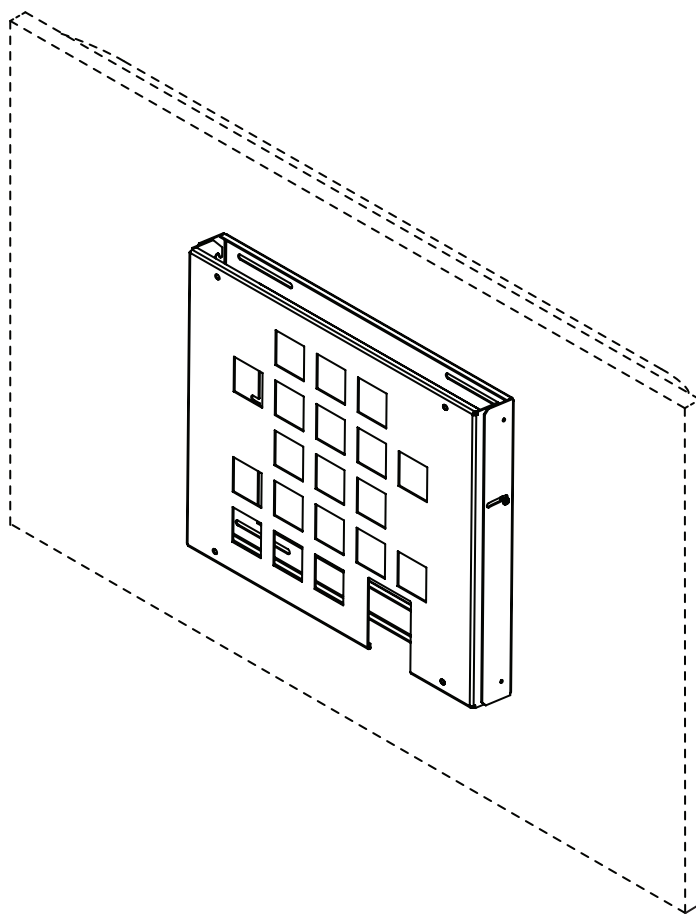




Installation and Assembly: Flat \ Tilt Wall Mount for VESA 400x400

Model: HT642-003



Max Load Capacity: 100 lb (45.4 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 service at 1-800-729-0307.
- 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 exceed the Maximum Load Capacity of 100 lb (45.4 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.
- This product was designed and intended to be mounted to the following supporting surfaces checked below with the hardware included in this product as specified in the installation sheet. To mount this product to an alternative supporting surface, contact Peerless customer care at 1-800-865-2112.
- This product was designed to be installed on the following wall construction only;

WALL CONSTRUCTION	ADDITIONAL HARDWARE REQUIRED
☒ Wood Stud	None
☒ Wood Beam	None
☒ Solid Concrete	None
☒ Cinder Block	None
☒ Metal Stud	None
☐ Brick	Contact Customer Service
☐ Other or unsure?	Contact Customer Service

