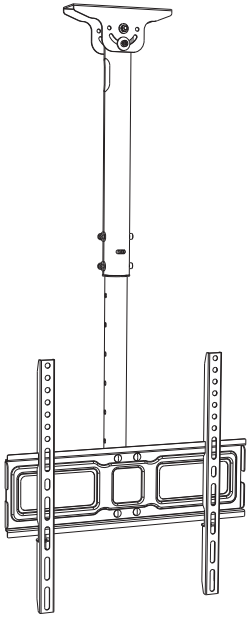
# Ceiling TV Mount Instruction Manual

(A)



**Model: ERMCM1-01B**

## Thank You for Choosing this ErgoAV Product!

**At ErgoAV, we want to add value to your AV experience by providing the highest quality products and services in the industry. If you have any concerns or comments, please contact us.**


ErgoAV Customer Care
Phone: (877) 419-7832
Email: support@ergoav.com
Website: www.ergoav.com
Address: 9501 Louisiana Ave N, #200, Brooklyn Park, MN 55445

## IMPORTANT SAFETY INFORMATION

⚠**DANGER!** Please carefully read all instructions before attempting installation. If you do not understand the instructions or have any concerns, please contact our Technical Support at (877) 419–7832 or Customer Service at support@ergoav.com.

⚠**CAUTION:** Avoid potential personal injuries and property damage!

• Do not use this product for any purpose that is not explicitly specified in this manual. Do not exceed weight capacity. We are not liable for damage or injury caused by improper mounting, incorrect assembly or inappropriate use.

• This product is designed for use in wood ceiling joist or solid concrete ceilings. — DO NOT install into drywall alone.

• The ceiling must be capable of supporting four times the weight of the TV and mount combined.

• Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

• Do not use outdoors.

• Route cords and cables properly to avoid mechanical damage.

• SAVE THESE INSTRUCTIONS.

## Weight Restrictions

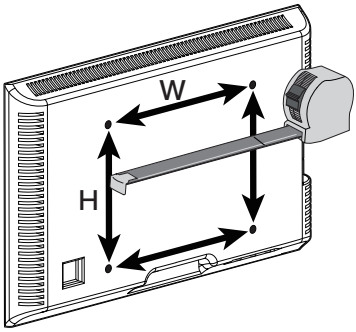



If your TV weighs more, do not use this product.

**⚠WARNING**

DO NOT exceed the maximum weight indicated. This mounting system is intended for use only within the maximum weights indicated. Use with products heavier than the maximum weights indicated may result in failure of the mount and its accessories, causing damage and or injury.

## Check the VESA Pattern of Your TV before You Begin the Installation




**Measure Your TV VESA Pattern:**

**Minimum:** 100mm x 100mm / 3.9” x 3.9” (W x H)
**Maximum:** 400mm x 400mm / 15.7” x 15.7” (W x H)

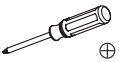
If your TV’s VESA Pattern is smaller than 100mm x 100mm / 3.9” x 3.9” or greater than 400mm x 400mm / 15.7” x 15.7”, this mount is NOT COMPATIBLE with your TV. Please contact our Technical Support at (877) 419–7832 or support@ergoav.com to find a compatible mount.

## Tools Needed (Not Included)


Tape Measure


Pencil


Level


Phillips Screwdriver

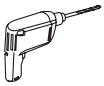

3/8" (10mm) Socket Wrench


1/2" (13mm) Socket Wrench

(Needed for wood stud installs)


Stud Finder


Awl


Electric Drill


7/32" (5.5mm) Wood Drill Bit

(Needed for concrete installs)

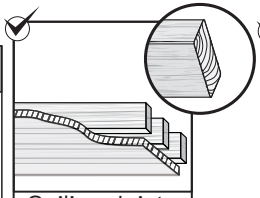

3/8" (10 mm) Concrete Drill Bit

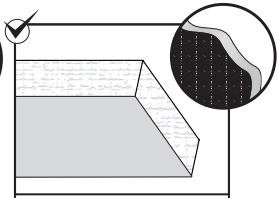

Hammer

## Verify Your Ceiling Construction

**⚠ CAUTION**

DO NOT install into drywall alone


Ceiling Joist (with Drywall)


