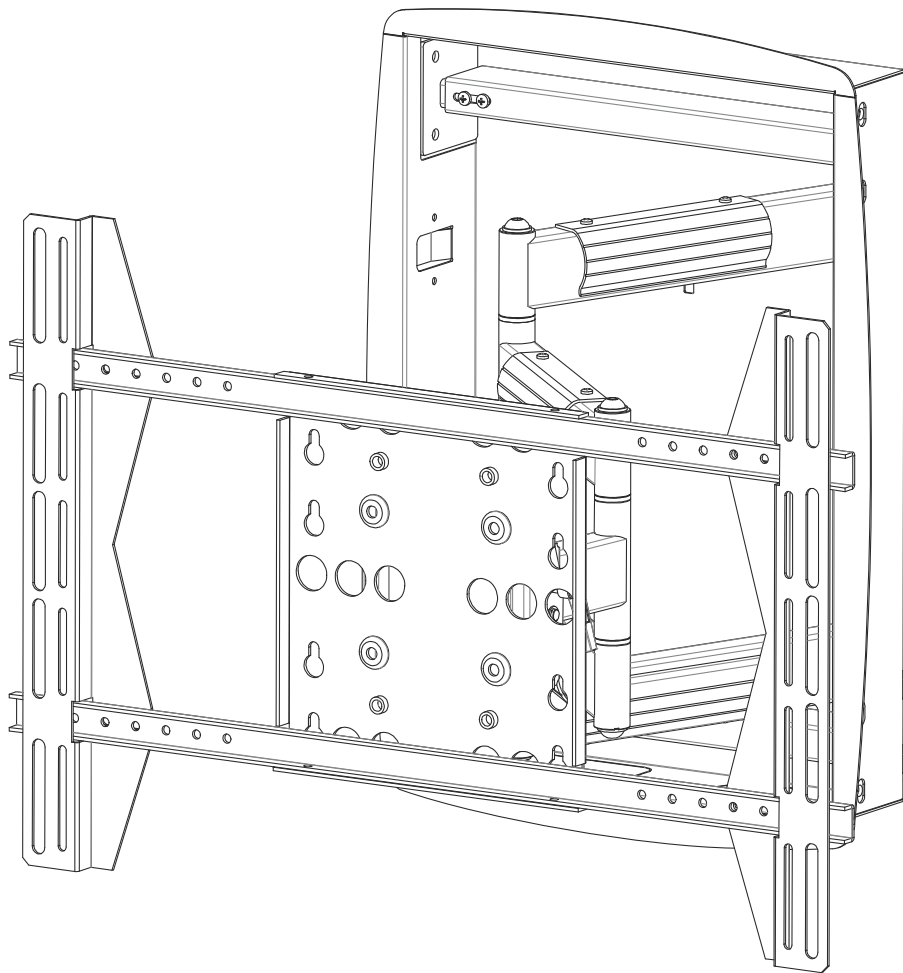


MONOPRICE®

Recessed Adjustable Tilting / Swiveling **Wall Mount Bracket** for LCD LED Plasma



FEATURES:

- Installs between standard 16" (406mm) on-center wood studs
- Fits displays with mounting patterns from 100x100 to 600x400
- +/- 5 degrees rotational adjustment to ensure the display is level
- Accommodates displays weighing up to 200 lbs (90.8 kg)
- Lift and lock system for easy installation
- U-cap system for clean and simple cable management
- The display can be easily tilted up to +15/-5 degrees
- Features three pivot points with up to 180° degrees swivel

WARNING

THE WARRANTY WILL ONLY BE VALID IF YOU FOLLOW THE INSTRUCTIONS CAREFULLY.

Please do not begin installation until you have thoroughly read and understood these instructions. Improper installation may cause serious injury and/or damage. It is recommended that a qualified contractor install the MONOPRICE 10223 RECESSED IN-WALL MOUNT.

Make sure that the wall you plan to use will safely support four times the combined weight of the mounted equipment, including its accessories. Warranty will be voided if the TV Mount is not properly installed to wood studs or masonry.

The MONOPRICE 10223 RECESSED IN-WALL MOUNT supports LED, LCD, and Plasma Flat Panel Displays with a maximum weight of 200 lbs (90.8 kg) and with a VESA mounting hole pattern between 100x100 and 600x400.