Tools Needed for Assembly

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

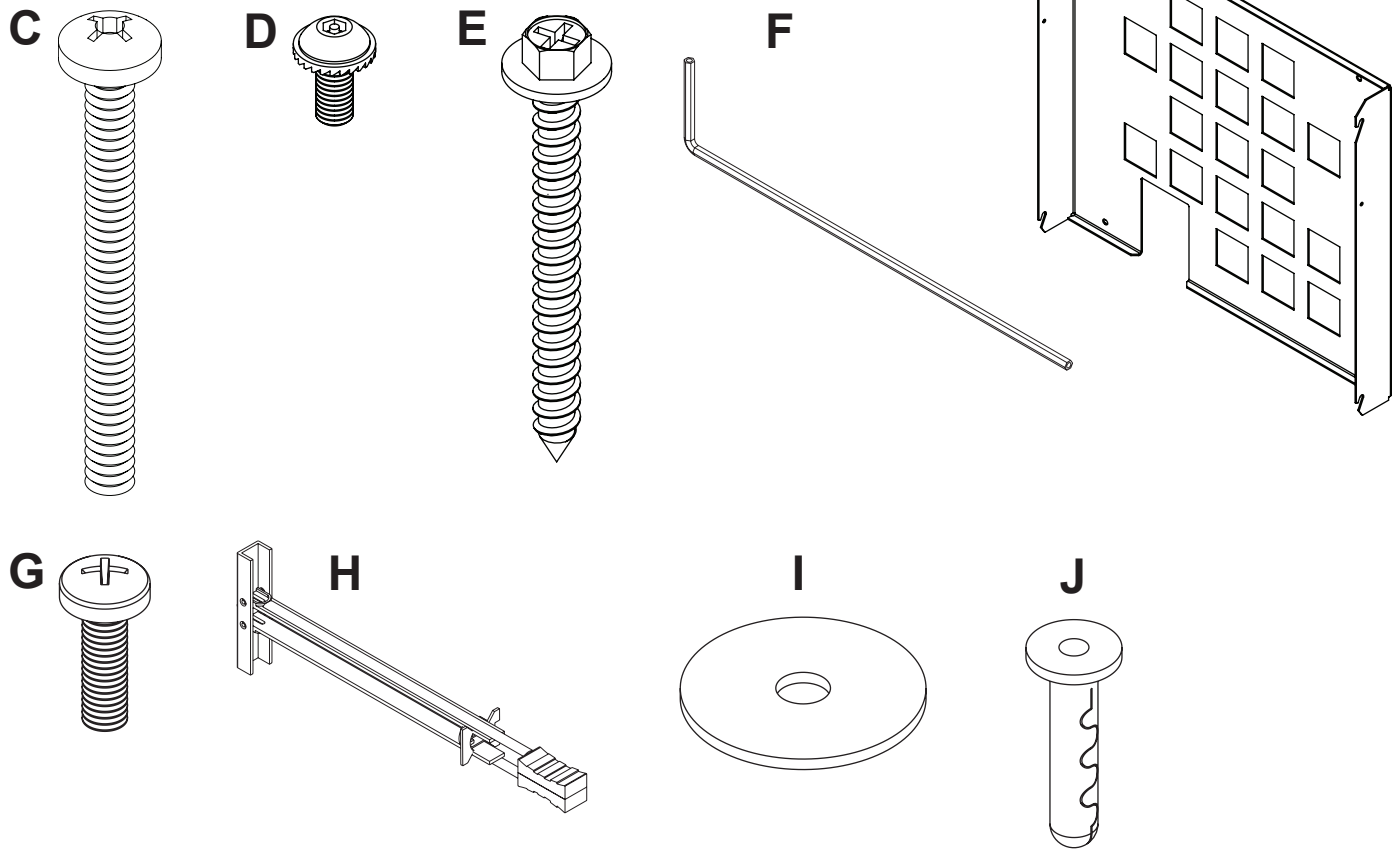
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Before you start make sure all parts listed are included with your product.

