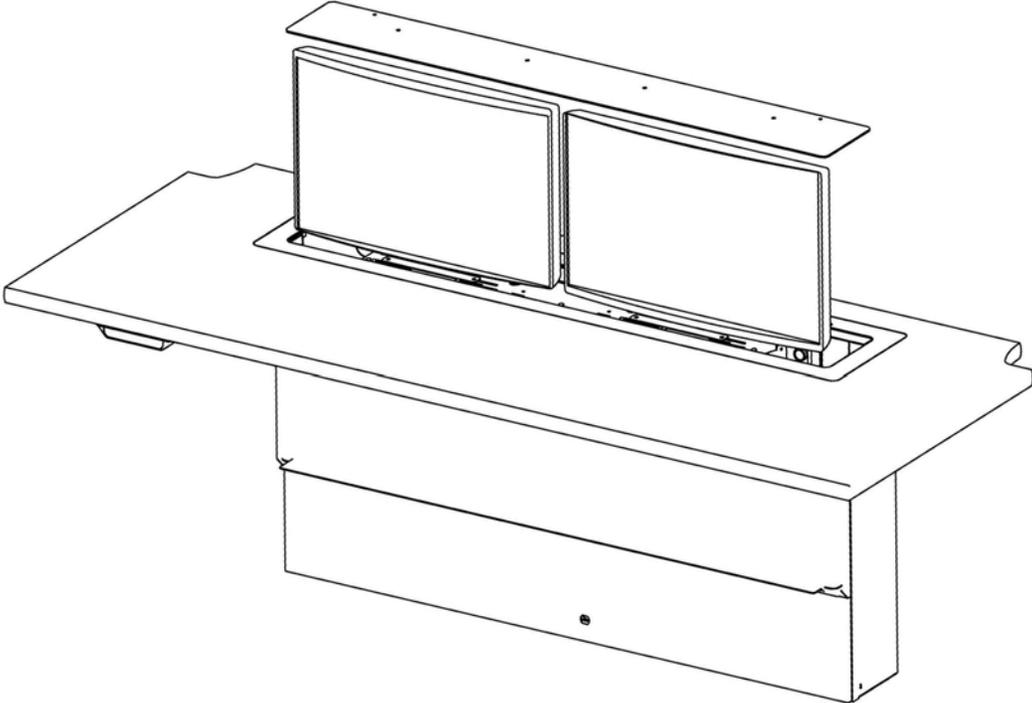


Eaton® LCD Lift™ Flat Panel Display System

Installation Guide



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About this Guide

This document describes how to install the Eaton® LCD Lift™ Flat Panel Display System in your facility.

Audience

This document is intended for installers and/or personnel who are installing the Eaton LCD Lift Flat Panel Display System in your facility.

General Conventions

Before you start the installation process, it is important to understand the conventions used in this publication.

Convention	Meaning
Bold type	Indicates notes, cautions or warnings that provide important information. Failure to follow these warnings may cause personal injury and/or product damage.
<i>Italic type</i>	Indicates titles of publications or information that the user must supply, such as filenames (if applicable).
<u>Underlined type</u>	Indicates links (if applicable).
1. Numbered lists	Indicates procedures that you must follow in a sequential order.
ACRONYMS	Acronyms are defined at the first occurrence in the document. The acronym definition appears first followed by its acronym in parenthesis. For example: electrostatic discharge (ESD).

Documentation

This document can be obtained from our website at <http://www.wrightline.com> by following this procedure:

1. Click on the Library icon, and then select “Installation Manuals”.
2. Click on “Office/Modular Office Furniture” section, and then select Compass, LINX, or Profile.
3. Click on the “LCD Lift” link to view and print this manual.

Browse the documentation library for additional documents pertaining to this product.

Chapter 1 Before you Begin

Introduction

The LCD Lift is a convertible flat panel desk solution that provides innovative housing for your LCD Flat Panel Monitor technology. The LCD Lift is now available for the Compass[®], LINX[®] and Profile[®] lines of modular furniture and can be retrofitted to any of Eaton's technical work surface furniture. This solution is ideal for computer labs, education and training environments, lobby and reception areas or even your personal workstation. Your LCD flat panel electronically elevates to an optimal viewing position with the push of a button. When not in use, you may retract your display into a locked, secure enclosure under the desktop, maximizing your work surface area.

This document describes how to install the LCD Lift in your modular desk system.

Caution: To prevent personal injury and product damage, it is strongly recommended that the unpacking, moving, and assembly processes be performed by two or more people.

Important Safety Information

Please follow these safety guidelines as you unpack, move, and assemble the components of the work surface. Adherence to these guidelines will prevent personal injury and potential product damage.



- When lifting units, there should be at least one person for every 40 lbs. of weight to be lifted.
- Do not, under any circumstance, stand on the Flat Panel Display System.
- Do not stand on the display system to load monitors.

Tools you Will Need

The following tools may be required to successfully install the lift.

- Electric or cordless drill
- Phillips head driver attachment for the drill
- Phillips head hand screwdriver (magnetic tip suggested)
- 3/8" nut driver
- 1/4" socket / 1/4" socket driver

In this Chapter

Refer to the following table for information on a specific topic.

