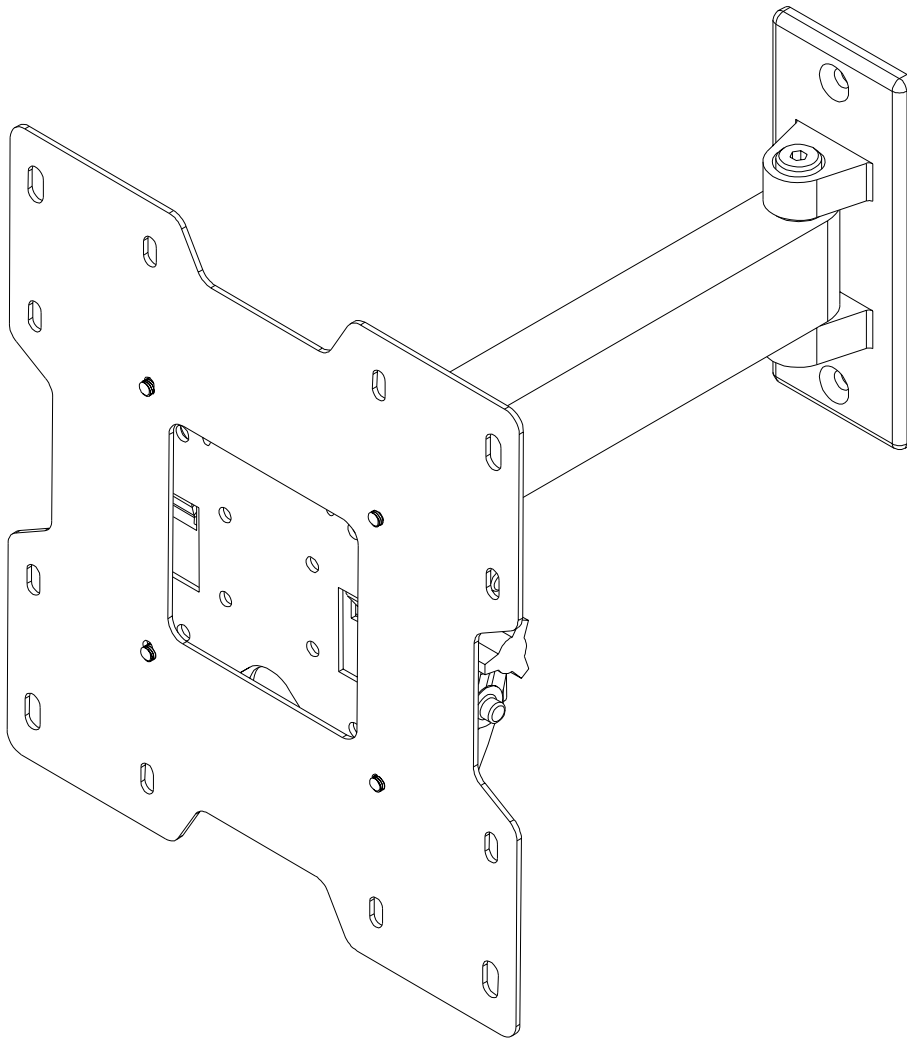


Installation and Assembly: SmartMount™ Pivot Wall Arm for LCD Screens

Models: SP740P, SP740P-S



Features:

- Fits 22" - 40" LCD screens
- Two tensionable pivot points for extensive adjustment of viewing angle
- VESA® 75/100/200 x 100/200 x 200 compatible
- Frees up space by folding flat against the wall



Max UL Load Capacity: 80 lb (36.3 kg)

Note: Read entire instruction sheet before you start installation and assembly.

⚠ WARNING

- Do not begin to install your Peerless product until you have read and understood the instructions and warnings contained in this Installation Sheet. If you have any questions regarding any of the instructions or warnings, call Peerless customer care at 1-800-865-2112.
- This product should only be installed by a qualified professional.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.
- Never mount this product to a metal stud wall construction unless the stud can be verified to be constructed of 25 gauge steel minimum, the drywall is 1/2" thick minimum and you obtain and use the Peerless Metal Stud Wall Plate (WSP 490) for metal studs.
- Never exceed the Maximum UL Load Capacity.
- If mounting to wood wall stud wall construction, make sure that mounting screws are anchored into the center of the studs. Use of an "edge to edge" stud finder is highly recommended.
- Always use an assistant or mechanical lifting equipment to safely lift and position equipment.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the items, greatly reducing their holding power. See suggested torque values where applicable within these instructions.