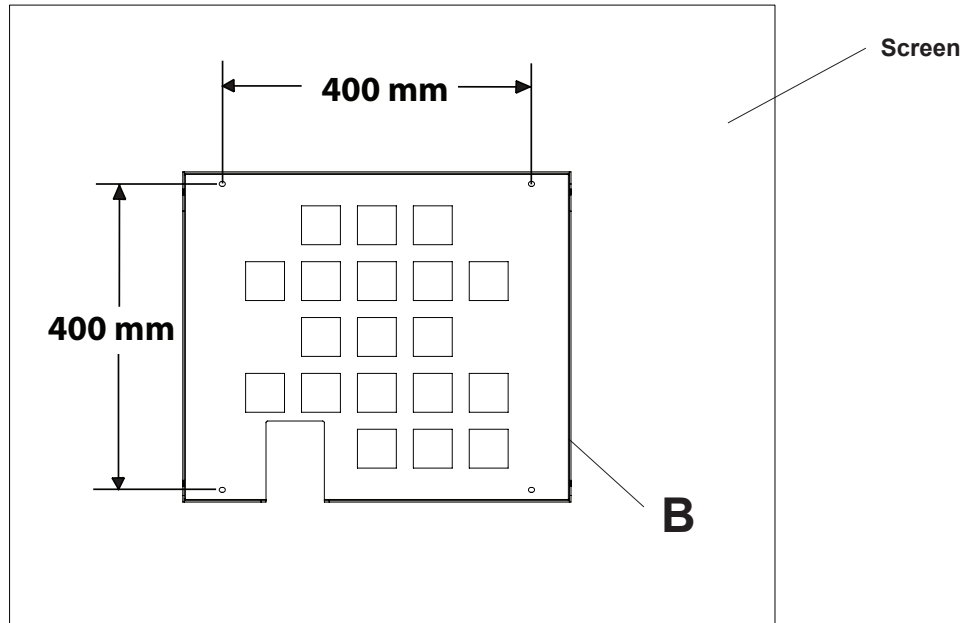
PARTS LIST			
Description		Qty.	Part #
A	wall plate	1	201-1601
B	adapter bracket	1	201-1931
C	1/4 x 2.5 round phillips screw	4	520-9521
D	M5 x 12 mm socket pin serrated washer head screw	6	510-1064
E	#14 x 2.5 wood screw	6	5S1-015-C03
F	4 mm security allen wrench	1	560-1129
G	M8 x 16 mm phillips pan screw	4	520-2051
H	toggler	4	560-9708
I	washer	4	540-1008
J	Alligator® concrete anchor	6	590-0097

Some parts may appear slightly different than illustrated.



Attaching Adapter Bracket to Screen

- 1** Attach adapter bracket (**B**) to back of plasma screen using four M8 x 16 mm phillips screws (**G**).



⚠ WARNING

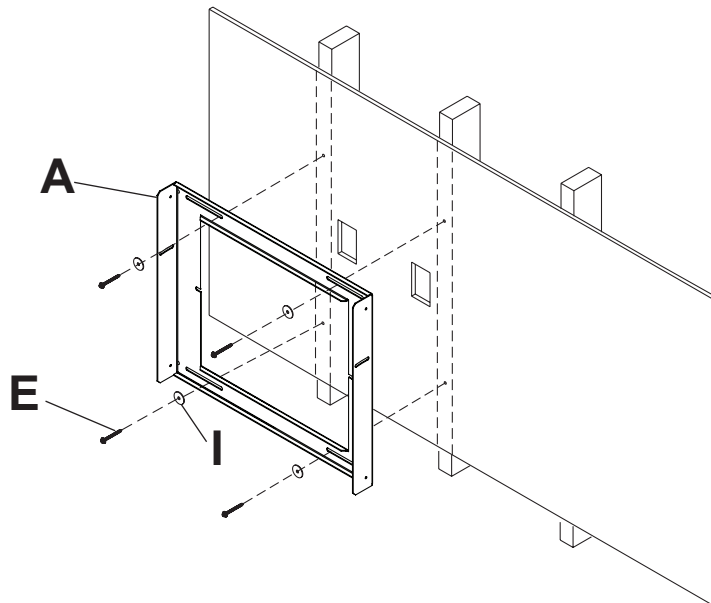
- Do not overtighten. Overtightening may cause permanent damage to the screen. Torque to 26-35 in • lb (30-40 kg • cm).

Installation to Wood Stud Walls

- 2** Use a stud finder to locate center of studs.

For mounting to 16" centers

Using mounting bracket (**A**) as a template, drill four 5/32" (4 mm) dia. holes to a minimum depth of 2.5" (64 mm). Attach mounting bracket (**A**) to centers of wood studs using four #14 x 2.5" wood screws (**E**) and four washers (**I**) as shown below.



Installation to Solid Concrete and Cinder Block Wall

⚠ 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.

