



Artizan® Expressions Treatment Station (Pivoting Worksurface)


Applies to Models:
TS3680, TS3690, TS4380,
TS4385, TS4390

Special Tools:
none

Language of origin: English

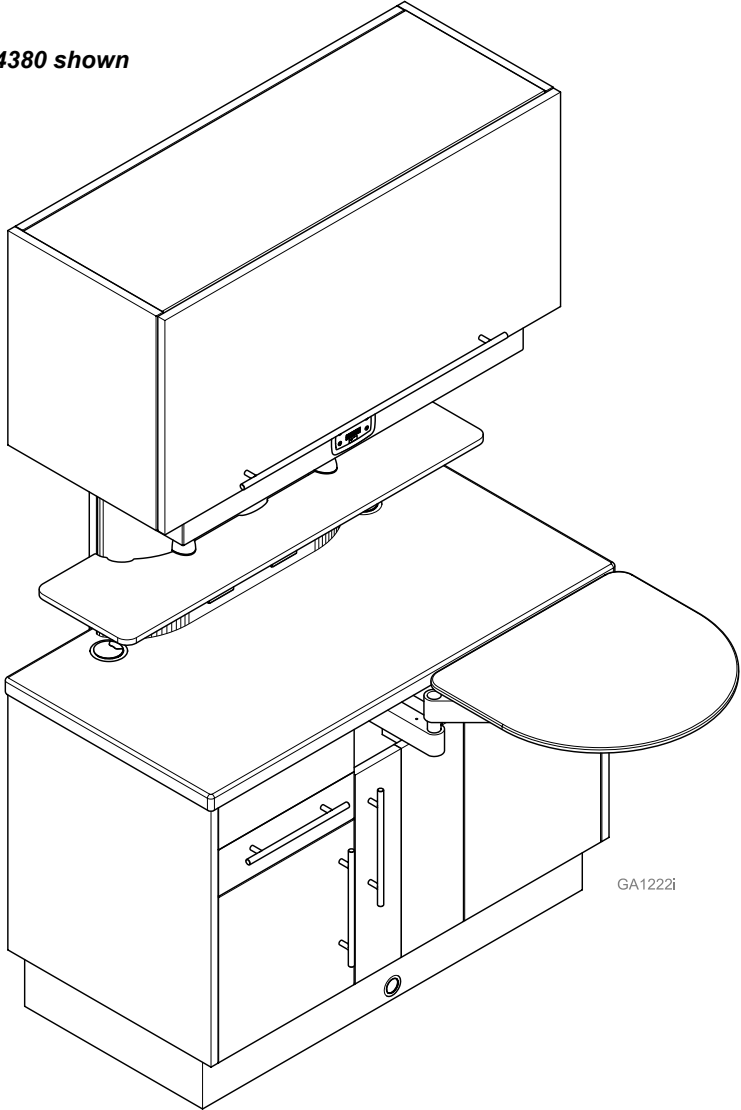
Note:
Midmark cabinetry unit must be connected to a dedicated circuit with disconnect rated at 20A, 115V~, 60HZ. Failure to comply could result in an overload of the electrical circuit and/or components. All wiring, including disconnect, and plumbing must be installed by a licensed electrician or plumbing contractor following applicable local, city, and national codes.

Midmark cabinetry unit contains electrical duplex outlets which are rated at a combined 15 amps. This rating must be taken into consideration when plugging device(s) into the available outlets.

 **Equipment Alert**
Inspect all components for shipping damages. A concealed damage report must be filed with the carrier (by the person receiving the goods) within 15 days of delivery.

Note:
Refer to cabinet - mounted Procenter Delivery Unit Install Guide (003-1256-00) for information on the delivery unit installed in the cabinet.

TS4380 shown



TP201 Rev. A

Important Information and Symbols

These symbols may appear on your equipment and / or in the manuals.



WARNING

Indicates a potentially hazardous situation which could result in serious injury if not avoided.



Caution

Indicates a potentially hazardous situation which may result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices



Equipment Alert

Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note:

Amplifies a procedure, practice or condition.

Contact Information:

Midmark Corporation
115 G.L. Comer Road
Glasgow, Kentucky 42141
Phone: 1-800-643-6275 ext. 88015
Fax: (270)-651-1732

Intended Use

The Artizan® Expressions line of cabinetry is intended for use by the professional dental practitioners as supporting products in their practice providing adequate storage and technology integration for typical operator products and equipment while still retaining an aesthetic appeal. The cabinetry should be designed to address the needs that the dental practitioners have when working in the operator.



Proper Shipping Orientation



Fragile



Keep Dry



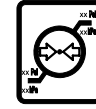
Consult User Guide



AC (Alternating Current)



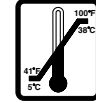
Corrugated Recycle



Pressure Limits



Humidity Limit



Temperature Limit



Type B Applied Part



Protective Earth Ground



No Stacking

Transportation / Storage / Operating Conditions

Transportation / Storage Temperature Range: ..0°F to 140°F (-18°C to 60°C)
Relative Humidity:.....10% to 90% (Non-Condensing)
Atmospheric Pressure:.....7.2 PSI to 15.3 PSI (50 kPa to 106 kPa)
Operating Temperature Range.....59°F to 95°F (15°C to 35°C)

Disposal of Equipment / Consumable Goods

At the end of this products life, the unit, accessories and other consumable goods may be contaminated from normal use. Consult local codes and ordinates for proper disposal of this equipment and other consumables.

Floor Layout

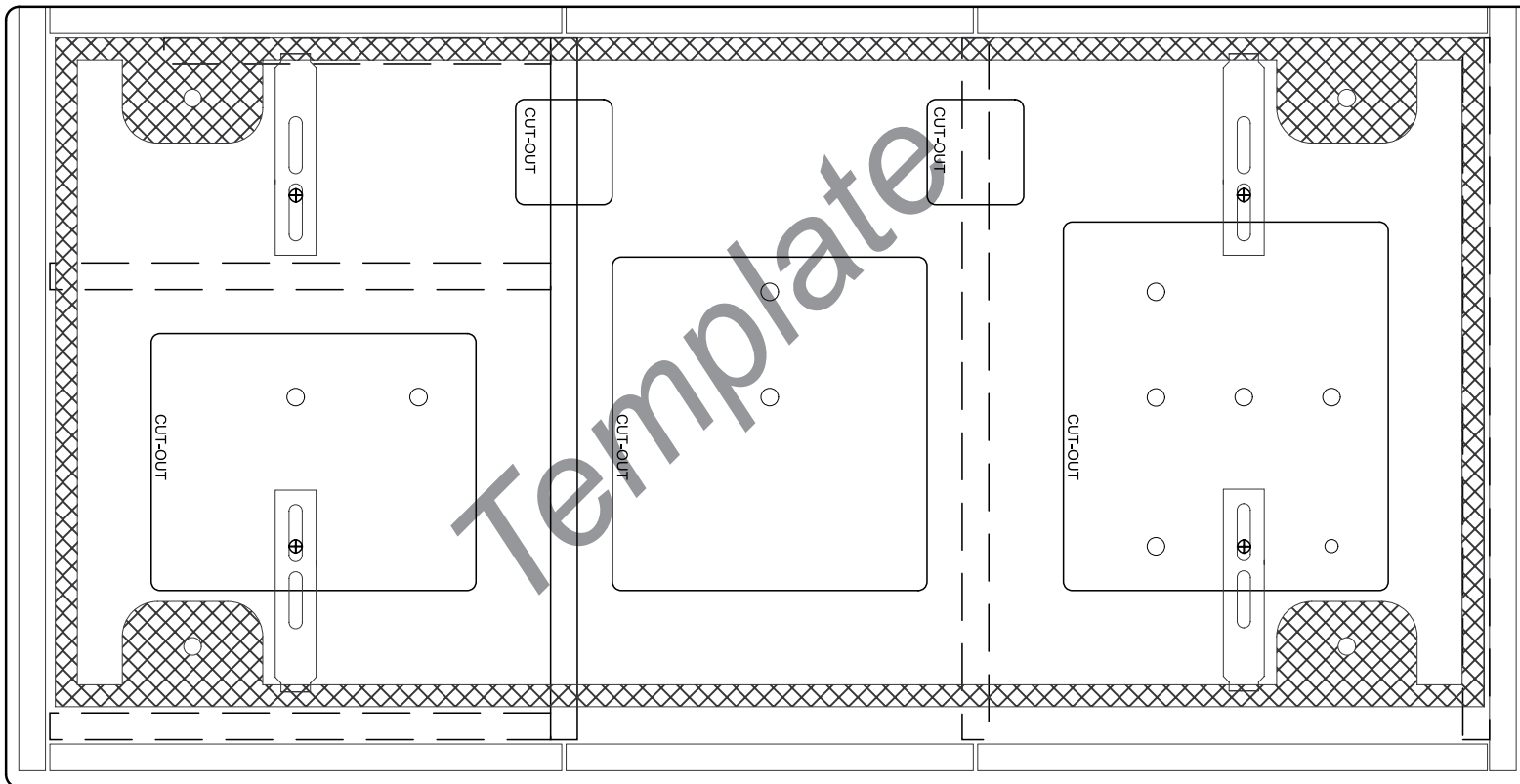
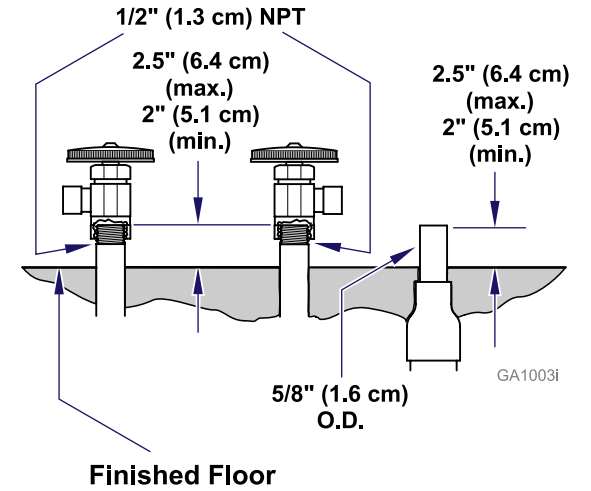
Note:

Have licensed electrical and plumbing contractors position and install electrical outlet receptacles and related plumbing using the pre-installation template or layout. Assure floor is of such construction that the unit will be adequately supported and anchored. If necessary contact a licensed contractor to reinforce the flooring.

Note:

A full size, pre-installation floor template is available upon request:

- Treatment Station, TS3680, P/N: 003-2616-XX
- Treatment Station, TS4380, P/N: 003-2617-XX
- Treatment Station, TS4385, P/N: 003-2618-XX
- Treatment Station, TS3690, P/N: 003-2674-XX
- Treatment Station, TS4390, P/N: 003-2675-XX



GA1225-1i

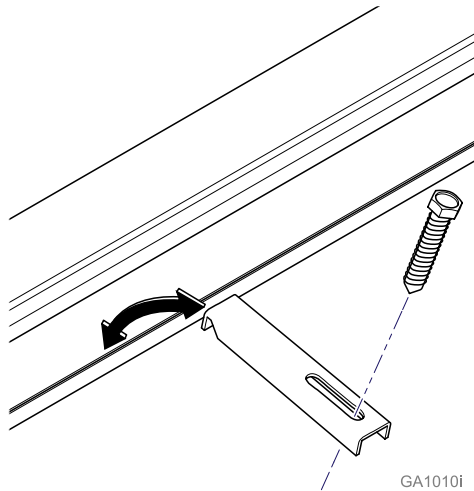
Installation (Artizan® Expressions Treatment Station)

Step 1: Remove Base Cabinet From Pallet

- A) Remove Treatment Station lower from packaging.
- B) Remove cabinet drawers (see Drawer Removal, Installation, and Adjustment in this manual).
- C) Remove cabinet doors and shelves. (See Door Removal, Installation, and Adjustment in this manual)
- D) Access under the cabinet through false bottom cutouts, use a 1/2" socket to remove lag screws securing the base clips and cabinet to shipping pallet.
- E) Move cabinet into area for installation.
- F) Using floor template or measurements specified on template drill holes into floor for base clip installation. Use a 3/8" masonry drill bit for concrete and a 9/32" wood drill bit for composite flooring.
- G) Set base cabinet into place over rough-in plumbing.

