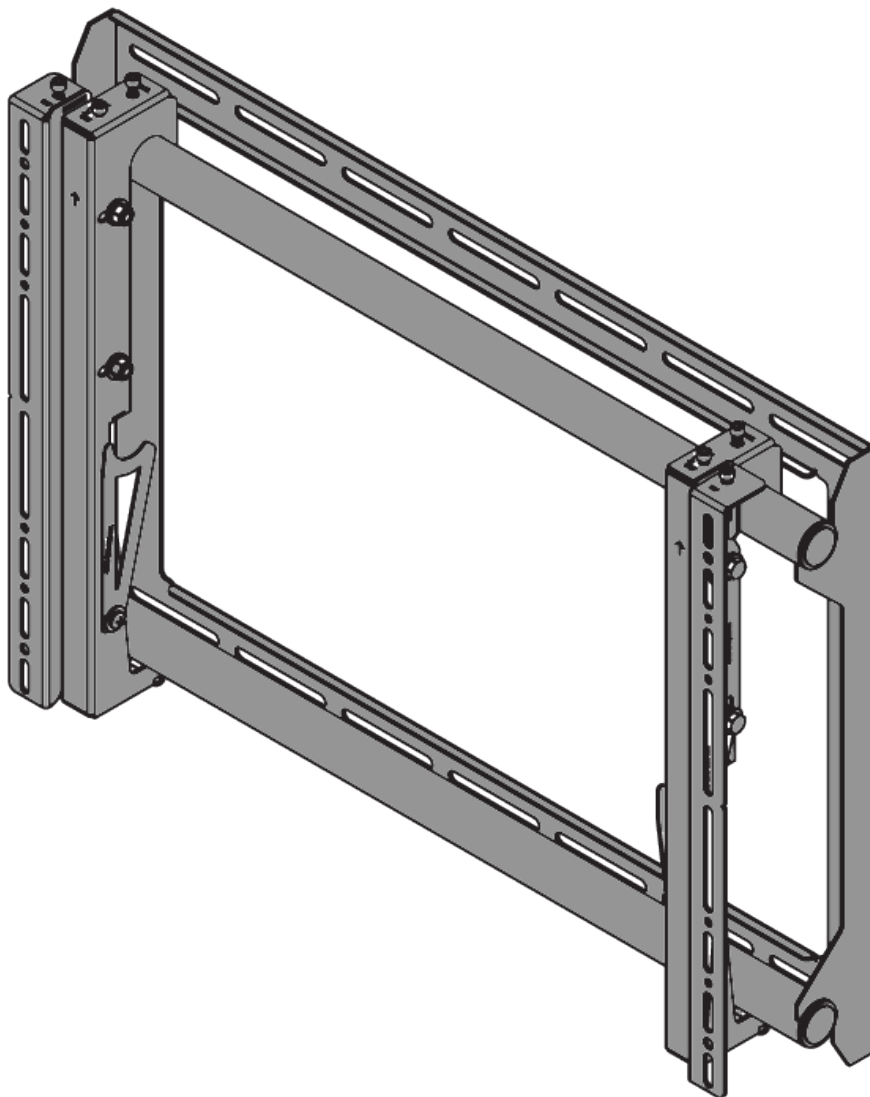

LMVF

Video Wall Flat-Panel Framing System

INSTALLATION INSTRUCTIONS



 **PREMIER
MOUNTS®**
CREATING POSITIVE CUSTOMER EXPERIENCES



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Weight Limit

Maximum Flat Panel Weight: **225 lbs.**

THE WALL STRUCTURE MUST BE CAPABLE OF SUPPORTING AT LEAST FIVE TIMES THE WEIGHT OF THE FLAT PANEL. IF NOT, THE WALL STRUCTURE MUST BE REINFORCED.

Warning Statements



PRIOR TO THE INSTALLATION OF THIS PRODUCT, THE INSTALLATION INSTRUCTIONS MUST BE READ AND COMPLETELY UNDERSTOOD. KEEP THESE INSTALLATION INSTRUCTIONS IN AN EASILY ACCESSIBLE LOCATION FOR FUTURE REFERENCE.



PROPER INSTALLATION PROCEDURE BY A QUALIFIED SERVICE TECHNICIAN MUST BE FOLLOWED, AS OUTLINED IN THESE INSTALLATION INSTRUCTIONS. FAILURE TO DO SO COULD RESULT IN PROPERTY DAMAGE, SERIOUS PERSONAL INJURY, OR EVEN DEATH.



SAFETY MEASURES MUST BE PRACTICED AT ALL TIMES DURING THE ASSEMBLY OF THIS PRODUCT. USE PROPER SAFETY EQUIPMENT AND TOOLS FOR THE ASSEMBLY PROCEDURE TO PREVENT PERSONAL INJURY.



PREMIER MOUNTS DOES NOT WARRANT AGAINST DAMAGE CAUSED BY THE USE OF ANY PREMIER MOUNTS PRODUCT FOR PURPOSES OTHER THAN THOSE FOR WHICH IT WAS DESIGNED OR DAMAGE CAUSED BY UNAUTHORIZED ATTACHMENTS OR MODIFICATIONS, AND IS NOT RESPONSIBLE FOR ANY DAMAGES, CLAIMS, DEMANDS, SUITS, ACTIONS OR CAUSES OF ACTION OF WHATEVER KIND RESULTING FROM, ARISING OUT OF OR IN ANY MANNER RELATING TO ANY SUCH USE, ATTACHMENTS OR MODIFICATIONS.



At least two qualified people should perform the assembly procedure. Personal injury and/or property damage can result from dropping or mishandling the flat panel.



If mounting to wall studs or ceiling studs, make sure that the mounting screws are anchored into the center of the wall studs or ceiling studs. Use of an edge-to-edge stud finder is recommended.



