

# Lift-A-SYST® II • INSTALLATION GUIDELINES

Manufactured by CounterBalance Corporation • 1025 Louis Drive, Warminster, PA 18974  
T: 215-957-9260 • F: 215-957-9263 • [www.cbal.com](http://www.cbal.com)

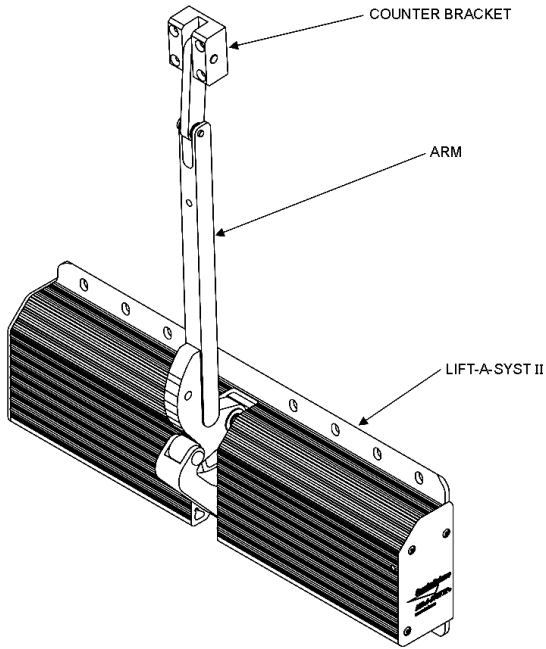
## OVERVIEW

### RECOMMENDED TOOLS & HARDWARE

- (Not Included)
- Tape Measure
  - Power Drill & Bit Set
  - Adjustable Wrench
  - Phillips Head Screwdriver
  - Hex Key Set
  - Mounting Hardware:  
5/16" Bolts, Washers, Nuts (≤ 16)  
#10 Pan Head Screws (4)

### INCLUDED PARTS

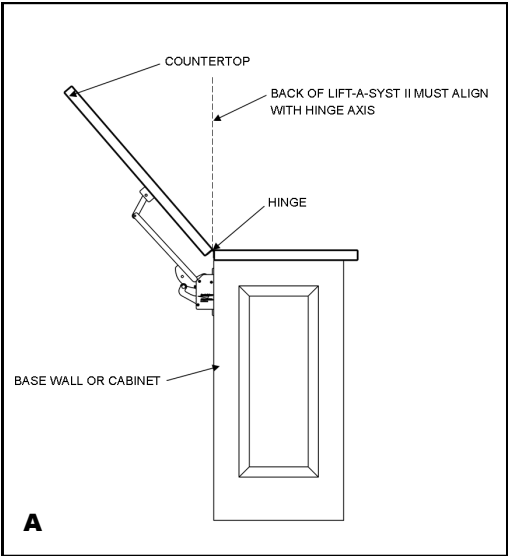
- Mounting Template (1)
- Arm (1)
- Lift-A-SYST II — Black Anodized (1)



## EXAMINATION

- Determine if your Lift-A-SYST II will be mounted on a base cabinet or a die wall. If mounting on a die wall, refer to the instructions on reverse side.
- Ensure that your package contains all of the contents needed for proper installation. Refer to the overview above.
- When properly positioned, the Lift-A-SYST II must be mounted on the same vertical plane as the countertop hinge. If the hinge is attached to an overhang, use a spacer such as wood blocking of appropriate thickness. The spacer must be securely fastened between the Lift-A-SYST II and the vertical face of the base cabinet to align properly with the hinge. (Figure A)
- Verify that the mounting area will accommodate the measurements of the Lift-A-SYST II (Minimum of 10" high x 20" wide x 3/4" thick, flat surface.)
- In rare instances, Lift-A-SYST II may create a twisting effect on the substrate where mounted. If there is movement in the cabinet corner joints, it is highly recommended to install metal corner brackets to secure the sides of cabinet to the countertop.

**STOP:** If the cabinet base construction is less than 3/4" thick, or is not structurally sound, reinforce the base cabinet with a suitable backing plate.