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- 3/16" allen wrench
- drill with 1/4" and 5/32" drill bits

Accessories

- Metal Stud Wall Plate (WSP 490) – required to attach mount to metal studs (Not evaluated by UL)

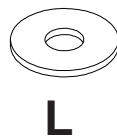
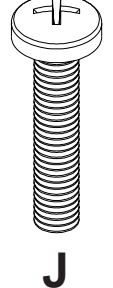
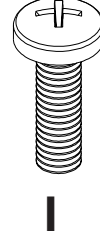
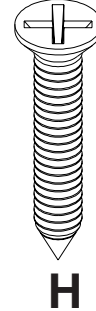
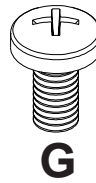
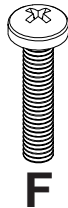
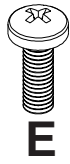
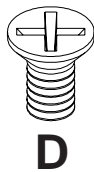
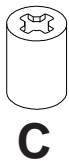
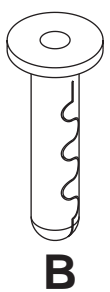
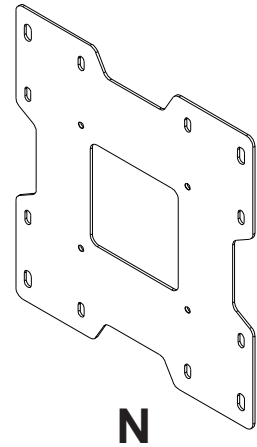
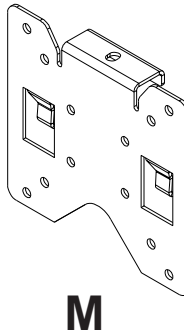
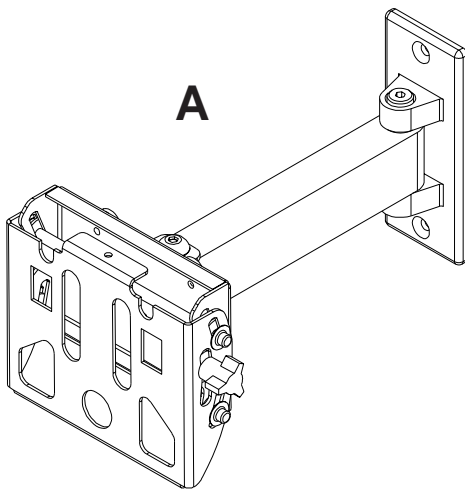
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For customer care call (800) 865-2112 or (708) 865-8870.

Parts List

Description	Qty.	SP740P	SP740P-S
		Part #	Part #
A wall mount assembly	1	095-0375	095-0377
B Alligator® anchor	2	590-0097	590-0097
C .198" ID x .313" OD x .437" H retaining spacer	4	590-5005	590-5003
D 1/4-20 x 1/2" flat head phillips screw	2	520-1209	520-2178
E M4 x .7 x 10 mm phillips screw	4	504-9012	520-2027
F M4 x .7 x 20 mm phillips screw	4	504-9020	504-2014
G M6 x 1 x 12 mm phillips screw	4	520-1128	520-2039
H #14 x 2-1/2" flat head wood screw	2	520-1202	520-2165
I M6 x 1 x 20 mm phillips screw	4	520-9402	520-2040
J M6 x 1 x 30 mm phillips screw	4	510-9109	520-2042
K M5 x 1 x 6 mm phillips screw	5	520-1023	520-2214
L #10 flat washer	4	540-9400	540-9442
M hook bracket	1	095-1346	095-4346
N adapter plate	1	095-1322	095-4322
O #10-32 x 1/4" flat head phillips screw	1	520-1108	520-2108



