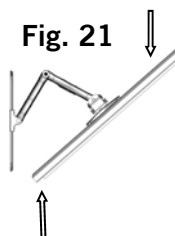


Panning—Position display at an angle to the wall for viewing from opposite sides of the room.

Grasp the side edges of the display and then swivel and pull the display into desired position. (Fig 21)



Before stowing the display, ensure the Tilt Levers will not make contact with any surface when closed. For example, if the Levers are pointed up, they could hit and damage the cable covers or possibly release the tension.

Use the ratchet function to adjust the Lever position without changing the tension. See Fig. 22 for acceptable positioning range.

Acceptable
Position
Range

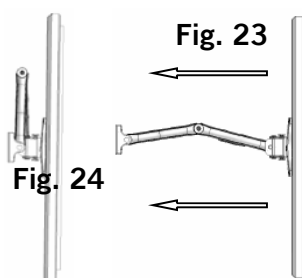
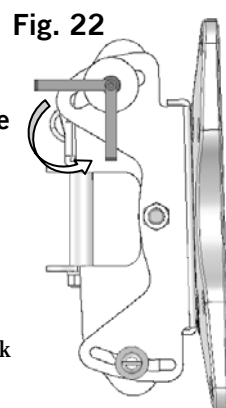


Fig. 23 **Stowing the Display**—Positions the display against the wall.

Grasp the side edges of the display, swivel and pull the display into the center position (Fig. 23), and then push the display straight back towards the wall into the stowed position. (Fig.24)

Note: Use care when stowing the display to ensure that cables do not become pinched.

CAUTION: WHEN REMOVING THE DISPLAY MAKE SURE THE HEAD IS LOCKED IN THE NEGATIVE TILT POSITION, OTHERWISE INJURY COULD OCCUR.

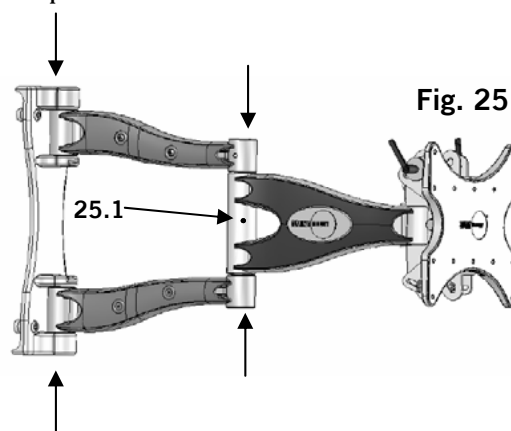
Maintaining the CL-M

The arm assembly and wall plate may be cleaned with a mild solution of soap and water.

Caution: Be careful not to get water on the electrical connections or the display.

If the Arm Assembly becomes loose and won't maintain its position, you can tighten the Arms at several points. Use the Medium supplied Hex Wrench as indicated in Fig. 25.

Note: The elbow joint is pretensioned at the factory and must be adjusted by the Set Screw (25.1). To lock the arm in position, fully tighten the Set Screw with the smallest (3mm) supplied Hex Wrench.



Thank you for purchasing an OmniMount product.

Specifications are subject to change without prior notice.

Every effort has been made to provide accurate and error-free assembly and installation. OmniMount Systems disclaims liability for any difficulties arising from the interpretation of information contained in these instructions. If OmniMount products are used for purposes other than their original intent, OmniMount, its distributors and retailers shall not be held responsible or liable for injuries or property damage, direct, indirect, or consequential, which may arise from the inability to use this product safely, properly, and in the manner for which it has been designed and manufactured. Warranty does not apply to products which have been lost, damaged by misuse, abuse, or accident.

