

INSTALLATION GUIDE

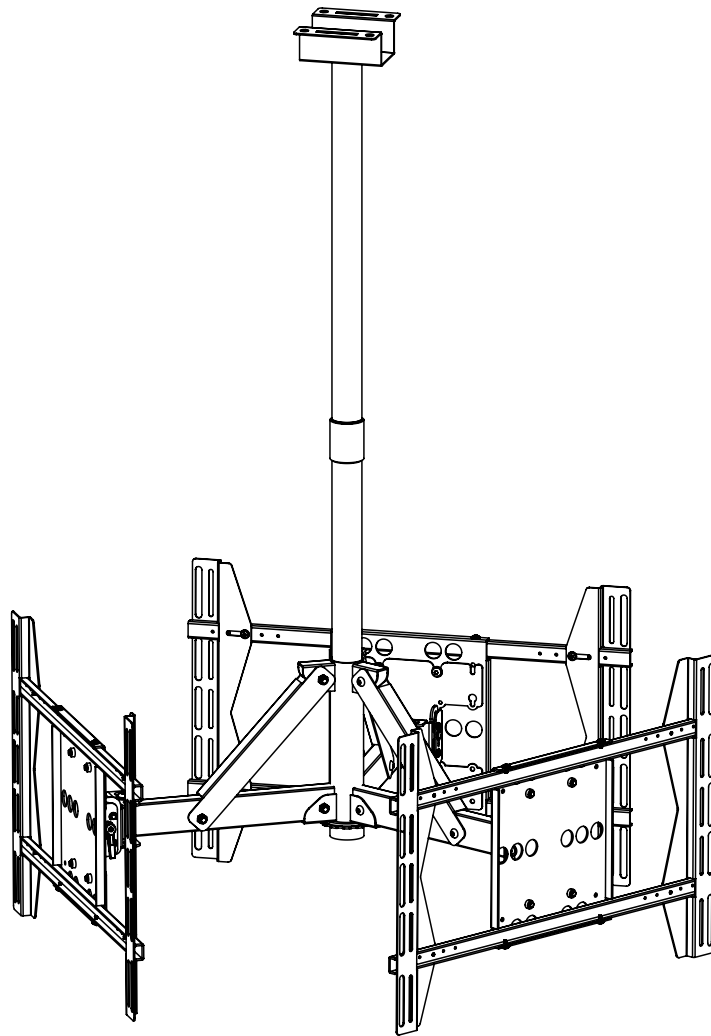
Ceiling TV Mount

TMO-CEM-005

Support 32" to 60" Screens

Max Load Capacity: 300 lbs (136kg)

VESA 400x600 compatible

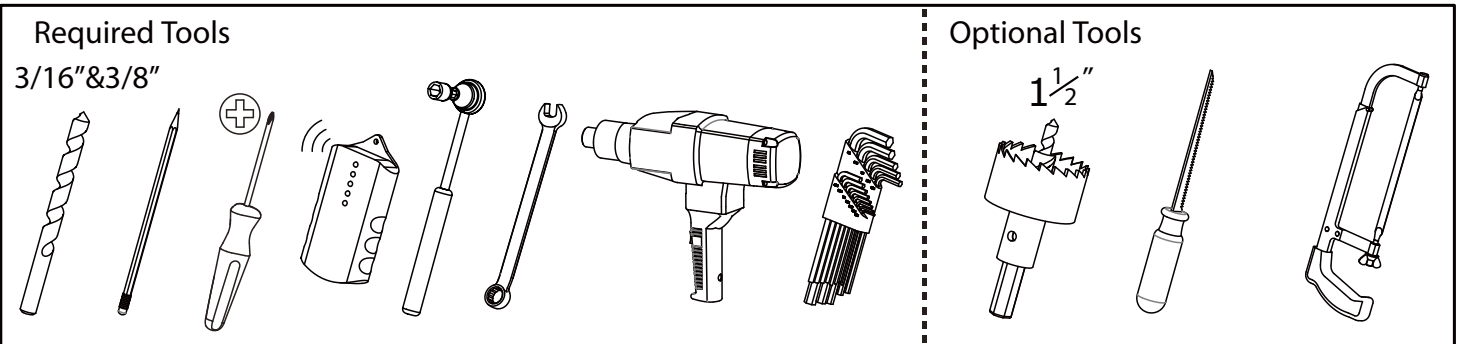


Note: Read entire instruction sheet before you start installation and assembly.

⚠ WARNING

- Be sure to read this entire manual thoroughly and you fully understand all the instructions and warning before attempting to begin your installation.
- This product should only be installed by someone who has a basic knowledge of buiding construction,in stallations and fully understands these instructions.
- Make sure that the supporting surface will safely support the combined load of the mount, the display and all attached hardware and components.
- The maximum load capacity is 125 pounds.
- If mounting to a wall of wood stud construction, be sure that mounting bolts are anchored to the center of the studs.
- Always have someone assist you to lift and position your equipment.
- Tighten screws and bolts firmly, but do not over tighten. Over tightening can damage the items and greatly reduce their ability to hold. Please refer to suggested torque values where applicable in these instructions.

Tools Needed for Assembly



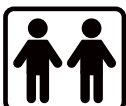
Before you begin, please verify that all components are included and undamaged. If any parts are missing or damaged, contact ceiling TV mounts. Never proceed with missing or damaged parts!

Lay out all components and make sure you identify that each one has a match in the diagram. Some of the parts included will not be used during installation. Do not proceed if you do not understand and identify all of the components.

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⚠ WARNING



Bracket installation need two people together to complete.

