peerless®
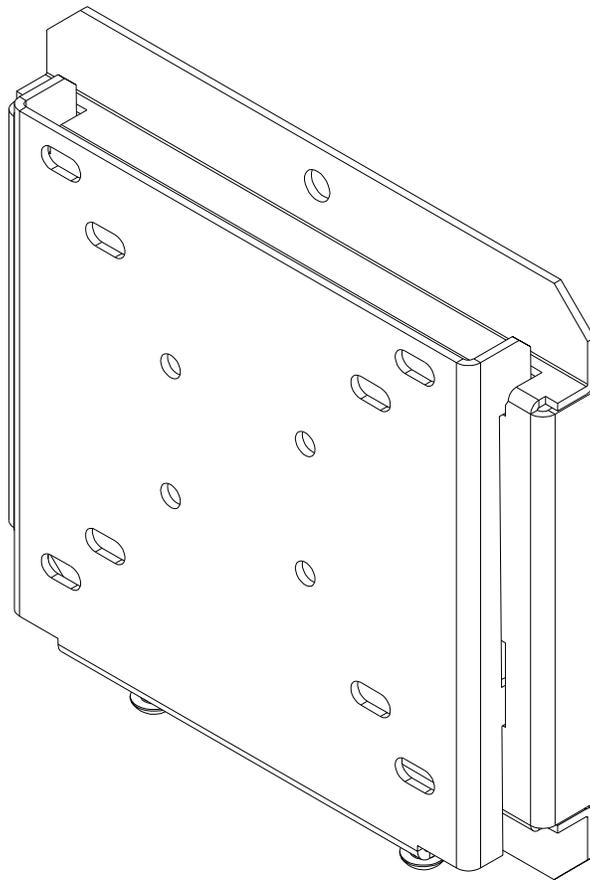
Installation and Assembly:

SmartMount™ Universal Flat Wall Mount
for 10" - 24" LCD Flat Panel Screens

Models: SF 630P, SF 630P-S, SF 630, SF 630-S

Features:
- For 10" to 24" LCD flat panel screens
- Ultra-slim design holds the screen flat against the wall

This product is UL Listed. It must be installed by a qualified professional installer.

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, please call Peerless customer care at 1-800-865-2112.

- This product should only be installed by a qualified professional.

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

- Never exceed the Maximum UL Load Capacity of 80 lb (36.3 kg).

- If mounting to wood wall studs, 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.

Tools Needed for Assembly

- stud finder ("edge to edge" stud finder is recommended)
- phillips screwdriver
- drill
- 1/4" bit for concrete and cinder block wall
- 5/32" bit for wood stud wall
- level

Accessories

- Metal Stud Fastener Kit (ACC 215) (Not evalutated by UL)
- Video Conferencing Shelf (ACC 309) (Not evalutated by UL)
- Accessory Shelves (PM 600, PM 610) (Not evalutated by UL)

Table of Contents

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

Parts List

	Description	Qty	SF 630P Part #	SF 630P-S Part #	SF 630 Part #	SF 630-S Part #
A	wall plate	1	095-1320	095-4320	095-1320	095-4320
B	hook bracket	1	095-1321	095-4321	095-1321	095-4321
C	M5 x 12 mm screw	2	520-1027	520-1027	520-1064	520-1064
D	M4 x .7 x 10 mm phillips screw	4	504-9012	504-9012	504-9012	504-9012
E	M4 x .7 x 20 mm phillips screw	4	504-9020	504-9020	504-9020	504-9020
F	.198 ID x .313 OD x .437 H retaining spacer	4	590-5005	590-5005	590-5005	590-5005
G	#14 x 2.5" hex head wood screw	2	5S1-015-C03	5S1-015-C03	5S1-015-C03	5S1-015-C03
H	Alligator® anchor	2	590-0097	590-0097	590-0097	590-0097
I	4 mm allen wrench	1			560-1145	560-1145