CL-M: PN 1002785-RevB-8/05

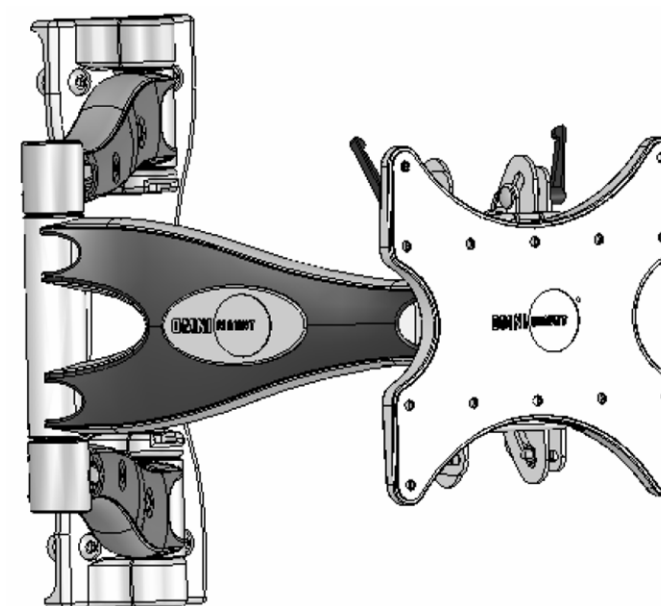


Home Entertainment

Installation Instructions

Wishbone Series™

CL-M: Medium Cantilever Mount



- Designed for 23" - 37" Flat Panel TV's
- Maximum Weight Capacity: 80 lbs. (36.3 Kg)
- VESA compliant: VESA 100, 100 x 200, 200 x 200
- Installation Template Included
- Integrated Cable management
- Lift N' Lock Installation
- Non-VESA Panels may require optional adaptor plate

Questions? Call 1-800-MOUNT-IT (USA only)

IMPORTANT

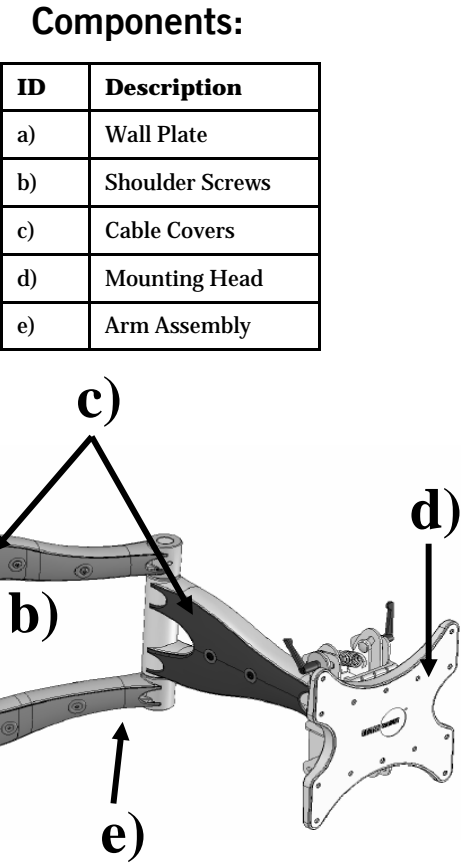
- Do not begin the installation of your OmniMount product until you have thoroughly reviewed this document and understand the instructions.
- We highly recommend that this product be installed by a qualified professional.
- Make sure that the wall you plan to use will safely support four times the combined weight of the mounted equipment, including its accessories.
- Under no circumstances should this product be mounted to metal framing studs.**
- NEVER** exceed the Maximum load capacity of 80 lbs. (36.3 Kg)

Table of Contents	Installation Tools:
Installation Tools	Electronic Stud Locator (Wooden stud installation only)
Parts List	Variable Speed Electric Drill
Components	Hammer Drill (Concrete installations only)
Determine the Mounting Location	Drill Bits:
The Installation Template	3/16" (5 mm) drill bit (Wooden stud installation only)
Mounting to the Wall	1/2" (13 mm) masonry drill bit (Concrete installations only)
Attaching the Display	Hammer (Concrete/Masonry installation only)
Using Cable Management	Ratchet Wrench with 9/16" socket
Adjusting the Display	Phillips head screwdriver
Maintaining the Mount	

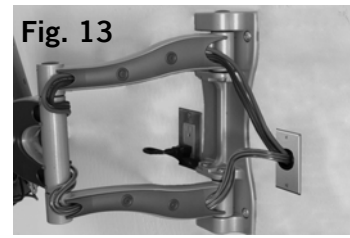
Parts List:

ID	Description	Qty.
1	Lag Bolts: 5/16" x 2"	3
2	Wall Anchors	3
3	Mounting Template	1
4	Thumb Tack	1
5	Hex Wrenches:	3
	Extra Small 3mm	
	Small Diameter 4mm	
	Medium Diameter 5mm	
	Large Diameter 6mm	
6	1/4" Spacers	12

ID	Description	Qty.
A	Philips screws M4 x 12mm	6
B	Philips screws M5 x 12mm	4
C	Philips screws M6 x 12mm	4
D	Philips screws M4 x 25mm	6
E	Philips screws M5 x 25mm	4
F	Philips screws M6 x 25mm	4
G	Philips screws M4 x 40mm	6
H	Philips screws M5 x 40mm	4
I	Philips screws M6 x 40mm	4
J	Philips screws 1/4"-20 x 5/8"	4



Route the cables along one side of the Inner Arm (nearest the wall plate), as shown in Fig. 13. With cables in place, loosely secure the Inner Arm cable covers back in place.