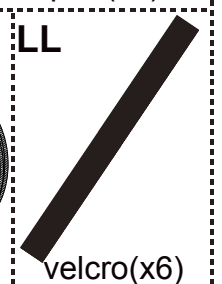
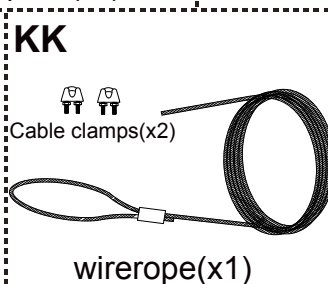
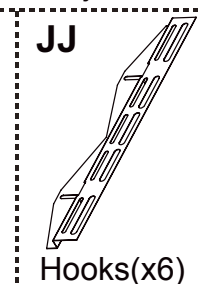
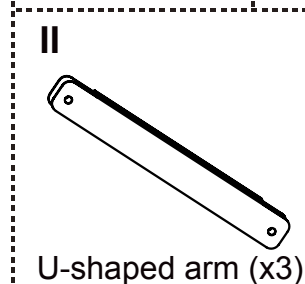
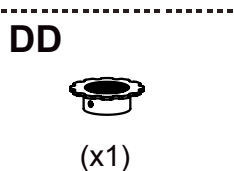
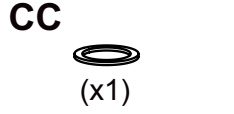
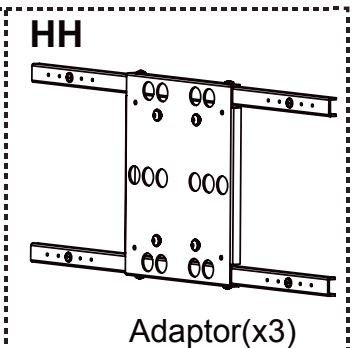
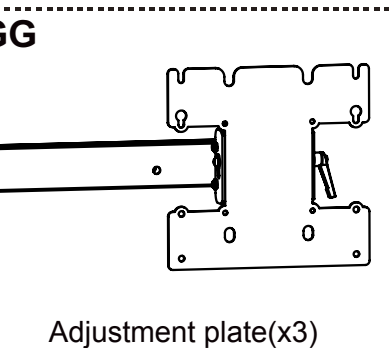
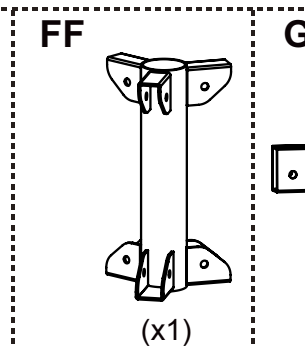
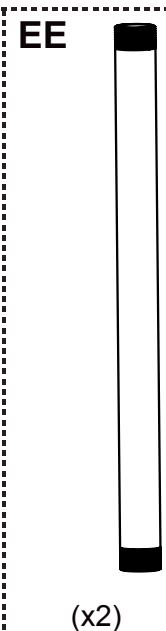
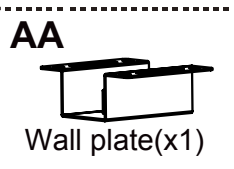
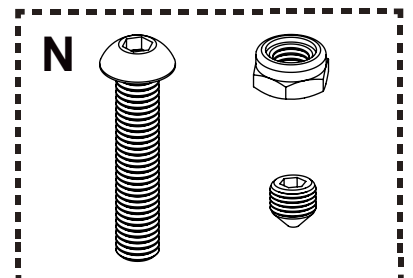
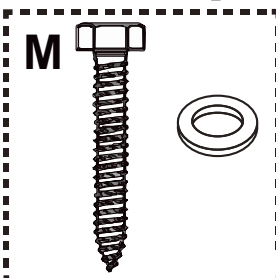
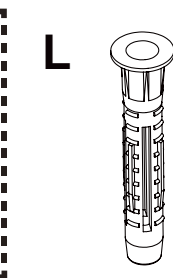
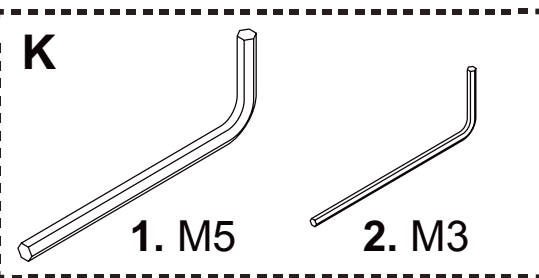
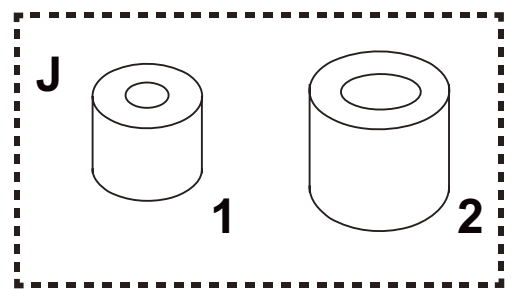
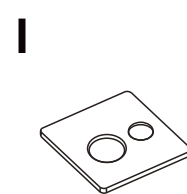
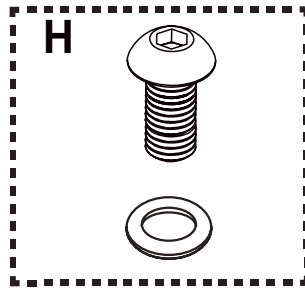
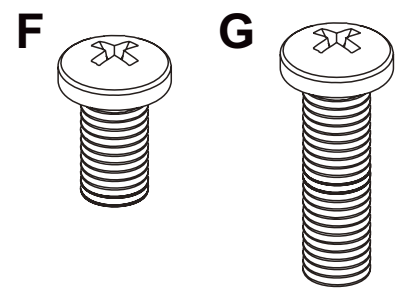
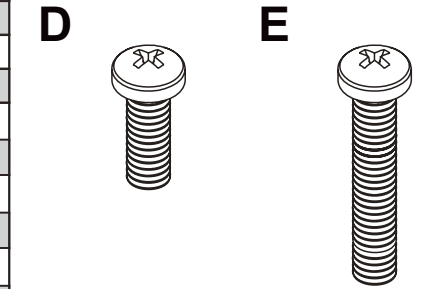
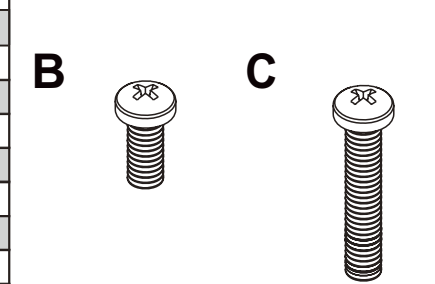
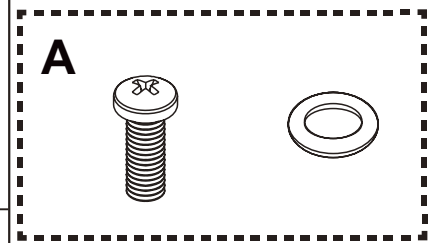
Before you begin, make sure all parts shown are included with your product.