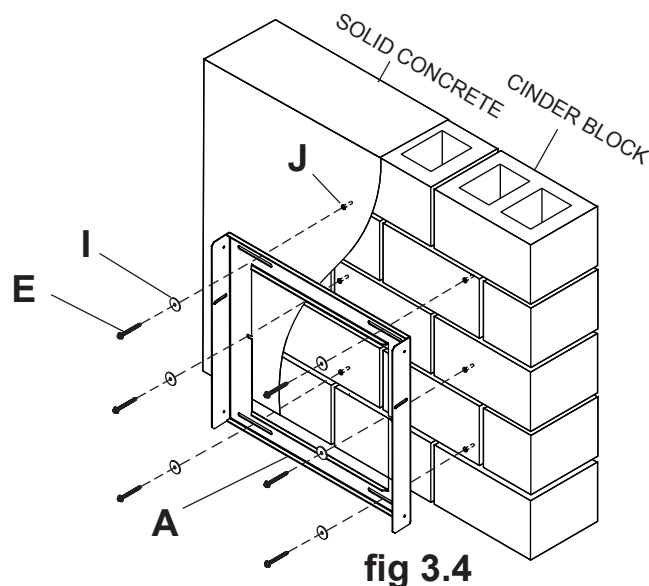
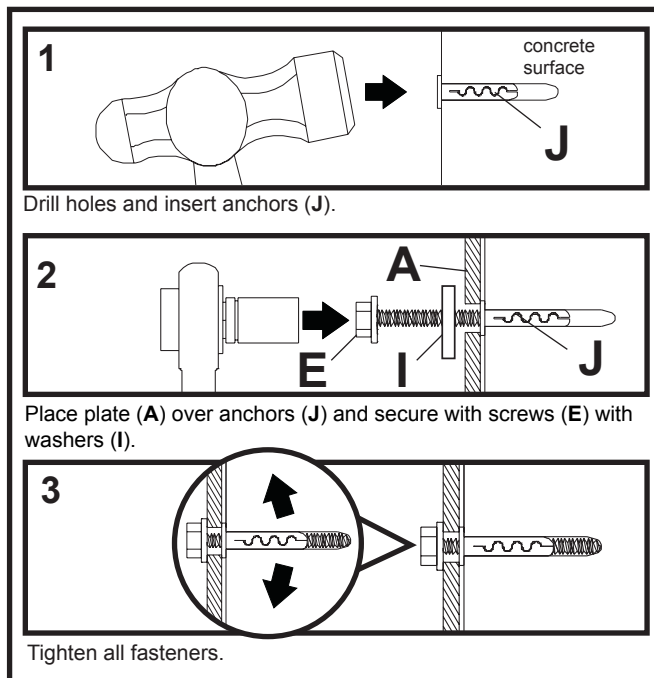
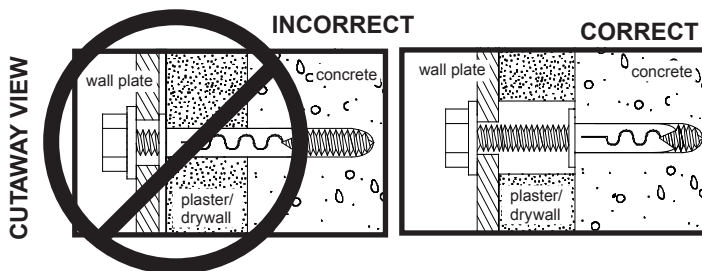
- 3** Position adapter bracket (**A**) at desired position on wall. Use mounting bracket, making sure that it is level, as a template to mark holes. Drill six 1/4" (6 mm) dia. holes to a minimum depth of 2-1/2" (64 mm). Concrete must be 2000 psi density minimum. Insert anchors (**J**) in holes flush with wall as shown in figure 5.3. Place wall mount assembly over anchors and secure with #14 x 2-1/2" (6 mm x 65 mm) wood screws (**E**) and washers (**I**) as shown in figure 3.4. Make sure wall plate is level and tighten all fasteners.