Solid Concrete Wall

If you are not sure of your ceiling construction, please contact our Technical Support at (877) 419–7832 or Customer Service at support@ergoav.com

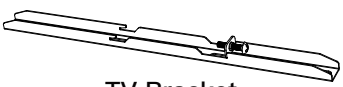
## Supplied Parts and Hardware

⚠ **WARNING:** This product contains small items that could be a choking hazard if swallowed.

Before starting assembly, verify all parts are included and undamaged. Do not use damaged or defective parts. If you require replacement parts, please contact our Technical Support at (877) 419–7832 or Customer Service at support@ergoav.com.

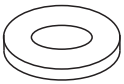
- **PLEASE NOTE:** Not all hardware included in this package will be used.

## Supplied Parts and Hardware for Step 1


TV Bracket
03 x2

04


M4/M5 Washer
[B1] x4

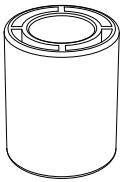

M6/M8 Washer
[B2] x4

**NOTE:** The spacers shown are actual size.

05 Spacers
[If necessary]


L2.5mm
[F1] x8

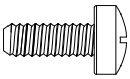

L10mm
[F2] x4


L22mm
[F3] x4

NOTE: The bolts shown are in actual size.

06 **TV Bolts** (Only one size of the bolt fits your TV)

M4

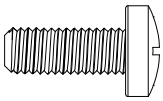


M4x12mm
[C1] x4

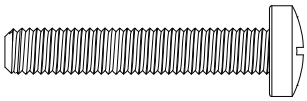


M4x30mm
[C2] x4

M6

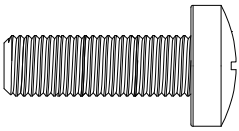


M6x15mm
[D1] x4

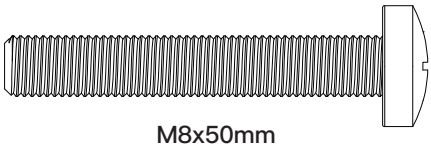


M6x35mm
[D2] x4

M8



M8x25mm
[E1] x4

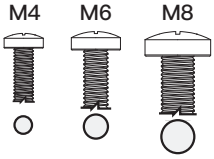


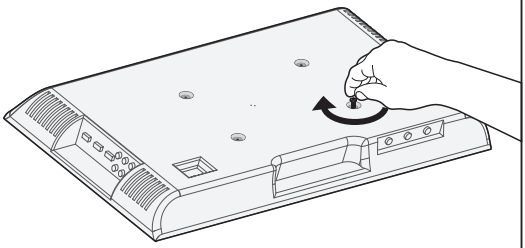
M8x50mm
[E2] x4

## Step 1 Secure the TV Brackets to the TV

### Select TV Bolts

Only one size of the bolt fits your TV.

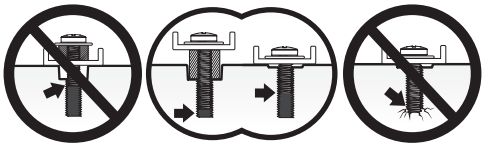


Bolt length: Verify adequate thread engagement with bolts or bolts/spacers combination. We recommend thread engagement by at least 5 turns.