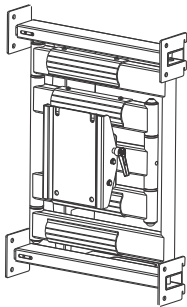
Note that a second person is required to assist with several of these installation steps. Do not begin the installation without having an available assistant for these steps.

Monoprice is not responsible for damage to the mount, any display, or the mounting surface resulting from a failure to properly follow these installation instructions.

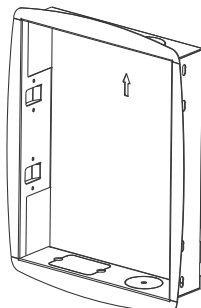
You will need the following tools to perform the installation:

- Stud finder (an "edge to edge" type stud finder is recommended)
- Philips screwdriver
- Pencil
- Hammer Drill (for concrete installations only)
- 5/32" drill bit for wood studs, 5/16" drill bit for concrete
- 3/8" socket wrench or bit driver for wood screws
- Level
- Tape measure

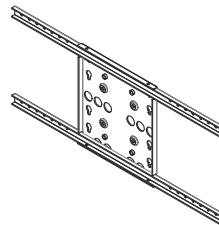
COMPONENT CHECKLIST



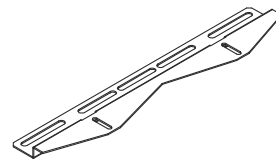
Mount Arm Assy (x1)



In-wall Box (x1)



Adapter plate body (x1)



Adapter Brackets (x2)

BITS BAG



Lag Bolt
6 X 50mm (x10)



Metal washer
diameter 6 (x4)



Socket pan head screw
M8 X 12mm (x4)



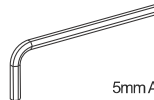
Metal washer
diameter 8 (x4)



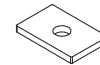
Spacer (x4)



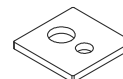
Philips head screw
M6 X 12mm (x4)



5mm Allen Key (x1)

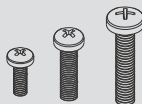


M6 Square nut (x4)



Square washer (x4)

MOUNTING SCREWS



M4 x 12mm (x4 each)
M5 x 16mm (x4 each)
M6 x 16mm (x4 each)

M8 x 16mm (x4 each)
M8 x 35mm (x4 each)

STEP 1 MOUNTING THE IN-WALL BOX

In-wall box must be installed between two 16" on-center wood studs. Use an edge-to-edge type stud finder (Fig.1.1) to locate the edges of the two studs and mark the points with a pencil. Make several readings vertically on each stud then draw a line with the pencil marking the inside edge of each stud.

Decide where you want the center of the box installed. Draw a horizontal line 10.3" (261mm) above the desired center point and another horizontal line 20.6" (522mm) below the first line. The horizontal and vertical lines mark the outline of the box position on the wall.

Note: The in-wall box must be mounted with the arm pivot points on the right side, as shown in Fig 1.2.

Insert the in-wall box into the hole until the flange is flush with the drywall. Use a level to ensure that the box is mounted squarely into the wall and mark the position of the two mounting holes on the mounting tabs. Remove the in-wall box and drill 5/32" (4mm) diameter holes 2" (50.8mm) deep into the studs at the marked locations. Insert the in-wall box back into the hole, level it, and verify that the holes are properly lined up. Secure the box to the wall using the two 6x50 lag bolts/wood screws, as shown in Fig 1.3.

Note:

We recommend against using a drill driver or impact wrench to tighten the bolts. Tighten the lag bolts so that the wall plate is firmly attached to wall, but DO NOT over tighten. The lag bolts can be damaged by over tightening, which will strip their threading and reduce their ability to hold tightly to the stud. The final tightening of the lag bolts should be done by hand using a ratchet wrench and socket.