It is recommended that a maximum of 5/8" plaster board be used when mounting to wooden studs.



Be aware of the mounting environment. If drilling and/or cutting into the mounting surface, always make sure that there are no electrical wires in wall. Cutting or drilling into an electrical line may cause serious personal injury.



Make sure there are no water or natural gas lines inside the wall where the mount is to be located. Cutting or drilling into a water or gas line may cause severe property damage or personal injury.



This product is intended for indoor use only. Use of this product outdoors could lead to product failure and/or serious personal injury.



Do not install near sources of high heat. Do not install on a structure that is prone to vibration, movement or chance of impact.



Contact Premier Mounts with any questions:


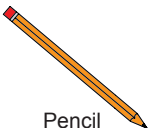
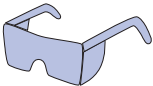


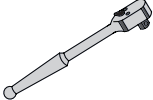


(800) 368-9700

techsupport@mounts.com



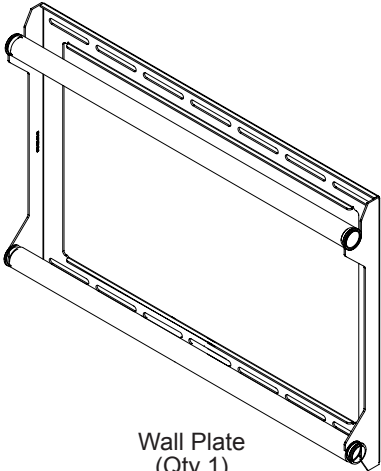
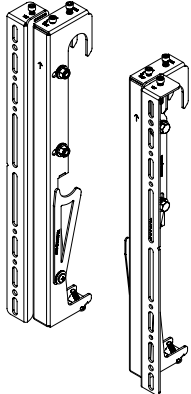
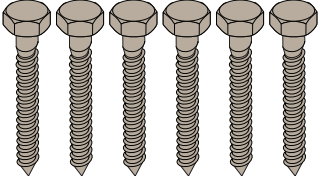
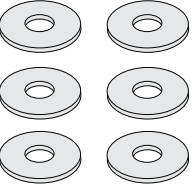
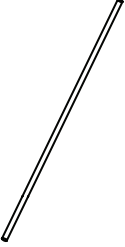
Installation Tools

The following tools may be required depending on your installation.


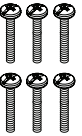


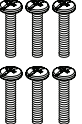
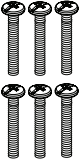

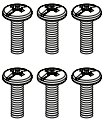

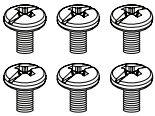
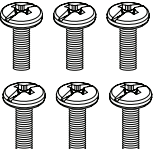
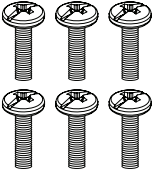
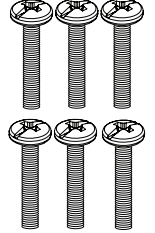
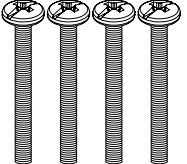
 Electronic Stud Finder	 Pencil	 Protective Eyewear	 Portable Drill	 1/2" Drill Bit
 Socket Wrench	 1/2" Socket	 Phillips Head Screwdriver		

Parts List

Your Premier Mounts product is shipped with all proper installation hardware and components. If there are parts missing and/or damaged, please stop the installation and contact Premier Mounts at (800)-368-9700.

LMV Video Wall Mount Assembly Components		
 Wall Plate (Qty 1)	 Mounting Bracket (Qty 2)	
 5/16" x 3" Lag Bolt (Wooden Studs Only) (Qty 6)	 5/16" Flat Washer (Qty 6)	 Thread Depth Indicator (Supplied)