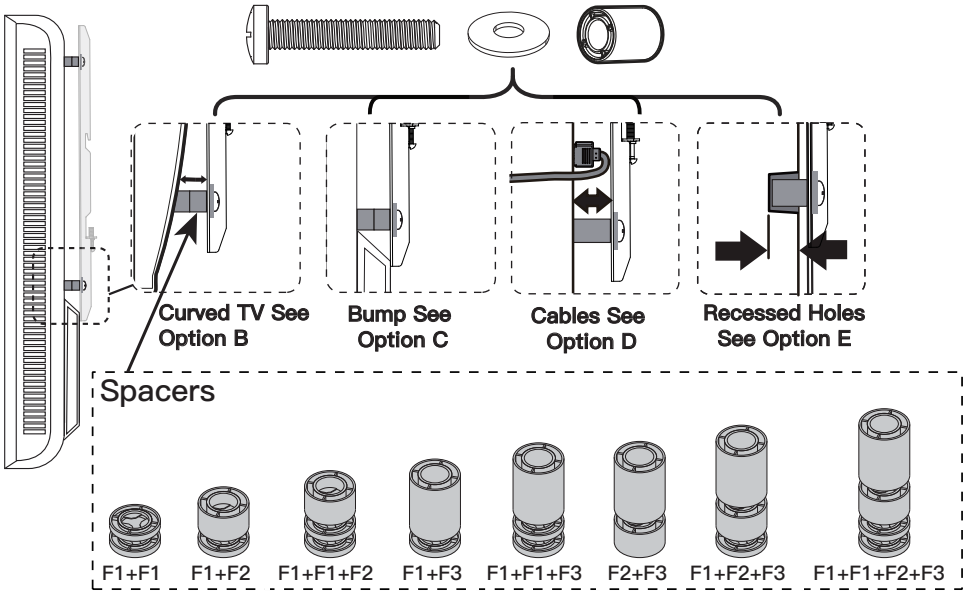
–Too short will not hold the TV.
–Too long will damage the TV.

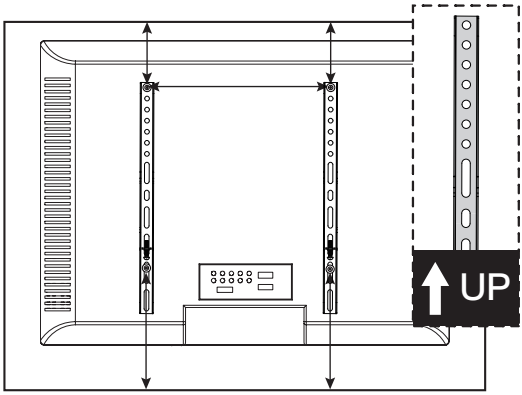
**NOTE: Please do not over tighten the TV bolts to avoid damaging your TV.**




PLEASE NOTE: If Spacers are required for your installation, a combination of different Spacers can be stacked to obtain a proper length. See examples in the image below. If you have any difficulty understanding how to install the TV Bolts or Spacers, please contact our Technical Support at (877) 419–7832 or Customer Service at support@ergoav.com.

## Parts Needed if You Have a TV as Shown Below

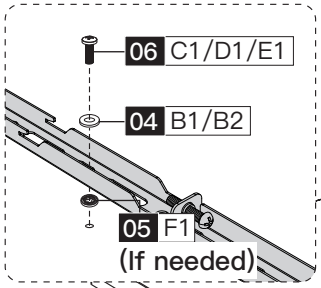


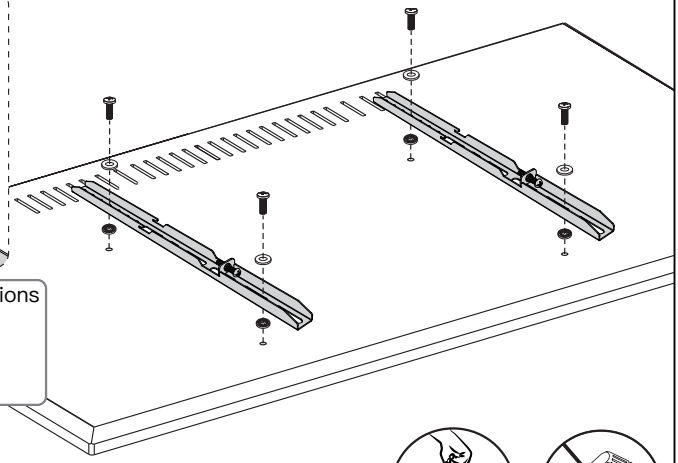




⚠**CAUTION:** When attaching the TV Brackets to the back of the TV, ensure the end with round holes on the TV Brackets are pointing to the top of the TV and are equally centered on the back of the TV.