Topic	See Page #
Important Safety Information	1
Tools you Will Need	1
Fasteners you May Be Using	2
LCD Lift Configurations	2

Before you Begin

Fasteners you May Be Using

Depending on the lift you ordered and the size of your work surface, you may need to use some or all of the following fasteners:

- #64857, #10 x 3/4" Large 1/4" Hex Head Wood Screw
- #56529, #6AB x 3/4" Philips Head Wood Screw
- #68374, #8AB x 1/2" Philips Head Sheet Metal Screw
- #59103, #10AB x 3/4" Philips Head Wood Screw
- #82787, M4 x 10mm Philips Head Machine Screw
- #87799, #10 Lock Nut
- #82785, #10 Flat Washer (large)

LCD Lift Configurations

The following table outlines the various LCD Lift configurations and monitor options based on the size of your work surface. Installations can be configured for three possible monitor solutions as indicated below.

Lift Box Size	Minimum Work Surface Size	Single LCD Monitor Size	Dual LCD Monitor Size	Tri-LCD Monitor Size
24"	36"	24"	15"	N/A
36"	48"	24"	18"	N/A
48"	60"	27"	24"	15"

The following table provides the maximum display monitor sizes for the LCD Lift. Monitor sizes may vary from manufacturer to manufacturer; therefore, use this chart as a guideline for the maximum allowable monitor size for use with this product.

LCD Flat Panel Display Monitor	Physical Dimensions
27" widescreen	25.88"W, 16.3"H, 4.2"D*
24" widescreen	22.38"W, 16.3"H, 4.2"D*
21" widescreen	20.0"W, 16.3"H, 4.2"D*
15" standard	11.25"W, 16.3"H, 4.2"D*
18" widescreen	17.32"W, 13.93"H, 4.2"D*

Notes:

- Weight capacity: 40 lbs
- Depth (max)*: 4.2"D (measured from front of bezel to rear of mounting surface)
- All dimensions are specified to maximum conditions
- Can be retrofitted with hand power tools

Chapter 2 Installing the LCD LIFT in Work Surface

This chapter describes how to install the LCD Lift in your modular desk system. This product supports up to three monitor configurations depending on the size of your work surface. For a list of possible monitor configurations, refer to the “LCD Lift Configurations” section in Chapter 1.

Prerequisites

Before the LCD Lift is installed, the work surface must be fully installed. For instructions on installing your work surface, visit our website at <http://www.wrightline.com> and follow these procedures:

1. Click on the Library icon.
2. Click on “Installation Manuals”.
3. Browse the list of products and select the appropriate installation manual for your particular work surface.

Installation Overview / Checklist

The following checklist is intended to be a quick reference to make sure all hardware components of the LCD Lift are installed in the proper order. For further information on any of these steps, refer to the detailed instructions in the corresponding sections of this manual.

Component	Refer to...
Cut Work Surface Opening (if necessary)	Page 4
Install the LCD Electric Lift	Page 5
Install the Actuator Switch	Page 9
Route AC Wiring	Page 11
Install the Monitor(s)	Page 13
Route Monitor Cables	Page 15
Route Monitor Wiring	Page 16
Test and Operate the Lift	Page 17

Tools You Will Need

Refer to the tools and fasteners listed in Chapter 1 for the materials you will need to properly install the LCD Lift in your modular desk system at your facility.

In this Chapter

Refer to the following table for information on a specific topic.

Topic	See Page #
Unpack the Box Contents	4
Cut Work Surface Opening (if applicable)	4
Install the LCD Electric Lift in Work Surface	5
Install the Actuator Switch	9
Route AC Wiring	11

Installing the LCD Lift in Work Surface

Unpack the Box Contents

Before you begin the installation process, ensure that the following parts are included in your shipment. If any components are missing, then please contact Eaton's Technical Support Center at to.support@eaton.com.

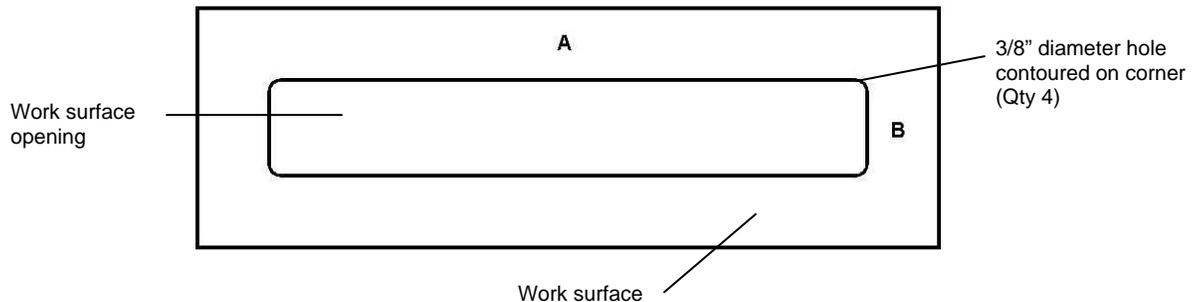
<input checked="" type="checkbox"/>	Part	Qty
	Linear Work Surface, 72"W x 30" Dual Monitor Lift (if ordered)	1
	24", 36" or 48" Lift Assembly box based on order	1
	Work Surface with Dual LCD, 60"W x 30"	1
	24" Monitor	2
	#10 x 3/4" lg hex head self-tap screws	10

Cut Work Surface Opening (if applicable)

If you are installing the LCD Electric Lift in an Eaton modular furniture work surface with no cutout, then you must cut an opening in the work surface to accommodate the lift. Refer to the table and diagram below for cutout dimensions based on the lift you ordered.