Fig.1.1

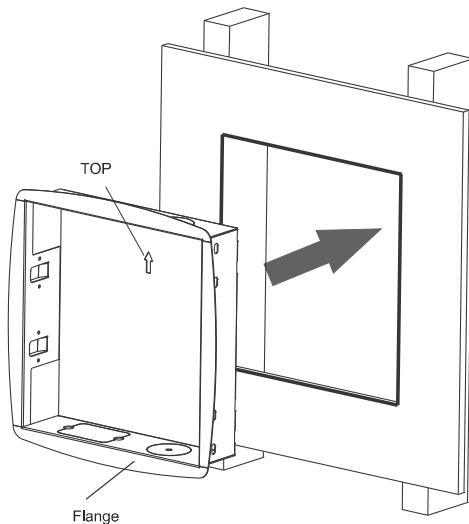
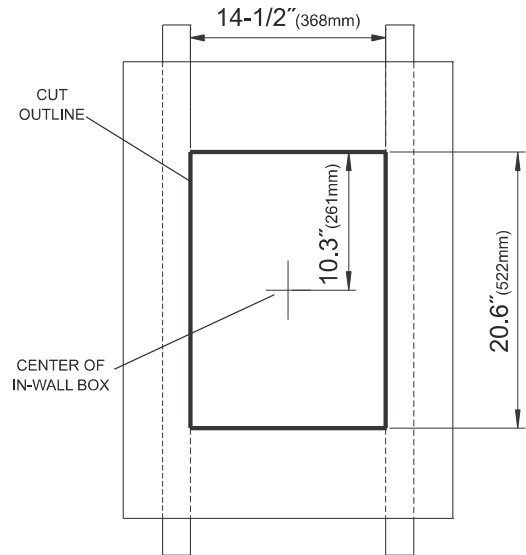


Fig.1.2

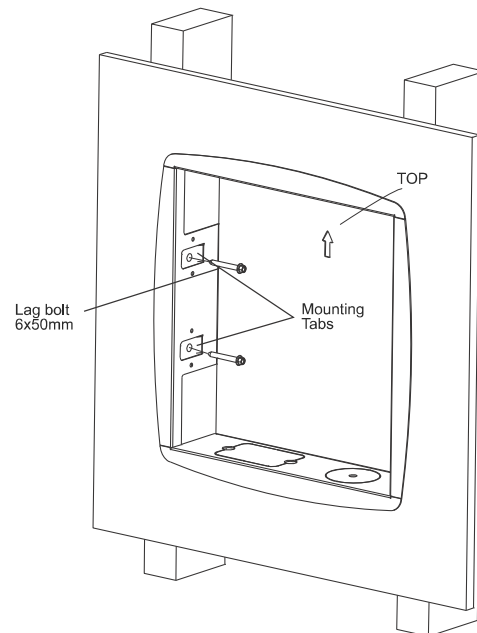


Fig.1.3

STEP 2 INSTALLING THE MOUNT ARM ASSEMBLY

Insert the mount arm assembly into the in-wall box and attach it using the four hanger keys, as shown in Fig 2.1.

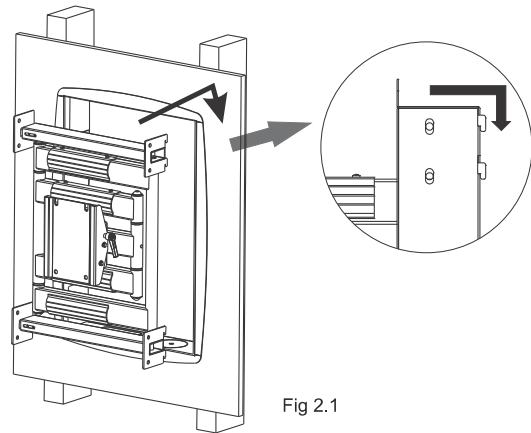


Fig 2.1

Drill eight 5/32" (4mm) holes 2" (50mm) deep into the studs using the interior mounting plate holes of the in-wall box as a guide. Attach the mount arm assembly to the in-wall box using eight 6x50 lag bolt wood screws, as shown in Fig 2.2.

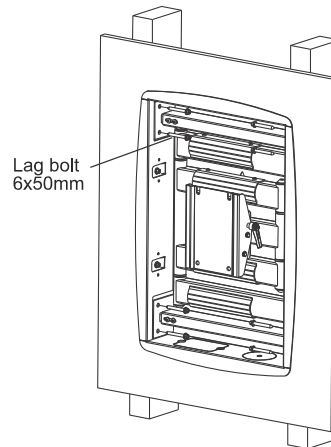


Fig 2.2

Secure the beams with four M4x12 philips head screws, as shown in Fig 2.3.