Installation to Wood Stud Wall

⚠ WARNING

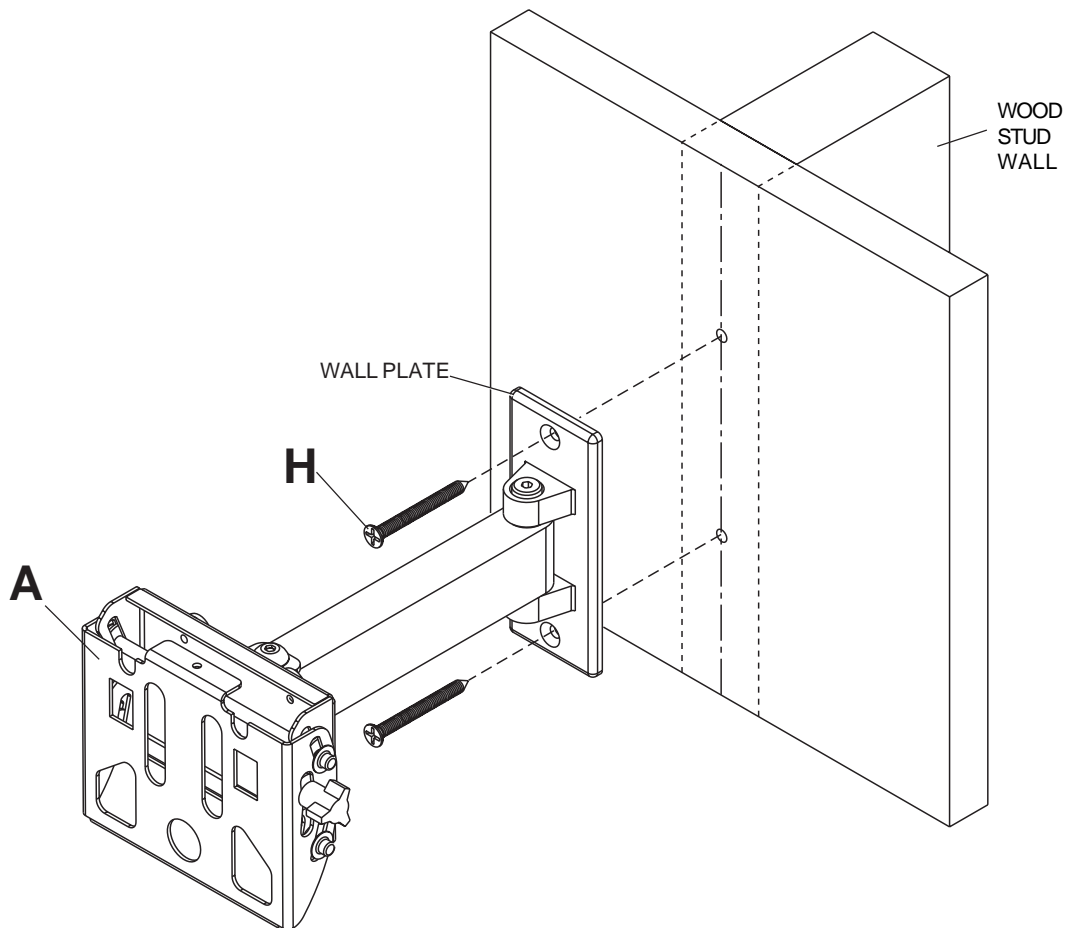
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

- 1 Using a stud finder, locate and mark the edges of the wood stud used in mounting this product. Use an edge to edge stud finder is highly recommended. Use a level to draw a vertical line down the center of the stud. Use wall plate as template to mark center of holes along the vertical line. Drill two 5/32" (4 mm) dia. holes 2.5" (65 mm) deep. Attach wall mount (A) to wall using two #14 x 2.5" flat head wood screws (H) as shown.

Skip to step 2 on page 6.

⚠ WARNING

- Tighten screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).
- Make sure that mounting screws are anchored into the center of the studs. The use of an "edge to edge" stud finder is highly recommended.



Installation to Solid Concrete and Cinder Block

⚠ WARNING

- When installing Peerless wall mounts on cinder block, verify that you have a minimum of 1-3/8" of actual concrete thickness in the hole to be used for the concrete anchors. Do not drill into mortar joints! Be sure to mount in a solid part of the block, generally 1" minimum from the side of the block. Cinder block must meet ASTM C-90 specifications. It is suggested that a standard electric drill on slow setting is used to drill the hole instead of a hammer drill to avoid breaking out the back of the hole when entering a void or cavity.
- Concrete must be 2000 psi density minimum. Lighter density concrete may not hold concrete anchor.
- Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