⚠**PLEASE NOTE:** The bolt hole locations on your TV may vary in accordance with the manufacturer's design of the TV. We are only illustrating possible locations of the bolt holes.

## Option A (For Flat Back TV)



Refer back to Spacer Instructions on Page 5, If needed



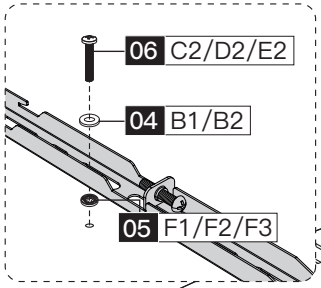


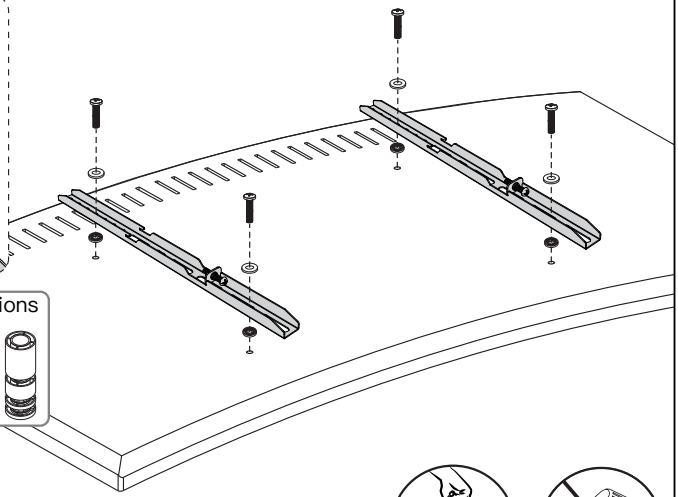
Phillips Screwdriver (Not Included)



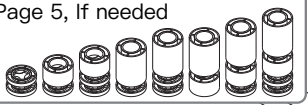

## Option B (For Curved Back TV)

Spacers must be tall enough so that the curve on the back of the TV will not interfere with the mounting plate.



Refer back to Spacer Instructions on Page 5, If needed



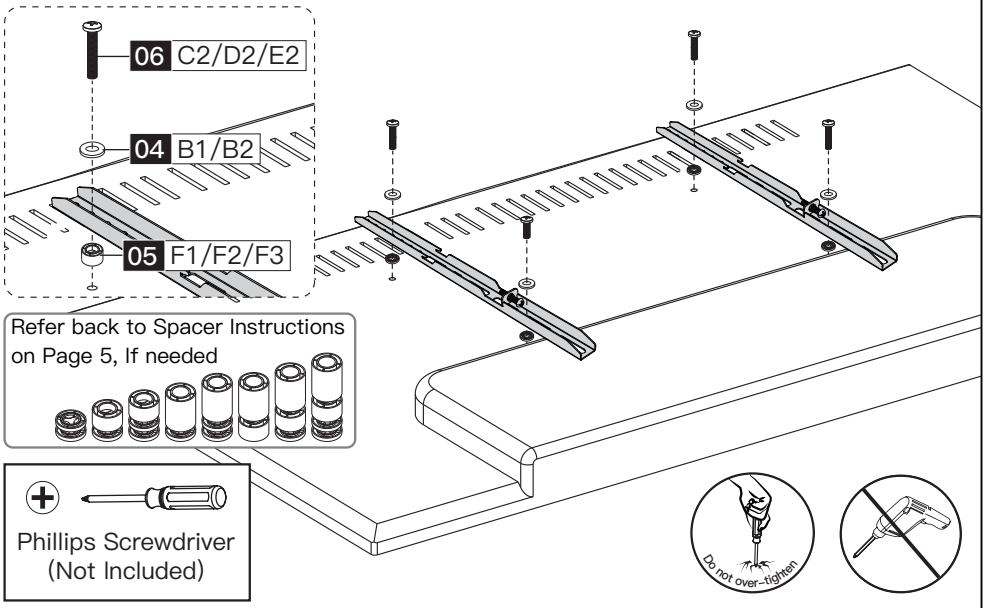


Phillips Screwdriver (Not Included)



