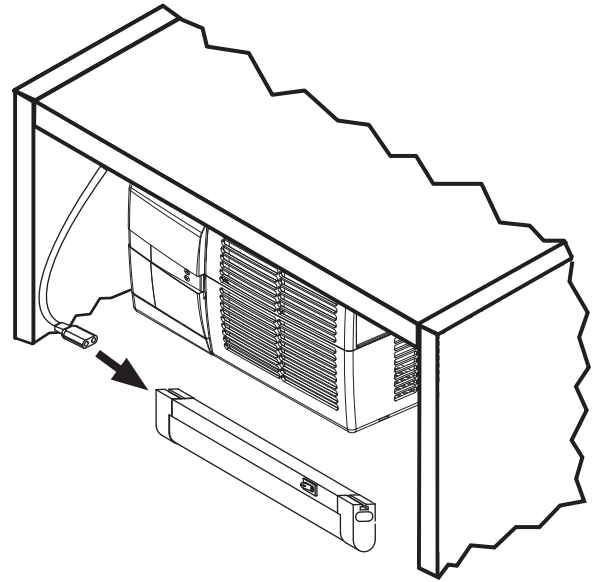
NOTE: If unit is operated according to specifications overflows will not occur. Excess condensation is only caused by extreme conditions. Unit will shut off at 72 °F and will restart when temperature drops or unit is replugged. (In this case insert 3/8" O.D. hose to drain hole, cut to appropriate length.)



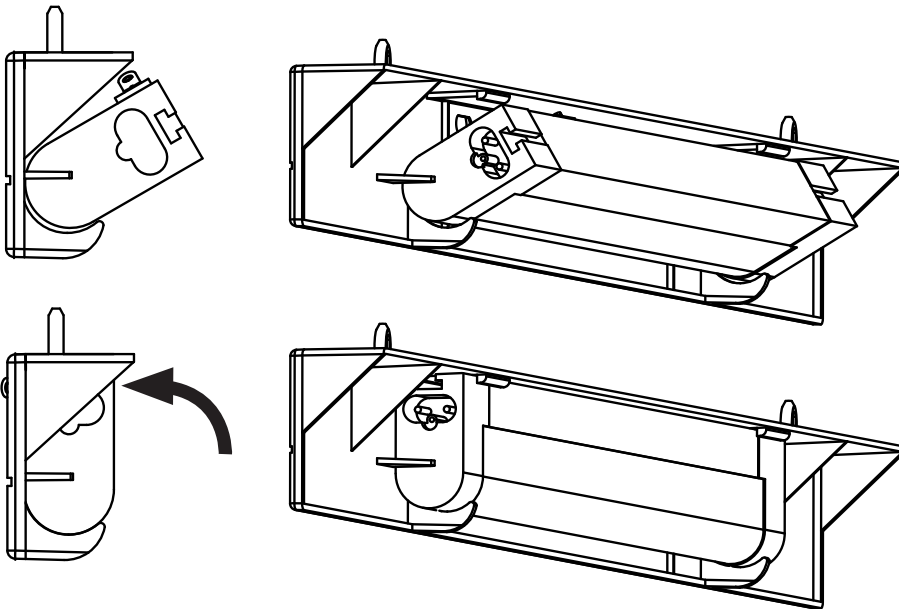
Optional (not required) except as emergency drain. Container