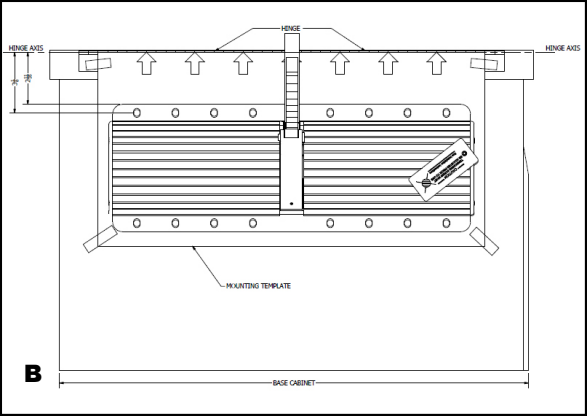


## INSTALLATION

### Step 1 – Position mounting template on base cabinet. (Figure B)

Mark the centerline of the Lift-A-SYST II on the base cabinet. Position the template as shown and attach with tape.

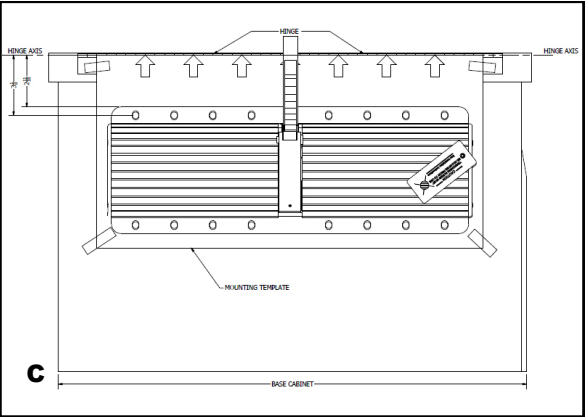
**TIP:** When properly positioned, the top edge of the Lift-A-SYST II will be parallel to and exactly 2.69 in. (68 mm) below the hinge axis. **CAUTION:** The top of Lift-A-SYST II should be parallel with the hinge axis, which may not be level.



### Step 2 – Mark and drill mounting holes. (Figure C)

The Lift-A-SYST II should be mounted securely using a minimum of eight mounting holes — four on the top and four on the bottom. (Figure C). Mark the desired hole locations through the template, and remove the template prior to drilling.

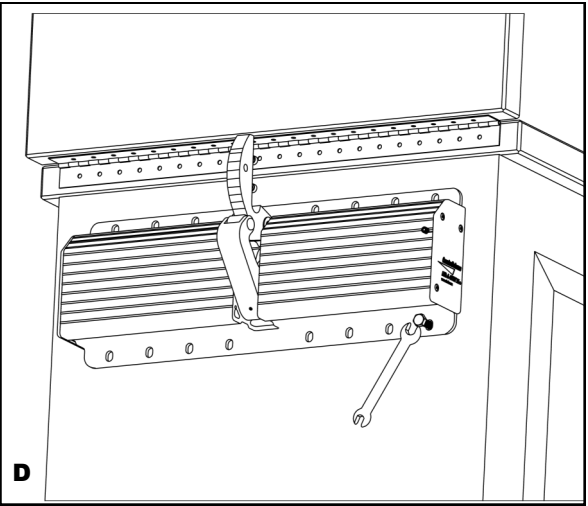
**CAUTION:** It is suggested to use all of the mounting holes.



### Step 3 – Installation. (Figure D)

Position the Lift-A-SYST II so the base cabinet holes are in the center of the slots. Secure to the base cabinet using five 5/16" bolts, washers and nuts.

**TIP:** T-nuts may be substituted to secure the Lift-A-SYST II bolts to the base cabinet if a flush interior cabinet surface is desired.