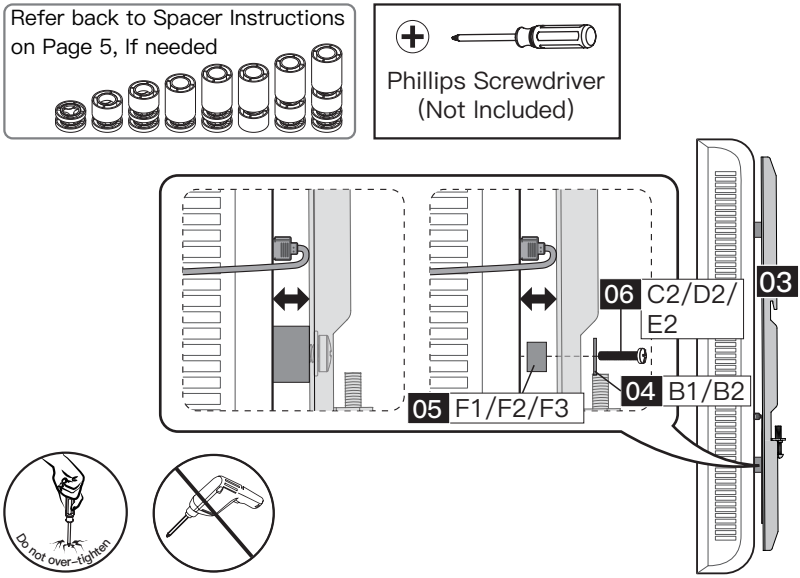
## Option C (For TV with A “Bump”)

Spacers must be tall enough so there is no gap between TV bracket and bump on the back of the TV.




## Option D (for TV with Cable Interference)

For cable interference, use Spacers [F1], [F2] and [F3] to create extra space between the TV and TV brackets.



### Option E (For Recessed Holes )

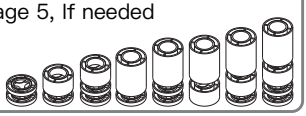
The Spacers need to fill in the recessed holes on the back of the TV so that the TV Brackets are as close to the TV as possible.

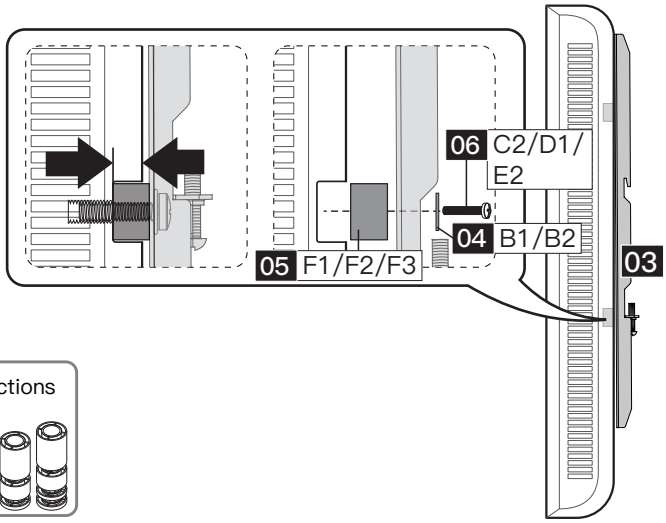





Phillips Screwdriver
(Not Included)