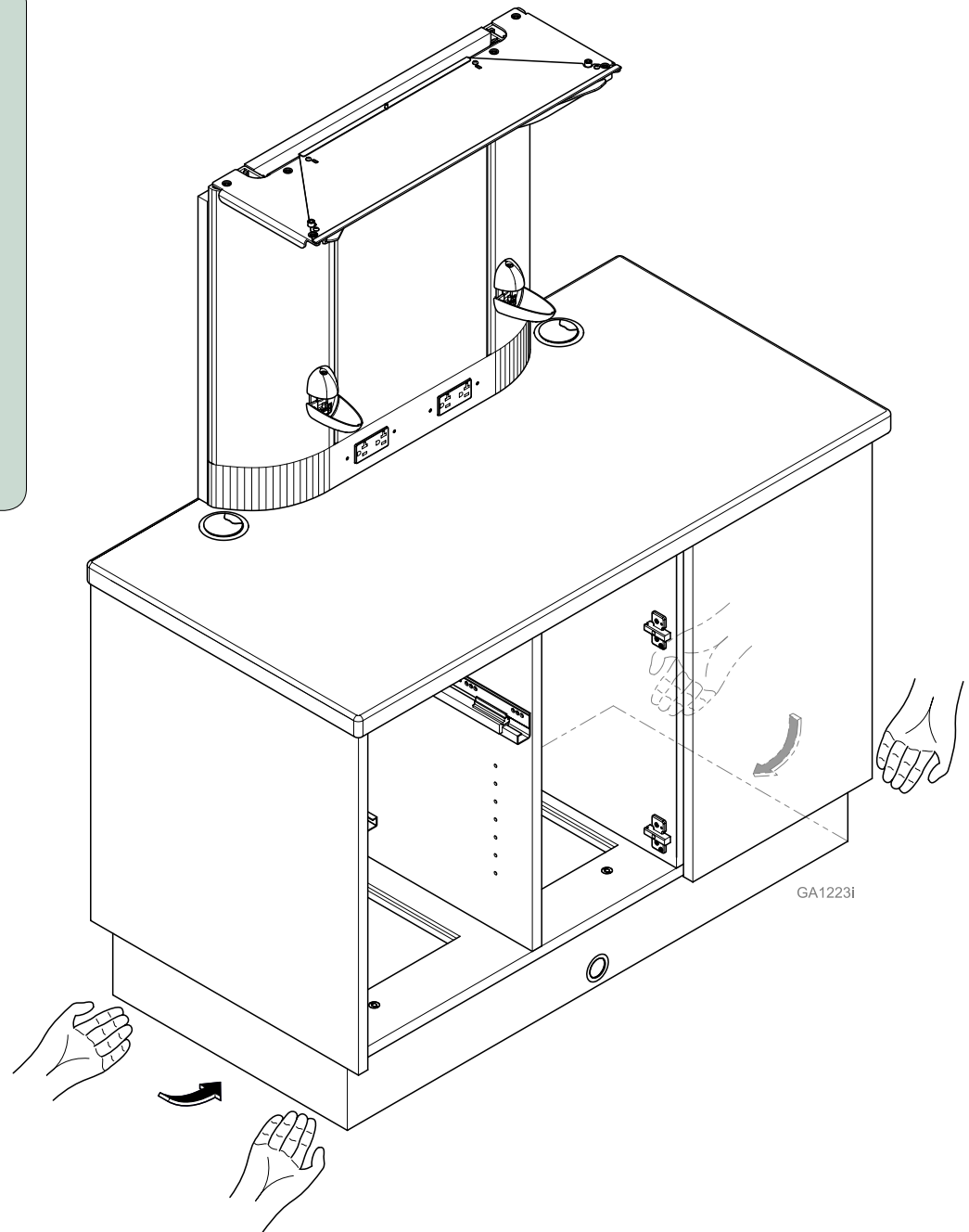
Note: Be sure to save base clips to use later in the installation process to secure cabinet to floor of the building.

Base Clip Removal / Install



Caution

Cabinet modules are significant in weight. Lift with two people on the bottom edge of the cabinet. Only lift the cabinet in designated locations after drawers have been removed. Refer to illustrations for proper lifting points.



Installation (Artizan® Expressions Treatment Station)

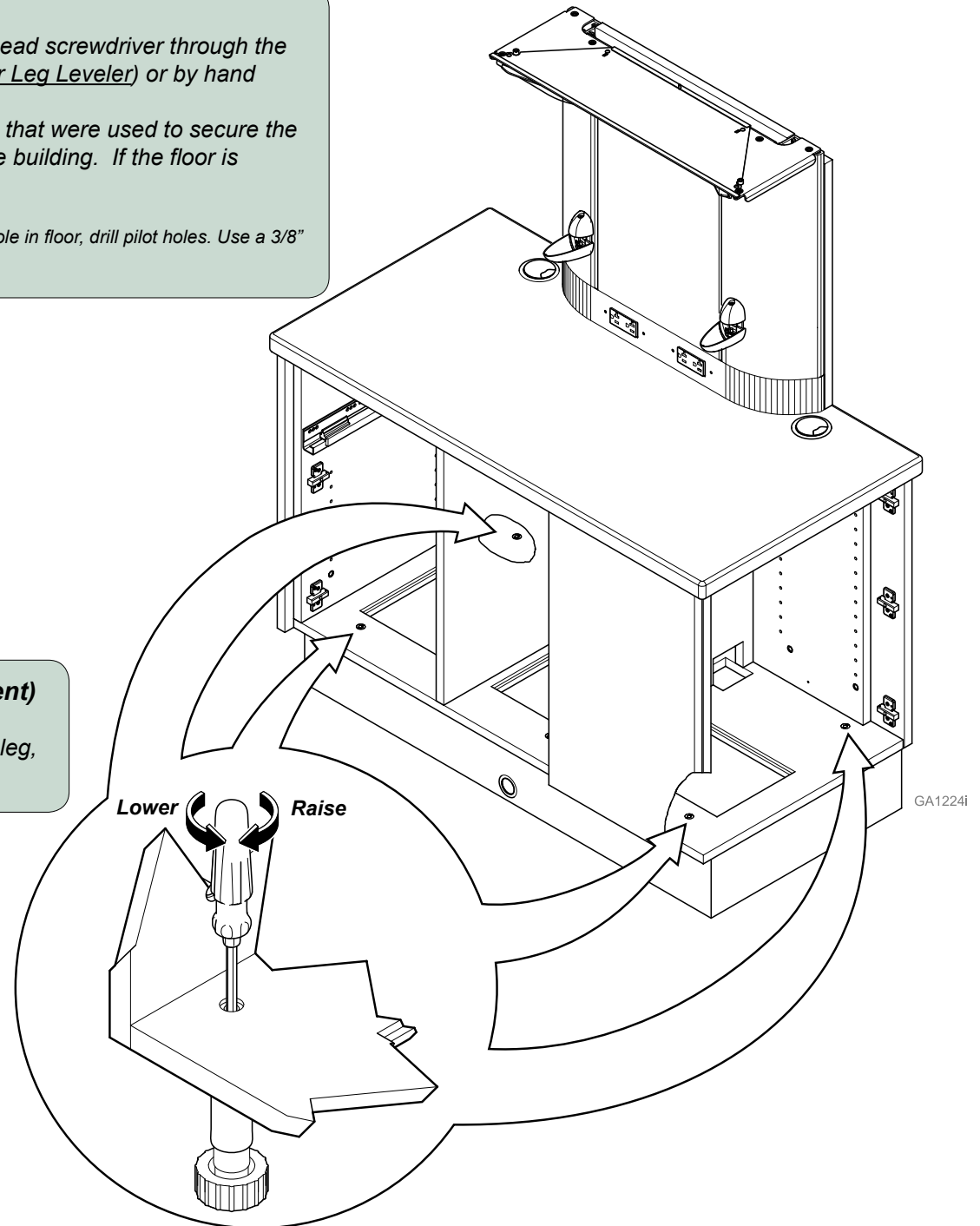
Step 2: Lower Module Installation

- A) Using a level as necessary, unscrew the leg levelers using a flat head screwdriver through the hollow leg bolt in the bottom of the cabinet (see Adjustable Camar Leg Leveler) or by hand through the false bottom cutout until cabinet is level.
- B) Use the lag screws (if floor is made of composites) and base clips that were used to secure the cabinet to the shipping pallet and secure the cabinet to floor of the building. If the floor is concrete, then utilize supplied floor anchors.

Note: To make installation easier and to prevent damage to area surrounding screw hole in floor, drill pilot holes. Use a 3/8" masonry drill bit for concrete and a 9/32" wood drill bit for composite flooring.

Adjustable Camar Leg Leveler (Cabinet Height Adjustment)

- A) Insert a flat head screwdriver into the hollow bolts found in the bottom of a cabinet. Turn screwdriver clockwise to extend the leg, and turn counterclockwise to retract the leg.



GA1224i

Installation (Artizan® Expressions Treatment Station)

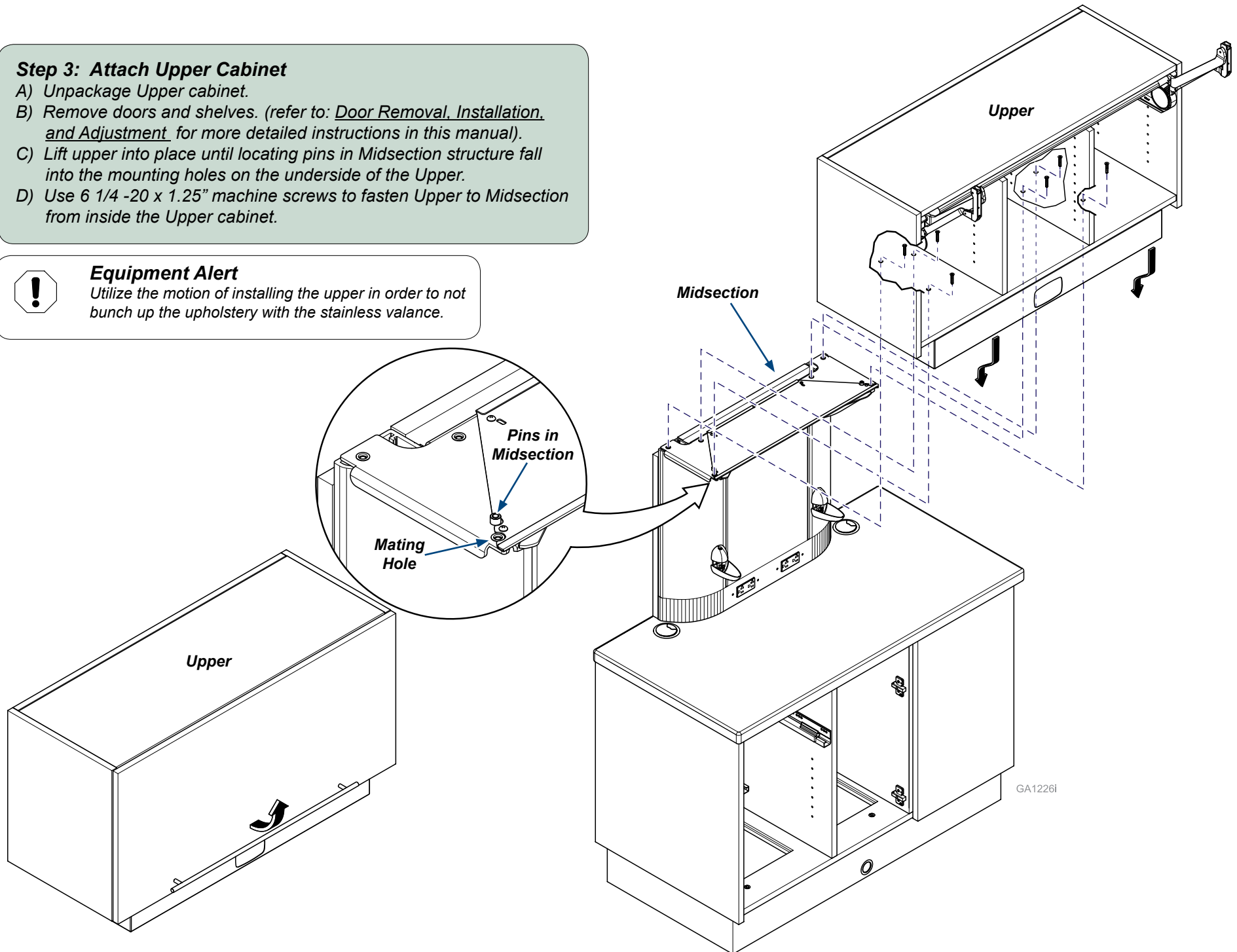
Step 3: Attach Upper Cabinet

- A) Unpackage Upper cabinet.
- B) Remove doors and shelves. (refer to: Door Removal, Installation, and Adjustment for more detailed instructions in this manual).
- C) Lift upper into place until locating pins in Midsection structure fall into the mounting holes on the underside of the Upper.
- D) Use 6 1/4 -20 x 1.25" machine screws to fasten Upper to Midsection from inside the Upper cabinet.