A

B

I

C   **D**   **E**   **F**   **G**   **H**
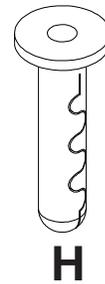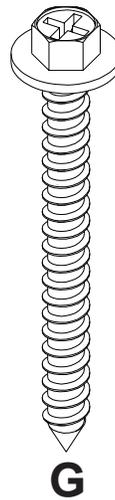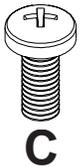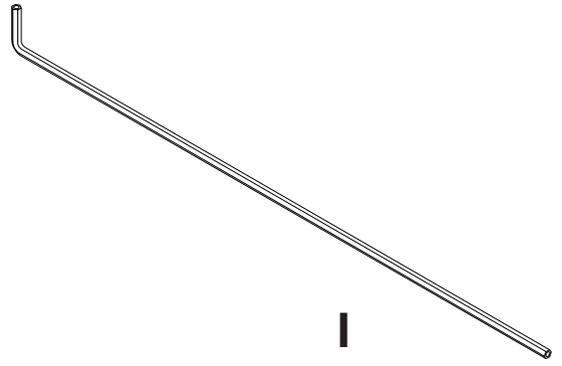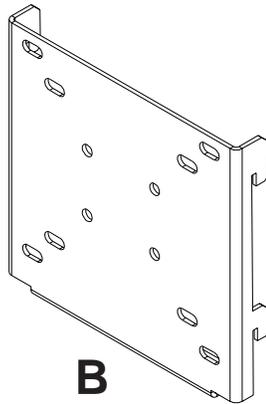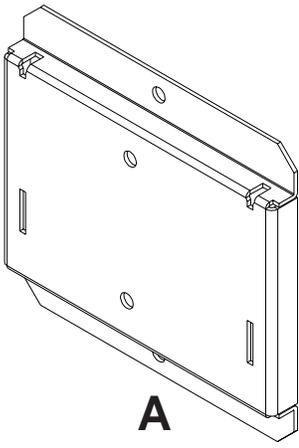
Installation to Single Wood Stud Wall
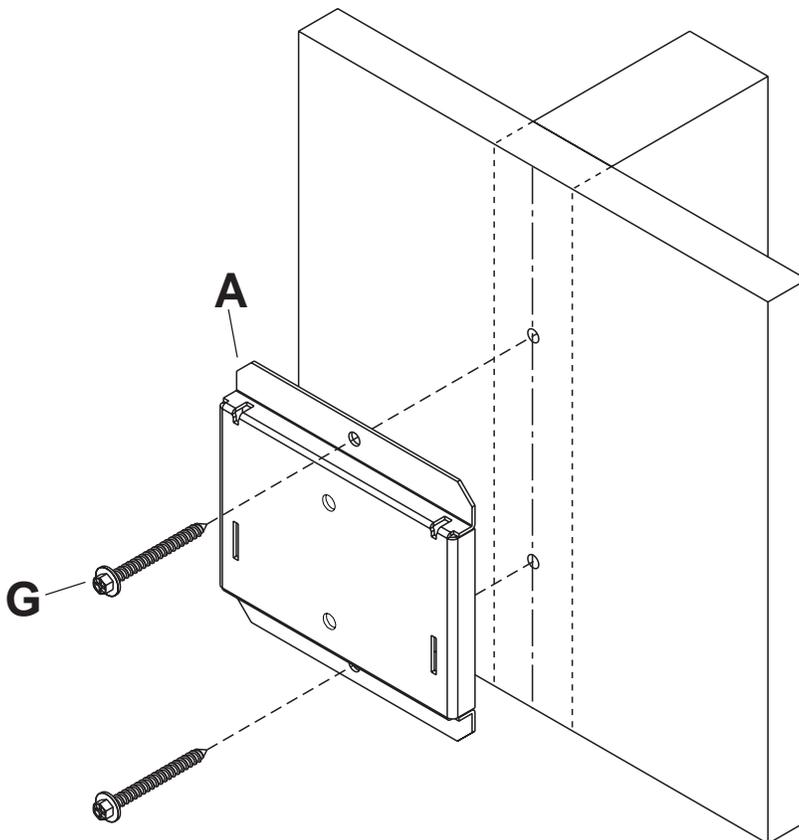
⚠ **WARNING**
• Make sure that the wall will safely support the combined load of the equipment and all attached hardware and components.