Refer back to Spacer Instructions on Page 5, If needed






## Supplied Parts and Hardware for Step 2



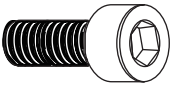
Upper Pole
01 x1



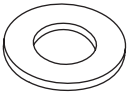
Ceiling Plate
02 x1



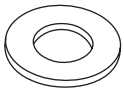
3/16 in(5mm)
Allen Key
08 x1



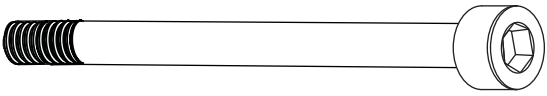
Bolt
M6x12mm
b1 x2



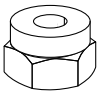
Washer
22x6.4
b2 x2



M6 Washer
b3 x1

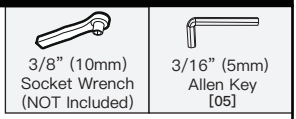


Bolt
M6x60mm
b4 x1



M6 Nut
b5 x1

## Step 2 Attach the Ceiling Plate to the Top of the Upper Pole



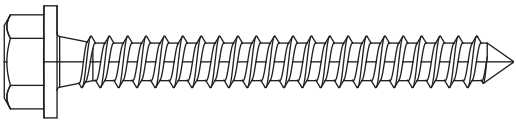




## Supplied Hardware for Step 3

**NOTE:** The lag screw is shown in actual size.

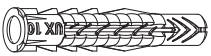
**A1** x4 Lag Screw 5/16" x 2 3/4"



**A2** x4 Anchor 10X60 mm

**⚠CAUTION!**

This Anchor is for concrete ceiling ONLY. DO NOT use them in drywall or ceiling joist.



## Step 3 Secure the Ceiling Plate to the Ceiling

**For wood stud installation, follow STEP 3A**

**For concrete installation, follow STEP 3B**

## Step 3A Wood Stud Option

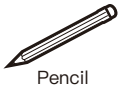
**⚠WARNING:**

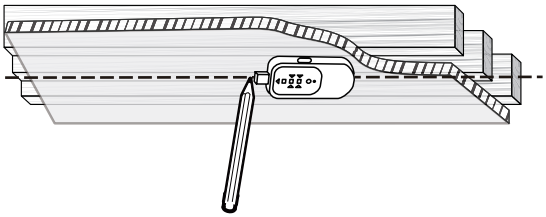
- To avoid personal injury or property damage, Do Not over–tighten the Lag Screws [A1]. Using a self–supplied socket wrench, tighten the Lag Screws [A1] only until they are pulled firmly against the Ceiling Plate and ceiling.
- **DO NOT USE ANCHOR FOR THIS STEP.**
- Ensure the Ceiling Plate is securely fastened to the ceiling before continuing to the next step.
- Nominal ceiling joist size: common 2" x 8" (51mm x 203mm) .
- Stud center must be verified.
- Do not use a drill for tightening the Lag Screws!
- Only use a Socket Wrench.




### 3A–1


Stud Finder
(NOT Included)

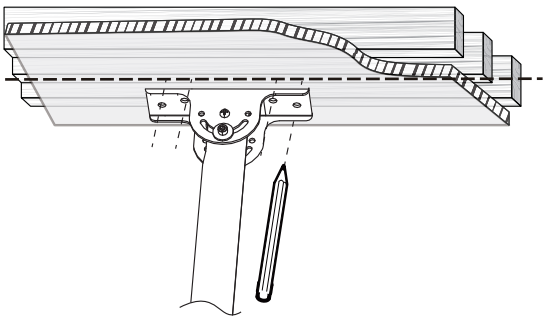

Pencil
(NOT Included)



Use a Stud Finder (not included) to locate ceiling joist to verify the edges. Mark the edge and center locations.

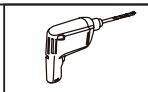
### 3A–2

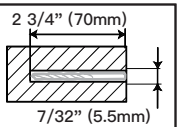

Pencil
(NOT Included)

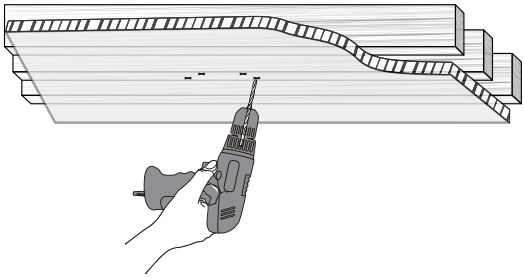


Position the Ceiling Plate [02] at your desired position, and mark the pilot hole locations.