STEP 6 : LIGHT AND LIGHT COVER INSTALLATION

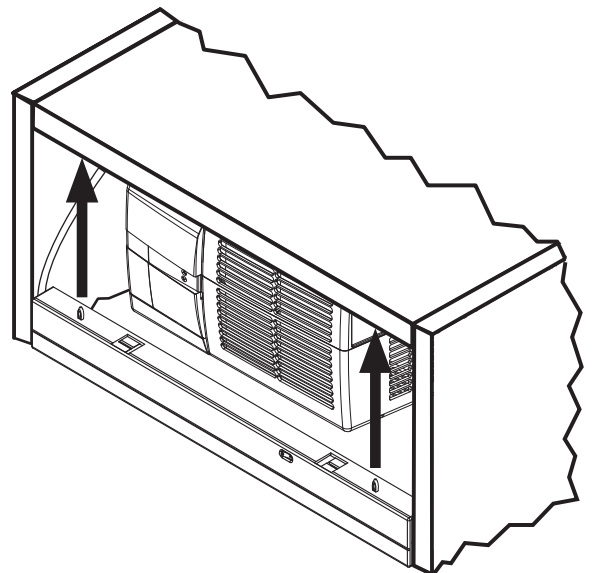
1 Plug cord to LIGHT



2 Insert LIGHT to LIGHT COVER

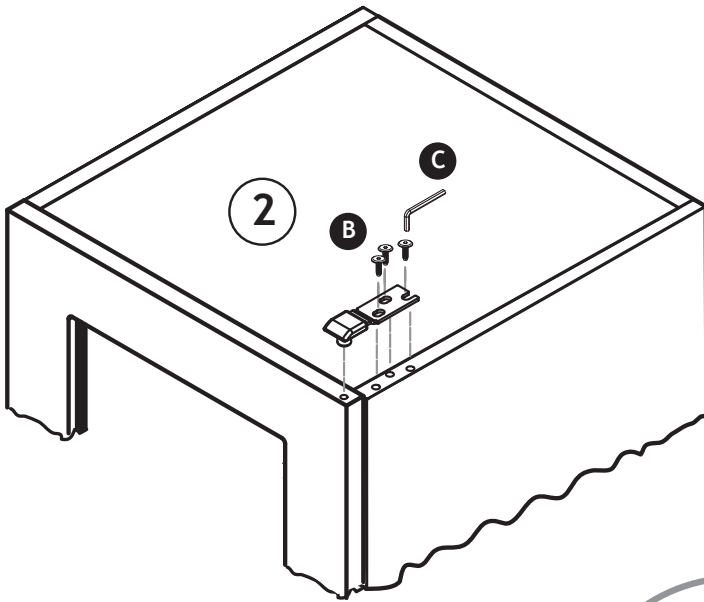
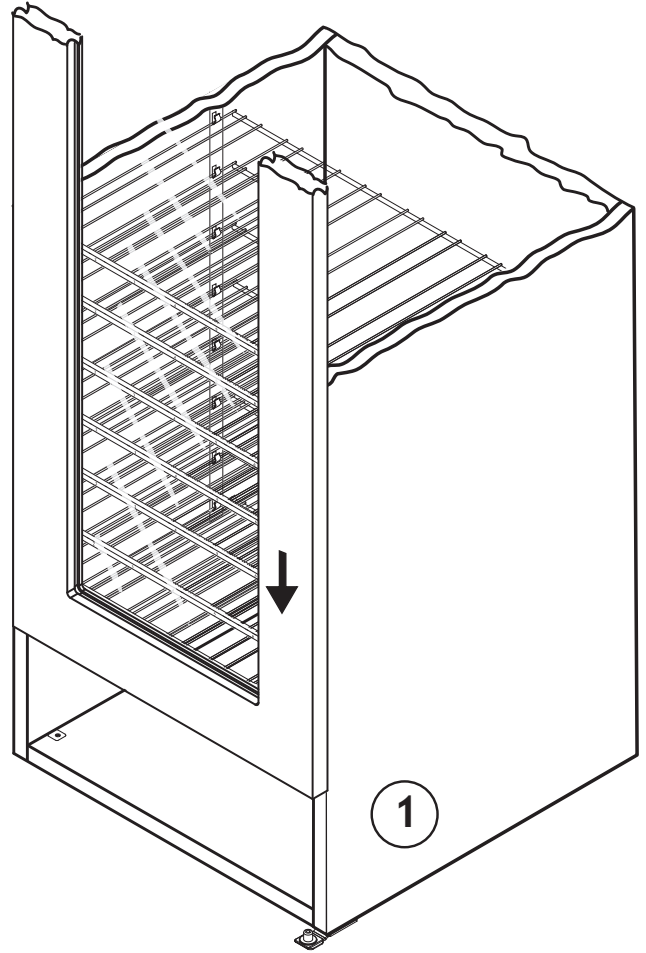


3 Insert LIGHT COVER to holes pre drilled on front edge of TOP panel.



STEP 7 : DOOR INSTALLATION

1 Insert **DOOR** onto **BOTTOM HINGE**



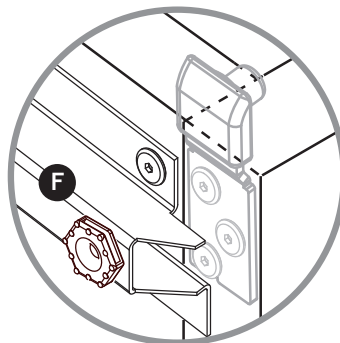
2 Install **TOP HINGE** with **HEX BOLTS (B)**

NOTE :

Adjust final position of the door before tightening the bolts and move cellar into place, leaving 4" clearance all around cellar.