1 Use a stud finder to locate the edges of the stud. Use of an edge-to-edge stud finder is highly recommended. Based on its edges, draw a vertical line down the stud's center. Place wall plate (**A**) on wall as a template, making sure that the two mounting holes are over the stud centerline. Level plate, and mark the center of the two holes. Drill two 5/32" (4 mm) dia. holes 2-1/2" (65 mm) deep. Make sure that the wall plate is level, secure it using two #14 x 2.5" wood screws (**G**) as shown.

Skip to step 2 on page 6.

⚠ **WARNING**
• Tighten wood 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 stud. The use of an "edge to edge" stud finder is highly recommended.
• Hardware provided is for attachment of mount through standard thickness drywall or plaster into wood studs. Installers are responsible to provide hardware for other types of mounting situations.

ISSUED: 04-18-05 SHEET #: 201-9427-6 02-06-07

Installation to Solid Concrete or 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 wall will safely support four times the combined load of the equipment and all attached hardware and components.
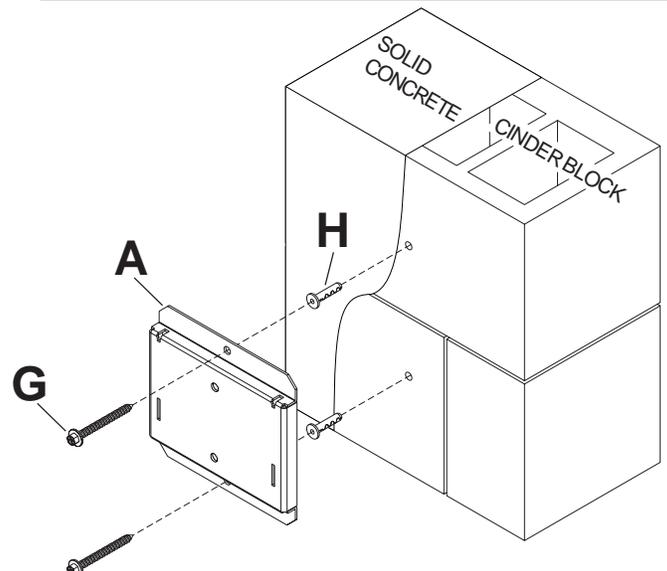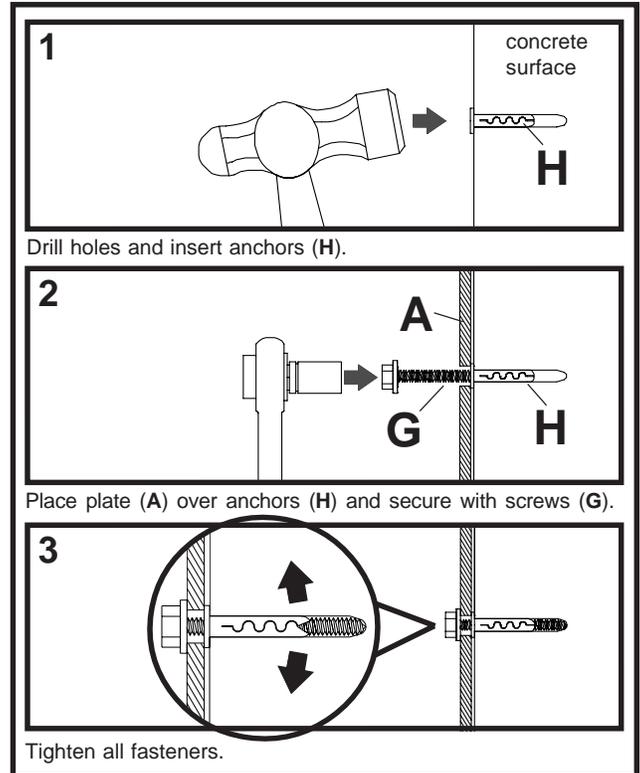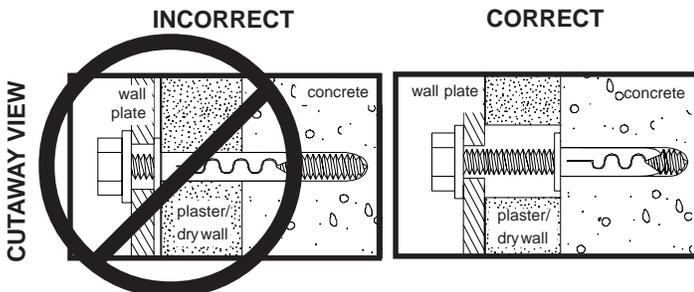
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1 Make sure that wall plate (**A**) is level, use it as a template to mark two mounting holes. Drill two 1/4" (6 mm) dia. holes to a minimum depth of 2.5" (64 mm). Insert anchors (**H**) in holes flush with wall as shown (right). Place wall plate over anchors and secure with two #14 x 2.5" screws (**G**). Level, then tighten all fasteners.