⚠ WARNING

- Tighten wood screws firmly, 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 counter bored 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.



Installation to Metal Stud

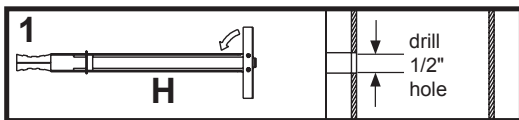
⚠ WARNING

- Product must be mounted through drywall that has a minimum thickness of 1/2" and into metal studs, 26 gauge or heavier.
- Make sure that the wall will safely support the combined load of the equipment and all attached hardware and components.
- Make sure that togglers are anchored into the center of the stud. The use of an "edge to edge" stud finder is highly recommended.

- 3** Using a stud finder, locate and mark the edges of the metal stud used in mounting this product. Use of an edge to edge stud finder is highly recommended. Use a level to draw a level, vertical line down the center of the stud. Level wall plate, and mark the center of the four mounting holes. Make sure that the mounting holes are on the stud center line. Drill four 1/2" holes through drywall and metal studs. **Note:** It may be necessary to drill 5/32" pilot holes prior to drilling 1/2" holes.

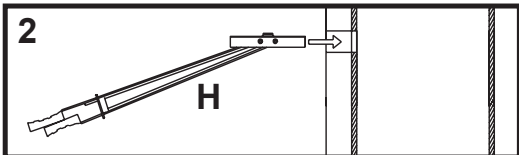
3-1

fig. 1.3



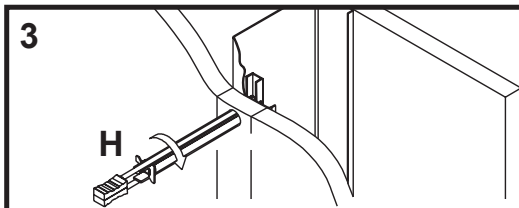
Pivot end of toggler (H).

3-2



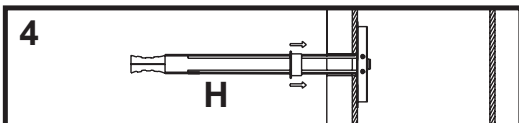
Push into hole.

3-3



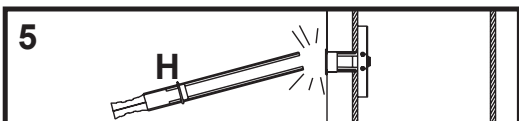
Rotate toggler (H) clockwise to wedge it against inside walls of metal stud.

3-4

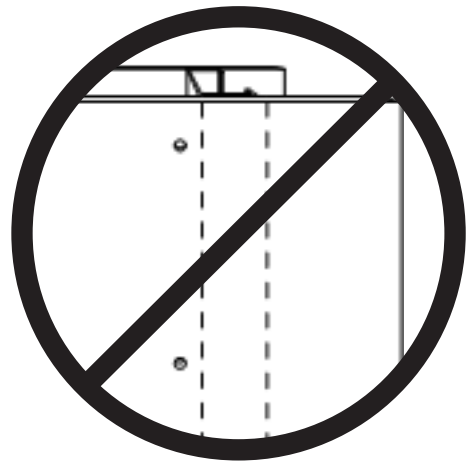


Slide plastic cap forward while pulling back firmly on ring.