If you ordered and are installing the Eaton factory-assembled LCD Electric Lift with a pre-drilled work surface opening, then skip this step and proceed to the next section.

Lift Size	Hole Width (See A)	Hole Depth (See B)
24"	26-13/16"	8-5/8"
36"	38-13/16"	8-5/8"
48"	48-3/8"	8-5/8"



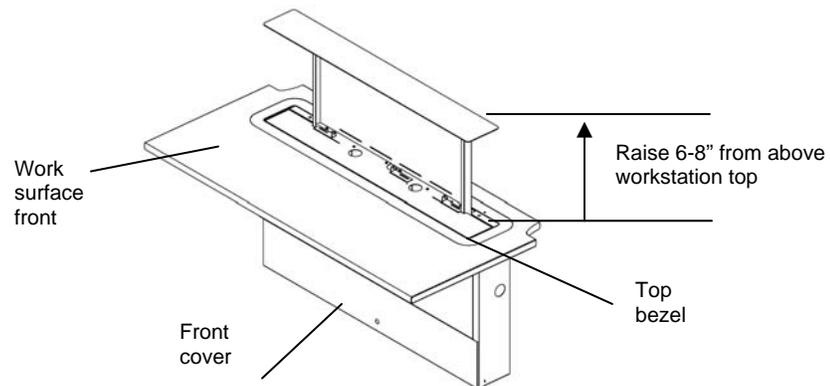
Proceed to the next section for instructions on installing the LCD Electric Lift in the work surface.

Installing the LCD Lift in Work Surface

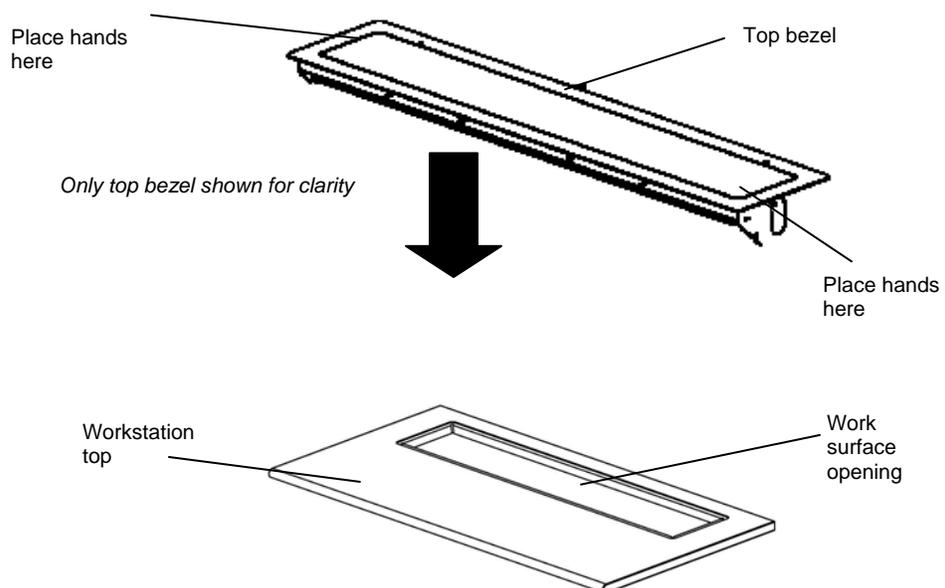
Install the LCD Electric Lift in Work Surface

Follow these procedures to install the LCD Electric Lift in the work surface. Lifts are available in 24", 36", or 48" lift assemblies. The lift is factory-assembled and ready to use. These instructions describe how to install the lift in your modular desk system.

1. Unpack the box contents. Remove the LCD Electric Lift from the box and all contents.
2. Remove the front cover from the LCD Lift.
3. Remove the plastic bag kit contents (includes screws, cable ties and monitor hardware) from the unit. Set it aside.
4. Extend the lift carriage approximately 6 – 8 inches above the top bezel for easier handling and movement as shown in the following illustration.

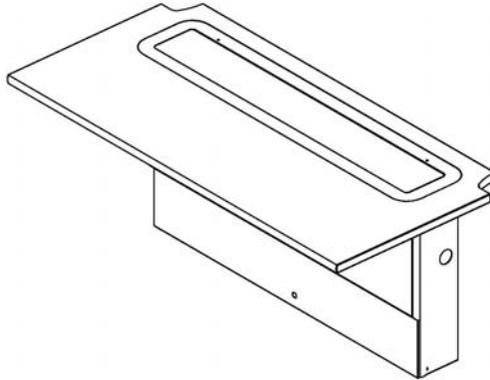


5. With one person on each end of the lift, place your hands inside the top bezel (see figure below), lift the LCD box, and place it inside the work surface opening.

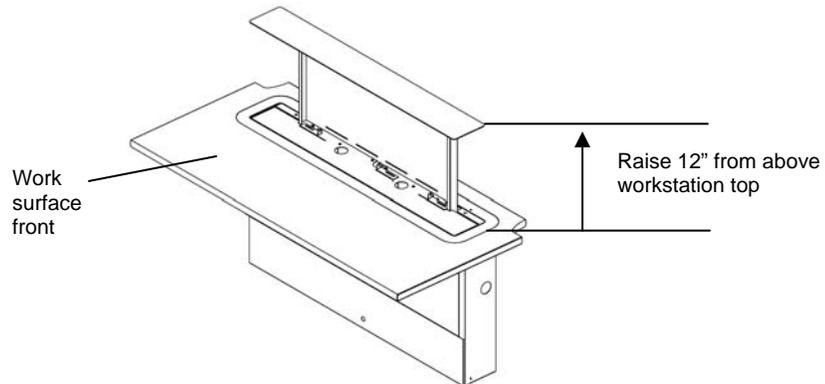


Installing the LCD Lift in Work Surface

6. Ensure that the lift is properly seated in the desk opening, centered, and flush with the work surface as shown in the following figure.