Equipment Alert

Utilize the motion of installing the upper in order to not bunch up the upholstery with the stainless valance.



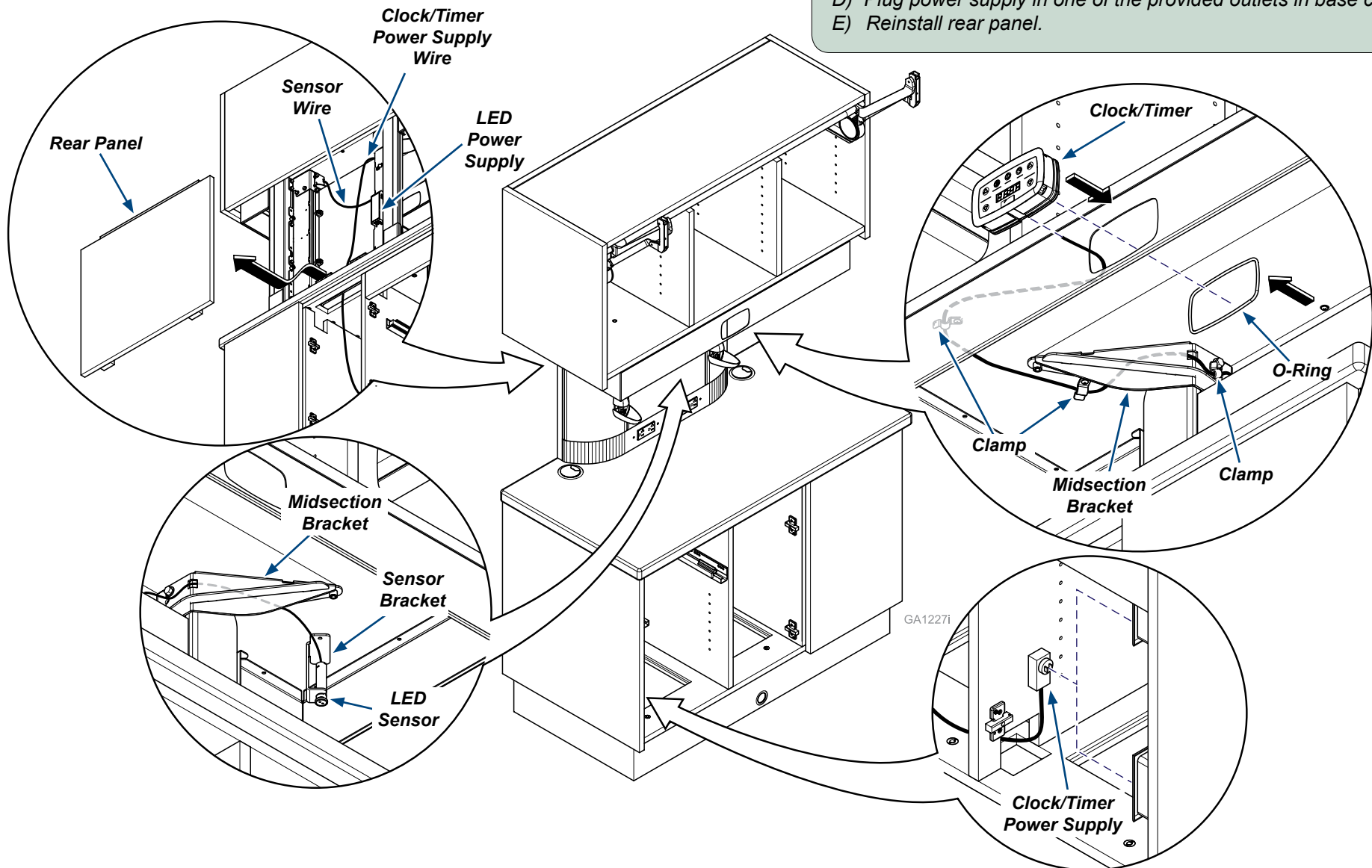
Installation (Artizan® Expressions Treatment Station)

Step 4: Installing LED Sensor (Optional)

- A) Route wire from sensor through top bracket into Midsection chase.
- B) Remove front / rear panel to gain access and plug into LED power supply.

Step 5: Installing Clock/Timer

- A) Remove clock/timer from packaging and remove o-ring from clock/timer bezel.
- B) Insert clock/timer through valance and reapply the o-ring on the back side to hold clock/timer in place.
- C) Plug power supply into back of clock/timer, route through clamps, top bracket and into base cabinet.
- D) Plug power supply in one of the provided outlets in base cabinet.
- E) Reinstall rear panel.



Installation (Artizan® Expressions Treatment Station)

Step 6: Door and Drawer Installation

- A) Re-install cabinet drawers (refer to: Drawer Removal, Installation, and Adjustment in this manual) and make adjustments as needed.
- B) Install shelves.
- C) Re-install cabinet doors (refer to: Door Removal, Installation, and Adjustment in this manual) and make adjustments as needed.
- D) Re-install lift door. (refer to: Door Removal, Installation, and Adjustment in this manual) and make adjustments as needed.

Note: Use rubber bumper shelf pegs for glass shelves and locking shelf pegs in the pass through applications where shelf movement must be restricted.

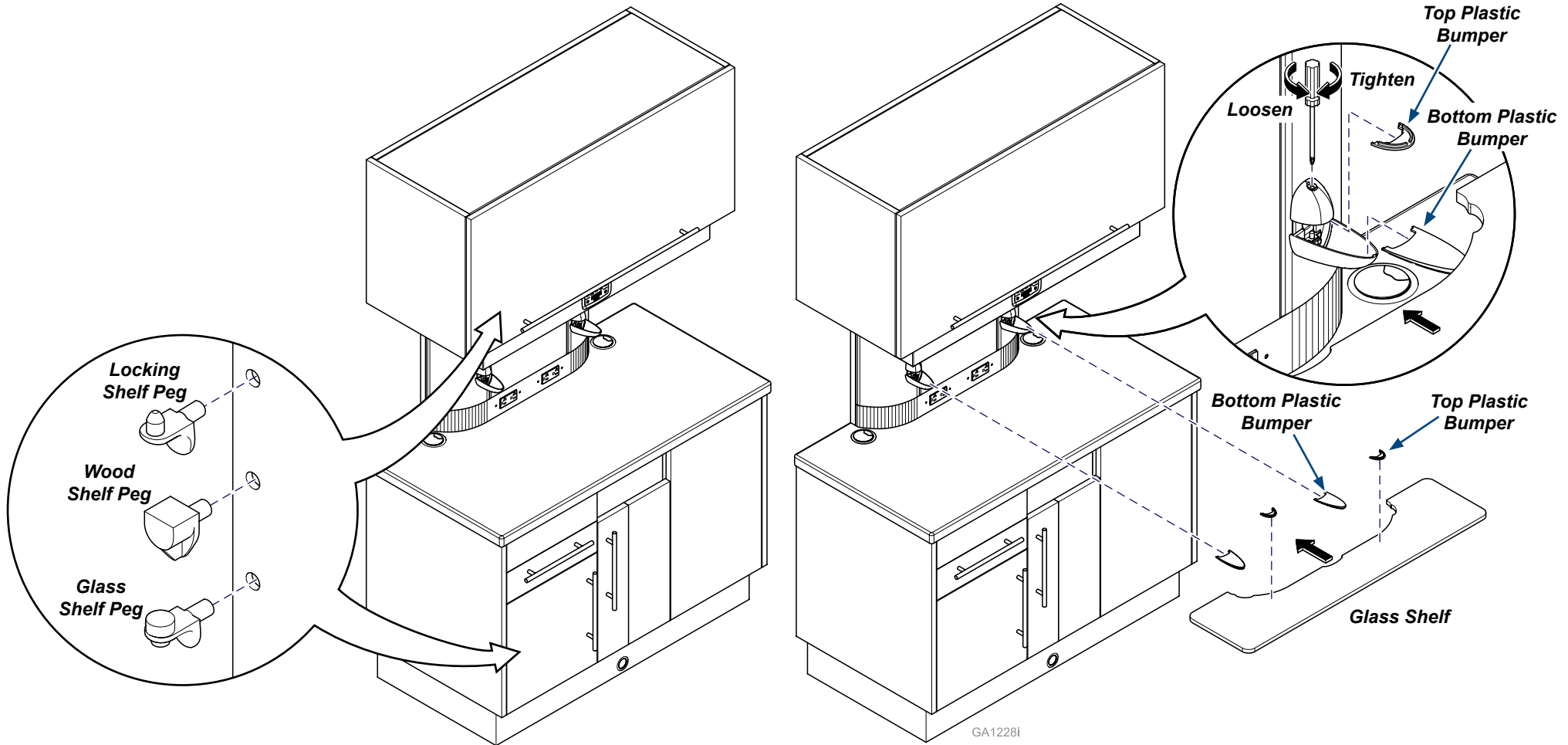
Step 7: Installing Glass Midsection Shelf (Optional)

- A) Loosen screws on top of clamps to allow clamps to open enough to accept the glass shelf.
- B) Place plastic shelf bumper into place on bottom support.
- C) Place shelf into shelf supports.
- D) Insert second plastic bumpers between top of glass surface and top clamp.
- E) Retighten shelf clamps.



Equipment Alert

Ensure glass shelf is securely fastened to prevent it from being dislodged from clamps.



Clock/Timer Operation

Controls



GA1233i

Intended Use - Clock / Timer

This product is intended to be used as a timing device to indicate the time of day, and provide a means of timing various processes used in the medical or dental procedures.

Operation

Backup Power Mode

If power is out for **less** than 30 seconds:


- Clock automatically restores correct time of day.
- Timer and display operation restored as if no power loss occurred.
- No alarm if timer counts down to zero during power loss.

If power is out for **more** than 30 seconds:

- Timer memory loses preprogrammed times.
- Preset times return to factory setting:
(Timer 1 = 40 secs. Timer 2 = 3:00 minutes).
- If necessary, Preset times must be reset.


Clock/Timer Operation

Setting Time of Day


Press and Hold  (Two Beeps) for three seconds.

Clock


Current Setting

Press  to increment Hour digit to desired time.


Hour/Min

Press  to decrement Hour digit to desired time.

Hour/Min

Press  to increment Minutes digit to desired time.

Min/Sec

Press  to decrement Minutes digit to desired time.

Min/Sec

Press  (One Beep) to Save the new time of day setting.