Parts may appear slightly different than illustrated.

Parts List

Description

A	cross pan head screw / Iron spacer	12	M6x12 / Ø6xØ13x1.2
B	cross pan head screw	12	M5x12
C	cross pan head screw	12	M5x25
D	cross pan head screw	12	M6x12
E	cross pan head screw	12	M6x25
F	cross pan head screw	12	M8x12
G	cross pan head screw	12	M8x25
H	large oval hexagon socket cap screw	12	M8x15
	Iron spacer	12	Ø8.2x1.5xØ16
I	square spacer	12	25.65x25.65x2.5
J	spacer (1, 2)	12	Ø12.7xØ6.0x12.7/Ø19xØ8.2x19.6
K	wrench(1, 2)	1	M5 / M3
L	expansion tube	4	M10x61
M	hexagonal	4	M8x63.5
	Iron spacer	4	Ø8.2x2.0xØ16
N	set screws	4	M6x4
	large oval hexagon socket cap screw	9	M8x40
	Hexagon nuts	9	M8

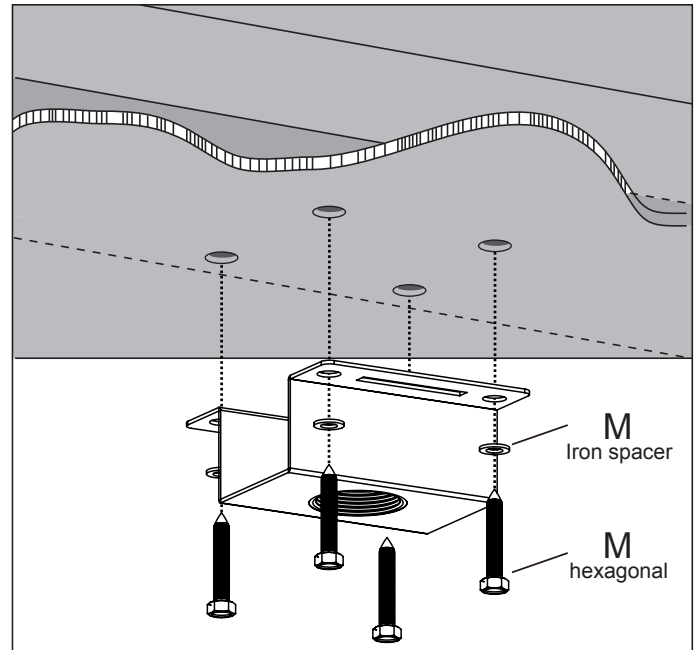


Install wall plate to Wood Joist Finished Ceilings, Exposed Wood Joists, or Wood Beam Ceilings

- 1 Drill four 3/16" (5 mm) dia. holes to a minimum depth of 2.28" (58 mm). Attach ceiling plate with 4 hexagonal screws M8x63.5 (M) as shown using 1/2" (13mm) socket wrench. Tighten wood screws (M) so ceiling plate is firmly attached.

⚠ WARNING

- Tighten wood screws so that ceiling plate is firmly attached, but do not overtighten. Overtightening can damage the screws, greatly reducing their holding power.
- Make sure that mounting screws are anchored into the center of the joist. The use of an "edge to edge" stud finder is highly recommended.



Install wall plate to Concrete Ceilings

- 1 Drill four 3/8" (10 mm) dia. holes to a minimum depth of 2.75" (70 mm). Attach ceiling plate using four concrete anchors (L) and M8x63.5 hex bolt screws (M) as shown in Illustration A and 1, 2, and 3 (below). Tighten all fasteners.

⚠ WARNING

- Tighten wood screws firmly, but do not overtighten. Overtightening can damage the bolt, greatly reducing its holding power.