⚠ WARNING

- Tighten screws so that wall plate is firmly attached, but do not <u>overtighten</u>. Overtightening can damage screws, greatly reducing their holding power.

- Never tighten in excess of 80 in. • lb (9 N.M.).

⚠ WARNING

- Always attach concrete expansion anchors <u>directly</u> to load-bearing concrete.

- Never attach concrete expansion anchors to concrete covered with plaster, drywall, or other finishing material. If mounting to concrete surfaces covered with a finishing surface is unavoidable, the finishing surface 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.

1 concrete surface

Drill holes and insert anchors (**H**).

2 Place plate (**A**) over anchors (**H**) and secure with screws (**G**).

3 Tighten all fasteners.

CUTAWAY VIEW

INCORRECT

wall plate / concrete / plaster/drywall

CORRECT

wall plate / concrete / plaster/drywall

SOLID CONCRETE / CINDER BLOCK

ISSUED: 04-18-05 SHEET #: 201-9427-6 02-06-07

Attaching Hook Bracket to Flat Panel Screen

2 Thread M5 phillips screws (**C**) to hook bracket (**B**) making the screws flush with bracket as shown in figures 2.1 and 2.2.
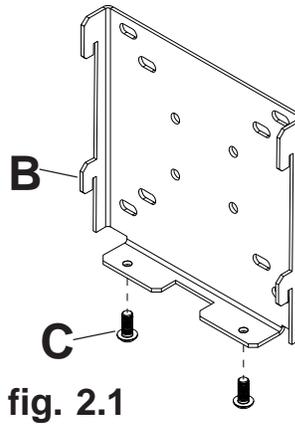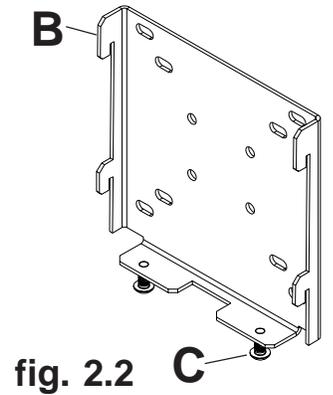
B

B

C

fig. 2.1

fig. 2.2

C

⚠ 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.