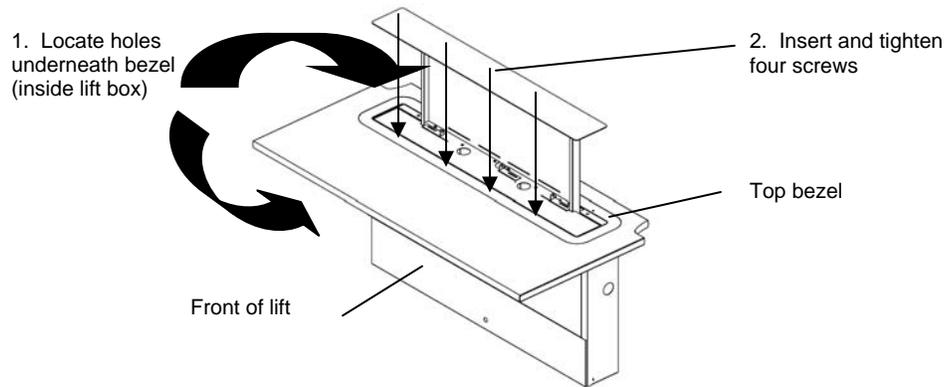
7. Apply temporary AC power to the lift by plugging the power cord into an electrical wall outlet. Remove the tie wraps from the power cord before plugging it into the electrical outlet. An extension cord may be needed.
8. Now that the lift is installed inside the desk opening and seated properly, manually move up the carriage to approximately 12 inches so that you have full access to the lift's hardware components as shown in the figure below.



9. If you are installing the lift into a 60" or larger work surface, then ensure the work surface is level before you proceed to the next step.

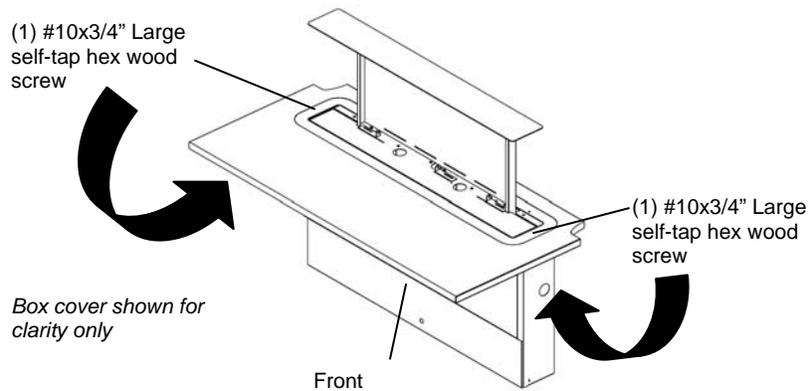
Installing the LCD Lift in Work Surface

10. From inside the lift box, underneath the top bezel, using your hand, locate the four screw holes along the front of the lift frame as shown in following figure.



11. Using a ratchet driver, insert the four #10 x 3/4" large self-tap hex wood screws and washers (from the parts bag that was put aside) into the four pre-located holes from inside the opening of the lift along the front side of the top bezel as illustrated above.

12. Using a ratchet driver, insert one #10 x 3/4" large self-tap hex screw into the hole on each end of the lift frame as illustrated below and tighten.

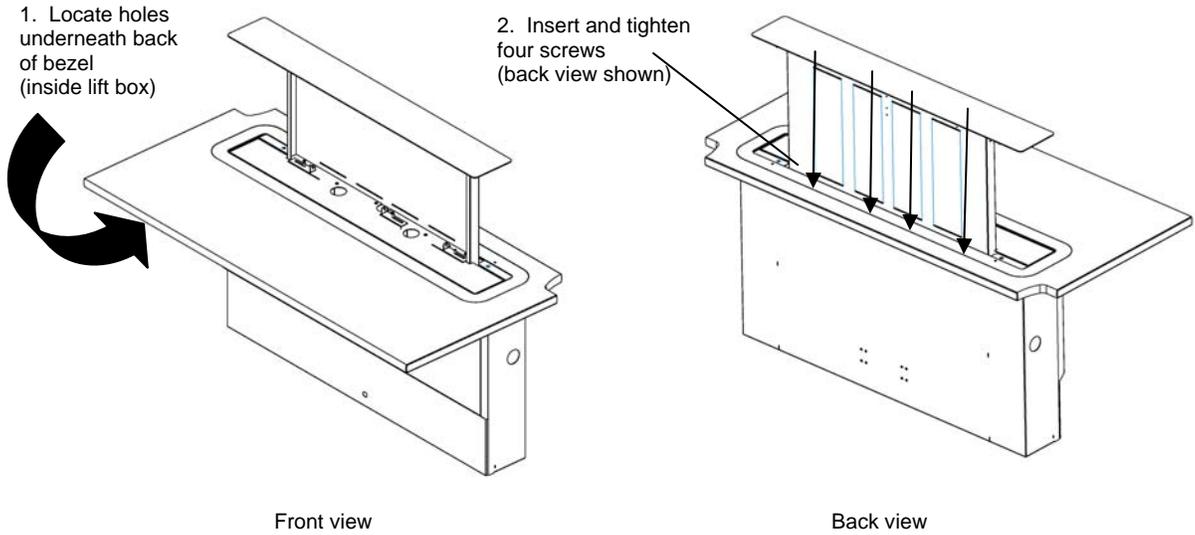


Note: At this time, do not install the screws for the rear of the lift frame since it is inaccessible.