Next, route the cables along the opposite side of the Outer Arm, as shown in Fig. 14. Be sure to leave slack in the cable where it transitions between the two sides of the Arm Assembly. With cables in position, loosely secure the Outer Arm cable covers back in place.

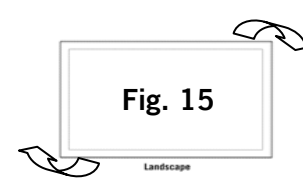
Note: For best system performance, route the AC power cable separately from the signal cables.

With all cables in place, pull the display in and out and check that the arm assembly moves freely, without stretching or damaging the cables, and then secure the cable covers.

Important: DO NOT use a hex wrench on the Retaining Nuts (11.2), only apply pressure with your finger.

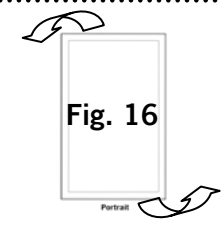
Step 7 — Adjusting the Display

The Wishbone series cantilevers provide a wealth of display adjustment to offer the best viewing from a number of seating positions.

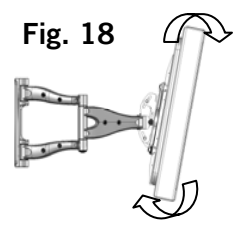


Portrait/Landscape View—Position the display for vertical or horizontal viewing.

Grasp the edge of the display and turn it to the desired position. (Fig 15 & 16)



Roll Control—Horizontal leveling of the display. Grasp the edge of the display and roll it up or down into a level position. (Fig 17)



Tilt—Raising or lowering the screen to improve viewing angle/picture quality.

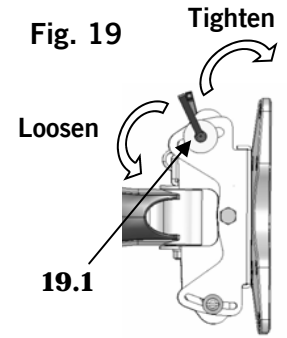
Adjust Tilt Lever (19.1) until the display will not move forward without manual adjustment, yet can still be moved with minimal effort. (Fig. 19)

Grasp the upper and lower edges of the display, and then push or pull the display to the desired tilt angle. (Fig 18)

To lock the tilt angle, tighten the Tilt Levers (19.1) securely. (Fig. 19)

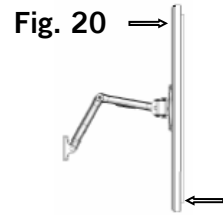
For heavier displays, never fully release the Tilt Lever without fully supporting the display.

The Tilt Lever includes a ratchet function, so that it can be lifted and repositioned for the next turn. To operate the ratchet, pull the lever straight out, rotate it to an unobstructed position, release the lever, and then turn it in the desired direction. Repeat as necessary until the tilt tension is set properly. (Fig. 19)



Swivel—Adjust the display for off center viewing positions.

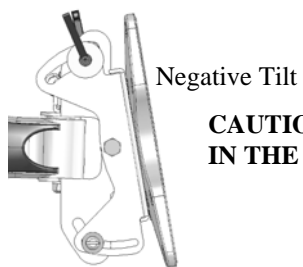
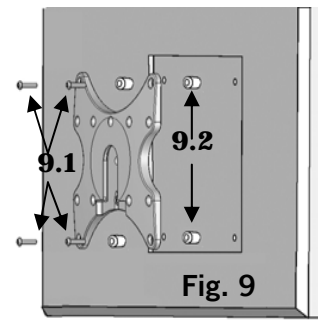
Grasp the side edges of the display and then swivel display into desired position. (Fig 20)



Some displays will require the use of a spacer between the mounting head and the back of the display because the display has a recessed mounting area or a curved back. In this case, use the long screws in pouches G, H or I, along with one or two spacers, as required, (7) for each screw.

Secure Mounting Head to back of display using the selected mounting screws (9.1) and spacers (9.2) if required. (Fig 9)

Caution: NEVER force screws into the display, as damage may occur. **NEVER** use an electric drill to secure the screws.