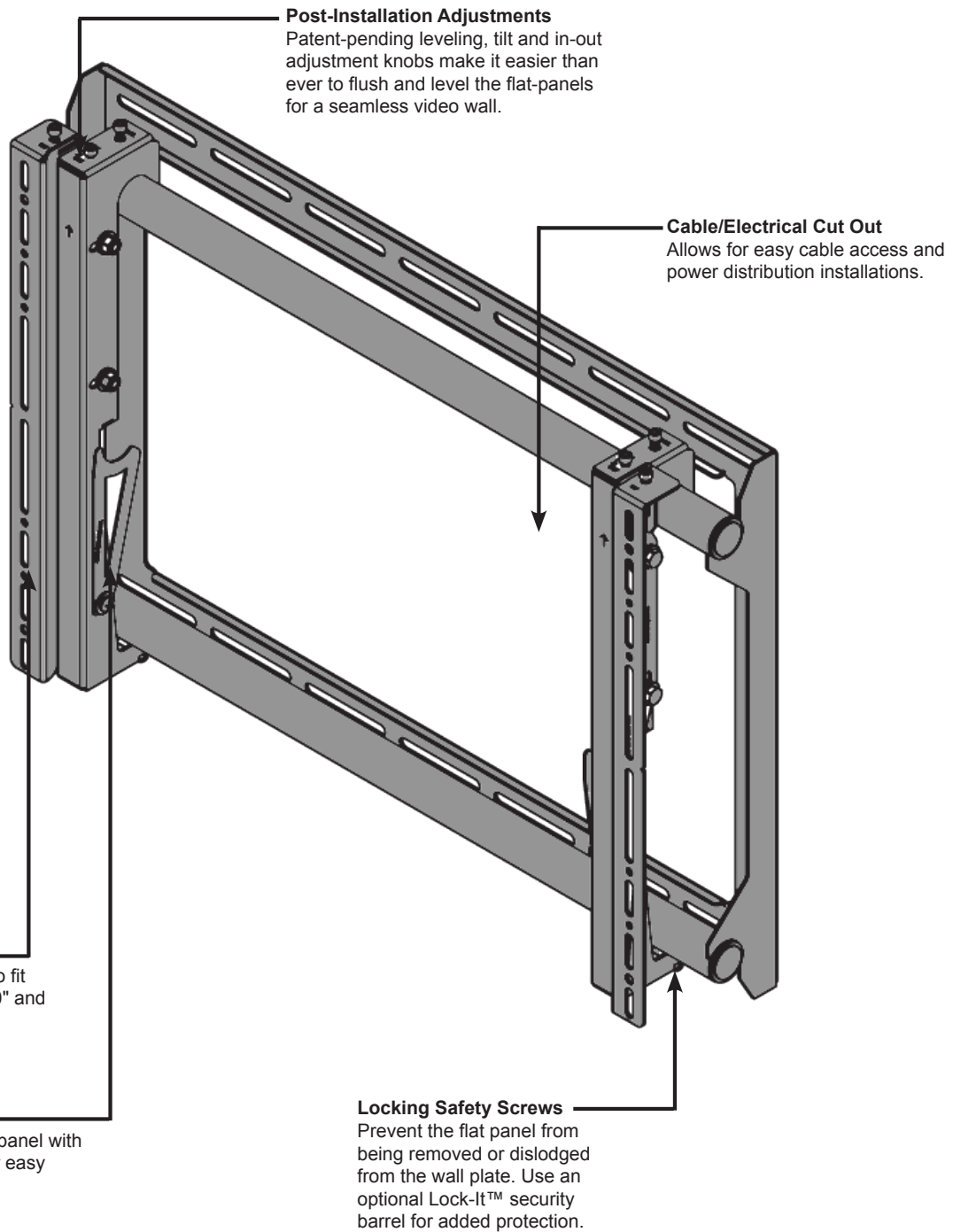
**Parts List (cont'd)**

Mounting Hardware	
M4 x 16mm Screw (Qty 6)	
M4 x 25mm Screw (Qty 6)	
M4 x 30mm Screw (Qty 6)	
M5 x 16mm Screw (Qty 6)	
M5 x 25mm Screw (Qty 6)	
M5 x 30mm Screw (Qty 6)	
M6 x 16mm Screw (Qty 6)	
M6 x 25mm Screw (Qty 6)	
M6 x 30mm Screw (Qty 6)	
M8 x 16mm Screw (Qty 6)	
M8 x 25mm Screw (Qty 6)	
M8 x 30mm Screw (Qty 6)	
M8 x 45mm Screw (Qty 6)	
M8 x 70mm Screw (Qty 4)	



Features

The LMVF Video Wall Flat-Panel Framing System is a customizable video wall mounting system featuring multi-monitor stacking, open design and custom spacers. Once the first frame is level, all other frames integrate and instantly level to each other for faster installation. Spacers are custom designed for specific flat-panels.





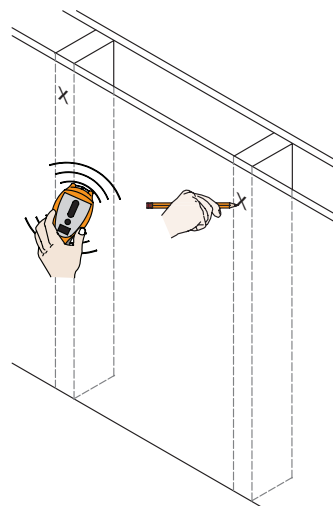
Installing the Wall Plate

Step 1



You must secure the wall plate to two (2) wall studs with six (6) lag bolts (3 lag bolts for each stud found).

- 1) Use a stud finder to determine the exact center of wall studs in the vicinity of the wall plate.
- 2) Use a pencil to mark the exact center of each of the wall studs.

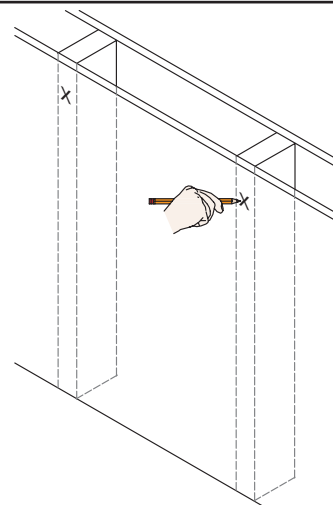


Step 2



Two people are recommended for this step; one person to level the wall plate and another person to mark the wall stud location.

- 1) Place the wall plate against the wall in the desired viewing location.
- 2) Adjust the wall plate to align the mount slots in the wall plate with the center of the wall studs.
- 3) Level the wall plate.
- 4) Use a pencil to mark the upper right mounting location along the center of the wall stud.

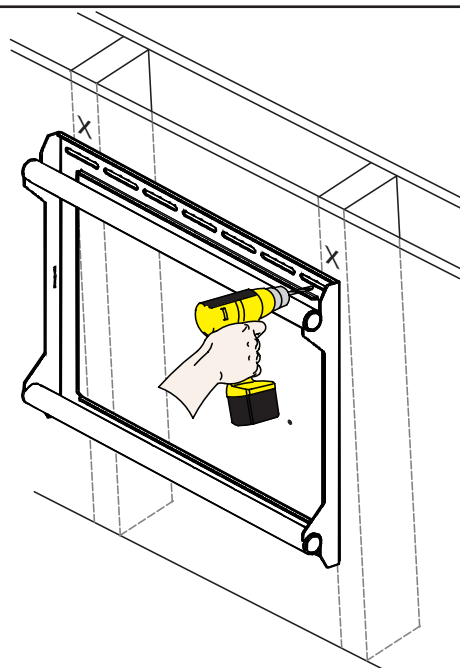


Step 3

Drill a "pilot hole" in the center of the upper right mark using a 1/4" drill bit and power drill.