13. Press the motor control lift button to raise the monitor lift to its fully extended upright position allowing you access to the other hardware components.

Installing the LCD Lift in Work Surface

- Underneath the work surface, through the front cover opening, insert the remaining four #10 x 3/4" large self-tap hex screws and washer into the side holes on the back rear of the lift frame as shown below and tighten.



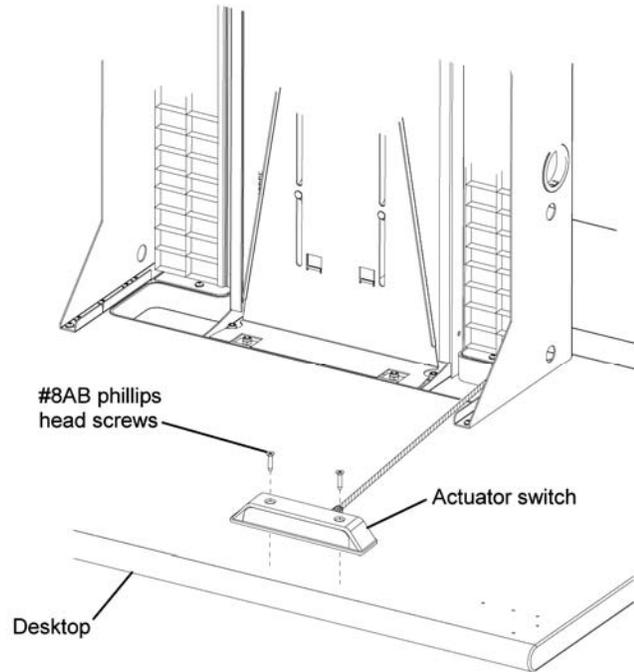
Box cover shown for clarity only

Installing the LCD Lift in Work Surface

Install the Actuator Switch

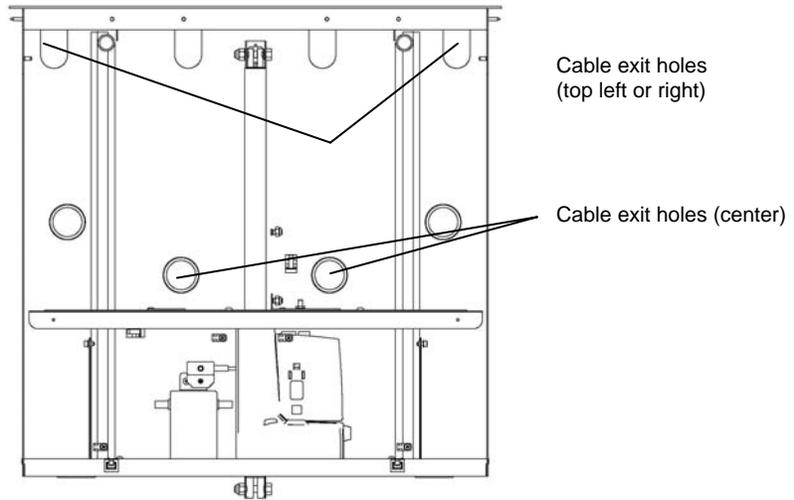
Follow these procedures to install the Actuator Switch.

1. Uncoil the switch and cord.
2. Using the two (2) #8AB Phillips screws provided, install the Actuator Switch near the front edge of the desktop as shown in the following illustration. Based on user preference, you have the option of installing the switch either on the left side or the right side of the work surface.

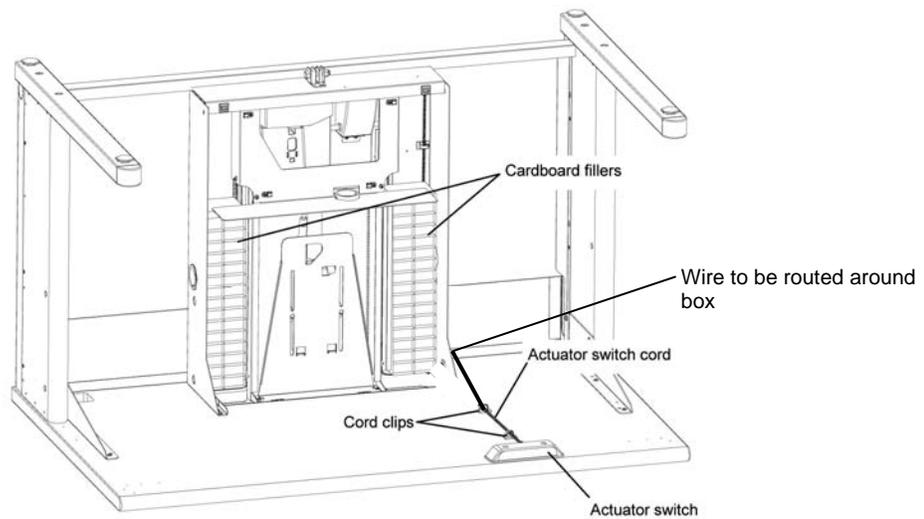


3. Run the Actuator Switch cord either through the center holes or the top left or top right holes shown in the following illustration.