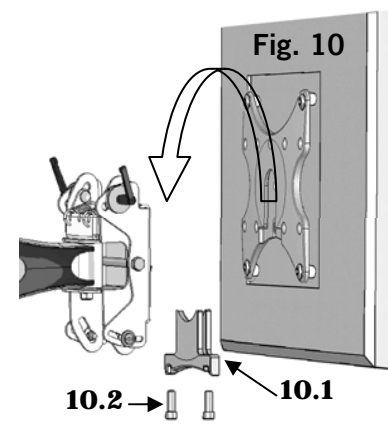
Negative Tilt

CAUTION: WHEN REMOVING THE DISPLAY MAKE SURE THE HEAD IS LOCKED IN THE NEGATIVE TILT POSITION, OTHERWISE INJURY COULD OCCUR.

Carefully lower the display into position on the Mounting Arm. Make sure to align the slots on the Mounting Head with flanges on the end of the Mounting Arm.

While holding the display in position, gently pull the bottom of the display forward to create enough space to insert the Clamp Plate (10.1) and Tension Screws (10.2). (Fig 10)

Insert and tighten enough to prevent the screen from moving easily.



Using an Adaptor Plate

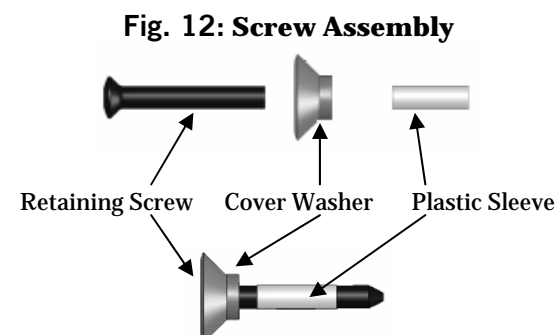
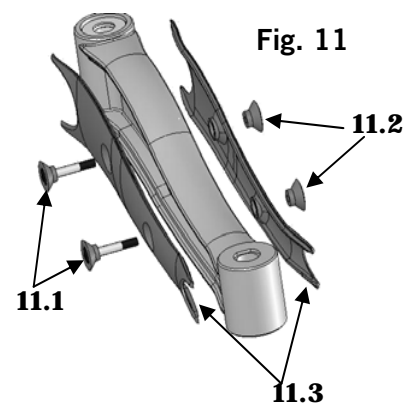
If your display is not VESA compliant, you will need to use an adaptor plate between your display and the CL-M. Attach the adaptor plate and mount the display as per the adaptor plate instructions.

If an adapter plate is required, OmniMount recommends the UA-M or model specific Adapter Plate for the CL-M

Step 6 — Using Cable Management

The Wishbone series cantilevers include a cable management function, where cables can be routed along the length of the arm assembly.

To install cables, you'll first need to remove the cable covers. Using a Phillips Head screwdriver on the Retaining Screw (11.1) and pushing on the Retaining Nuts (11.2) with your finger, remove the screw assembly (Fig. 12). Remove the Cable Covers (11.3) and set all parts aside.



Step 1 — Determine the Mounting Location

To provide maximum viewing flexibility, the OmniMount Wishbone Series cantilever mounts are capable of a wide range of motion, which allows the display to be positioned for viewing from many different angles. When selecting the mounting location for the display, make sure there is adequate space on all sides of the display, considering the dimensions (H x W) of your particular display model.

Step 2 — The Installation Template

The Installation Template is designed to make the installation of the CL-M faster, easier and more accurate. The template also includes a built in dust channel to reduce the clean up chores from mounting the CL-M.

Assembling the Dust Channel:

Locate the supplied mounting template. (Fig. 1)

Fold the dust collector along the marked lines:

- Fold main channel up.
- Crease and fold the tab sections inward.
- Fold outer portion of tab around the back of the guide, and then insert tab into slot.

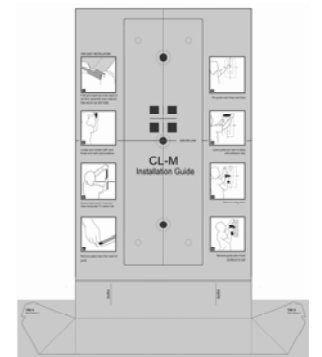


Fig. 1

Step 3 — Mounting to the Wall

Follow the instructions based upon your mounting surface:

- Wooden Stud
- Concrete/Masonry
- Cinder Block

Step 3a — Mounting to Wooden Studs

The CL-M wall plate can be mounted on a single wooden stud.