3 **FOR VESA® 75 MOUNTING PATTERN:**

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

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

FOR VESA 100 MOUNTING PATTERN:

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

B

D
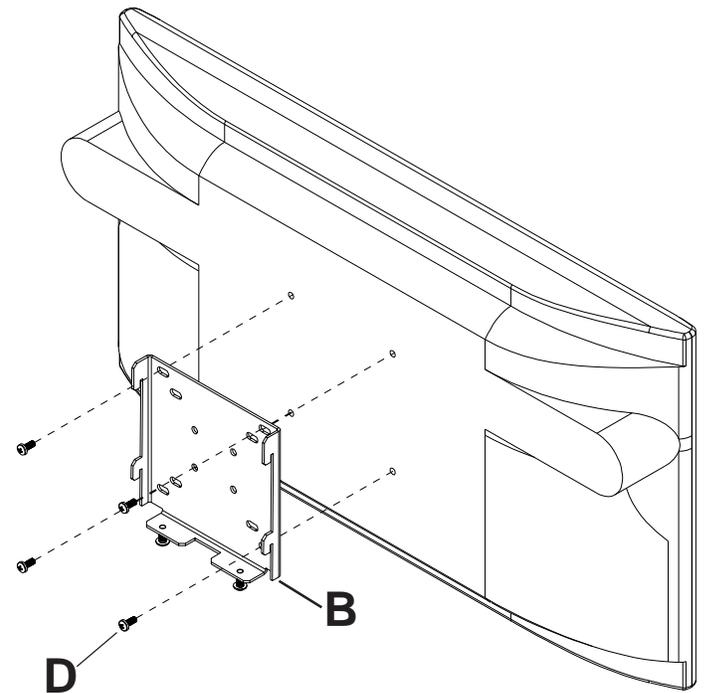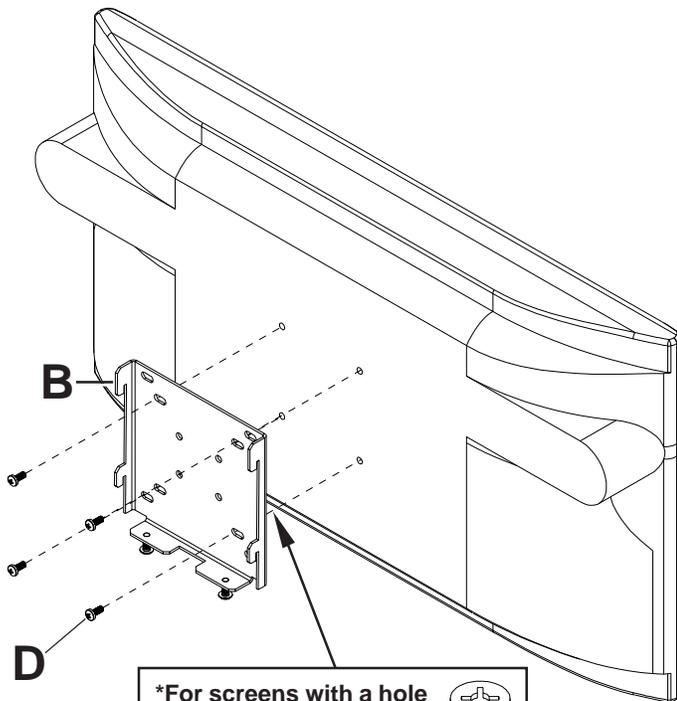
*For screens with a hole pattern in a pocket, spacers (**F**) go between hook bracket (**B**) and screen.