Only use a 1/4" drill bit when drilling pilot holes.





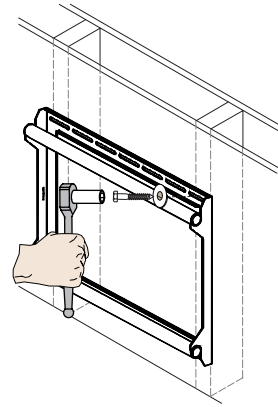
Installing the Wall Plate (cont'd)

Step 4

- 1) Place the wall plate against the wall and align it with the pilot hole.
- 2) Insert one (1) $\frac{5}{16}$ " x 3" lag bolt and one (1) $\frac{5}{16}$ " washer into the upper right pilot hole.
- 3) Use a socket wrench and a $\frac{1}{2}$ " socket to tighten the lag bolt.

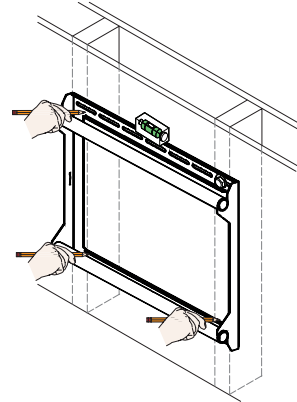


Do not overtighten the lag bolt.



Step 5

- 1) Level the wall plate.
- 2) Use a pencil to mark the remaining five (5) mounting locations along the center of each wall stud.



Step 6

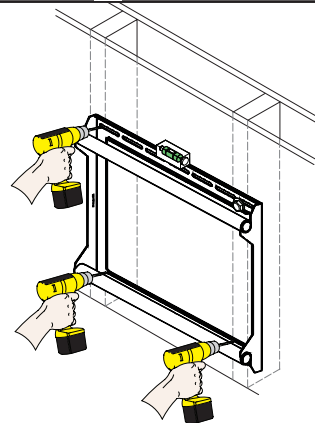


Two people are recommended for this step; one person to level the wall plate and another person to drill the pilot holes.

Drill a "pilot hole" in the center of each of the marks with a power drill and a $\frac{1}{4}$ " drill bit.



Only use $\frac{1}{4}$ " drill bit when drilling the pilot holes.



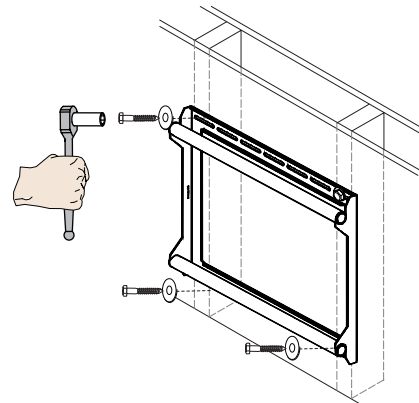
Step 7

- 1) Insert one (1) $\frac{5}{16}$ " x 3" lag bolt and one (1) $\frac{5}{16}$ " washer into each pilot hole
- 2) Tighten all lag bolts using a socket wrench and $\frac{1}{2}$ " socket.



Do not overtighten the lag bolts when attaching the mount to the wall. Improper installation may result in personal injury or property damage.

Proceed to the "Installing the Mounting Bracket" on page 8.






Installing the Mounting Brackets

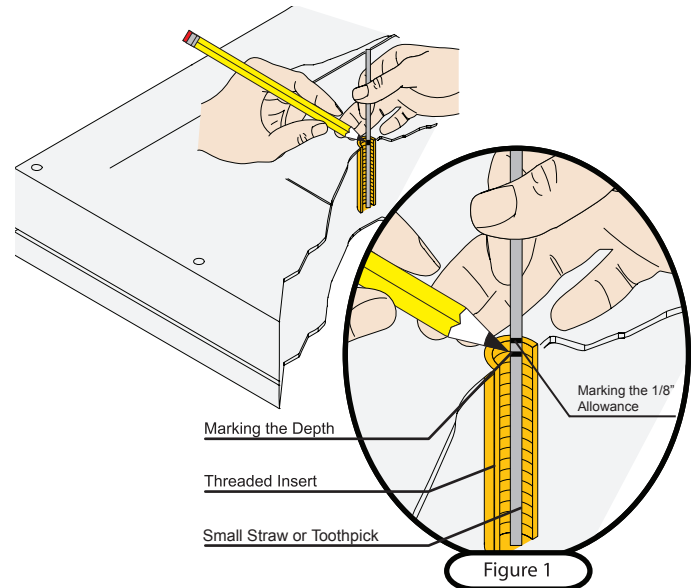
Selecting the Mounting Hardware

- 1) Insert a small straw or toothpick into the threaded inserts found on the back of the flat panel.
- 2) Use a pencil to mark the depth of the threaded insert on the small straw or toothpick.
- 3) Mark the straw or toothpick 1/8" above the depth of the threaded insert, as shown in Figure 1.
- 4) Insert the small straw or toothpick into the remaining threaded inserts to compare and verify their depth using the straw or toothpick's 1/8" allowance mark.
- 5) Locate the correct diameter screw for the threaded insert.