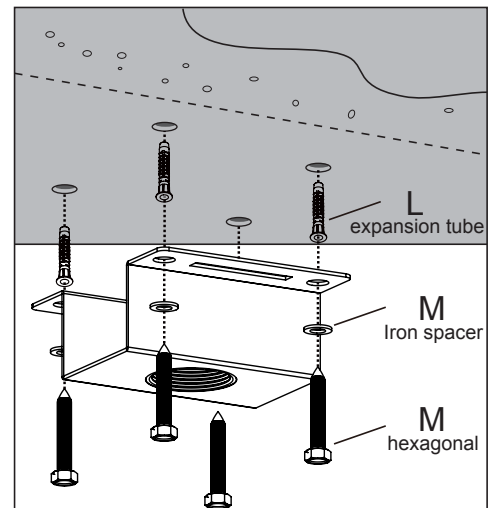
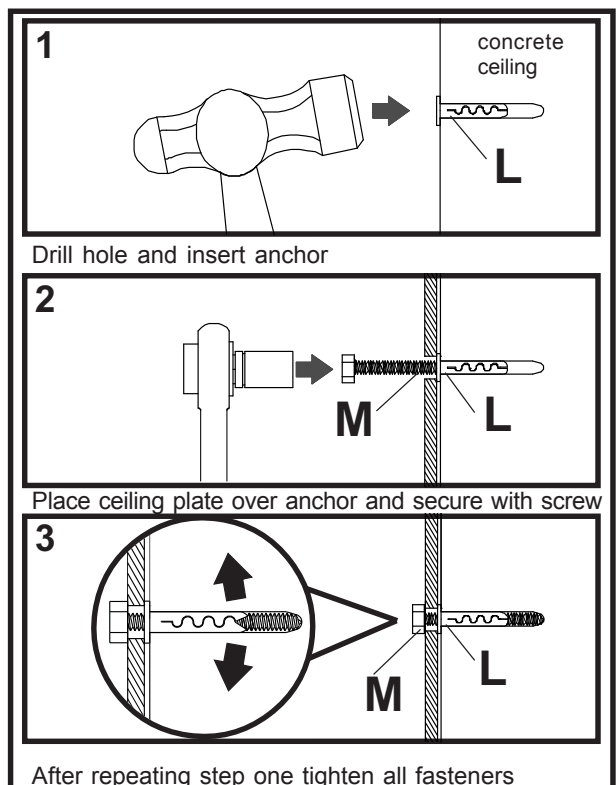
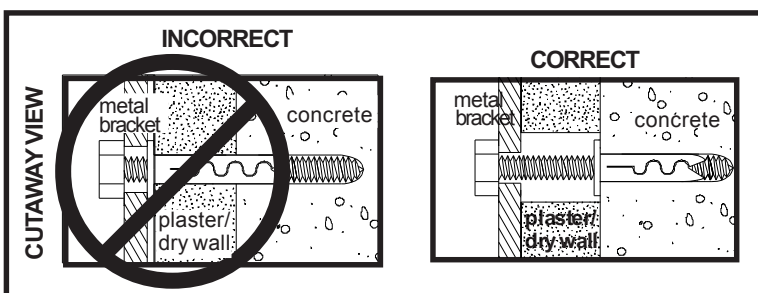