Clock

New Time of Day

Timer Count-Down

Press  (One Beep)

00:00


Start

Press  to increment Minutes digit to desired setting.

Hour/Min

Press  to decrement Minutes digit to desired setting.

Hour/Min


Press  to increment Seconds digit to desired setting.

Min/Sec

Press  to decrement Seconds digit to desired setting.


Min/Sec

Note

Pressing  (One Beep) cancels the count-down program and Time of Day is displayed.

Clock

Current Time of Day

Press  (One Beep) to begin timer count-down.

Start


At the end of the count-down the display shows and the alarm sounds 5 times:

00:00

Press  (One Beep) to stop the alarm.

Clock

Note

If the  button is not depressed when the timer ends, the Clock / Timer will begin to count-up. The time that has passed since the end of the alarm will be displayed.


Clock

Clock/Timer Operation

Timer Count-Up


Press  (One Beep)
Start

00:00

Press  (One Beep) to begin timer count-up.
Start

00:01


Note

Pressing  (One Beep) cancels the count-up program and Time of Day is displayed.

Clock

Current Time of Day


Programming Preset Timer(s) for Time Setting

Press  until desired preset to change is reached.
Preset

Current Programmed Preset Time


Press  or  to increase desired time.
Hour/Min Min/ Sec

Press  or  to decrease desired time.
Hour/Min Min/ Sec


Press and Hold  for three seconds to save new programmed time.
Preset

New Programmed Preset Time


Preset Timer(s) Count-Down

Press  until desired preset to change is reached.
Preset

Current Programmed Preset Time

Press  (One Beep) to begin timer count-down.
Start

Note


Pressing  (One Beep) cancels the count-down program and Time of Day is displayed.

Clock


Current Time of Day

At the end of count-down the display shows and the alarm sounds 5 times.

00:00

Press  (One Beep) to stop the alarm.
Clock

Note

If the  button is not depressed when the timer ends, the Clock / Timer will begin to count-up. The time that has passed since the end of the alarm will be displayed.

Clock

Installation (Artizan® Expressions Treatment Station)



Equipment Alert

Dedicated branch circuit rated at 120VAC, 50/60 Hz, 20 amp.

TS36XX

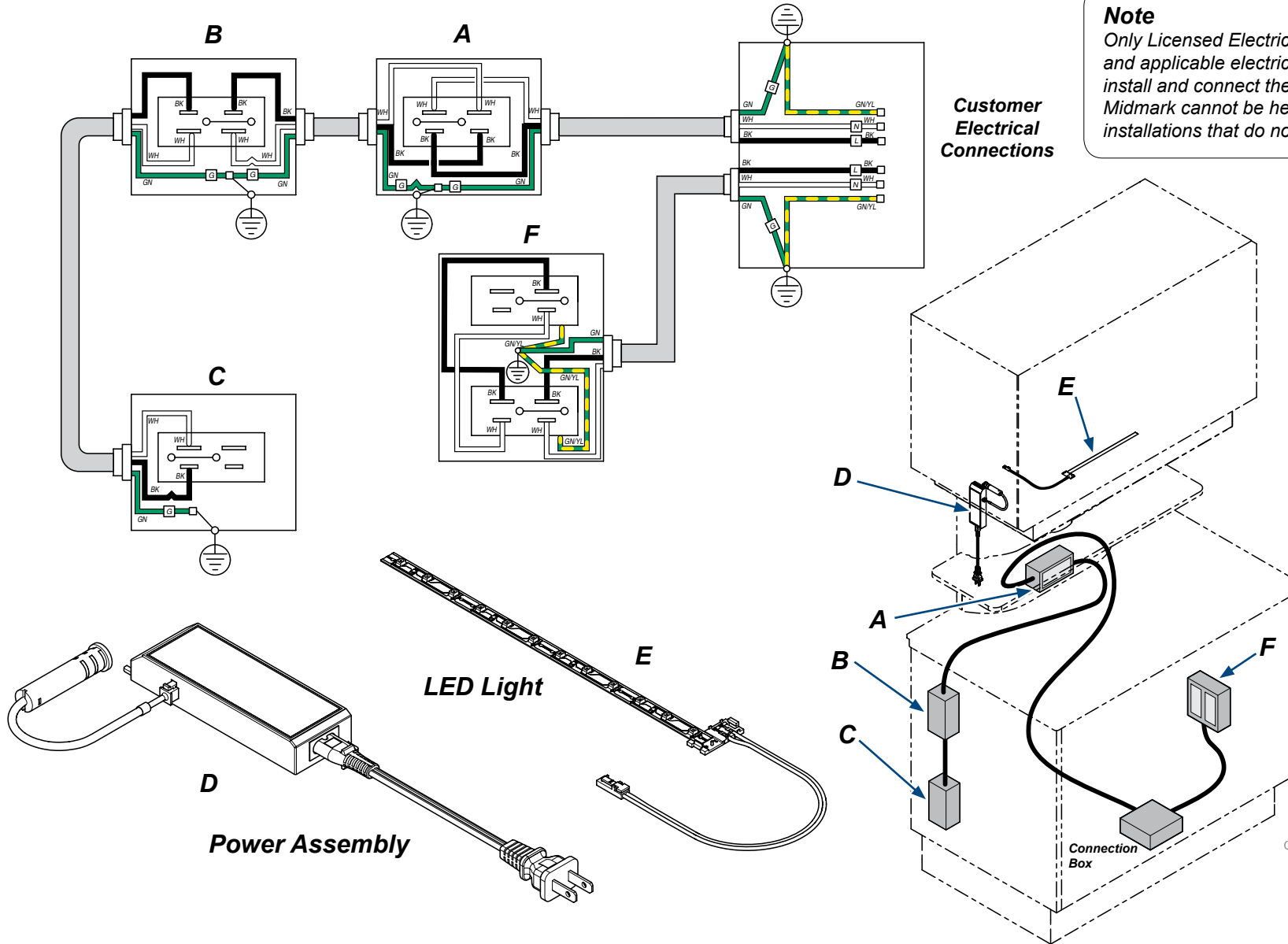


Equipment Alert

Important Notice: This unit must be wired to a GFCI protected circuit.

Note

Only Licensed Electricians following local and applicable electrical codes should install and connect the electrical supply power. Midmark cannot be held responsible for installations that do not conform to local codes.



Customer
Electrical
Connections

Connection
Box

GA1229i

Installation (Artizan® Expressions Treatment Station)



Equipment Alert

Dedicated branch circuit rated at 120VAC, 50/60 Hz, 20 amp.

TS36XX
Reversed

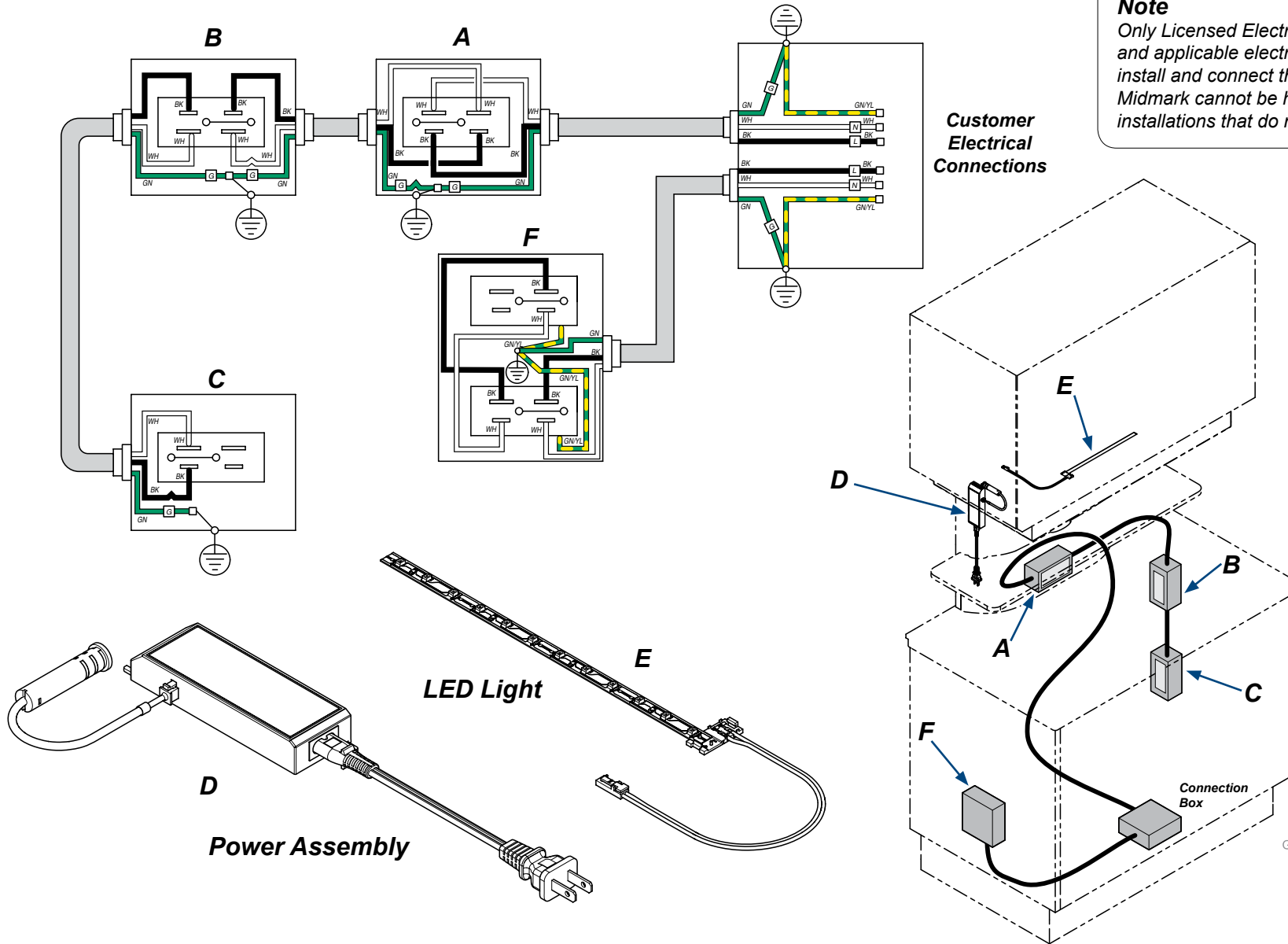


Equipment Alert

Important Notice: This unit must be wired to a GFCI protected circuit.

Note

Only Licensed Electricians following local and applicable electrical codes should install and connect the electrical supply power. Midmark cannot be held responsible for installations that do not conform to local codes.



Customer
Electrical
Connections

Connection
Box

GA1230I

Installation (Artizan® Expressions Treatment Station)

TS43XX



Equipment Alert

Dedicated branch circuit rated at 120VAC, 50/60 Hz, 20 amp.