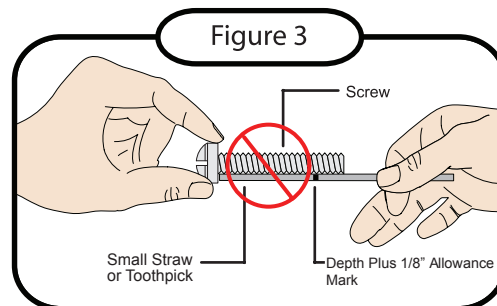
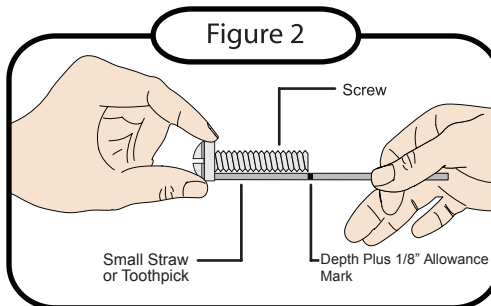
 If the screw you selected is longer than the 1/8" allowance mark on the small straw or toothpick, as shown in Figure 2 and Figure 3, do not use this screw. The screw length must not bypass the mark.

- 6) Test each size of the screws provided.

The correct screws should thread easily into the mounting point and not pull out when tension is applied.



Go to "Griplate™ Washer Installation" on page 9.





Installing the Mounting Brackets (cont'd)

Attaching the Mounting Brackets to the Flat Panel

This section presumes that you have read and understood the **"Selecting the Proper Mounting Hardware"** section.

- 1) Place your flat panel screen-side down on a soft, flat surface.
- 2) Identify the number and location of the thread inserts on the back of your flat panel.
- 3) Aligning the holes on each mounting bracket with the thread inserts on the back of your flat panel.
- 4) Secure each mounting bracket to your flat panel by inserting a minimum of two (2) screws per bracket.

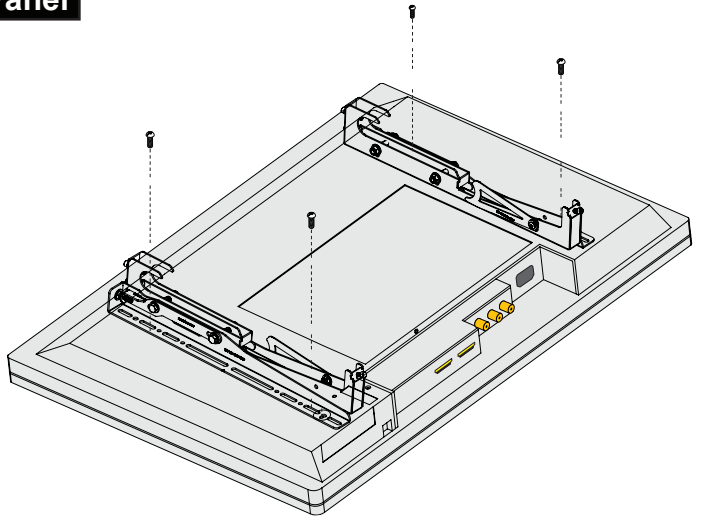


Do not overtighten the mounting hardware.



Make sure the directional arrows on the mounting brackets are facing up.

Proceed to the "Mounting the Flat Panel" below.



Mounting the Flat Panel

Attaching the Flat Panel to the Wall Plate

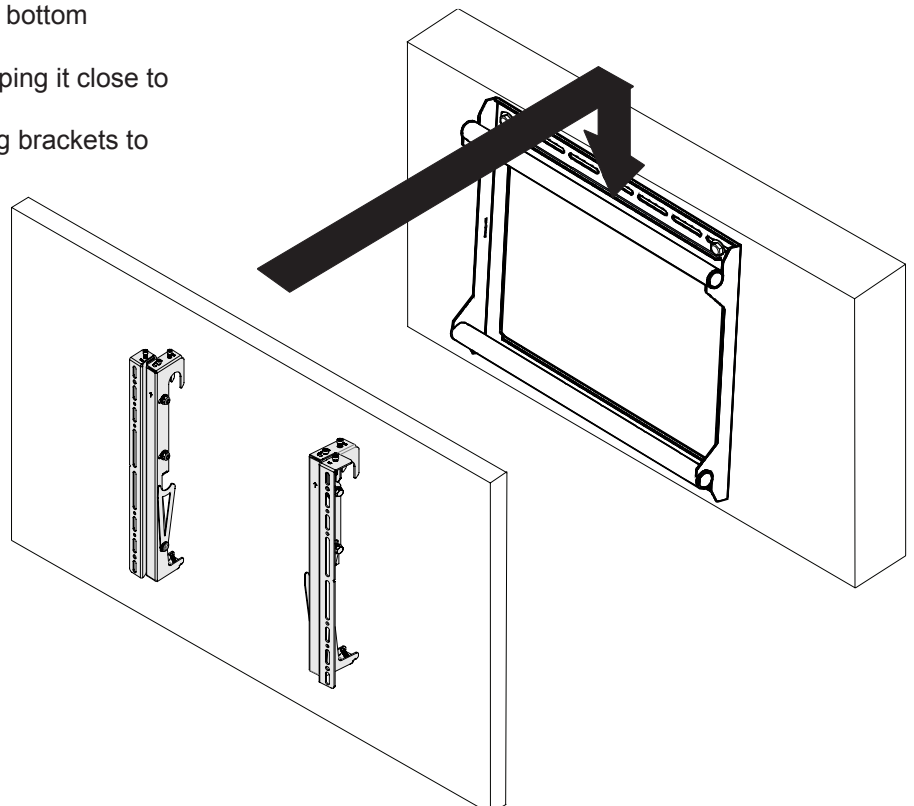
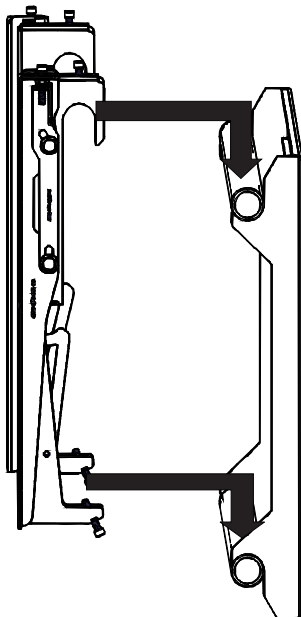


This section requires two people.