3-5

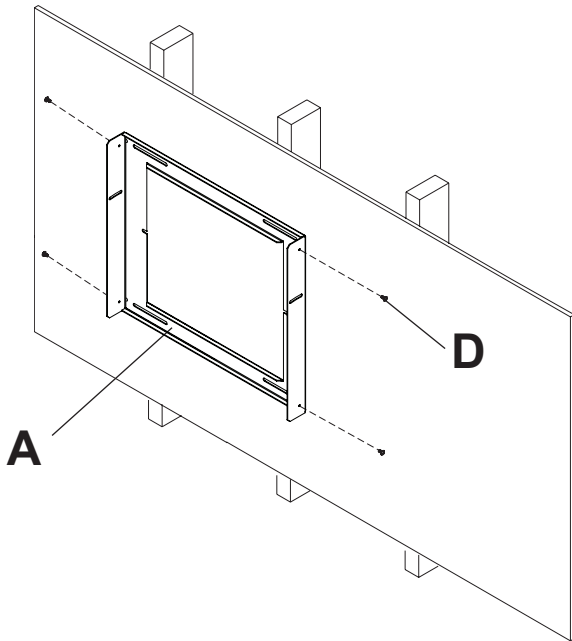


Break off excess.

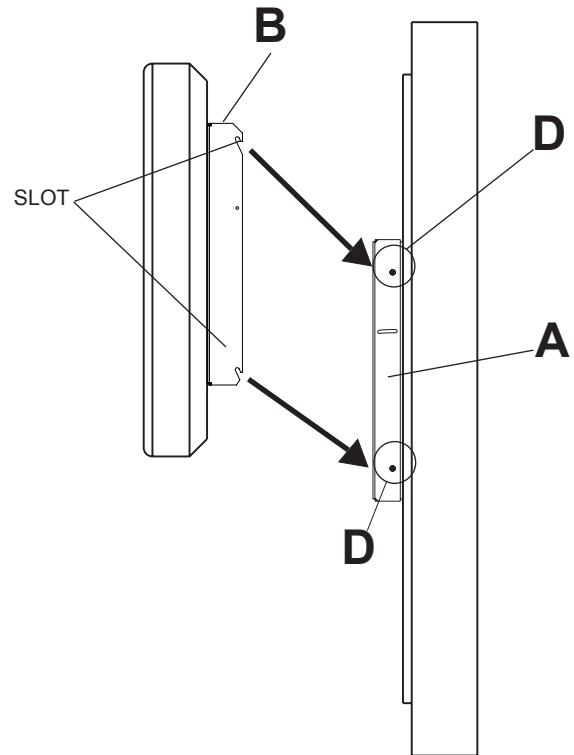


Attaching Mounting Bracket Using Hook On Option

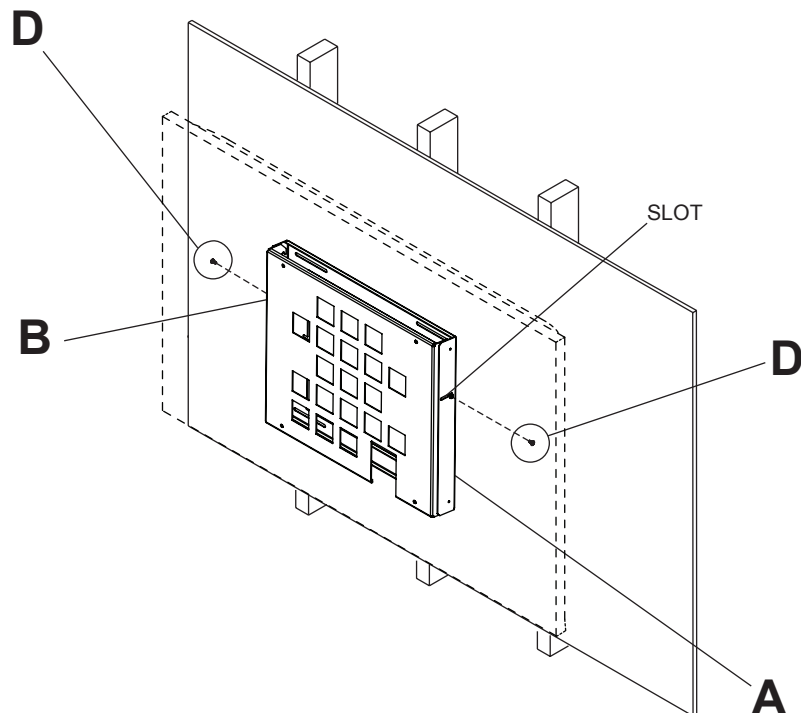
- 7** Attach four M5 x 12 mm serrated washer head socket pin screws (**D**) to the holes on the sides of mounting bracket (**A**) using the 4mm security allen wrench (**F**) provided.