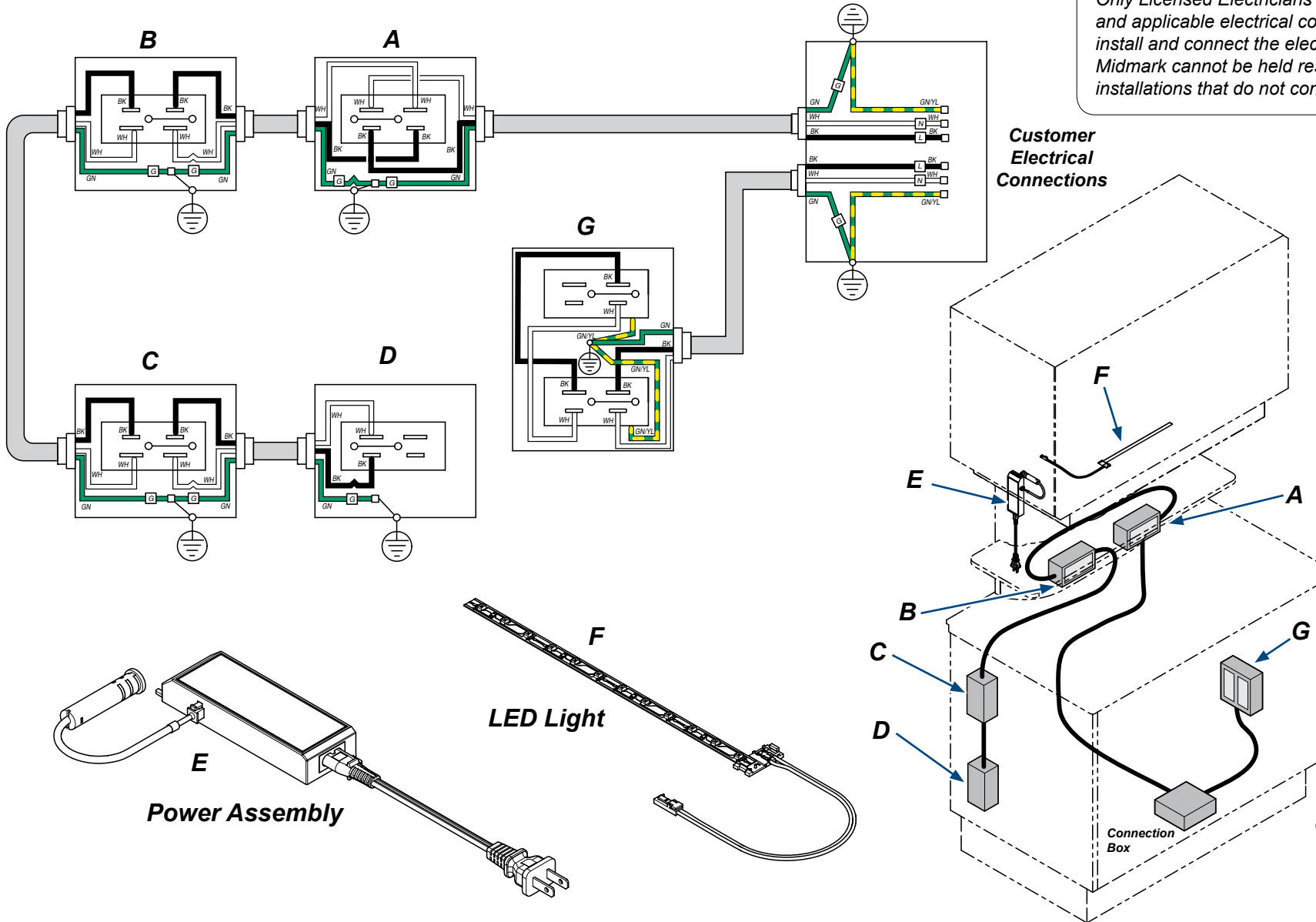


Equipment Alert

Important Notice: This unit must be wired to a GFCI protected circuit.

Note

Only Licensed Electricians following local and applicable electrical codes should install and connect the electrical supply power. Midmark cannot be held responsible for installations that do not conform to local codes.



Customer
Electrical
Connections

Connection
Box

GA12311

Installation (Artizan® Expressions Treatment Station)



Equipment Alert

Dedicated branch circuit rated at 120VAC, 50/60 Hz, 20 amp.

TS43XX
Reversed

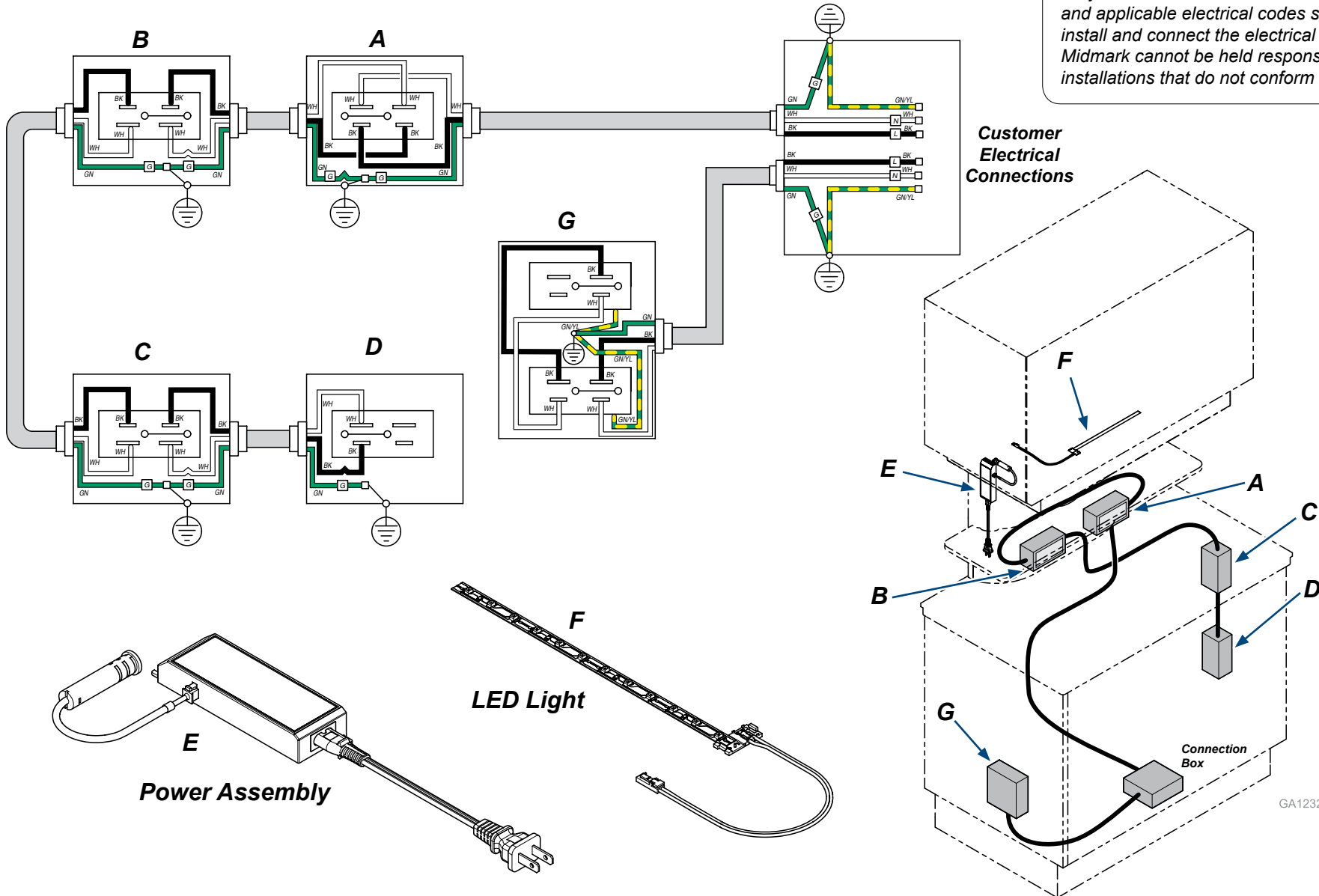


Equipment Alert

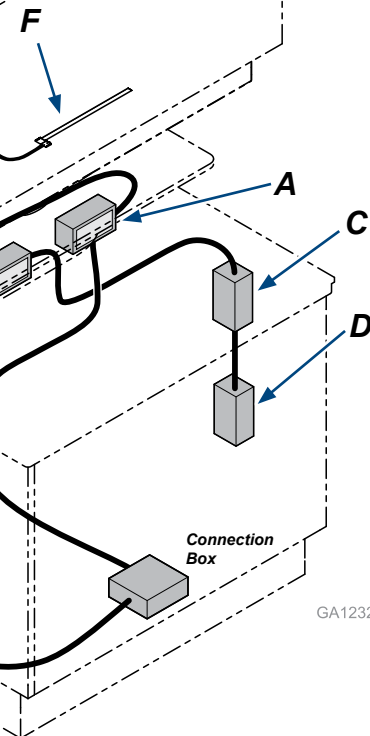
Important Notice: This unit must be wired to a GCFI protected circuit.

Note

Only Licensed Electricians following local and applicable electrical codes should install and connect the electrical supply power. Midmark cannot be held responsible for installations that do not conform to local codes.



Customer
Electrical
Connections



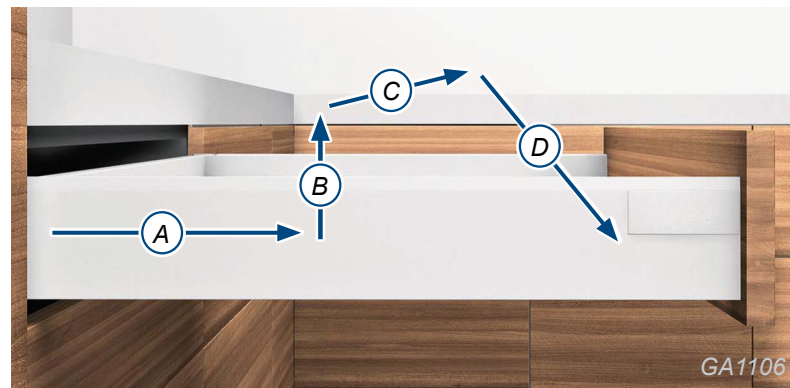
GA12321

TP201 Rev. A

Drawer Removal, Installation and Adjustment

Drawer Removal

- A) Open drawer completely.
- B) Lift up on the drawer front until the front of the box releases from the glide.
- C) Pull out on the drawer slightly.
- D) Lower the drawer back down while pulling out on the drawer.



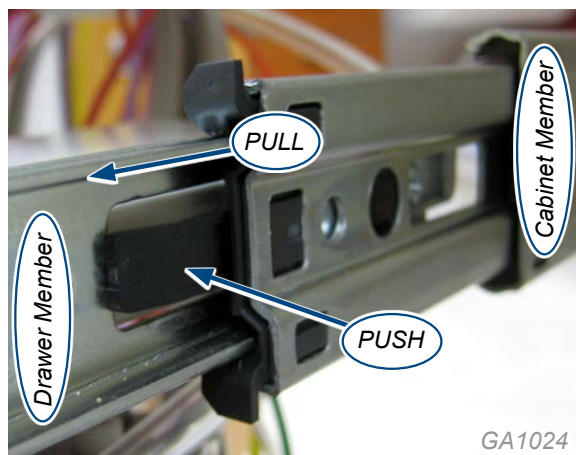
Drawer Installation

- A) Fully extend drawer glides from the cabinet. (Optional)
- B) Place the drawer on the glides.
- C) Push the drawer in completely.
- D) Cycle drawer a couple times to ensure that the drawer is securely attached to the glides.

Full Extension Glide Removal & Installation...

Removal

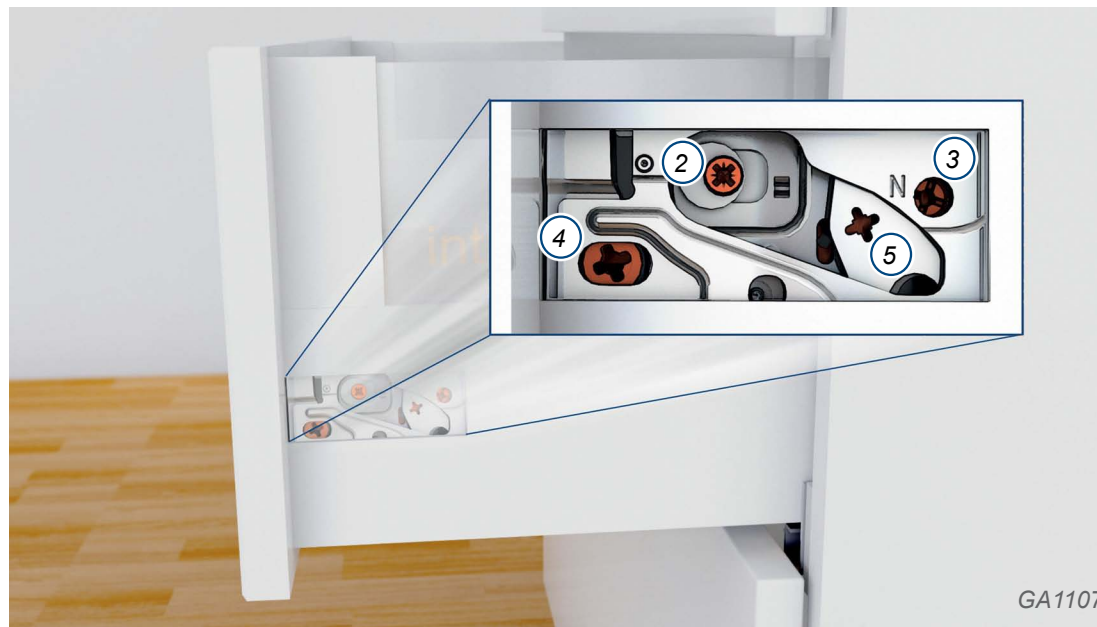
- A) Extend the glide to its outermost position. Push the release levers in and remove the drawer member of the sides.