Illustration A

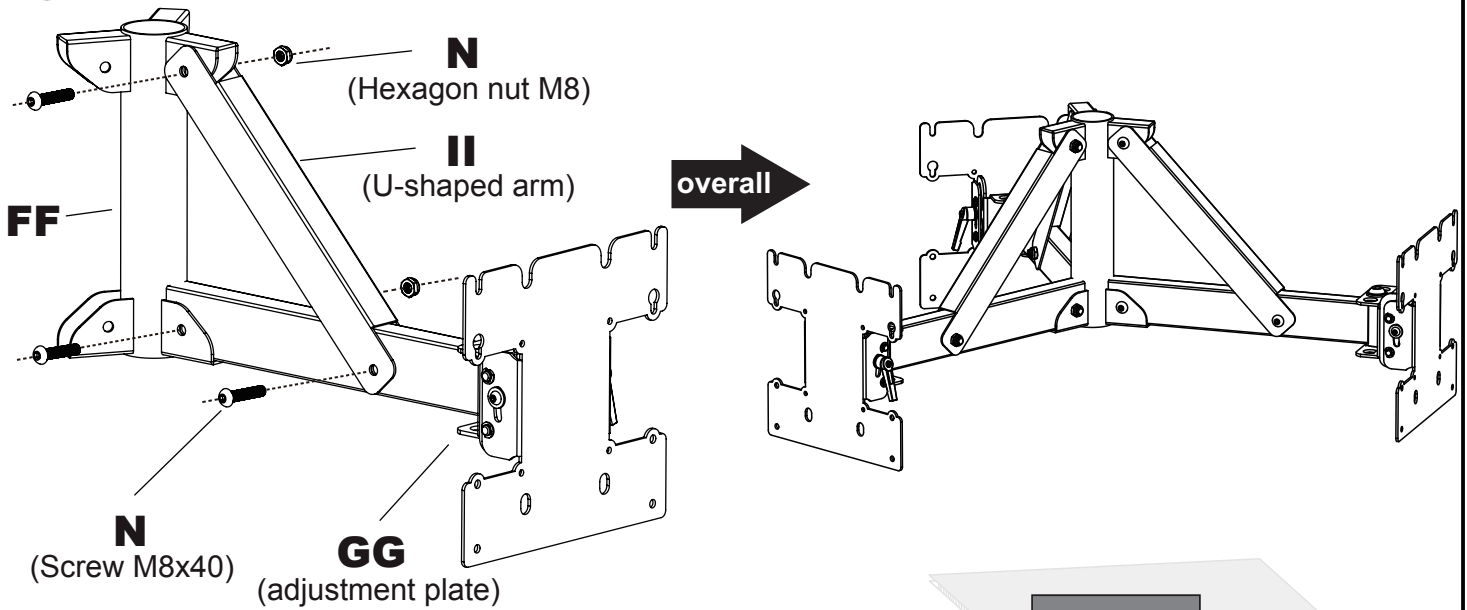
⚠ WARNING

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



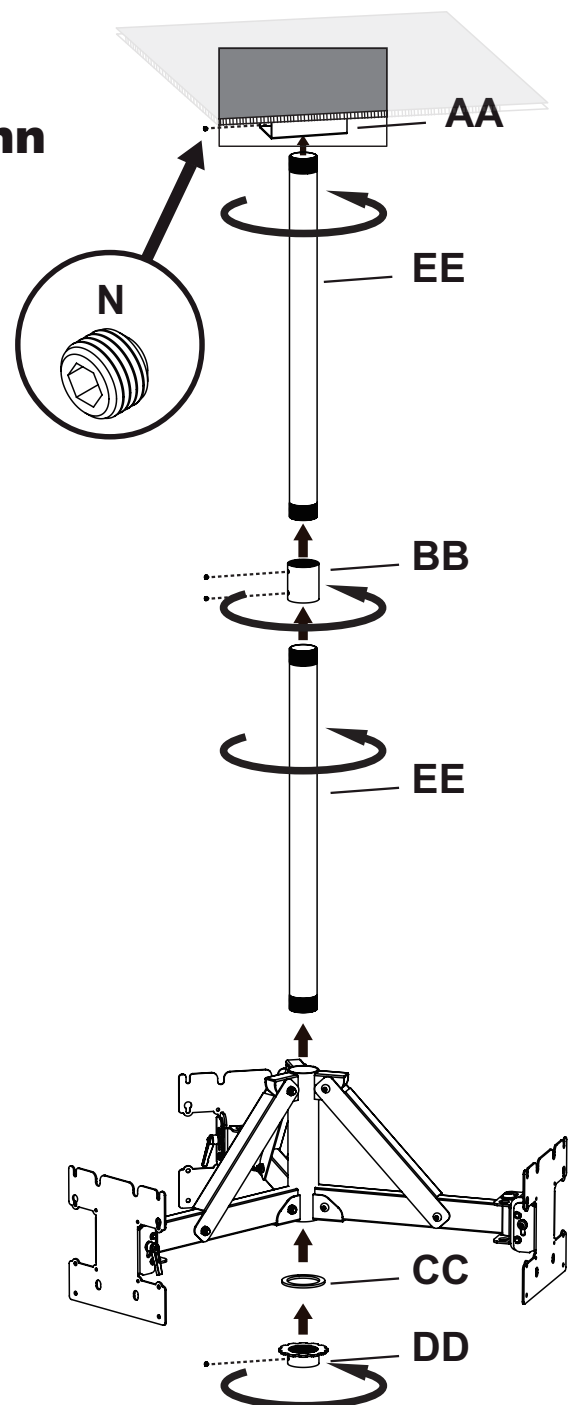
Installation of adjustment plate

- 2** Take out the parts (N/FF/II/GG) from the packaging, install the parts as shown on the pictures below.



Installation of Extension Column

- 3** Attach threaded end of adjuster tube (EE) to threaded fitting in ceiling plate. Tighten securely aligning slot in end of adjuster tube (EE) with one of the holes in the side of threaded fitting. Insert and tighten one M6 x 4 mm allen cap screw (N) to lock adjuster tube (EE) to threaded fitting.



⚠ WARNING

- Installer must verify that the ceiling will safely support the combined weight of all attached equipment and hardware.

- 4** Slide extension pipe (BB) over adjuster tube (EE) to the desired height. Attach with one M6 x 4 mm allen cap screw (N).

Slide extension pipe (EE) over adjuster tube (BB) to the desired height. Attach with one M6 x 4 mm allen cap screw (N).

Attach threaded end of adjuster tube (DD) to threaded fitting in (DD) and lock nut (N).

⚠ WARNING

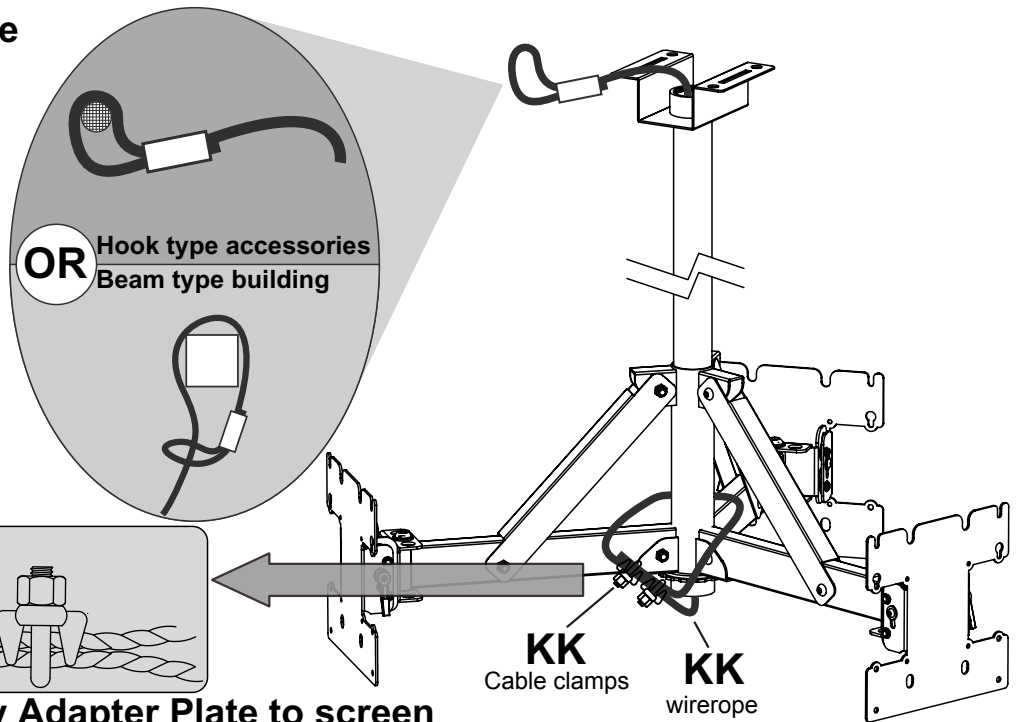
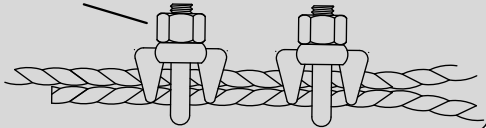
- All Adjuster tube must be fully threaded (six or seven full turns) onto the adjacent receptor and then locked with screw (N).