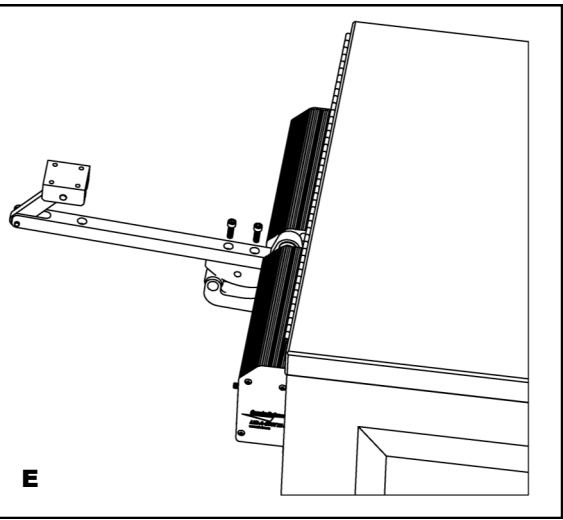
### Step 4 - Connect arm to cam. (Figure E)

Align and secure the arm to the cam using two 1/4" diameter bolts.

### Step 5 – Installation of counter bracket. (Figure F)

With the counter held open in a 90 degree vertical position, fully extend the arm. Rotate the counter bracket to sit flush on the underside of the counter. Mark the location of the four mounting holes. Secure the bracket to the counter, utilizing four #10 pan head screws, allowing for a minimum of 3/4" of thread engagement into the underside of the countertop.

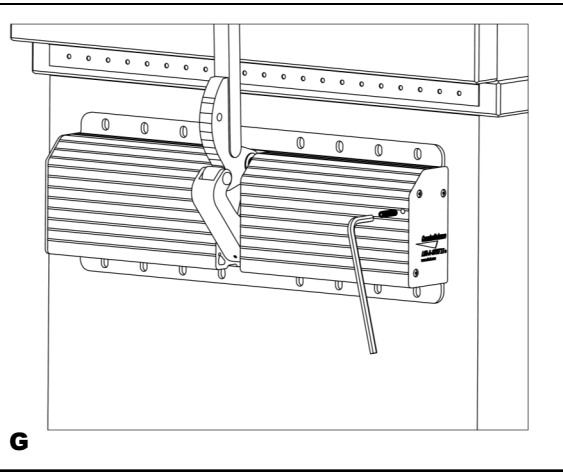
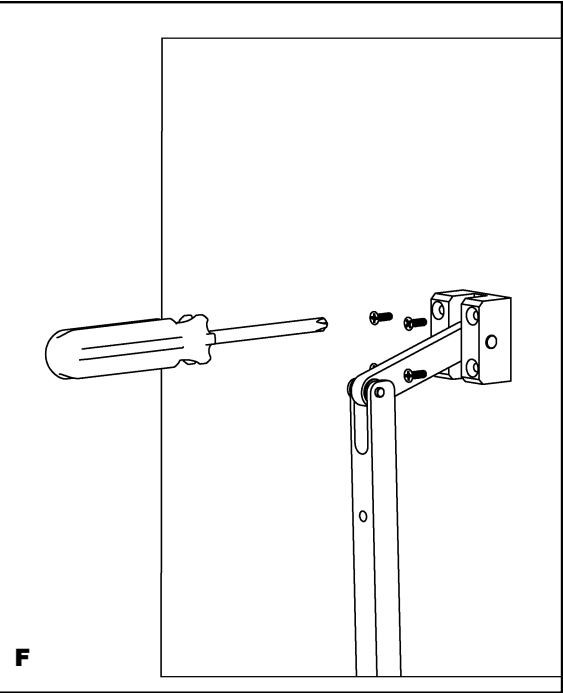
**CAUTION:** If a minimum of 3/4" of thread engagement cannot be achieved, additional blocking should be attached to the underside of the counter to ensure the minimum pull-out strength is acquired. The maximum countertop thickness at the point of the counter bracket connection is two inches.



### Step 6 – Tension adjustment. (Figure G)

While holding counter at a 90 degree position, turn the tension adjuster clockwise with the hex key. Turn until the unit will support the counter. Cycle the counter from a fully open to a fully closed position. When properly adjusted, the counter will remain stationary when released at any point.

**CAUTION:** Tension adjustments must be made with the counter in the fully open position.



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For more information, including available sizes, visit [www.liftasyst.com](http://www.liftasyst.com). Lift-A-SYST® II is a product of CounterBalance Corporation © 2014. For additional sales assistance, e-mail [sales@cbal.com](mailto:sales@cbal.com) or call 215-957-9260.