Installing the LCD Lift in Work Surface



4. Route the Actuator Switch cord around the box and secure it using the cord clips provided. See the following illustration.

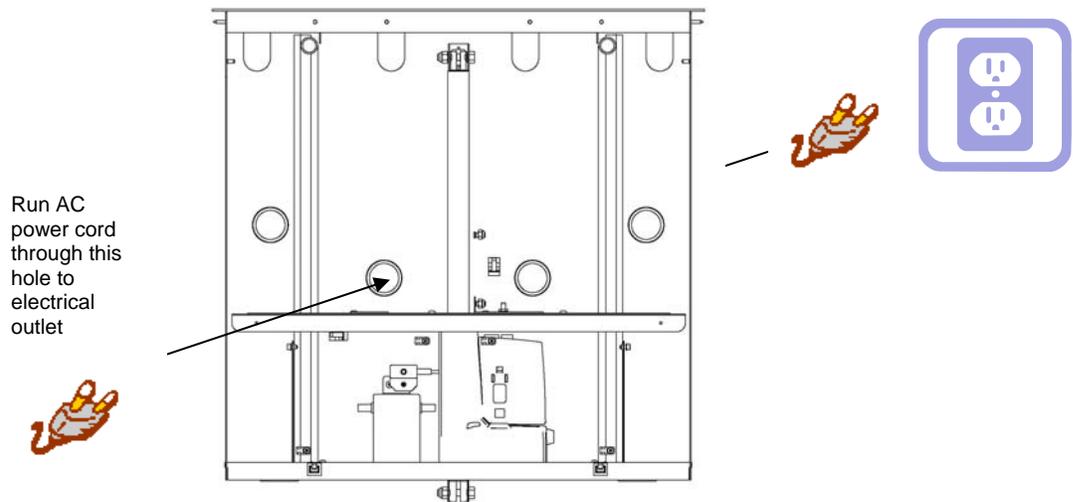


Work surface shown from bottom for ease of illustrating actuator switch installation

Route AC Wiring

To route the AC wiring, do the following:

1. If you have not already done so, uncoil the AC power cord that was included in your shipment.
2. Run the AC power cord through the 2" diameter hole on the left-side of the lift box (see figure below) and exit to an electrical AC power outlet. Plug the AC power cord in the electrical outlet to apply power.



The Actuator wiring has now been completed and power has been applied. Proceed to the following section for instructions on installing the monitor(s).

Chapter 3 Installing the Monitor(s)

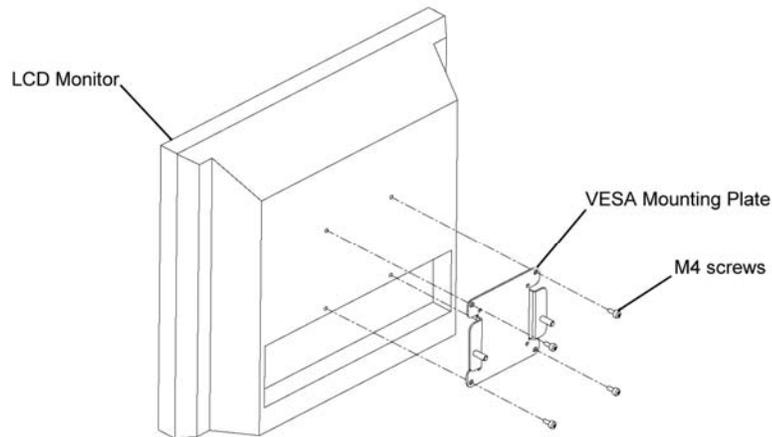
This chapter describes how to install the monitors on your Eaton LCD Lift Flat Panel Display System.

Follow these procedures to install the LCD monitor(s) to the LCD Lift and route the cables.

Install the LCD Monitor in the Lift

Follow these procedures to install the LCD Monitor to the LCD Lift.

1. Remove the stand (if equipped) from the LCD Monitor.
2. Fasten the VESA Mounting Plate assembly to the back of the LCD monitor with the M4 screws provided and shown in the illustration below.



3. Tilt the Monitor Support Plate forward.

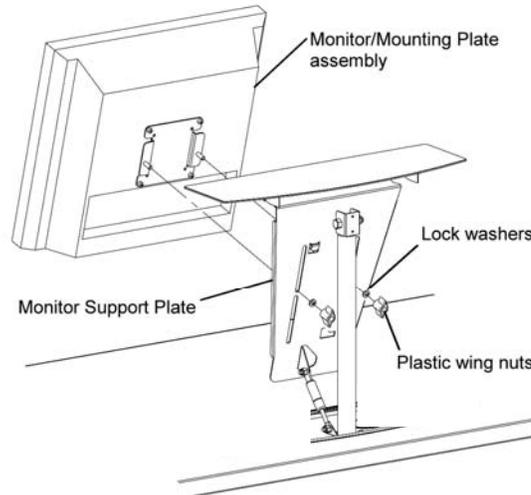
In this Chapter

Refer to the following table for information on a specific topic.