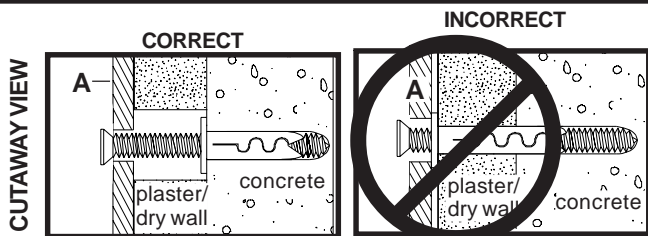
1 Level and use wall plate as template to mark center of holes. Drill two 1/4" (6 mm) dia. holes to a minimum depth of 2.5" (64 mm). Insert anchors (**B**) in holes flush with wall as shown in fig 1.1. Place wall mount (**A**) over anchors and secure with wood screws (**H**) as shown in figures 1.2 and 1.4. Make sure wall mount is level, and tighten all fasteners. See figure 1.3.

⚠ WARNING

- Tighten screws so that wall plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Never tighten in excess of 80 in. • lb (9 N.M.).

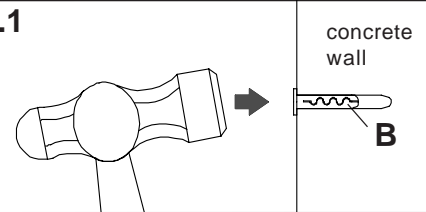
⚠ WARNING

- Concrete anchors are **not** intended for attachment to concrete wall covered with a layer of plaster, drywall, or other finishing material as shown below. If mounting to concrete wall covered with plaster/drywall is unavoidable, plaster/drywall (up to 5/8" thick) must be counterbored as shown below. Be sure concrete anchors do not pull away from concrete when tightening screws. If plaster/drywall is thicker than 5/8", custom fasteners must be supplied by installer (not UL evaluated).



Drill holes and insert anchors.

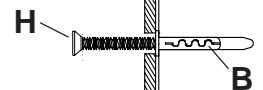
fig. 1.1



Place wall plate over anchor and secure with screw.

fig. 1.2

WALL PLATE



Tighten all fasteners.

fig. 1.3

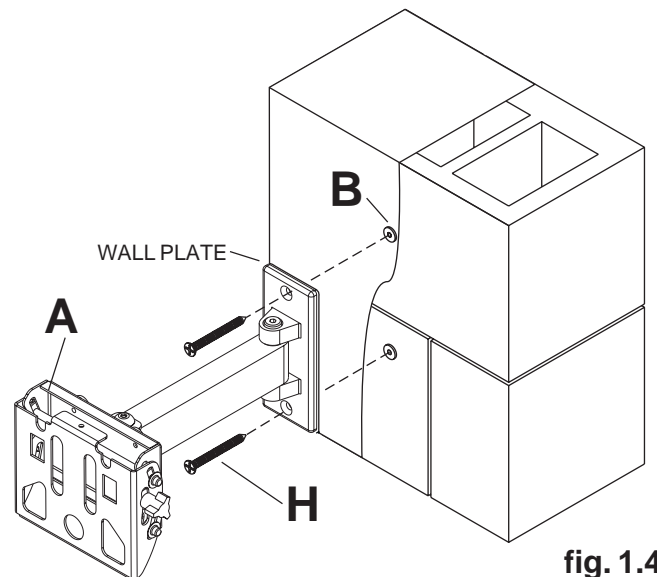
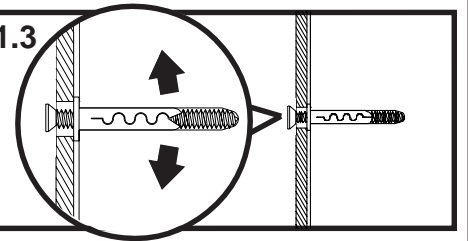
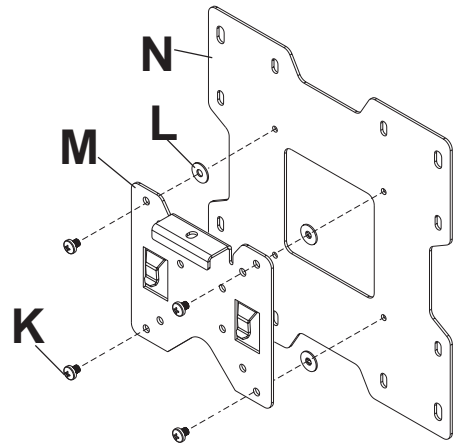


fig. 1.4

Attaching Adapter Plate to Screen with VESA 200 x 100 or 200 x 200 Mounting Pattern

Note: For VESA 75 mm and 100 mm patterns, see following page.