## 3A–3


Electric Drill
(NOT Included)



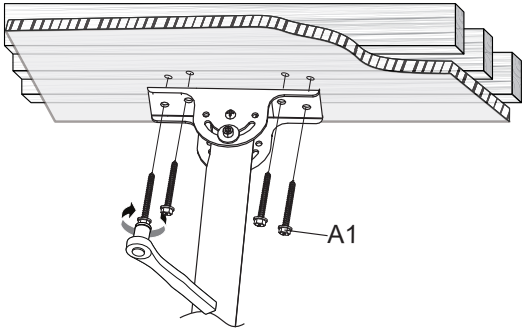
**CAUTION:**
DO NOT drill the holes at the edge of the ceiling joist. Make sure the holes are drilled on the center location of the ceiling joist.

Drill 4 pilot holes using a 7/32" (5.5mm) diameter drill bit. Make sure the depth of the pilot holes is at least 2 3/4" (70mm) deep.

## 3A–4




1/2" (13mm)
Socket Wrench
(NOT Included)




**CAUTION:** DO NOT use a drill to tighten the Lag Screws. Only use a Socket Wrench.

Install the Ceiling Plate [02] using Lag Screws [A1]. Tighten the Lag Screws [A1] only until they are pulled firmly against the Ceiling Plate. DO NOT over–tighten the Lag Screws.

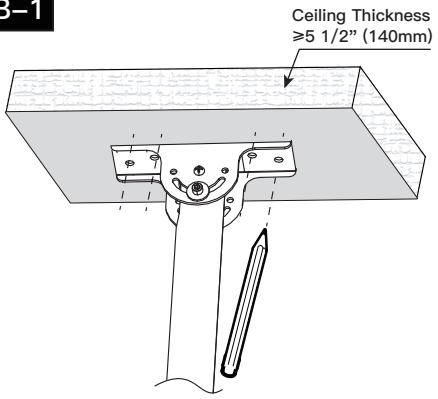
## Step 3B Solid Concrete Ceiling Option

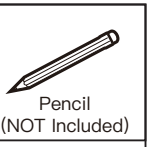
**⚠WARNING:**

- To avoid personal injury or property damage, Do Not over–tighten the Lag Screws [A1]. Using a self–supplied Socket Wrench, tighten the Lag Screws [A1] only until they are pulled firmly against the Ceiling Plate and ceiling.
- Ensure the Ceiling Plate is securely fastened to the ceiling before continuing to the next step.
- Mount the Ceiling Plate [02] directly onto the concrete surface without any covering.
- The thickness of the ceiling must exceed 5 1/2" (140mm).
- Do not use a drill for tightening the lag screws! Only use a socket wrench.


Anchor
**A2**

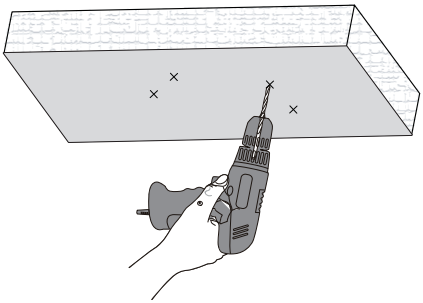
## 3B–1

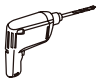


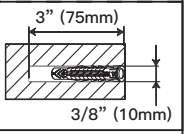




Position the Ceiling Plate [02] at your desired position, and mark the pilot hole locations.

## 3B–2

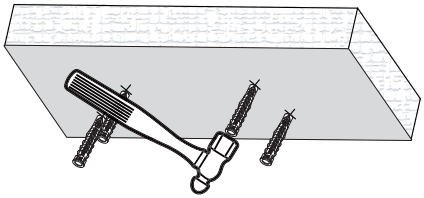





Drill the 4 pilot holes using a 3/8" (10mm) diameter drill bit. Make sure the depth of each hole is at least 3" (75mm) deep.