Do not release your flat panel until you are certain that top and bottom hooks of both mounting brackets are securely seated on the upper and lower mounting rails of the wall panel.

- 1) Raise the flat panel past the top and bottom mounting rails on the wall panel.
- 2) Slide the flat panel down slowly, keeping it close to the wall.
- 3) Engage the top and bottom mounting brackets to the rails of the wall plate.






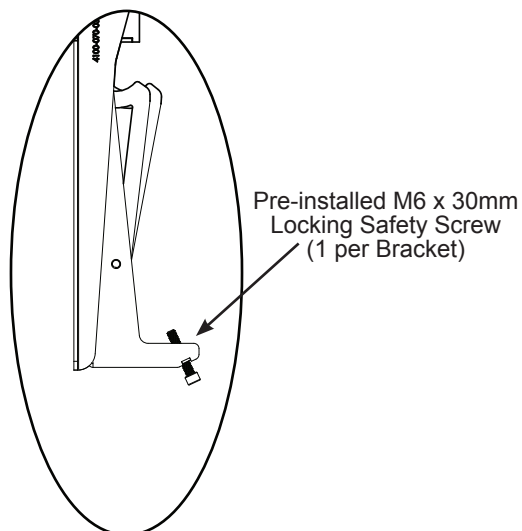
Locking Safety Screw Installation

 The locking safety screws keep the flat panel from being accidentally dislodged from the LMVF.

- 1) Locate the pre-installed M6 x 30mm locking safety screw at the bottom of one of the mounting brackets.
- 2) Use a Phillips head screwdriver to tighten the locking safety screw.
- 3) Repeat steps 1 and 2 for the other locking safety screw.

 Do not overtighten the locking safety screws.


Proceed to the “Post-Installation Adjustments” below.



Post-Installation Adjustments

The LMVF has a set of post-installation adjustments on each mounting bracket (Figure 1).

Use your fingers to adjust the fine-tune controls independently. Below are some examples.

 Make sure the the locking safety screws are loosened before making adjustments.

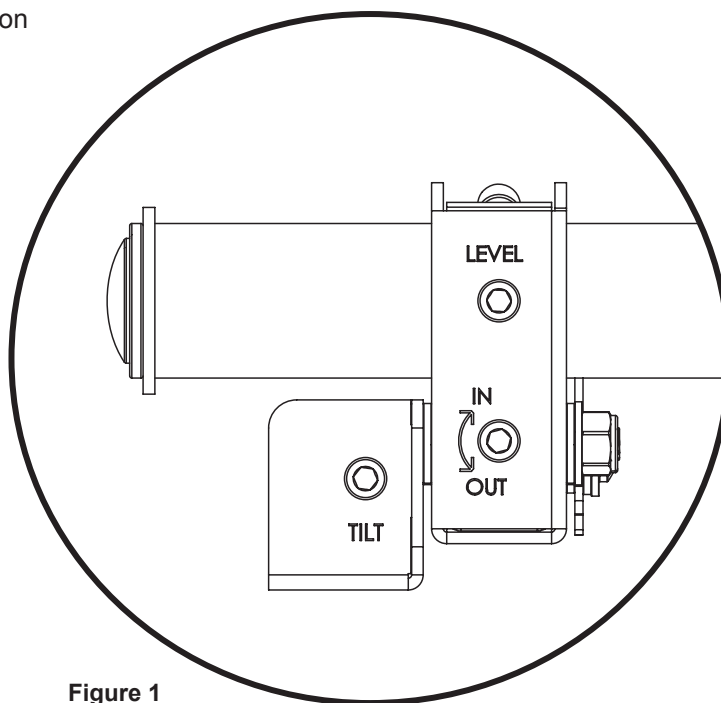


Figure 1

Post-Installation Adjustments (cont'd)

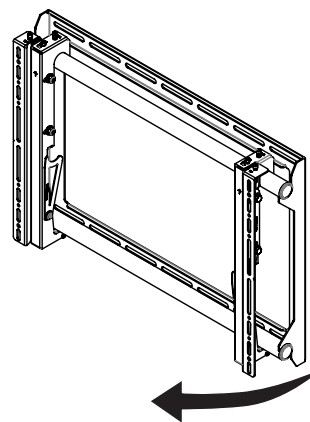
Tilt Left



Left Control



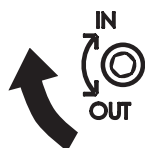
Right Control



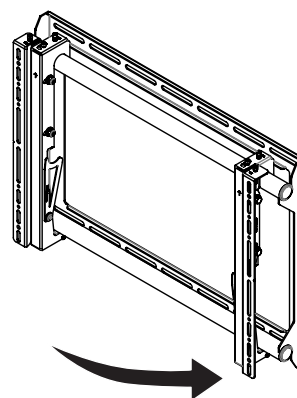
Tilt Right



Left Control



Right Control



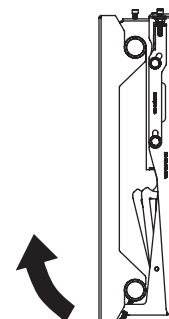
Tilt Up



Left Control



Right Control



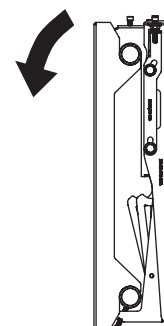
Tilt Down (from tilted-up position)



Left Control



Right Control





Post-Installation Adjustments (cont'd)