Using an electronic stud finder (Fig 2), locate the center of the wooden stud at the desired mounting location. Mark the stud center position directly onto the wall. Extend the stud center line, and then draw a horizontal line where you wish the center of the screen to be located. Measure and mark the center position of this horizontal line.

Insert supplied thumbtack into center mark on template. Remove the tape strip from the back of the guide. Remove the four square perforations above center hole to help align the template with the center mark of the stud. Pin the template to the center mark. Using a bubble level, level the guide, and then press the adhesive backing against the wall to hold the guide in place.

Note: Depending upon the roughness of the surface, you may need to hold the template in place with an additional application of tape or blue painter's tape.

Using a 3/16" (5 mm) drill bit, drill 3 pilot holes 3.0" (76 mm) deep into the center of the studs, through the circular cut-out sections of the installation template.

Note: For best results from the dust channel, press and hold the template against the wall about 2" (50 mm) from where you are drilling.

Carefully remove the guide from the wall, and discard. **Note:** Be sure to hold the guide in an upright position so as not to spill the collected dust.

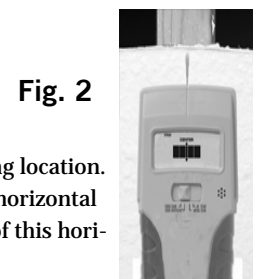


Fig. 2

Step 3b — Mounting to Concrete/Masonry

The CL-M wall plate can be mounted directly to concrete/masonry walls.

WARNING

- NEVER drill into mortar joints!
- Concrete must be 2000 PSI density minimum.

Remove the tape strip from the back of the template, and place the template in the desired location. Using a bubble level, hold the template in a level position and then press the adhesive backing against the wall to hold the guide in place.

Note: Depending upon the roughness of the surface, you may need to hold the template in place with an additional application of tape or blue painter's tape.

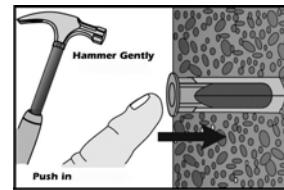
Using a 1/2" (13 mm) masonry drill bit, drill 3 mounting holes 3.5" (89 mm) deep into the concrete/masonry surface. Drill through the mounting hole cut-out sections of the template.

Note: For best results from the dust channel, press and hold the template against the wall about 2" (50 mm) from where you are drilling.

Carefully remove the guide from the wall, and discard. **Note:** Be sure to hold the guide in an upright position so as not to spill the collected dust.

Insert wall anchors into the mounting holes, and lightly tap them flush to the wall with a hammer. (Fig. 3)

Fig. 3



IMPORTANT

Masonry anchors **MUST** be seated firmly against the concrete or masonry. If mounting to a masonry wall covered with drywall/plaster, counter bore a hole through the drywall/plaster around the mounting hole location, so that the anchor can be seated directly against the concrete or masonry.

Step 3c — Mounting to Cinder Block

The CL-M wall plate can be mounted directly to cinder block walls.

WARNING

- Cinder Block must meet ASTM C-90 specifications.
- Mount to solid portion of block, generally 1" from the sides.
- NEVER drill into mortar joints!
- Use standard drill set on slow speed/ high torque setting. DO NOT use hammer drill on cinder block.
- Verify that you have a minimum of 1 3/8" of actual concrete thickness in the mounting hole, before inserting the wall anchor.

Remove the tape strip from the back of the template. Using a bubble level, hold the template in a level position and then press the adhesive backing against the wall to hold the guide in place.

Note: Depending upon the roughness of the surface, you may need to hold the template in place with an additional application of tape or blue painter's tape.

Using a 1/2" (13 mm) drill bit, drill 3 mounting holes 3.5" (89 mm) deep into the cinder block surface. Drill through the mounting hole cut-out sections of the template.

Note: For best results from the dust channel, press and hold the template against the wall about 2" (50 mm) from where you are drilling.

Carefully remove the guide from the wall, and discard. **Note:** Be sure to hold the guide in an upright position so as not to spill the collected dust.

Insert wall anchors into the mounting holes, and lightly tap them flush to the wall with a hammer. (Fig 3)

IMPORTANT

Masonry anchors **MUST** be seated firmly against the concrete or masonry. If mounting to a wall covered with drywall/plaster, counter bore a hole through the drywall/plaster around the mounting hole location, so that the anchor can be seated directly against the concrete or masonry.

Step 4 — Mounting to the Wall

Remove the cantilever assembly from the box.