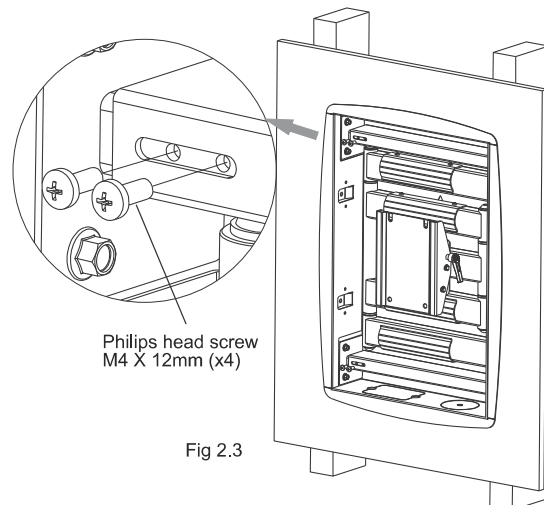
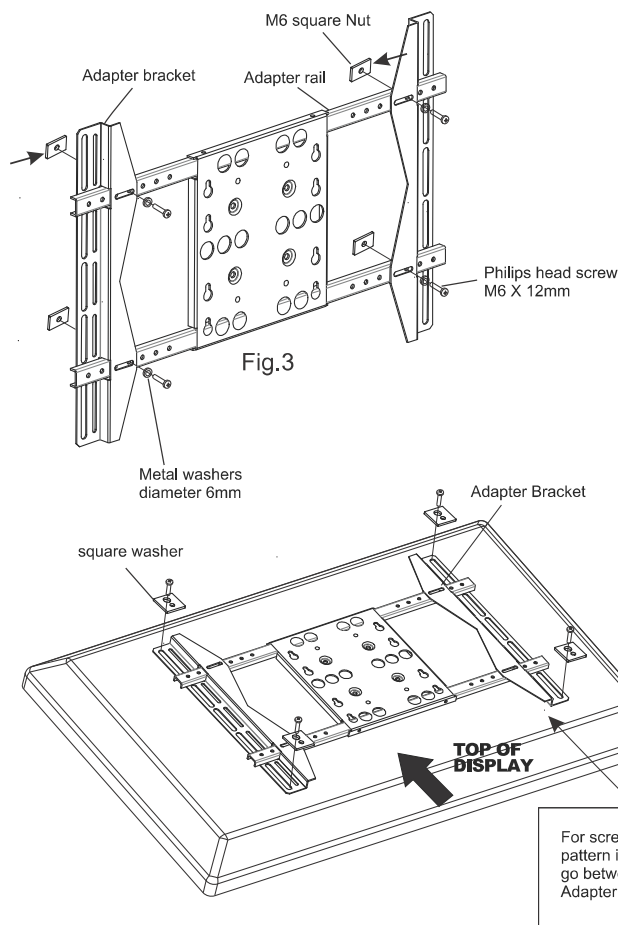


Fig 2.3

Note:

We recommend against using a drill driver or impact wrench to tighten the bolts. Tighten the lag bolts so that the wall plate is firmly attached to wall, but DO NOT over tighten. The lag bolts can be damaged by over tightening, which will strip their threading and reduce their ability to hold tightly to the stud. The final tightening of the lag bolts should be done by hand using a ratchet wrench and socket.

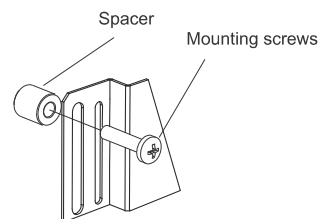
STEP 3 ASSEMBLING THE ADAPTER PLATE



Insert the Adapter Brackets onto the Adapter Rails. Align the Adapter Brackets with the mounting holes on the back of your display to determine the correct securing points on the Adapter Rails for the Adapter Brackets. Attach the Adapter Brackets to the Adapter Rails using four M6x12 philips head screws, four 6mm metal washers, and four M6 square nuts, as shown Fig 3.

Attach the Adapter Brackets to the back of the display using the appropriate mounting screws, washers, and any required spacers, to fit the mounting holes on the back of your display. Once the Adapter Brackets are secured to the display tighten the screws securing the Adapter Brackets to the Adapter Rails.

(For screens with recessed mounting holes use the supplied spacers to ensure that the bracket is mounted firmly to the back of the display.)