- 7-1** Position slots of adapter brackets (**B**) onto the four M5 x 12 mm serrated washer head socket pin screws (**D**) attached to mounting bracket (**A**).

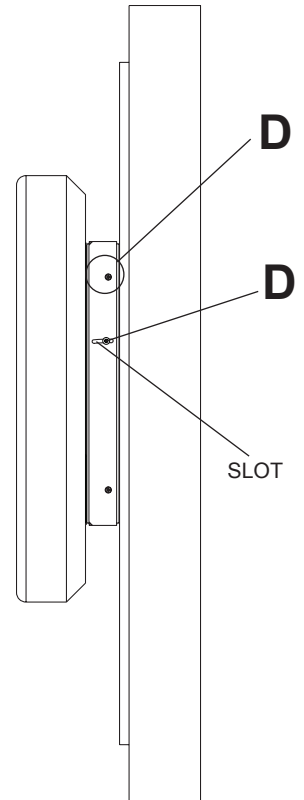
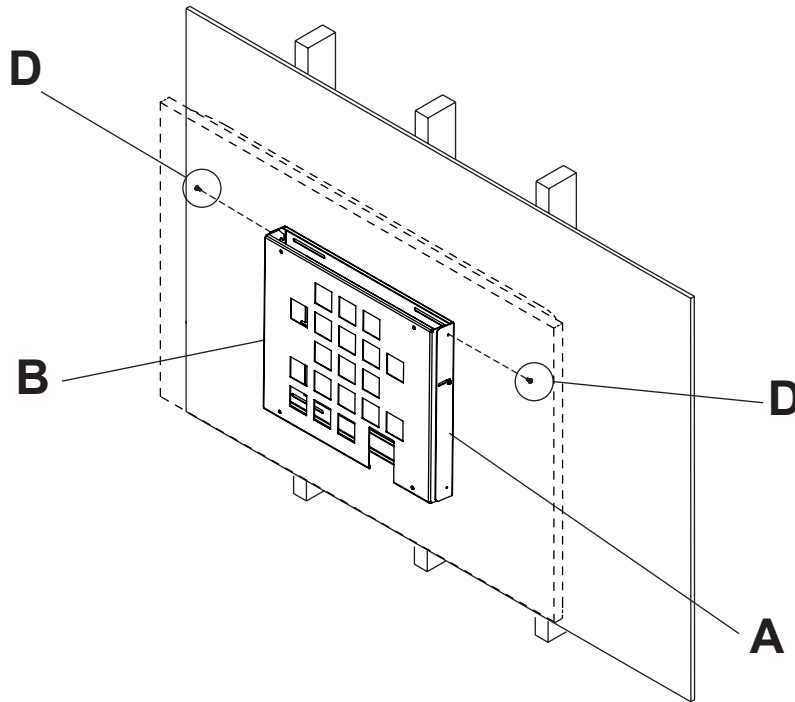


- 7-2** To secure adapter brackets (**B**) to mounting bracket (**A**), attach two M5 x 12 mm serrated washer head socket pin screws (**D**) into the threaded inserts of adapter brackets (**B**), and through the slots on the sides of mounting bracket (**A**). Tighten with the 4 mm security allen wrench (**F**).
For tilt option skip to Step 8



Mounting Bracket Using Tilt Option

- 8** Remove top two M5 x 12 mm socket pin serrated washer head screws (**D**) attached to wall plate (**A**). Loosen two M5 x 12 mm socket pin serrated washer head screws (**D**) in slot as shown in Detail 1. Once desired tilt is established tighten two M5 x 12 mm socket pin serrated washer head screws (**D**) in slots.



Detail 1