Using the Large supplied hex wrench, remove the Shoulder Screws (4.1) from the Shoulder Assembly (4.2). Separate the Shoulder Assembly from the Wall Plate (located behind the Assembly). (Fig. 4)

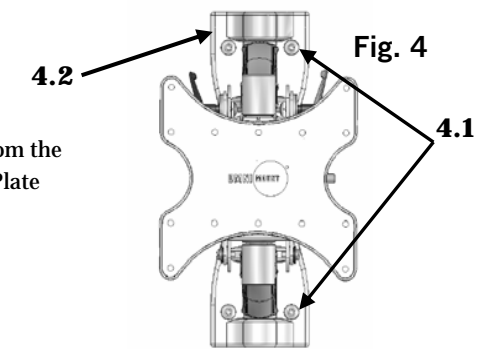
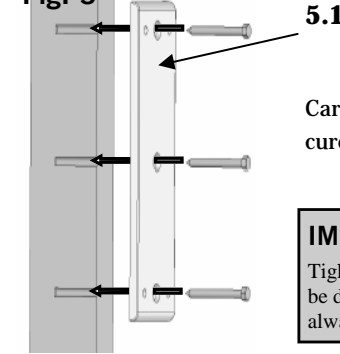


Fig. 5

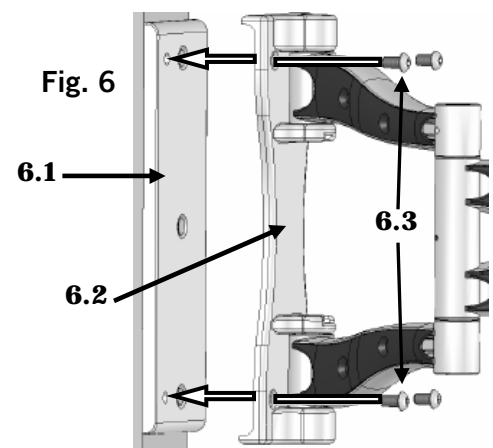


Carefully hold the Wall Plate (5.1) in position over the drilled mounting holes, and then securely bolt the wall plate to the wall with the supplied 5/16" lag bolts (2). See Fig 5.

IMPORTANT

Tighten lag bolts so that wall plate is firmly attached to wall, but DO NOT over tighten. The Lag bolts can be damaged by over tightening, which greatly reduces their holding power. Final tightening of lag should always be done by hand, with a ratchet wrench and socket.

With the Wall Plate (6.1) securely mounted to the wall, place the Shoulder Assembly (6.2) over it and align the Shoulder Screw Holes on the Assembly with the Corresponding Holes on the Wall Plate. Insert Shoulder Screws (6.3) and tighten by hand. (Fig. 6)



Step 5 — Attaching the Display

It's easy to mount a flat panel display to the CL-M using the Lift N' Lock mounting system. First, remove the Mounting Head (7.1) from the end of the arm assembly. To do this, use the Small supplied hex wrench to remove the Tension Screws (7.2) from Clamp Plate (7.3), and then slide the Clamp Plate out of the Mounting Head. Set these parts aside for later. Next lift the Mounting Head straight up off the end of the arm assembly. See Fig. 7.

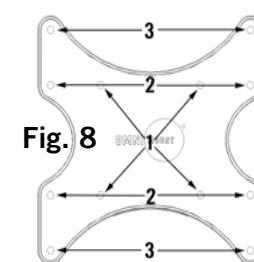
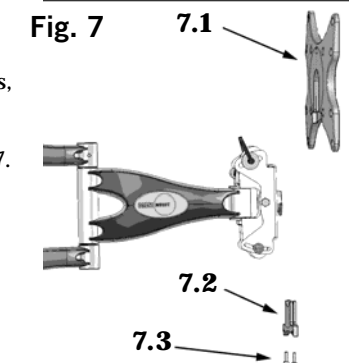


Fig. 8

The Mounting Head of the CL-M is VESA compliant, and supports the following VESA Patterns (Fig. 8):

- 1: VESA 100 (100mm x 100mm)
- 2: VESA 200 (100mm x 200mm)
- 3: VESA 200 (200mm x 200mm)

The Mounting Head can be attached directly to VESA compliant flat panel displays, using the appropriate Hardware. Consult the supplied Hardware Cross Reference list, and locate the required mounting screws (A-I) for your display.

Note: If your display is not VESA compliant, proceed to the section entitled **Using an Adaptor Plate**.