GA1024

Installation

- A) Line up the drawer member to the cabinet member and push the drawer into its compartment.



GA1107

Drawer Front Adjustment and Removal

- 1) Remove the cover caps on the drawer side by hand.
- 2) Height Adjustment: Rotate in either direction to adjust the drawer front vertically.
- 3) Tilt Adjustment: Adjust after the drawer front is installed to ensure the drawer sides meet square with the drawer front. (Only available on large drawer boxes.)
- 4) Side Adjustment: Adjusts the drawer front horizontally. Turn in either direction.
- 5) Tension/Removal: For large drawers, turn the screw toward the front of the drawer until the front detaches from the box. Repeat this procedure on both sides of the drawer. For small and medium drawer boxes, turn the screw toward the back of the drawer to remove the front.

Door Removal, Installation, and Adjustment

Hinge 1 & 2 Adjustments

Use a phillips head screw driver for the following steps...

- Screw A adjusts the door in direction A seen in the Adjustment Direction Guide
- Screw B adjusts the door in direction B. Equal adjustment must be made to all hinges on the door for it to move the desired distance.
- Screw C adjusts the door in the C direction. Make adjustments to top and bottom hinge as necessary.

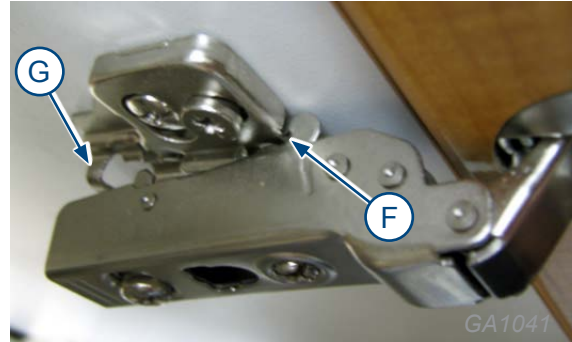
Note: Use a level to ensure the door is level and plumb. Preferred gaps are approximately 1/8" between doors and 1/16" between accents and doors.

Hinge 1 & 2 Removal

- Press button at point E at the back of the hinge and pull away from cabinet.

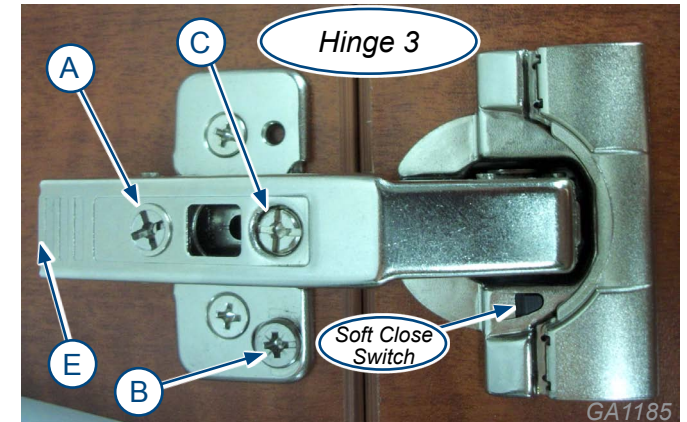
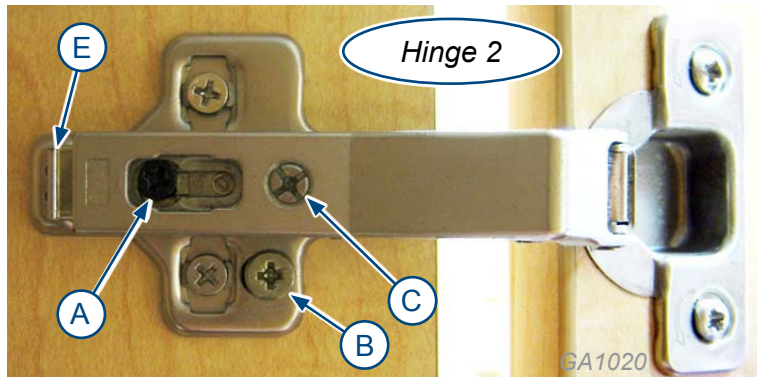
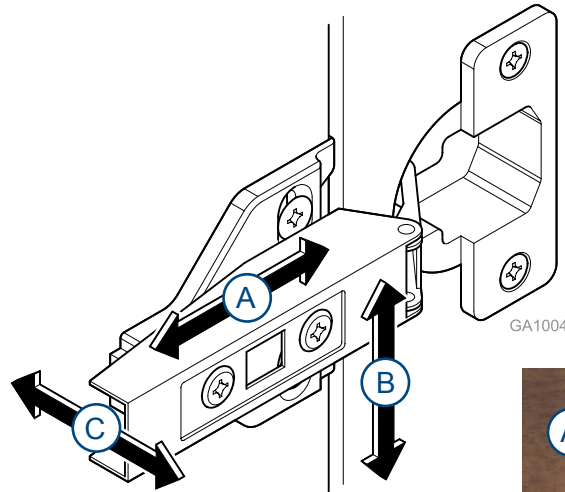
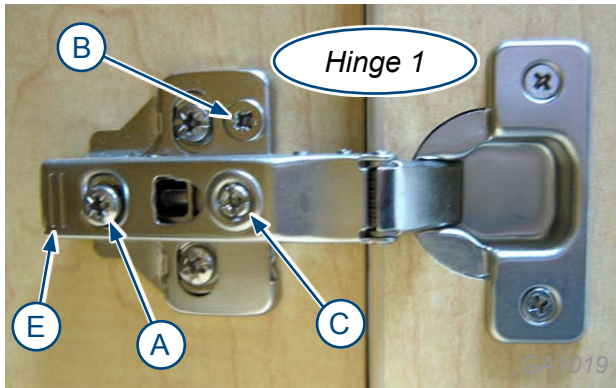
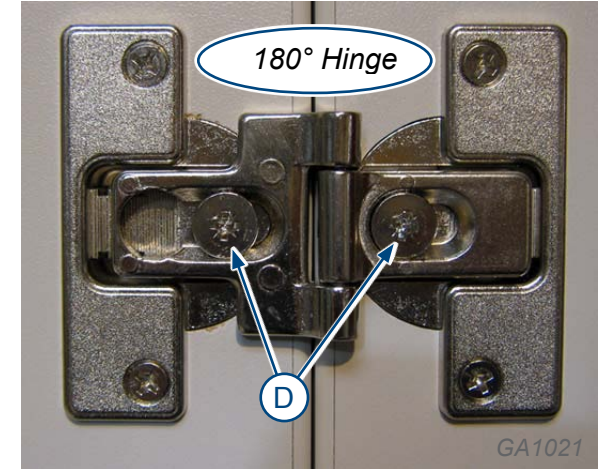
Hinge 1, 2, & 3 Installation

- Hook the hinge to the mounting block at point F
- Latch at point G by pressing the hinge against the hinge block.



180° Hinge Adjustments

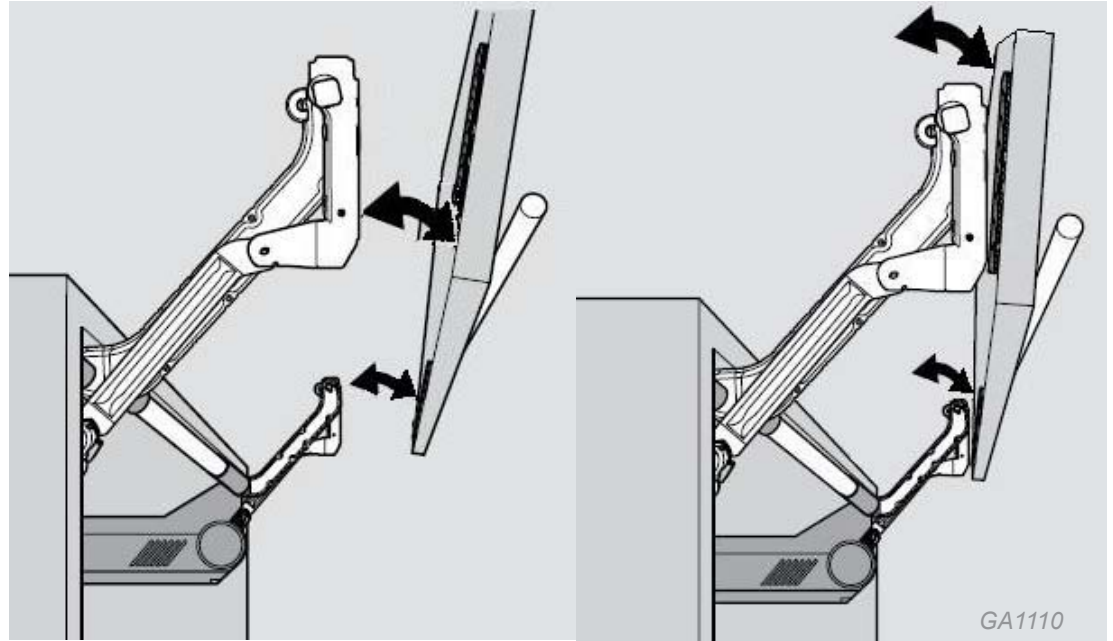
- Loosen screw D and adjust door gap and angle using a level. Tighten screw D when positioned correctly,



Aventos HL Door Installation, Adjustment, and Removal

Aventos HL Door Installation

- A) Fully extend the arm from the cabinet.
- B) Hook the bottom of the mounting block located on the door to the bottom of the arm and then tip the top of the door towards the cabinet to latch the door to the arms.



Aventos HL Door Removal

- A) Open door completely.
- B) Support the door with one hand and push down on the door front release tab at the end of the arm assemblies. Do this for both arms.
- C) Tilt the top of the door away from the cabinet and lift up to free the door from the arms.



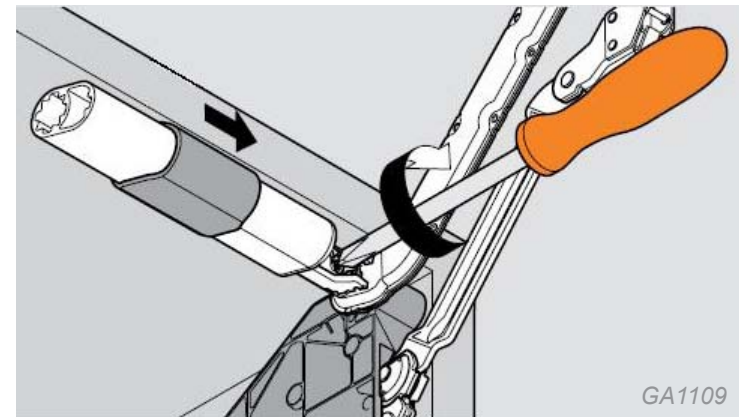
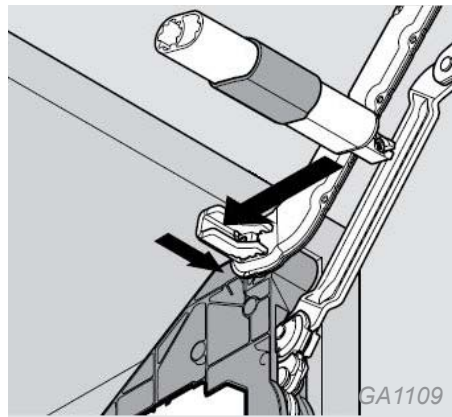
Important

Refer to the provided image for neutral tension adjustment.