Topic	See Page #
Install the LCD Monitor to the Lift	13
Route Monitor Cables	15
Route Monitor Wiring	16

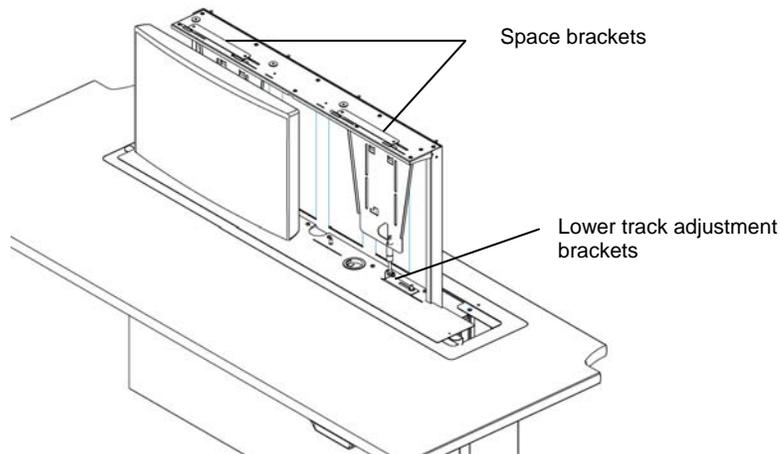
Installing the Monitor(s)

4. Position the Monitor/Mounting Plate onto the Monitor Support Plate with the threaded studs protruding through the slots in the plate as shown in the illustration below.



Lift Tower not shown for clarity

5. Secure the Monitor/Mounting Plate assembly to the Support Plate with the two (2) lock washers and two (2) plastic wing nuts that are provided. **Note:** The wing nuts must be in the vertical position when fully tightened.
6. Install the Monitor Lock assembly to the back of the Monitor Support Plate as shown in the following illustration. Slide the top of the Lock assembly under the hook tabs on the support plate and then lock the unit as shown in the following illustration.

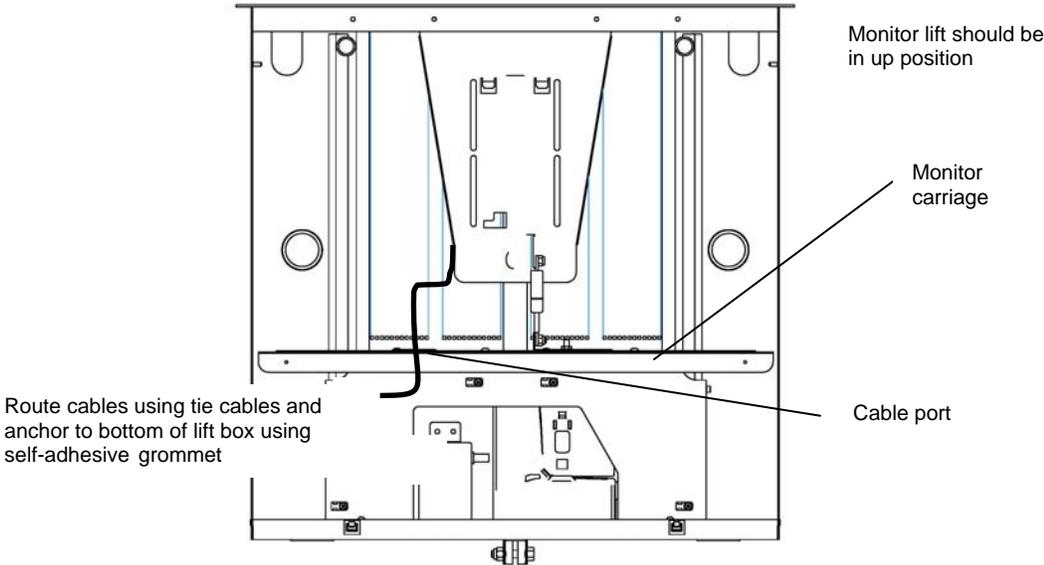


7. For 36" or 48" lifts, use space bracket hardware to adjust the monitors to the desired location. Brackets are located under the carriage cover. See figure above.
8. Use $\frac{1}{4}$ " x 20 Kep nuts to adjust.

Route Monitor Cables

Follow these procedures to route the monitor cables.

1. Pass all monitor cables through the cable port in the bottom of the Monitor Carriage.
2. Route the cables through the port in the LCD Lift frame. Route the cables as shown in the following illustration. Secure and tie cables to the bottom of the frame using a self-adhesive grommet. **Important:** Not properly securing cables inside the lift could result in a safety hazard where cables could be severed during operation.
3. Ensure that there is enough slack in the cables to allow complete travel of the Monitor Carriage.