# Lift-A-SYST® II • DIE WALL INSTALLATION GUIDELINES

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A Die Wall Kit containing separate support brackets is required for most die wall installations. Lift-A-SYST II Die Wall Kits are available for online purchase at [www.cbal.com](http://www.cbal.com).

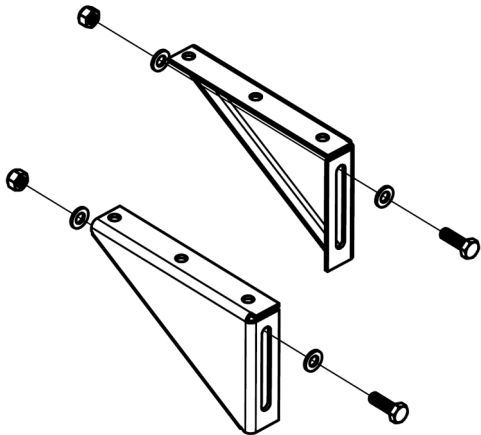
## OVERVIEW

### RECOMMENDED TOOLS & HARDWARE (Not Included)

- Tape Measure
- Power Drill & Bit Set
- Adjustable Wrench
- Mounting Hardware: 5/16" Lag Bolts and anchors (8)

### INCLUDED PARTS

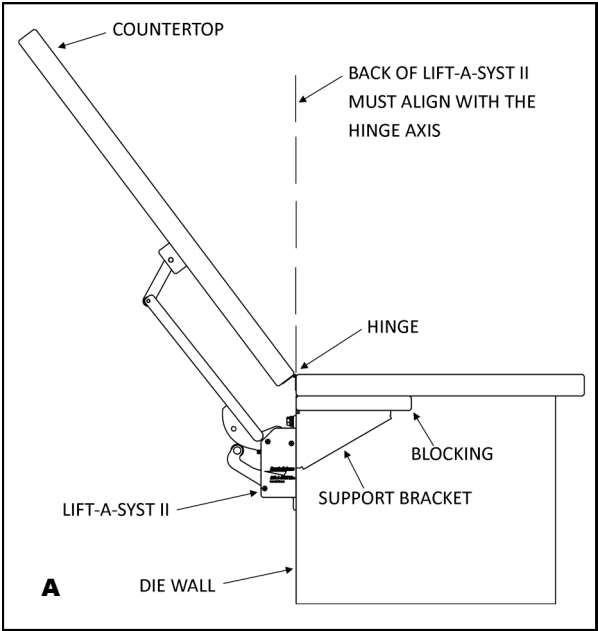
- Support Brackets (2)
- 5/16" Bolts (2), Washers (4), Nuts (2)



## DIE WALL INSTALLATION

### EXAMINATION

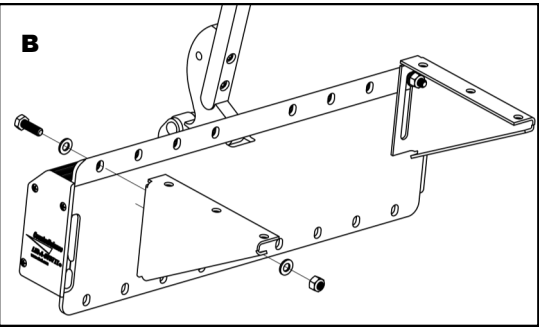
- Determine if your Lift-A-SYST II will be mounted on a base cabinet or a die wall. If mounting on a base cabinet, refer to the installation guide on the reverse side.
- Ensure that your package contains all of the contents needed for proper installation. Refer to the overview above. (Also see the overview for the Lift-A-SYST II parts on the reverse side.)
- When properly positioned, the Lift-A-SYST II must be mounted on the same vertical plane as the countertop hinge. If the hinge is attached to an overhang, use a spacer such as wood blocking of appropriate thickness. The spacer must be securely fastened between the Lift-A-SYST II and the vertical face of the die wall to align properly with the hinge. (Figure A)
- Verify that the die wall, (where the Lift-A-SYST II will be mounted), will accommodate the die wall kit.



**STOP:** Die wall/countertop construction must be structurally sound, with no apparent movement at the joints. If movement is present, the installation of the appropriate reinforcement at affected joints is highly recommended.