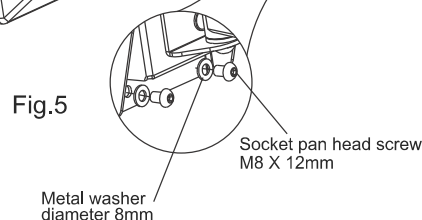
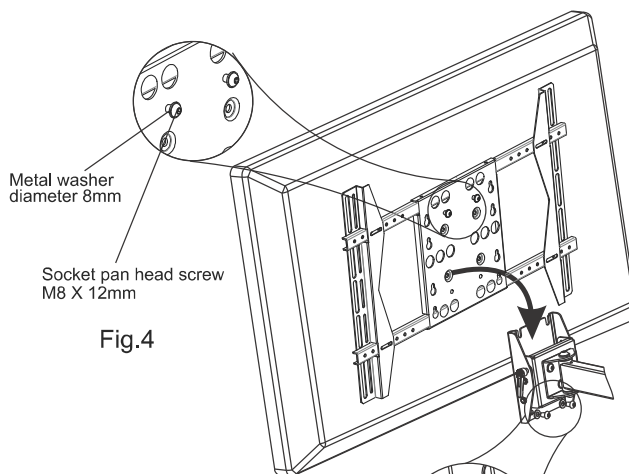


STEP 4 ATTACHING THE DISPLAY ASSEMBLY TO THE MOUNT

Hand thread two M8x12 socket pan head screws with 8mm metal washers into the mounting holes on the Adapter Plate. Leave approximately 3/8" of exposed thread, as shown in Fig 4.

With the help of an assistant, carefully lift the display and position the two socket pan head screws above the mounting points on the head of the mounting arm. Ensure that the washers are between the screw heads and the head of the mounting arm, as shown in Fig 5.

Hand thread the remaining two M8x12 socket pan head screws with 8mm metal washers into the mounting points on the lower side of the mounting arm head, as shown in Fig 5. Tighten all four screws using the supplied hex wrench.



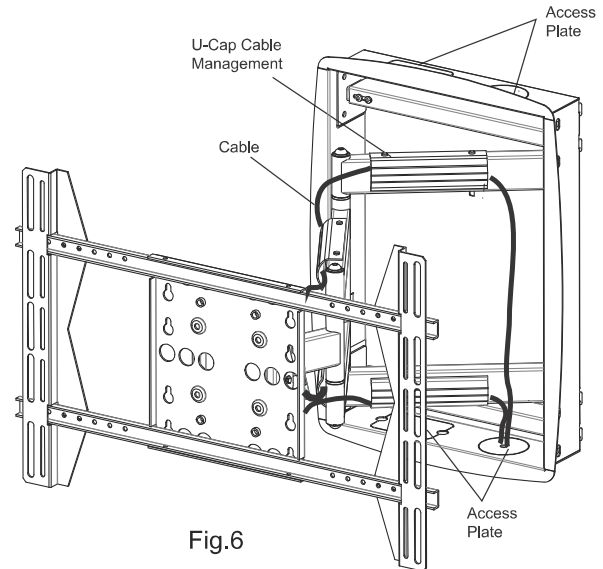
STEP 5 CABLE MANAGEMENT

The mount includes a cable management system, which allows the cables to be routed alongside the extension arms and into the wall through openings in the in-wall box.

Optionally, an electrical gang box can be installed in one of the access plates of the in-wall box, as shown in Fig 6.

Note: To prevent interference the AC power cable should not be routed alongside the audio/video cable(s). Route one cable along the upper part of the arm and the other on the lower part. It is recommended to leave a small amount of slack in the cables to allow for mounting position adjustments.

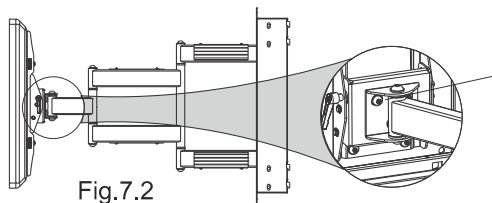
Once all the cables have been routed and secured into place, move the arm in and out, tilt, and swivel the display to ensure that the assembly moves freely, without stretching or pinching the cables.



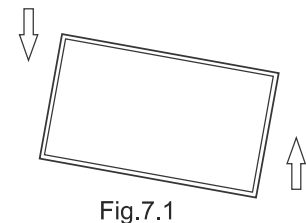
STEP 6 ADJUSTING THE DISPLAY POSITION

The Monoprice 10223 In-Wall Mount features a wide range of adjustments to ensure that your display is positioned exactly as you want it.