- 2** Attach hook bracket (M) to adapter plate (N) using four M5 x 6 mm screws (K) and #10 washers (L) as shown.



⚠ WARNING

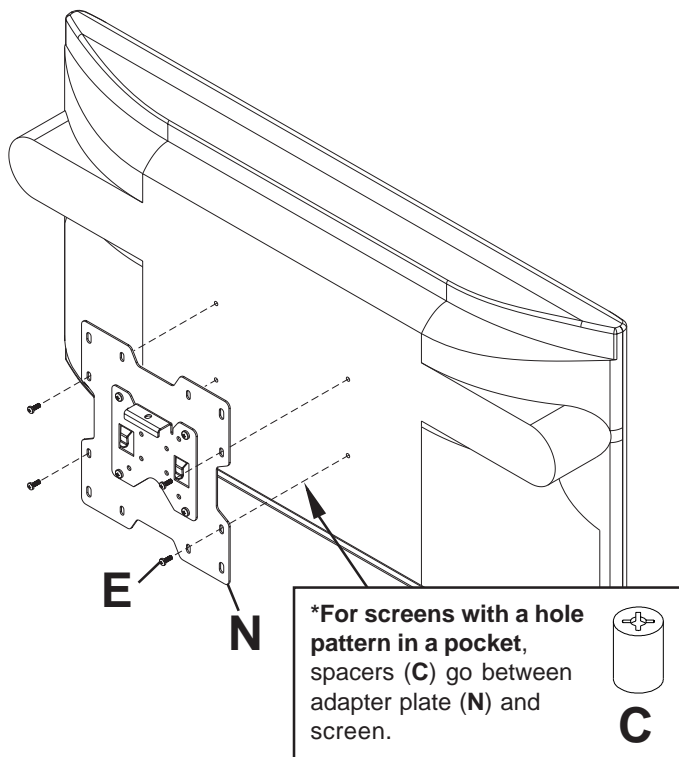
- If screws don't get three complete turns in the screen inserts or if screws bottom out and adapter plate is still not tightly secured, damage may occur to screen or product may fail.

FOR VESA 200 x 100 MOUNTING PATTERN:

- 2-1** Choose hole pattern as shown below. Attach adapter plate (N) to back of screen using four M4 x 10 mm screws (E) as shown below.

***Note:** If screw (E) gets less than three threads of engagement, attach adapter plate (N) to back of screen using four M4 x 20 mm screws (F) and four spacers (C) as indicated below.

Skip to step 3 on page 9.

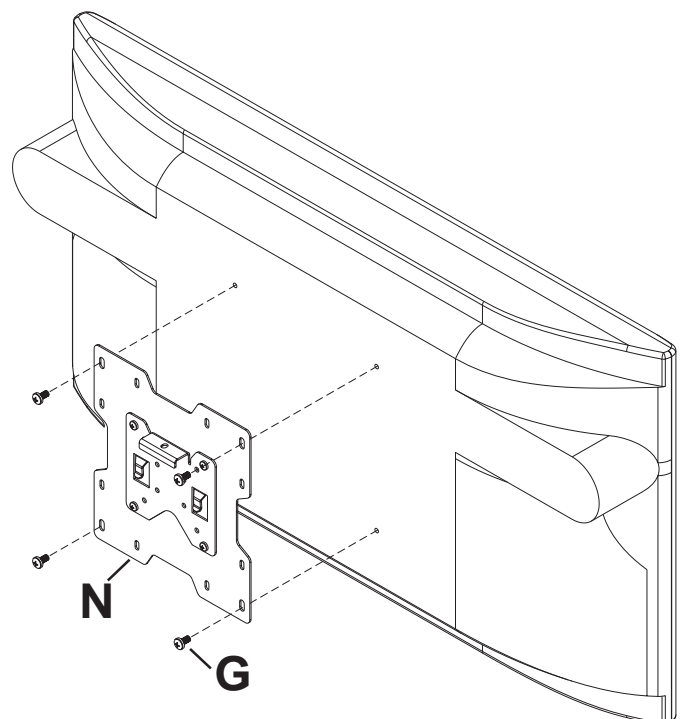


FOR VESA 200 x 200 MOUNTING PATTERN:

Choose hole pattern as shown below. Attach adapter plate (N) to back of screen using four M6 x 12 mm screws (G) as shown below.