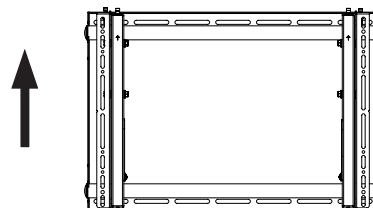
Level Up



Left Control



Right Control



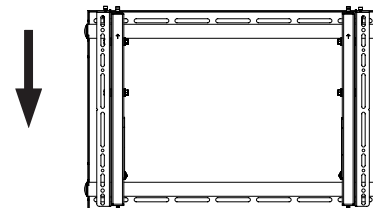
Level Down (from leveled up position)



Left Control



Right Control



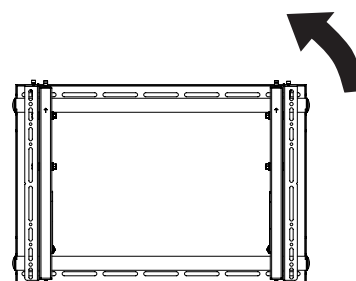
Rotate Left



Left Control



Right Control



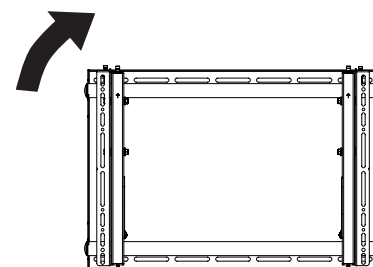
Rotate Right



Left Control



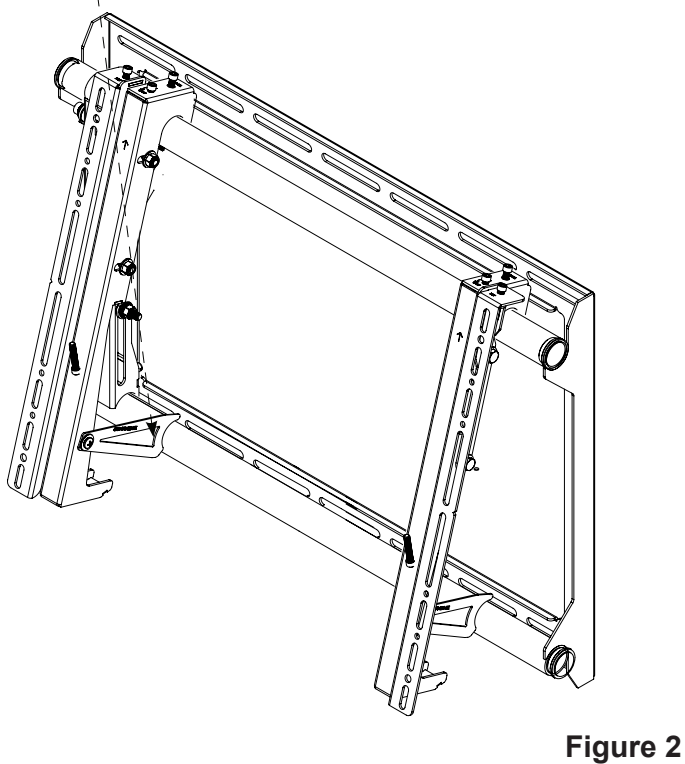
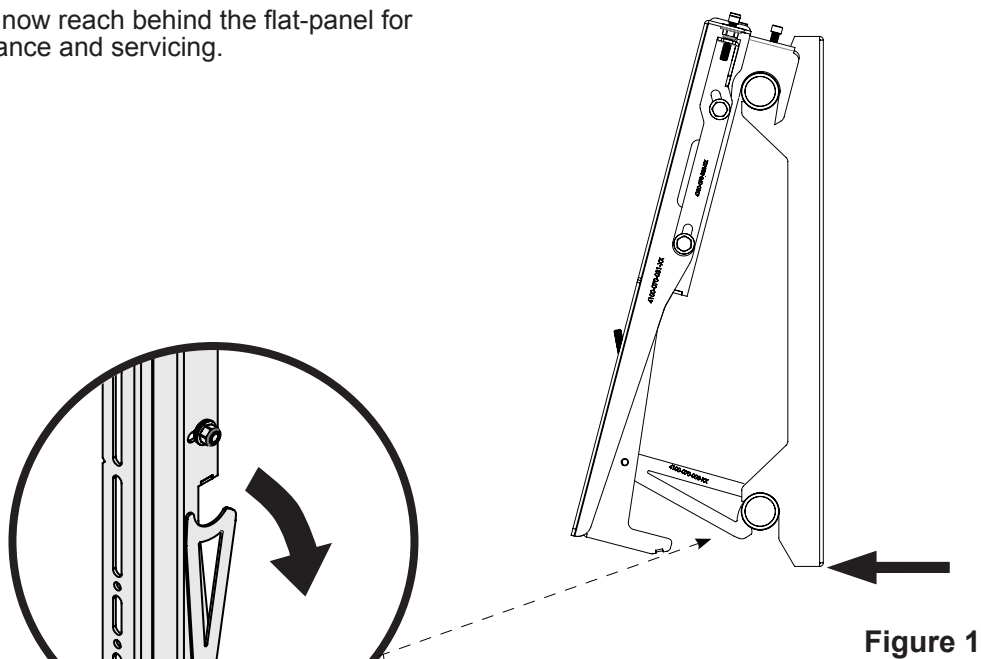
Right Control



Maintenance and Servicing

- 1) Loosen the locking safety screws on the mounting brackets.
- 2) Lift and tilt up the bottom of the mounting brackets, then set their kickstands against the bottom tubing of the mount (Figures 1 & 2).