Reinforced with wire rope

- 5** We provide a wire rope as a support of protective measures, please according to the need to cut wire rope length, the required accessories, according to the specific installation environment to buy, please choose installation according to the installation environment.

OR Hook type accessories
Beam type building

Using a wrench to lock



Mounting the Assembly Adapter Plate to screen

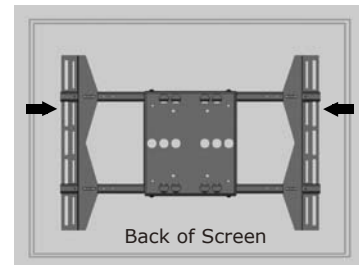
Modify the Adapter Plate

6 Adaptor Modify the Assembled Adapter Plate

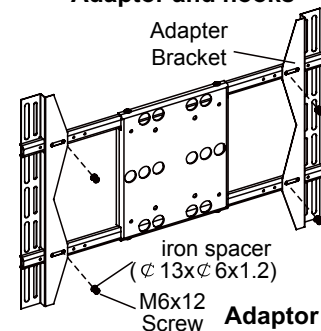
Slide the adapter brackets into Assembled adapter plate slightly. Place the Assembled Adapter Plate on the back of the display with one Adapter Bracket aligned with a set of vertical mounting holes. Then, slide the other Adapter Bracket in or out until it aligns with the second set of vertical mounting holes. The Adapter should be horizontally centered on the back of the flat panel display.

Adaptor and hooks Use four M6x12(A) screws and four iron spacer(A) and tighten it with Phillips Head Screw Driver.

NOTE: There are five positions to choose. Moves the Adaptor Bracket and uses the appropriate positions.

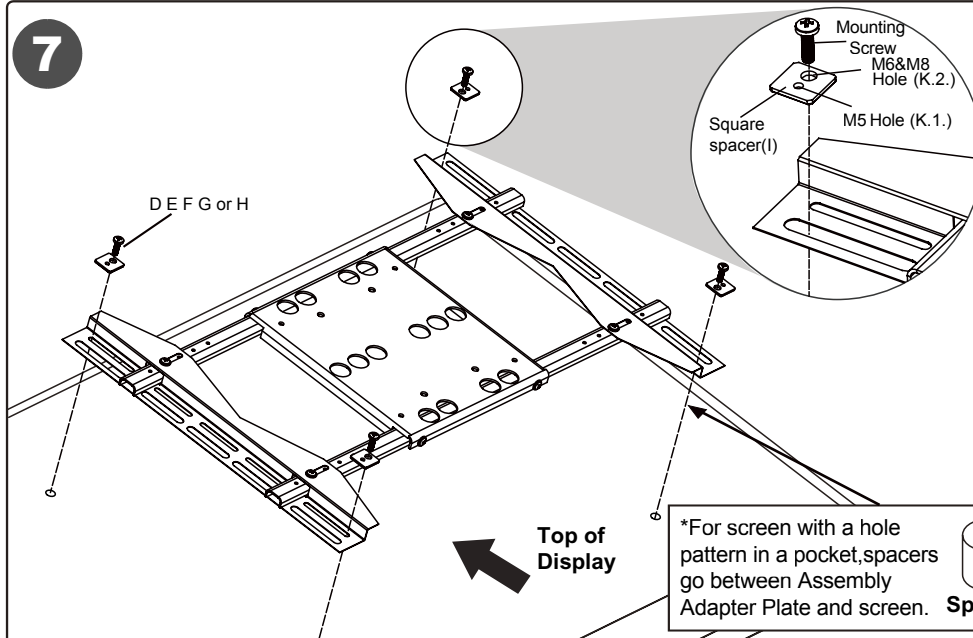


Adaptor and hooks



Adaptor and hooks

7



Note:

Recessed Mounting Holes.

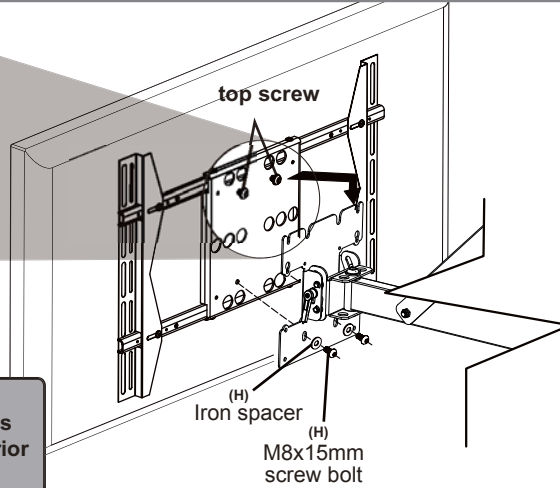
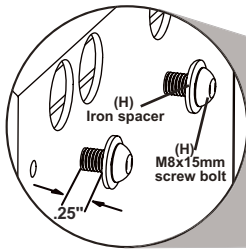
If the mounting holes are recessed into the back of the display, use the supplied spacers to pack the recessed hole. If the mounting screw is M5, use the Spacers 1.(K.1.) If the mounting screw is M6 or M8, use the Spacers 2.(K.2.) Ensure that the brackets are securely fixed to the display.

*For screen with a hole pattern in a pocket, spacers go between Assembly Adapter Plate and screen.



Spacers

Attach Assembly Adapter Plate to Assembly Arm



NOTE: This procedure will require two persons. Ensure that the arm is set to its maximum negative tilt prior to attaching the display.