***Note:** If screw (G) gets less than three threads of engagement, attach adapter plate (N) to back of screen using four M6 x 20 mm screws (I). If screw (I) still gets less than three threads of engagement, use four M6 x 30 mm screws (J).

Skip to step 3 on page 9.



Attaching Hook Bracket to Screen with VESA 75 or 100 Mounting Pattern

⚠ WARNING

- If screws don't get three complete turns in the screen inserts or if screws bottom out and bracket is still not tightly secured, damage may occur to screen or product may fail.

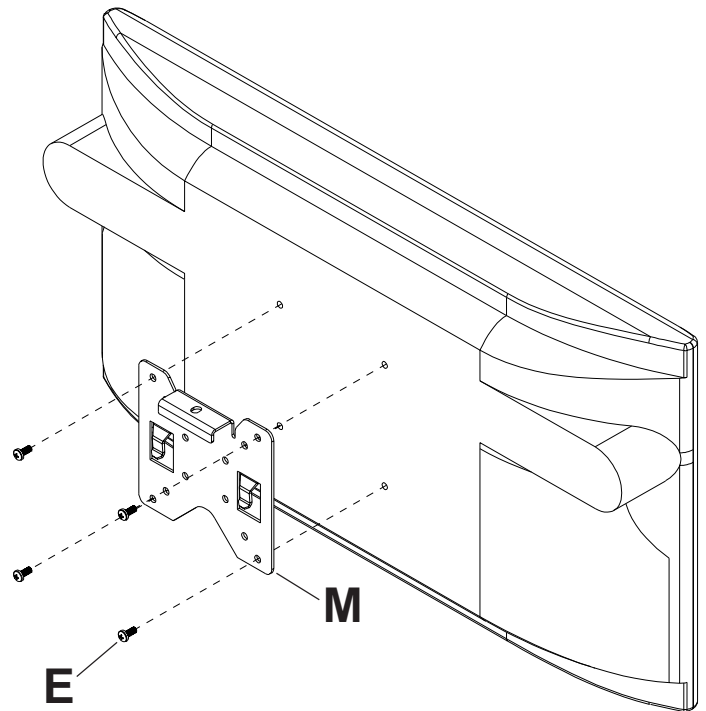
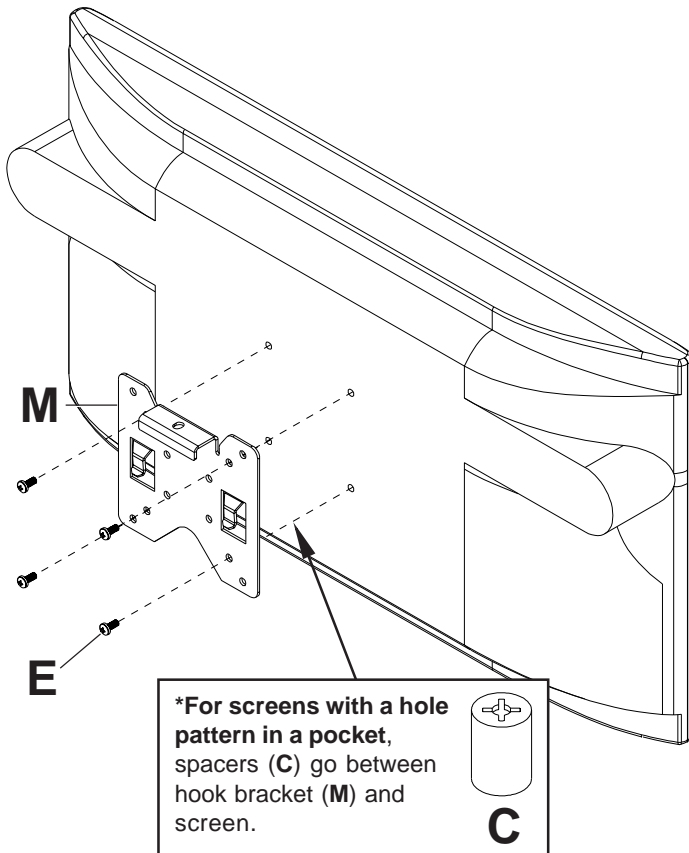
FOR VESA® 75 MOUNTING PATTERN:

- 2** Choose hole pattern as shown below. Attach hook bracket (**M**) to back of screen using four M4 x 10 mm screws (**E**) as shown below.