F

B

D

Installing and Removing Flat Panel Screen

4 Hook screen onto wall plate (**A**) figure 4.1. Tighten M5 x 12 mm screws (**C**), shown in figure 4.2 and detail 1.

Note: For security models, tighten M5 x 12 mm screws (**C**) using 4 mm allen wrench (**I**)

To remove screen from mount, loosen screws (**C**) and lift screen off of mount.
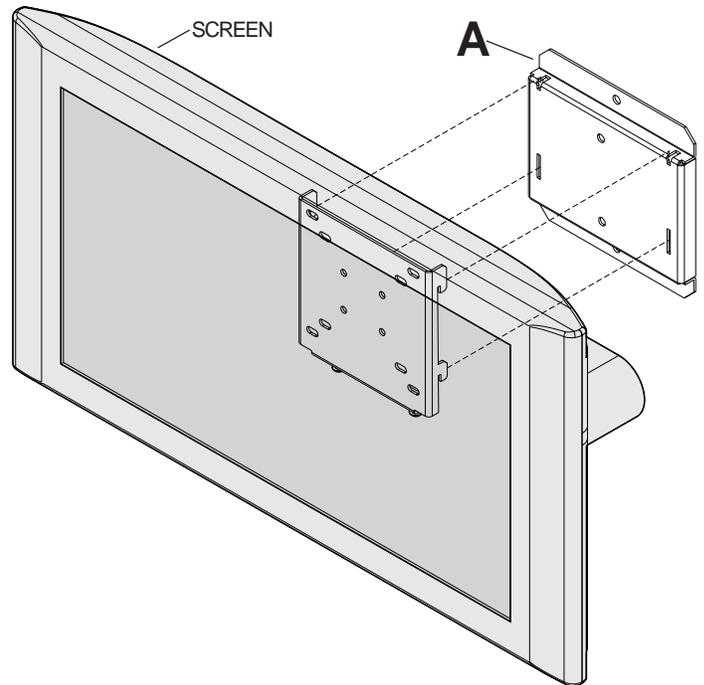
⚠ WARNING

• 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 with screws (**C**) 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.
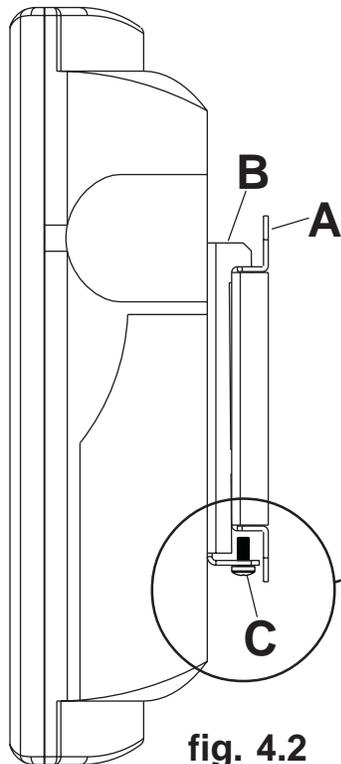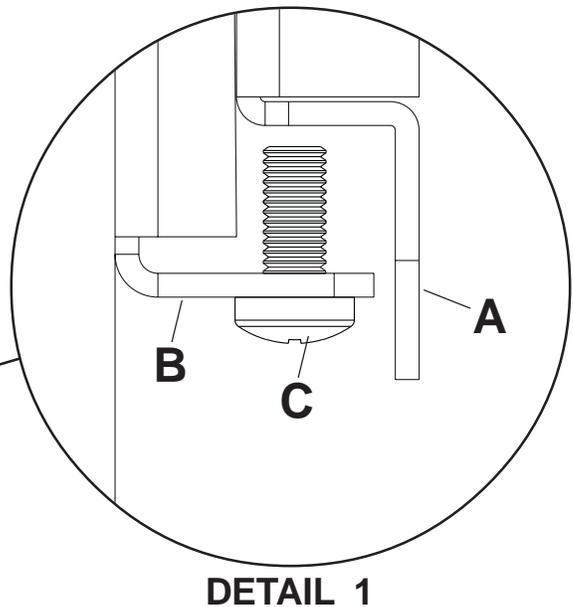
SCREEN

A

fig. 4.1

B

A

C

fig. 4.2

B

C

A

DETAIL 1