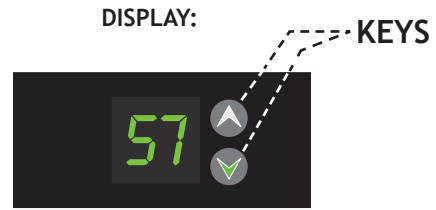
MAKE SURE CABINET IS AIRTIGHT!

Adjust the level by turning (counter clockwise) the **LEGS (F)** as needed. Use a carpenter's level.



CONTROLS : PLUG IT IN (wait one minute) and ENJOY!

- FEATURES:**
- Default SET temperature 57° F/14° C (ideal for wine storage).
 - Calibration option of the temperature sensor.
 - Display of actual temperature by request.
 - SET temperature range 52°F-64°F.
 - Digital temperature sensor.
 - Dual display F°/C°.
 - Settings are stored in memory for power failures.
 - Pre programed software will reach the quietest most efficient operation.



- OPERATION:**
- The display will show the detected temperature until the temperature will fall within 3° of the SET POINT.
 - If the temperature is above the default 57° F + 1° or other preset value, after a **delay of 1 minute** the fan will start, followed by the compressor within the next minute.
 - The unit will cycle ON/OFF based on the temperature reading. Fan speeds are automatically set by the controller to achieve optimum performance.
 - Minimum ON and OFF cycle times are imposed by software, to prevent "short cycling".

CONTROLLER OPERATION	ACTION	DISPLAY EXAMPLE	
		BEFORE	AFTER
TO DISPLAY:	Actual temperature: PRESS ▲	57°	56°
	SET temperature: PRESS ▼	70°	57°
TO MODIFY SET TEMPERATURE (range is 52-64°F):	PRESS and RELEASE ▼	57°	57°
	To increase: PRESS ▲ once per degree	57°	58°
	To decrease: PRESS ▼ once per degree	57°	56°
	The new value will be memorized and the controller will reset automatically.		
TO CHAANGE FROM °F to °C: or °C to °F	PRESS and HOLD ▼ until buzzer sounds in 5 seconds	57°	14°
	The new value will be memorized and the controller will reset automatically.		
TO CALIBRATE:	PRESS and HOLD ▼ while holding PRESS ▲ and RELEASE	57°	57°
	Wait 5 seconds	57°	F0
	USE ▲ or	F0	F1
	▼ for each degree of offset	F0	-1
NOTE: A negative offset ▼ will result in a warmer cabinet and a positive offset ▲ will result in a cooler cabinet. The new value will be memorized and the controller will reset automatically.			