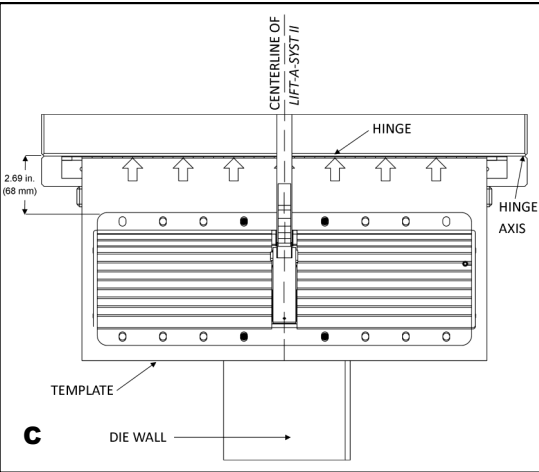
## ASSEMBLY

**Step 1 - Attach support brackets. (Figure B)**  
Attach one bracket to each end of the Lift-A-SYST II utilizing the provided 5/16" bolts, washers and nuts. Position the support brackets at the outside ends of the Lift-A-SYST II.  
**CAUTION:** Note the orientation of the brackets in Figure B.



## INSTALLATION

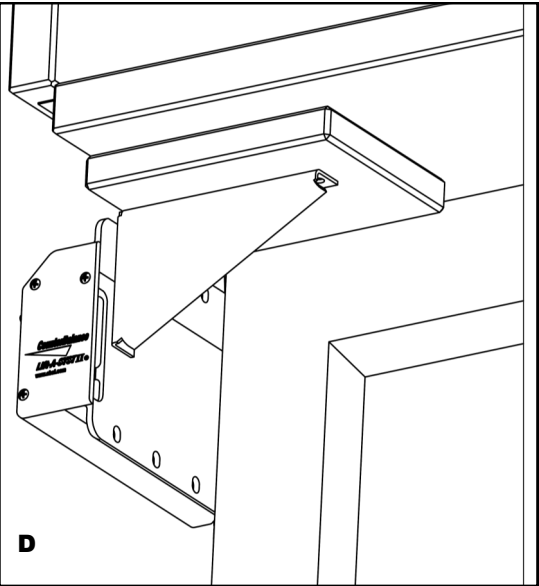
**Step 1 – Position mounting template on die wall. (Figure B)**  
Mark the centerline of the Lift-A-SYST II on the die wall. Position the template as shown and attach with tape.  
**TIP:** When properly positioned, the top edge of the Lift-A-SYST II will be parallel to and exactly 2.69 in. (68 mm) below the hinge axis.  
**CAUTION:** The top of the Lift-A-SYST II should be parallel with the hinge axis, which may not be level.



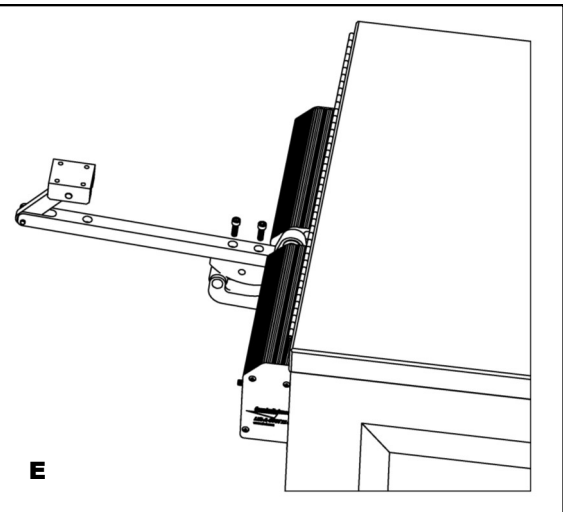
**Step 2 – Mark and drill mounting holes. (Figure C)**  
The innermost top two and innermost bottom two holes are the primary mounting holes to secure the die wall installation. (Figure C) *If possible, use all the shaded holes.* Mark the desired hole locations through the template, and remove the template prior to drilling.

**Step 3 - Position the Lift-A-SYST II.**  
Position the Lift-A-SYST II so the top is parallel to the hinge axis. Tighten the lag bolt at the primary hole to maintain the Lift-A-SYST II position.