Aventos HL Stabilizer Rod Installation and Removal

- A) Slide the stabilizer rod cover caps onto the rod.
- B) Insert the stabilizer rod adapters being careful to line up the tabs.
- C) Attach the rod assembly to each arm assembly and tighten the locking screw.
- D) Slide the stabilizer rod cover caps over the locking screws.

Note: To remove the stabilizer rod undo these steps in reverse order.



Important

For correct operation of the lifting mechanism, the stabilizer rod must be installed.

Aventos HL Door Installation, Adjustment, and Removal

Aventos HL Tension Adjustment

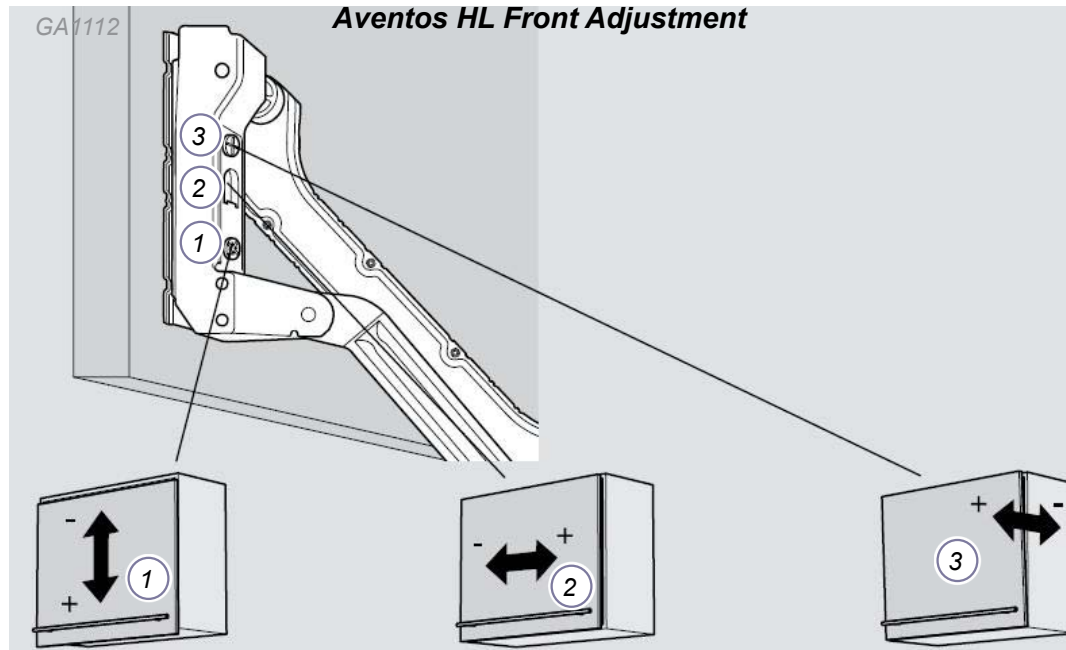
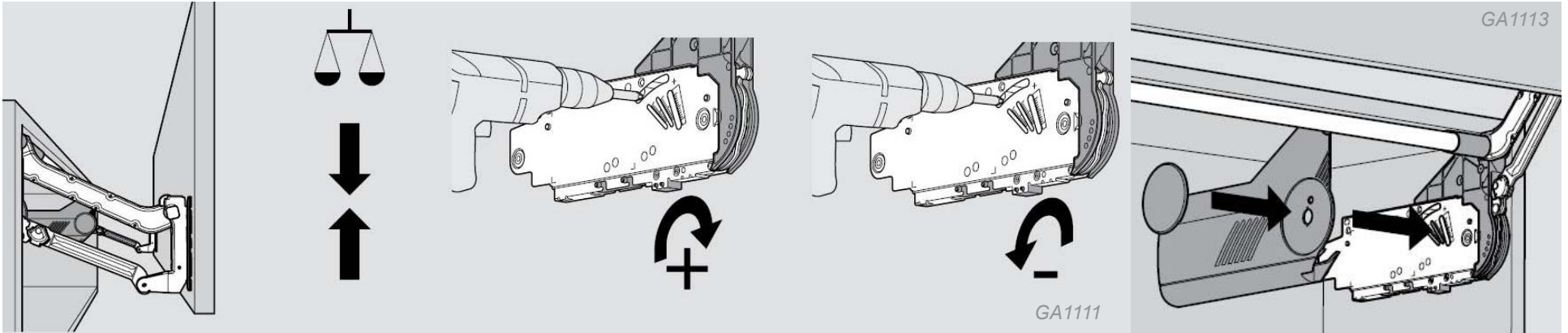
- 1) Remove the cover caps by pulling out on them.
- 2) Remove servo if applicable. See "Servo Drive Installation and Removal" in this manual.
- 3) To adjust the lift mechanisms tension use a #2 phillips head driver. Close the door halfway as shown below and adjust until the door balances in that position.
- 4) Re-install the cover caps.



WARNING

Risk of injury from spring loaded arm

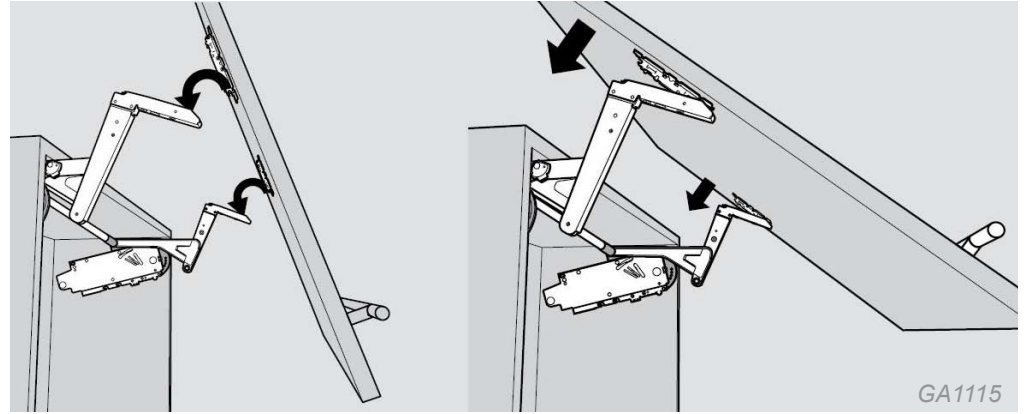
- Do not push the arm assembly down or leave in the down position without the door attached.



Aventos HS Door Installation, Adjustment, and Removal

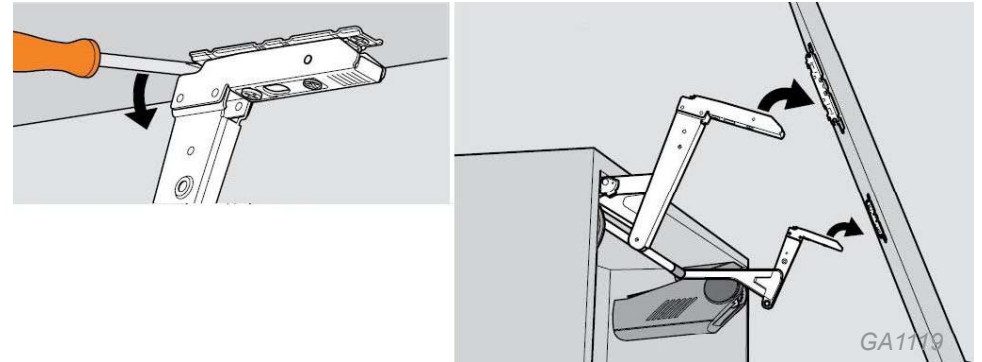
Aventos HS Door Installation

- Fully extend the arm from the cabinet.
- Hook the bottom of the mounting block located on the door to the bottom of the arm and then tip the top of the door towards the cabinet to latch the door to the arms.



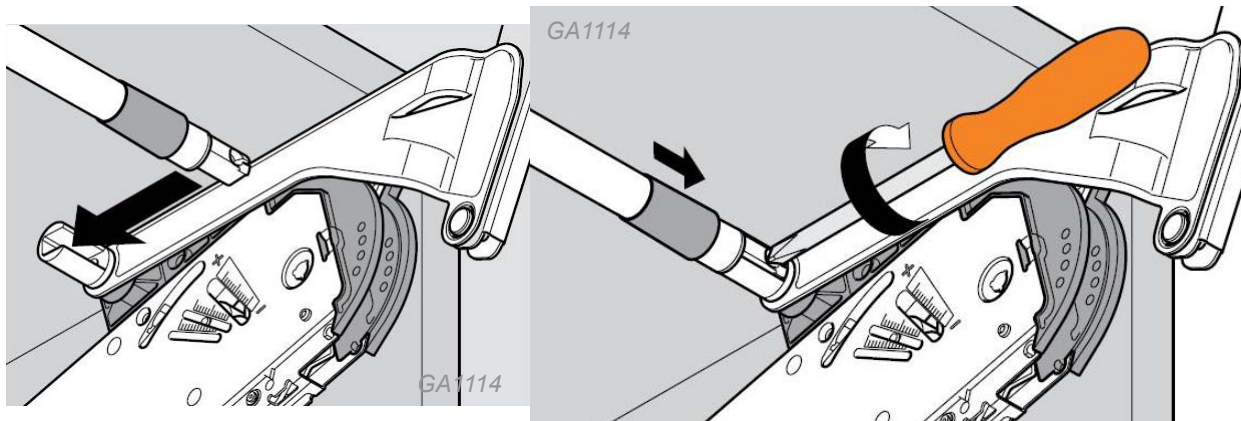
Aventos HS Door Removal

- Open door completely.
- Support the door with one hand and push down on the tab with a flat blade screw driver to release the clip mechanism on the arm assemblies. Do this for both arms.
- Tilt the top of the door away from the cabinet and lift up to free the door from the arms.



Important

- Refer to the provided image for neutral tension adjustment.
- The amount of tension can be seen on the scale below the adjustment screw. The tension should be the same in both left and right lifting mechanisms.



Aventos HS Stabilizer Rod Installation and Removal

- Slide the stabilizer rod cover caps onto the rod.
- Insert the stabilizer rod adapters being careful to line up the tabs.
- Attach the rod assembly to each arm assembly and tighten the locking screw.
- Slide the stabilizer rod cover caps over the locking screws.

Note: To remove the stabilizer rod undo these steps in reverse order.



WARNING

Risk of injury from spring loaded arm

- Do not push the arm assembly down or leave in the down position without the door attached.