***Note:** If hole pattern is in a pocket, attach hook bracket (**M**) to back of screen using four M4 x 20 mm screws (**F**) and four retaining spacers (**C**) as indicated below.

FOR VESA 100 MOUNTING PATTERN:

- Choose hole pattern as shown below. Attach hook bracket (**M**) to back of screen using four M4 x 10 mm screws (**E**) as shown below.



For screen compatibility please refer to the LCD or plasma interface list on our website www.peerlessmounts.com or call customer care for a screen specific adapter bracket LC or PLP models (not UL evaluated).

FOR INSTALLING TO PEERLESS LC MODEL ADAPTER BRACKET

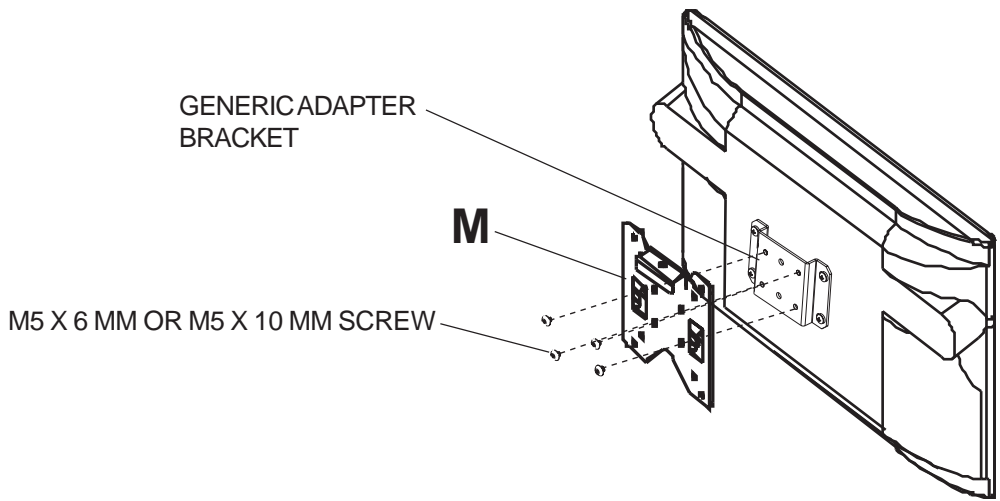
Note: Refer to LC model adapter bracket instruction sheet for attachment of adapter bracket to screen.

Note: Either M5 x 6 mm or M5 x 10 mm screws are included with the LC model adapter bracket.

2 Attach hook bracket (**M**) to adapter bracket using four M5 x 6 mm or M5 x 10 mm screws.

⚠ WARNING

- If screws don't get three complete turns in the screen inserts or if screws bottom out and bracket is still not tightly secured, damage may occur to screen or product may fail.

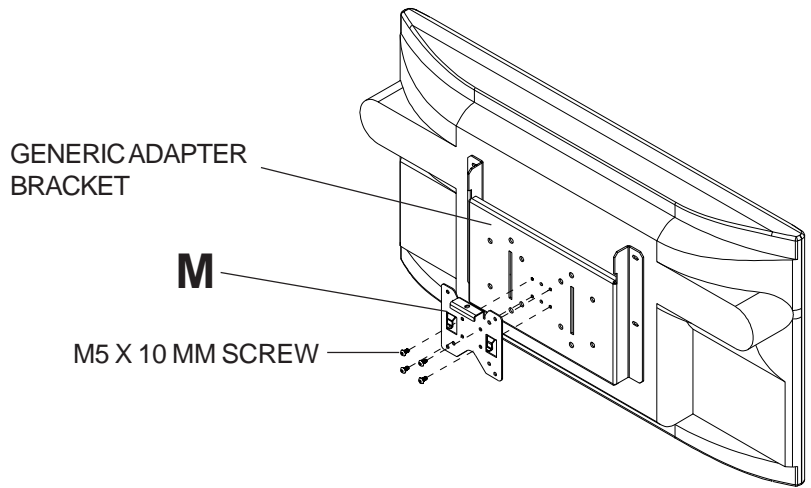


FOR INSTALLING TO PEERLESS PLP MODEL ADAPTER BRACKET

Note: Refer to PLP model adapter bracket instruction sheet for attachment of adapter bracket to screen.