**Step 4 - Install blocking at support brackets. (Figure D)**  
With the Lift-A-SYST II positioned, determine the thickness of the blocking required to fill any open space between the top of support brackets and the underside of the counter.  
**TIP:** Measure each space separately. The distance between the top of support bracket and the underside of the countertop may be different on each side.  
**CAUTION:** Blocking must be screwed and glued to underside of the countertop surface.

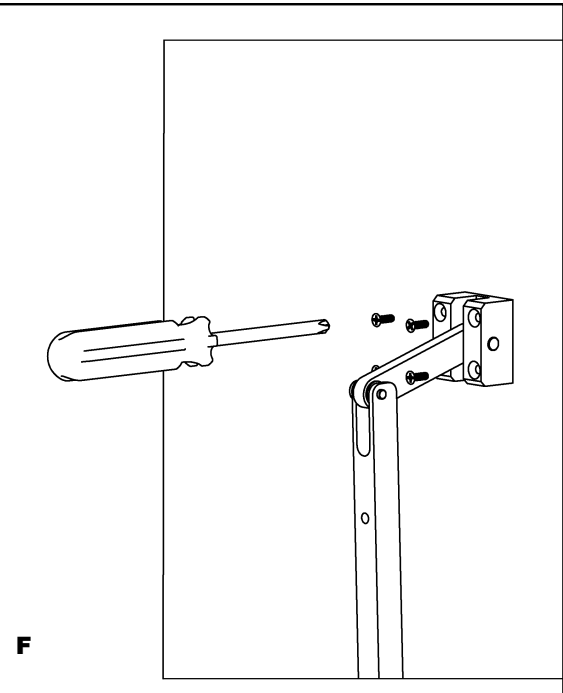


**Step 5 - Secure support brackets to blocking/countertop.**  
Using 5/16" bolts, pre-drill holes and securely fasten the support bracket to blocking/countertop.  
**TIP:** The slots allow for adjustment of the Lift-A-SYST II to be parallel with the hinge axis. Loosen the bolts securing the support brackets to the Lift-A-SYST II and adjust as necessary.

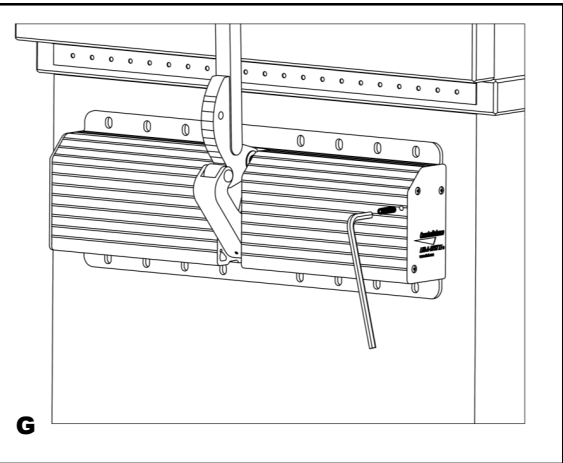


**Step 6 - Connect arm to cam. (Figure E)**  
Align and secure the arm to the cam using two 1/4" diameter bolts.

**Step 7 – Installation of counter bracket. (Figure F)**  
With the counter held open in a 90 degree vertical position, fully extend the arm. Rotate the counter bracket to sit flush on the underside of the counter. Mark the location of the four mounting holes. Secure the bracket to the counter, utilizing four #10 pan head screws, allowing for a minimum of 3/4" of thread engagement into the underside of the countertop.  
**CAUTION:** If a minimum of 3/4" of thread engagement cannot be achieved, additional blocking should be attached to the underside of the counter to ensure the minimum pull-out strength is acquired. The maximum countertop thickness at the counter bracket connection is two inches.



**Step 6 – Tension adjustment. (Figure G)**  
While holding the counter at a 90 degree position, turn the tension adjuster clockwise with the hex key. Turn until the unit will support the counter. Cycle the counter from a fully open to a fully closed position. When properly adjusted, the counter will remain stationary when released at any point.  
**CAUTION:** Tension adjustments must be made with the counter in the fully open position.



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