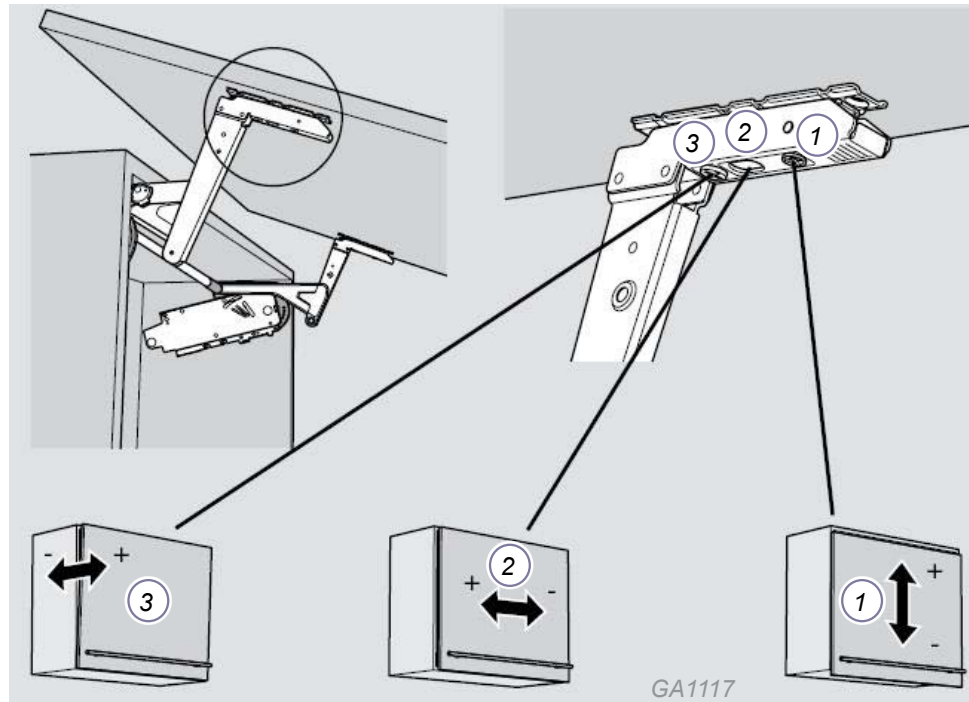
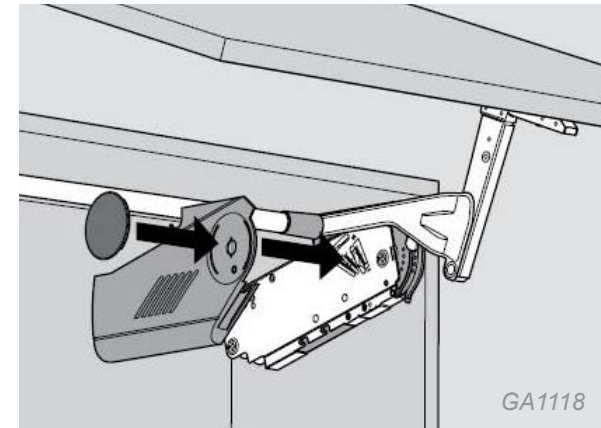
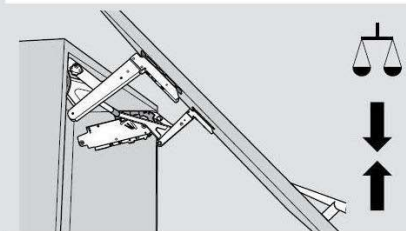
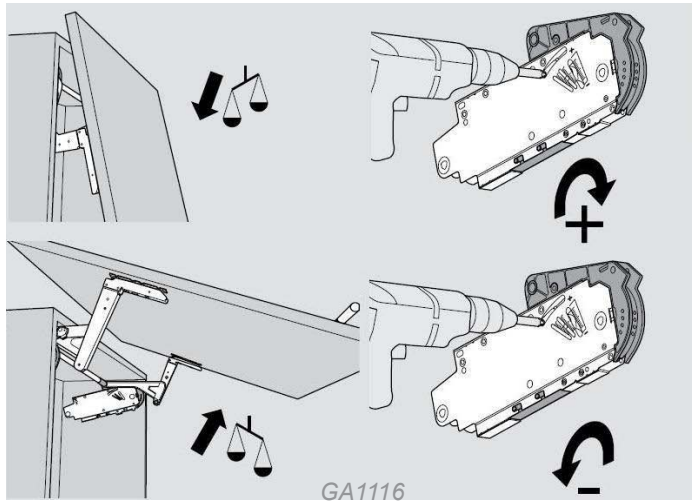
Important

For correct operation of the lifting mechanism, the stabilizer rod must be installed.

Aventos HS Door Installation, Adjustment, and Removal

Aventos HS Tension Adjustment

- 1) Remove the cover caps by pulling out on them.
- 2) Remove servo if applicable. See "Servo Drive Installation and Removal" In this manual.
- 2) To adjust the lift mechanisms tension use a #2 phillips head driver. Close the door halfway as shown below and adjust until the door balances in that position.
- 3) Re-install the cover caps.



Cleaning / Maintenance (Artizan® Expressions Central Station)

Disinfecting Procedures for External Surfaces

Attention!

Midmark assumes no responsibility or liability for any result, expressed or implied. These are suggested practices, based on the best information available at this time.



Equipment Alert

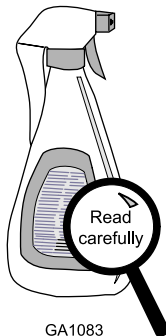
- Users should not use cleaning or decontamination methods different from those recommended by the manufacturer without first checking with the manufacturer that the proposed methods will not damage the equipment.
- Midmark's dental equipment is manufactured from the most chemical-resistant materials available. However, no material is impervious to every chemical. Using protective barriers is the most effective method to prevent equipment damage.
- Use only moist cloth with appropriate cleaner for cleaning casework.

Cleaning and Disinfectant Procedures

Use cleaners and disinfectants that are appropriate for the situation such as warm water and mild detergents, or an ammonia based cleaner.

NOTE: Every dental practice is different, and no single disinfectant is the best choice for every facility. Listed below are some organizations to assist you in choosing the best disinfectants available for your practice.

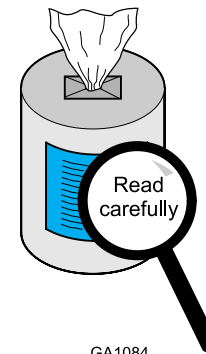
- Organization for Safety & Asepsis Procedures: <http://www.osap.org>
- American Dental Association: <http://www.ada.org>
- Dept. of Health & Human Resources Centers for Disease Control & Prevention (CDC): <http://www.cdc.gov>



GA1083

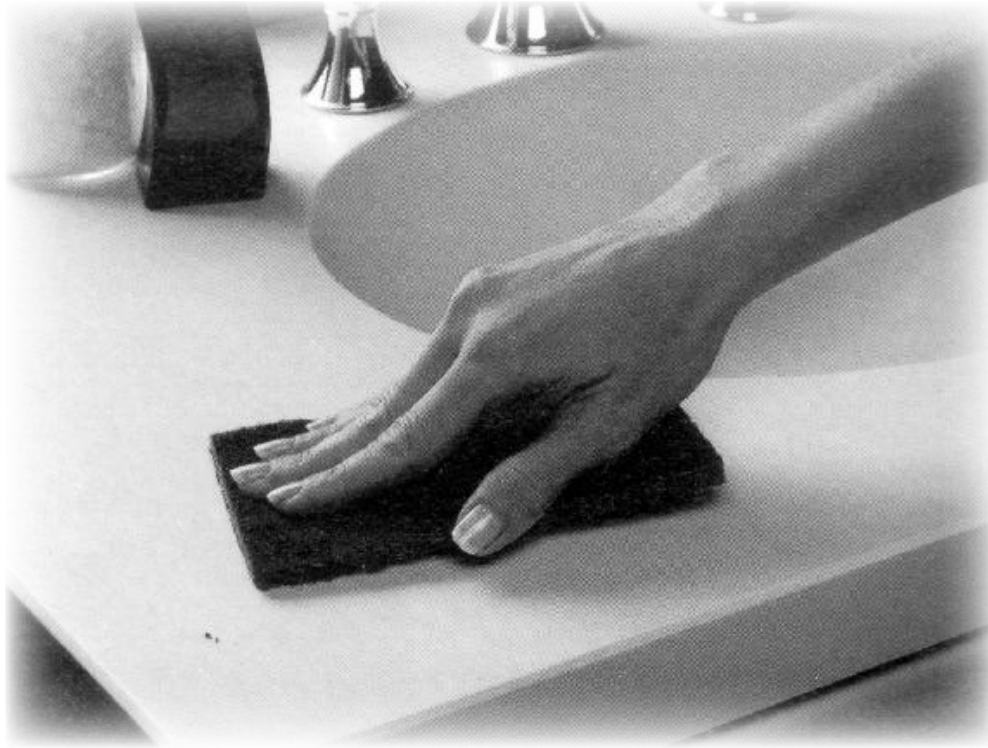
When using disinfectants...
Carefully read the product label and directions for use.
Do not exceed the dilution rate.

Read all labels carefully!



GA1084

Cleaning and Maintenance (Solid Surface)



Caring for your Solid Surface countertop is as simple as wiping the surface with a damp cloth. If a stain develops, wipe it away with soap and water. Or if you prefer wipe it clean with ammonia based cleaner.




















If a stain doesn't respond to soap and water, for a matte finish, apply an abrasive cleanser and buff with a Scotch-Brite™ pad using a circular motion. The same technique can be used for burns. **If you have a gloss finish, please contact your dealer or fabricator before attempting repairs.**

For minor cuts and scratches, simply sand lightly with a medium (220 grit) sandpaper, then follow with a fine (320 grit) sandpaper. Finally, touch up the finish by buffing with a Scotch-Brite™ pad.



Caution

Do not expose the surface to harsh chemicals, such as paint remover, turpentine, nail polish remover or stove and drain cleaners. If these chemicals come in contact with the surface, immediately wash them off with water, using appropriate safety measures to avoid injury.

	Item	Color (English)	Farbe (Deutsch)	Couleur (Français - Europe)	Color (español europeo)	Colore (italiano)	Color (others)
	BK	Black	Schwarz	Noir	Negro	Nero	
	BL	Blue	Blau	Bleu	Azul	Blu	
	BR	Brown	Braun	Marron	Marrón	Marrone	
	CL	Clear	Durchsichtig	Incolore	Transparente	Trasparente	
	GN	Green	Grün	Vert	Verde	Verde	
	GY	Grey	Grau	Gris	Gris	Grigio	
	OR	Orange	Orange	Orange	Naranja	Arancione	
	PR	Purple	Purpur	Pourpre	Morado	Porpora	
	CL/PR	Clear Purple	Durchsichtig Purpur	Incolore Pourpre	Transparente Morado	Trasparente Porpora	
	RD	Red	Rot	Rouge	Rojo	Rosso	
	WH	White	Weiß	Blanc	Blanco	Bianco	
	YL	Yellow	Gelb	Jaune	Amarillo	Giallo	
	PK	Pink	Pink	Rose	Rosa	Rosa	
	TN	Tan	Hellbraun	Fauve	Marrón claro	Tanè (marrone scuro)	
	BK/WH	Black/White	Schwarz / Weiß	Noir / Blanc	Negro / Blanco	Bianco / Nero	
	BL/WH	Blue/White	Blau / Weiß	Bleu / Blanc	Azul / Blanco	Blu / Bianco	
	BR/WH	Brown/White	Braun / Weiß	Marron / Blanc	Marrón / Blanco	Marrone / Bianco	
	CL/BK	Clear / Black	Durchsichtig / Schwarz	Incolore / Noir	Transparente / Negro	Trasparente / Nero	
	GN/WH	Green / White	Grün / Weiß	Vert / Blanc	Verde / Blanco	Verde / Bianco	
	GN/YL	Green / Yellow	Grün / Gelb	Vert / Jaune	Verde / Amarillo	Verde / Giallo	
	OR/WH	Orange / White	Orange / Weiß	Orange / Blanc	Naranja / Blanco	Arancione / Bianco	
	PR/WH	Purple / White	Purpur / Weiß	Pourpre / Blanc	Morado / Blanco	Porpora / Bianco	
	RD/WH	Red / White	Rot / Weiß	Rouge / Blanc	Rojo / Blanco	Rosso / Bianco	
	VI/WH	Violet / White	Violett / Weiß	Violet / Blanc	Violeta / Blanco	Viola / Bianco	
	YL/WH	Yellow / White	Gelb / Weiß	Jaune / Blanc	Amarillo / Blanco	Giallo / Bianco	
	YL/GN	Yellow / Green	Gelb / Grün	Jaune / Vert	Amarillo / Verde	Giallo / Verde	
	YL/BK	Yellow / Black	Gelb / Schwarz	Jaune / Noir	Amarillo / Negro	Giallo / Nero	