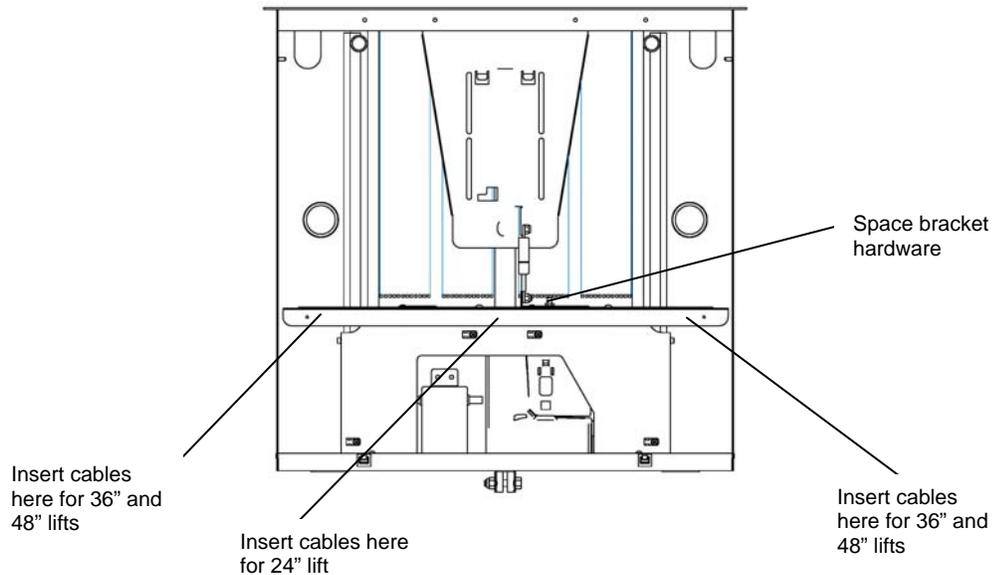


Installing the Monitor(s)

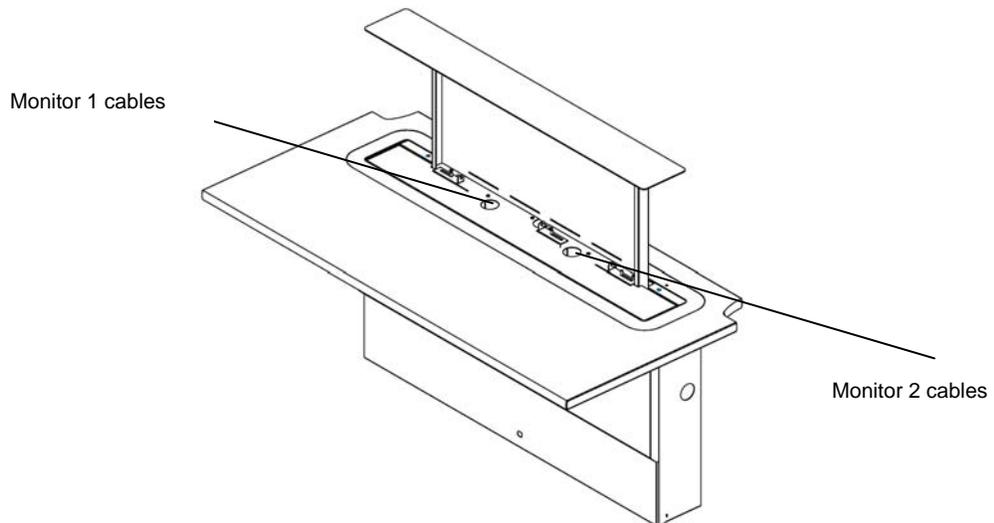
Route Monitor Wiring

Follow these procedures to route the monitor wiring. All monitors must be installed in carriage assemblies before routing can occur.

1. For 24" LCD Lifts, insert the monitor cable through the center hole in the monitor carriage as shown in the illustration below.
2. For 36" and 48" LCD Lifts, insert the monitor cable through one of the side holes as shown in the illustration below.



3. Tie together the data cable and AC cable and exit the cable bundle through the monitor hole shown in the following illustration.



Chapter 4 Testing and Operating the Lift

This chapter describes how to test and operate your LCD Lift Flat Panel Display System.

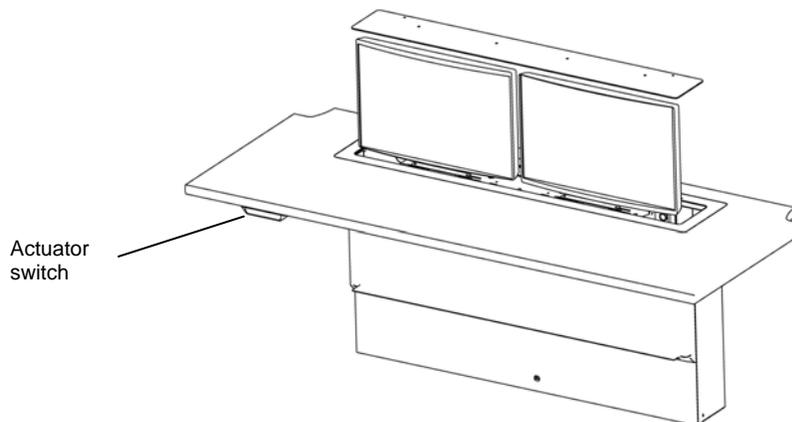
Test the Lift

To test the operation of the LCD Lift, follow these instructions:

1. Press the Actuator Switch button to raise the lift up and down, ensuring that the lift is operational and functioning properly.
2. If the LCD Lift does not raise or lower as expected, then review and repeat the installation instructions in this document to ensure that all steps have been completed.
3. Re-test the lift again to ensure that it raises and lowers as expected.

Operate the Lift

Press the Actuator Switch buttons to raise and lower the lift carriage to the desired height. Ensure that the lift is operational and functioning properly.



Support and Resources

For additional documentation about this product, visit the www.wrightline.com website and click on the Library icon.

For technical support assistance, email Eaton's Technical Support Center at to.support@eaton.com.

In this Chapter

Refer to the following table for information on a specific topic.

Topic	See Page #
Test the Lift	17
Operate the Lift	17
Support and Resources	17

To contact an Eaton salesperson
or local distributor, please visit
www.eaton.com/wrightline or
call 800-225-7348.



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