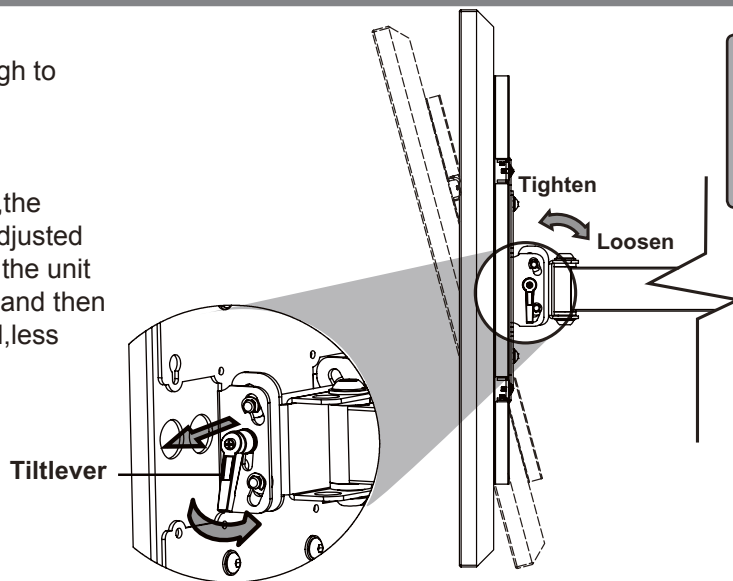
1. Insert two M8x15mm screw bolt and two metal washers into swivel box on Assembly Adapter Plate as above shown. Leave approx. 1/4" of exposed thread.

2. Lift the display and hook it over the mounting head by lowering the exposed portion of the top screws down the open key slots.

3. Once in position, attach the bottom two M8x15mm screws and two Iron washers to secure the display to the mounting head using M5mm Allen Wrench.

Tilt Adjustment

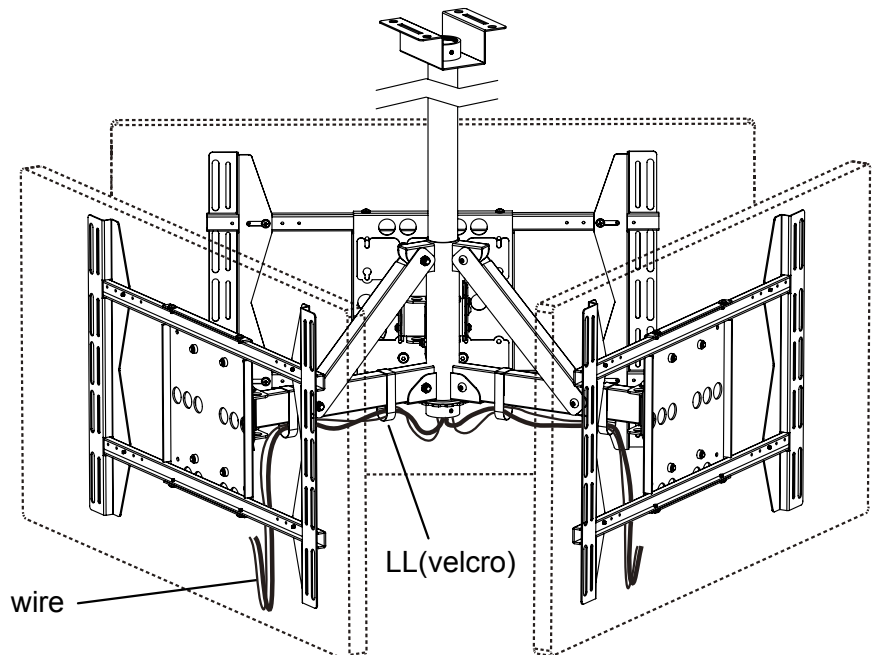
1. Loosen Tilt levers (Only enough to allow controlled adjustment)
2. Adjust Tilt
3. Lock Tilt Levers (Tighten)
4. Once Tilt Levers are locked, the position of the levers can be adjusted without loosening or tightening the unit by pulling the levers outwards and then repositioning them to a vertical, less obtrusive position.



WARNING: Before removing your display, ensure the display has a negative Tilt and Tilt Lever is LOCKED!