Rotational Adjustment - The mount features rotational adjustment to ensure that your display is level at all times. To rotate the display, first loosen the rotational control screw, as shown in Fig 7.2. Next grasp each edge of the display and rotate it to the left or right as needed. Finally, tighten the screw back down to ensure the display remains in place.

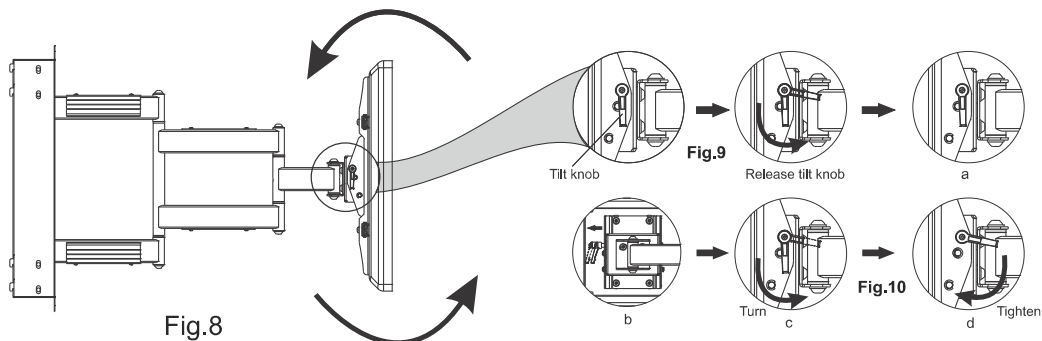


Loosen the screws as shown in Fig. 7.2 to allow roll control adjustment. Tighten screws by hand when finished.



Tilt Adjustment - The display can be tilted up or down as needed to reduce glare or produce a more direct viewing angle. To adjust the tilt first loosen the tilt control knob, as shown in Fig 9. Next, adjust the displays tilt up or down as desired. Finally, lock the display position in place by tightening the tilt control knob.

The tilt control knob includes a ratchet feature, which allows it to be repositioned for easy tension. To operate the ratchet, pull the knob out and rotate it to an unobstructed position, then push it back in to engage the adjustment teeth. See Fig 10 for a demonstration of this operation.



Note: For heavier displays, never loosen the tilt control knob without the assistance of someone to hold the display in place.

Swivel Adjustment - The display can be swiveled horizontally from side to side. The display can be swiveled to about 90 degrees to either side, depending on the display size and the distance from the wall (see Fig 11).

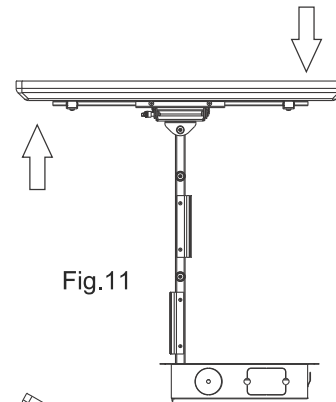


Fig.11

Panning Adjustment - Similar to the swivel action, the display can be positioned horizontally from side to side using the mounting arm swivel points, as shown in Fig 12.

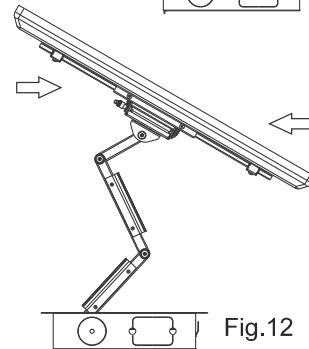


Fig.12

Extension Adjustment - The display can be extended out away from the or retracted back until it is flush with the wall again. Simply grasp each side of the display and pull or push as needed to position the display exactly where you want it.

Note: When extending or retracting the mount, take care to ensure that the cables are not stretched or pinched.

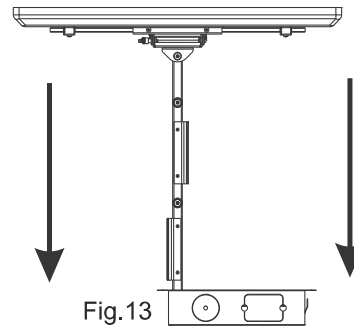


Fig.13

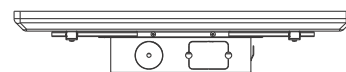


Fig.14

Maintaining the Monoprice 10223 In-Wall Mount

The arm assembly can be cleaned with a soft sponge and a mild soap solution. When cleaning the mount be careful not to get moisture on or in the display or in contact with any electrical connections.