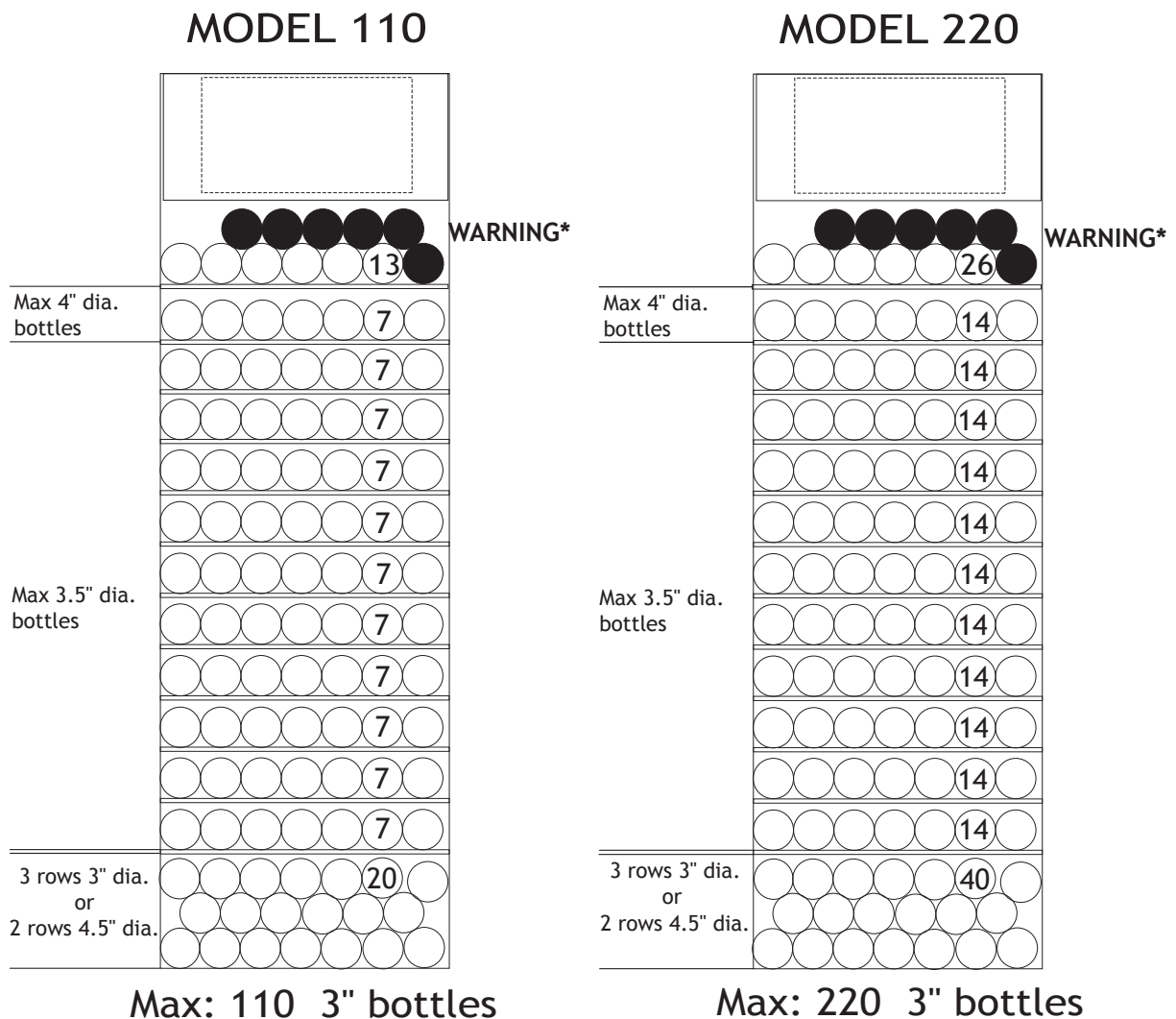
SAFETY FEATURES:

- ALARM:**
- If the temperature exceeds 72° F the unit will shut down, a sound warning will start and the display will blink **AL** alternating with the temperature reading.
 - This function is disabled in the first 4 hours "Cool Down" period or after any reset for another 4 hours.
 - The unit will restart and continue the cooling and cycling if the temperature falls below 72° F.

TO RESET: - Unplug and re plug the unit.

MAXIMUM CAPACITIES AND LOADING TIPS

Maximum capacities and sample loading arrangements for Vintage Keeper Tuscany wine cellars are illustrated below. Note the variations in shelf height, to accommodate the widest variety of bottle types and sizes. Standard Burgundy and Bordeaux bottles are best arranged with necks facing out; some taller bottles may need to be arranged neck to neck. Never stack bottles more than two rows high on a shelf; all shelves must be installed as directed. Avoid placing bottles directly in front of the cooling unit's circulating fan for more uniform temperature in cabinet.



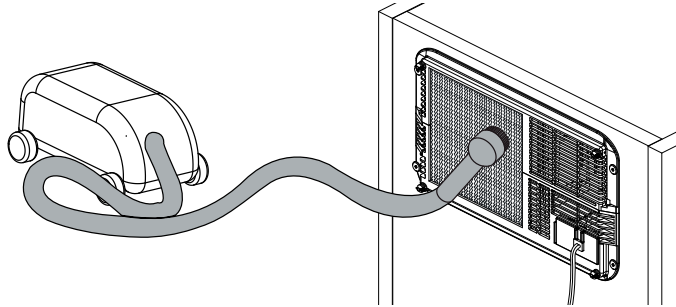
***WARNING:**

Bottles in black will be in the cold air stream and could block airflow efficiency in some circumstances (warm or humid areas). This area of the cabinet should have the coldest temperature and may be used as your "chilling" section.

TROUBLE SHOOTING GUIDE

Although each Vintage Keeper cooling unit has been carefully tested at every stage of manufacture, occasional problems arise, the majority of which are due to rough or careless handling during shipping or installation. Other problems may derive from improper cabinet assembly, power interruption or surge, low line voltage (less than your unit rating of 105V or 240V), or failure to clean the unit regularly (see illustration below). The following may help you determine what the problem may be; what steps you can take to correct it, and what further steps may be required. Additional Trouble-Shooting information and downloadable documents are available in the “Support” area of our web site: www.koolspace.com

Cleaning the coil



Coil is located at the top of back panel.