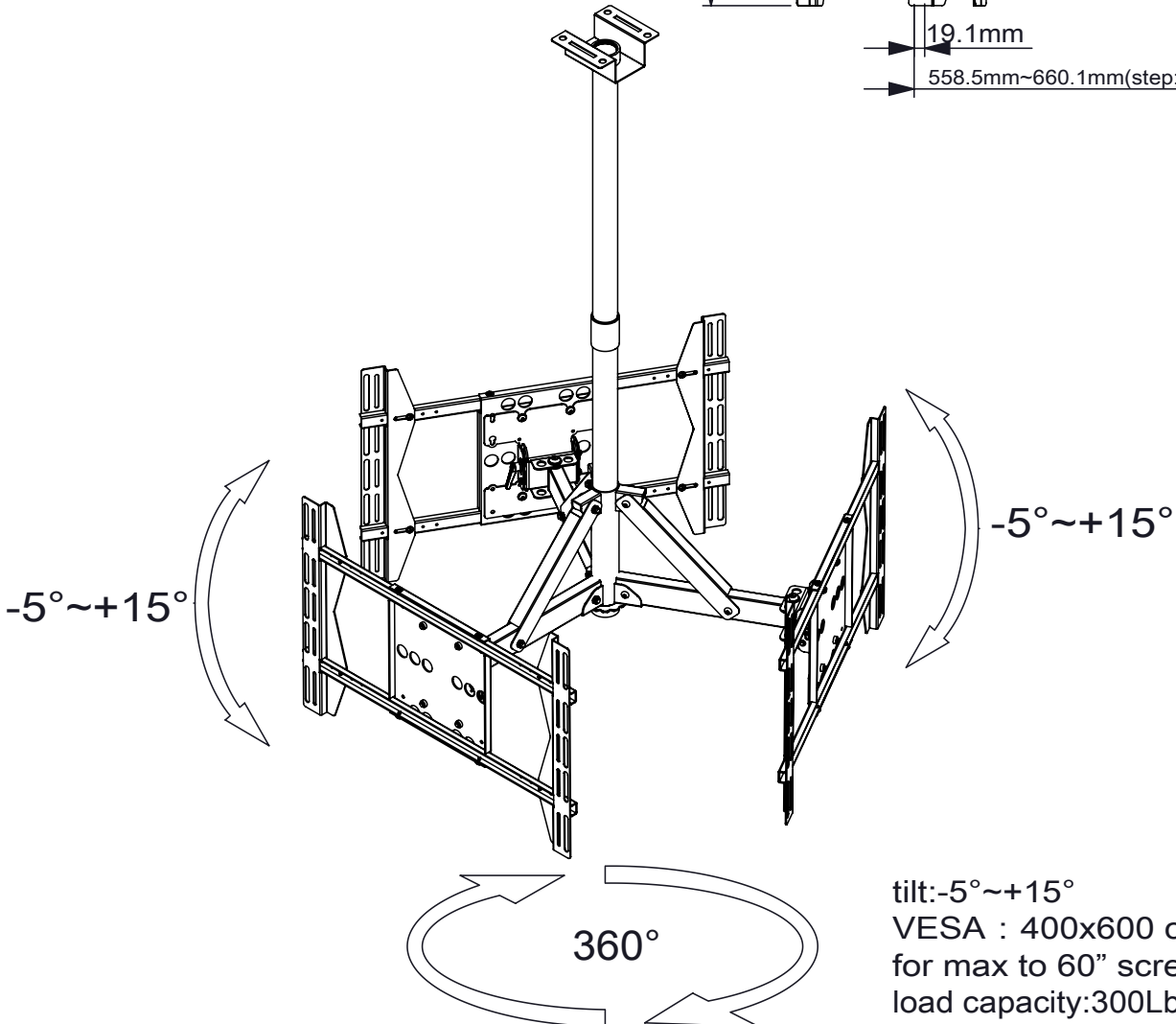
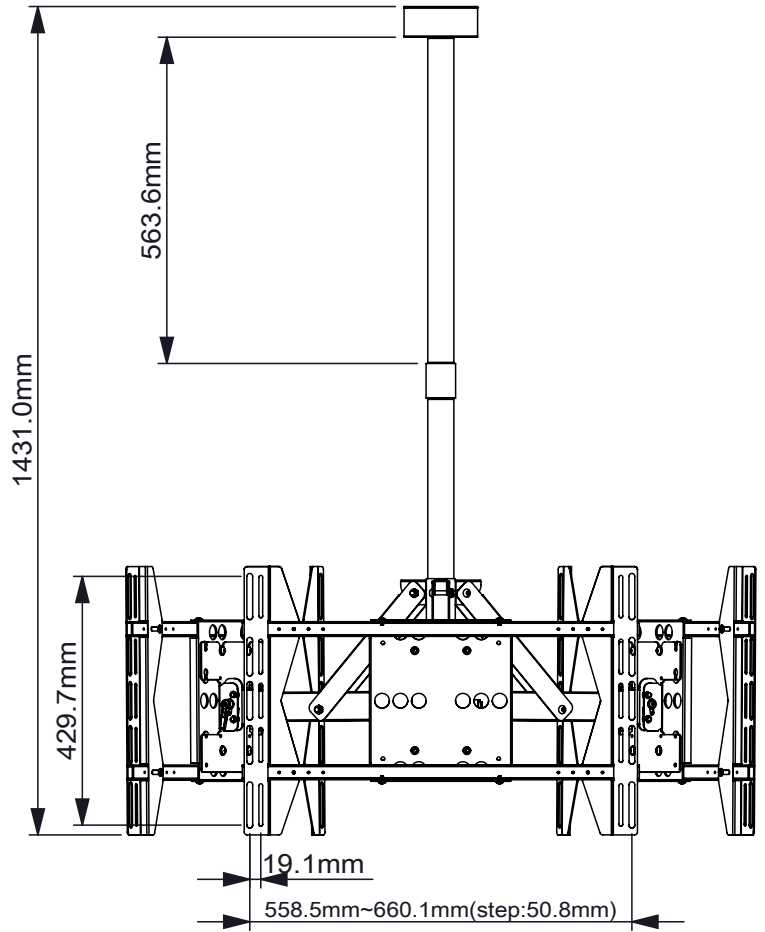
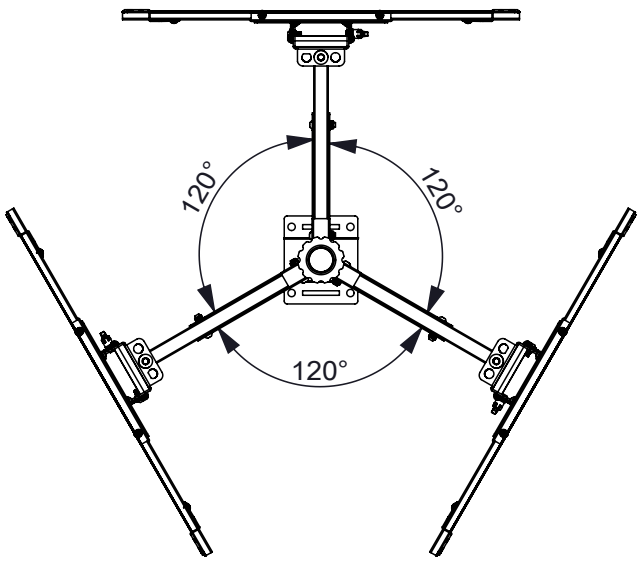
Wire processing

Install the velcros as shown.



NOTE: Be sure to leave enough slack to allow for movement of the bracket.

TMO-CEM-005
PRODUCT DIMENSIONS



tilt: -5°~+15°
VESA : 400x600 compatible
for max to 60" screens
load capacity: 300Lbs (100Lbs x3)