Note: M5 x 10 mm screws are included with the PLP model adapter bracket

2 Attach hook bracket (**M**) to adapter bracket using four M5 x 10 mm screws.



Installing and Removing Flat Panel Screen

- 3** To attach screen to wall mount (A), lower hook bracket (M) with screen at an angle into pockets of wall mount as shown in figure 3.1. Once clips are engaged, push down to seat clips in pockets as shown in figure 3.2. Insert and tighten M5 phillips screw (K) to lock screen to wall mount as shown in figure 3.3.

To remove screen from mount, loosen screw (K) and lift screen off of mount.

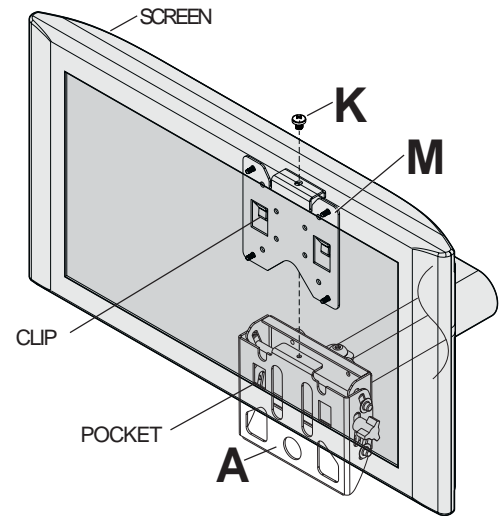


fig. 3.3

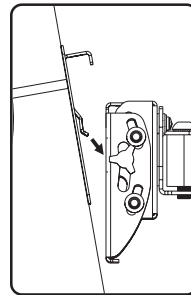


fig. 3.1

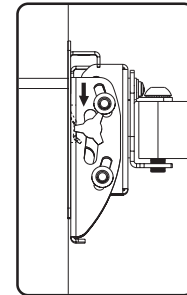


fig. 3.2

⚠ WARNING

- Do not lift more weight than you can handle. Use additional man power or mechanical lifting equipment to safely handle placement of the screen.
- Failure to lock hook bracket (M) with screw (K) can cause screen to come off mount if hit accidentally.

CAUTION

- Do not tighten screws with excessive force. Overtightening can cause damage to mount. Tighten screws to 20 in. • lb (2.26 N.M.) maximum torque.

- 4** Adjust tension knob on side of mount shown in figure 4.1 to desired tension to balance your screen size and weight.

Push or pull from top or bottom of screen to adjust tilt as shown. The tilt can be adjusted to a maximum of 15° forward or 5° backward.

CAUTION

- Do not tighten screws with excessive force. Overtightening can cause damage to mount. Tighten screws to 40 in. • lb (4.5 N.M.) maximum torque.

⚠ CAUTION

- Be careful not to pinch fingers when opening and closing mount from the wall.

- 4-1** Roll screen to desired position (5° clockwise or counter-clockwise). Insert #10-32 x 1/2" flat head phillips screw (O) to lock screen into position as shown in figure 4.2.

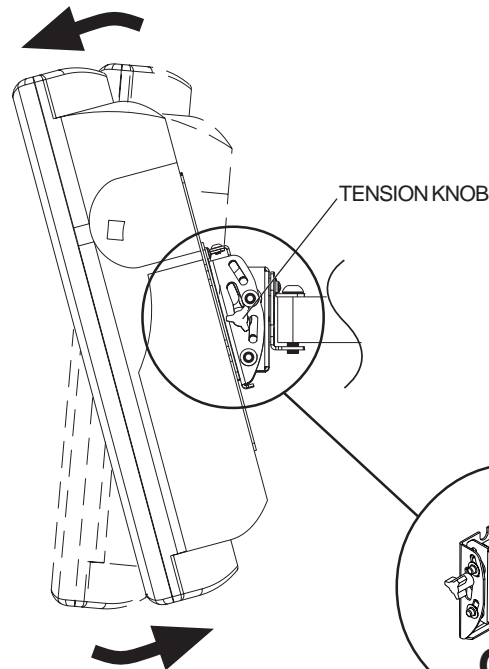


fig. 4.1

fig. 4.2

⚠ WARNING

- Do not remove screw or loosen screw until it is no longer engaged with the mount. Doing so may cause the screen to fall.

- 5** If more or less tension is desired in the arm pivot points, do the following:
- To increase tension, turn tension screw(s) clockwise with allen wrench.
 - To reduce tension, turn tension screw(s) counter-clockwise with allen wrench. **Do not turn more than half a turn.**