Vacuum it periodically

IMPORTANT NOTE:

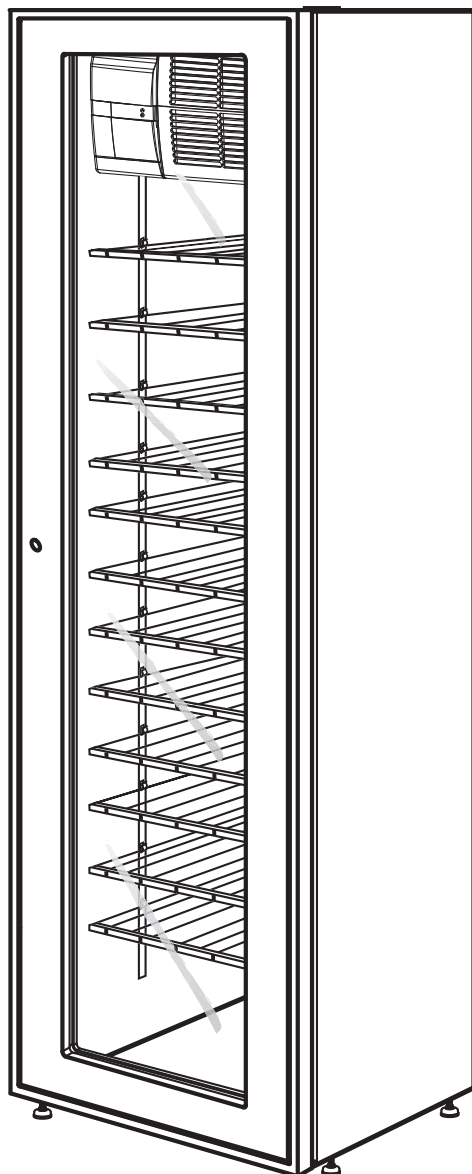
In order to provide maximum protection for your valuable wine collection, the following steps are highly advisable. First and foremost, have your wine collection adequately insured. Second, install a battery-powered heat-sensitive alarm to warn of any loss of cooling due to power interruption. Third, monitor your storage and ambient conditions on a regular, daily basis. Fourth, install a high quality surge suppressor to protect against sudden power fluctuations. Fifth, clean the unit as directed, on a regular basis, every 3 to 4 months vacuum the cooling unit coils (check our website for more info). Sixth make sure to check water level in the **DRAIN CUP** periodically and empty. Be advised, also, that Drobot-Vintage Keeper cannot in any event be liable or responsible for incidental or consequential damages.

IF:	CHECK:	THEN:
COOLING UNIT DOES NOT RUN AT ALL WHEN PLUGGED IN	<ul style="list-style-type: none"> - Is the unit plugged in? - Is the power supply operational? - Is the LED display functional? - Is there any evidence of shipping damage on the cooling unit or packaging materials? 	<ul style="list-style-type: none"> - Note that the unit has a 1-minute cautionary delay between plugging in and full start-up; this is a built-in safeguard to protect the compressor in the event of sudden power failure - Note that the power supply must be a dedicated, separately-fused and grounded 15 Amp, 120V line or 7.5 Amp, 240 V line rated for your unit. Must not use an extension cord. Do not share the outlet with other appliances - If the unit is receiving power yet fans or compressor fail to run, unplug for ten minutes, then try again
COOLING UNIT RUNS BUT DOES NOT COOL SUFFICIENTLY	<ul style="list-style-type: none"> - Is the storage temp properly set? - Is the cabinet properly assembled, with all joints air tight? - Is the door properly adjusted to seal tightly when closed? - Is airflow to and from the cooling unit unobstructed? - Is the ambient air temperature within the specified range? - Are any exterior surfaces of the cabinet exposed to sunlight? 	<ul style="list-style-type: none"> - Note that the unit may take a few days to achieve the desired storage temperature, even in a properly located, airtight cabinet - Take steps to reduce ambient temperatures and compensate for additional heat gain if any cabinet walls receive direct sunlight - If gaps are visible at any panel joints, ensure that you have tightened all cams in all panels, to ensure an airtight seal as detailed in our instructions - Take steps to improve circulation of air to and from the unit - Adjust the door, if necessary, to seal tightly by re-positioning the upper hinge and improving the cabinet level - Increase your SET TEMPERATURE - Clean the fan and grille areas - If the problem persists, go to our website at www.koolspace.com and perform the “cooling unit diagnostic” in the support section.

CELLAR **nuvo**

110/220

KOOLSPACE™



Toll free: 1-888-274-8813
www.koolspace.com