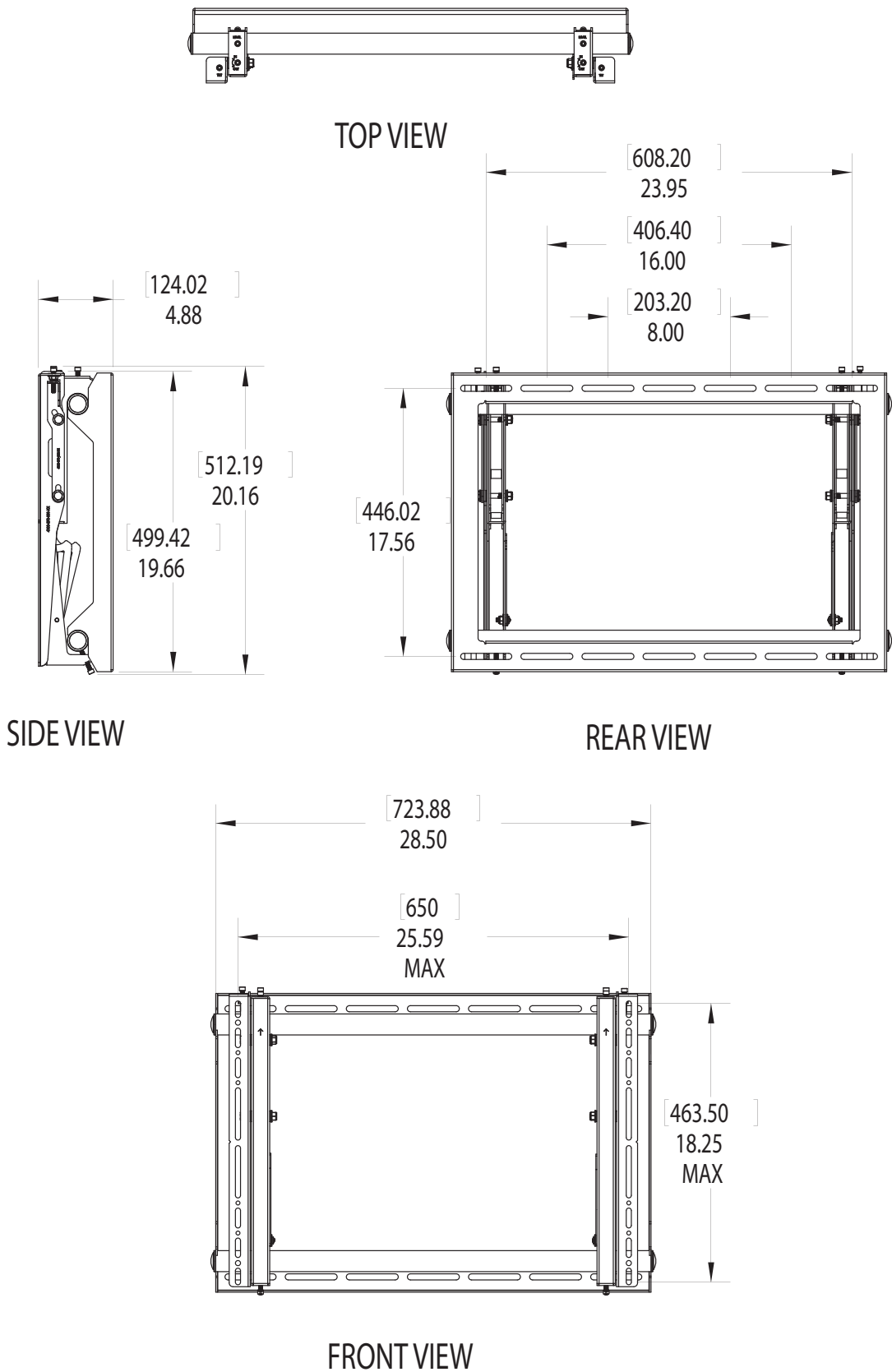
You can now reach behind the flat-panel for maintenance and servicing.





Technical Specifications

All measurements are in inches [millimeters].





PREMIER MOUNTS LIMITED LIFETIME WARRANTY

What and Who is Covered by this Limited Warranty and for How Long

Premier Mounts warrants this product to be free from defects in material and workmanship for the lifetime of the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

What Premier Mounts Will Do

At the sole option of Premier Mounts, Premier Mounts will repair or replace any product or product part that is defective. If Premier Mounts chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

What is Not Covered; Limitations

PREMIER MOUNTS DISCLAIMS ANY LIABILITY FOR DAMAGE TO MOUNTS, ADAPTERS, DISPLAYS, PROJECTORS, OTHER PROPERTY, OR PERSONAL INJURY RESULTING, IN WHOLE OR IN PART, FROM IMPROPER INSTALLATION, MODIFICATION, USE OR MISUSE OF ITS PRODUCTS.

PREMIER MOUNTS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PREMIER MOUNTS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, INABILITY TO USE ITS PRODUCTS OR LABOR COSTS FOR REMOVING AND REPLACING DEFECTIVE PRODUCTS OR PARTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

What Customers Must Do for Limited Warranty Service

If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to Premier Mounts Customer Service at 1-800-368-9700. Warranty claims will not be accepted over the phone or by fax.

Premier Mounts
Attn: Warranty Claim
3130 East Miraloma Ave.
Anaheim, CA 92806

How State Law Applies

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Disclaimer

Premier Mounts intends to make this manual accurate and complete. However, Premier Mounts makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without notice or obligation of any kind. Premier Mounts makes no representation of warranty, expressed or implied, regarding the information contained herein. Premier Mounts assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

Contact Us

NORTH AMERICA

3130 East Miraloma Avenue
Anaheim, CA 92806 USA
USA and Canada
Phone: 1-800-368-9700
Fax: 1-800-832-4888
Other Locations
Phone: (001) 714-632-7100
Fax: (001) 714-632-1044

EUROPE

Unit 3, The Moorings Business Park,
Channel Way, Longford,
Coventry, CV6 6RH, UK
Phone: +44 (0) 24 7664 4105
Fax: +44 (0) 24 7664 4165