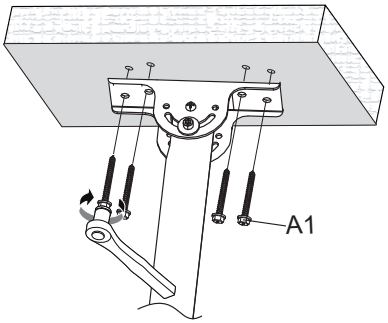
## 3B–3






Use the Hammer to knock Anchors [A2] into the ceiling. Be sure the Anchors [A2] are seated flush with the concrete surface.

## 3B–4





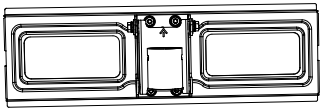




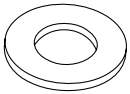
**CAUTION:** DO NOT use a drill to tighten the Lag Screws. Only use a Socket Wrench.

Install the Ceiling Plate [02] using Lag Screws [A1]. Tighten the Lag Screws [A1] only until they are pulled firmly against the Ceiling Plate.

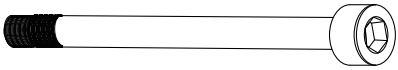
## Supplied Parts and Hardware for Step 4



TV Plate
07 x1



M6 Washer
b3 x2



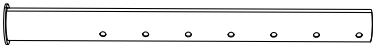
Bolt
M6x60mm
b4 x2



M6 Nut
b5 x2



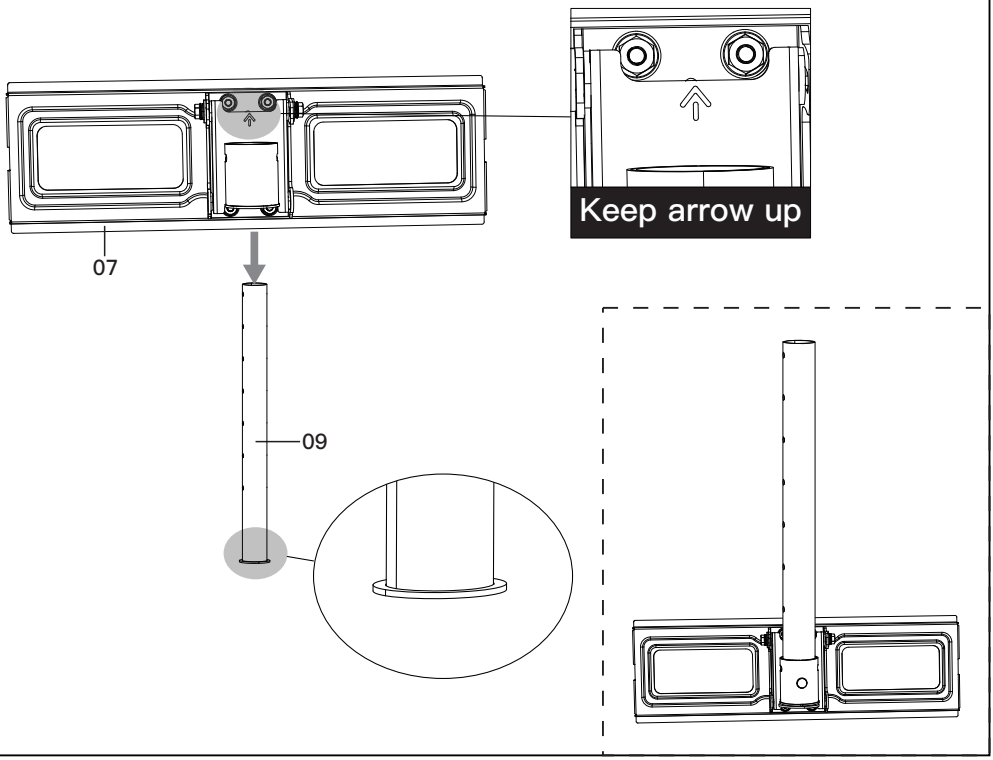
3/16 in(5mm)
Allen Key
08 x1



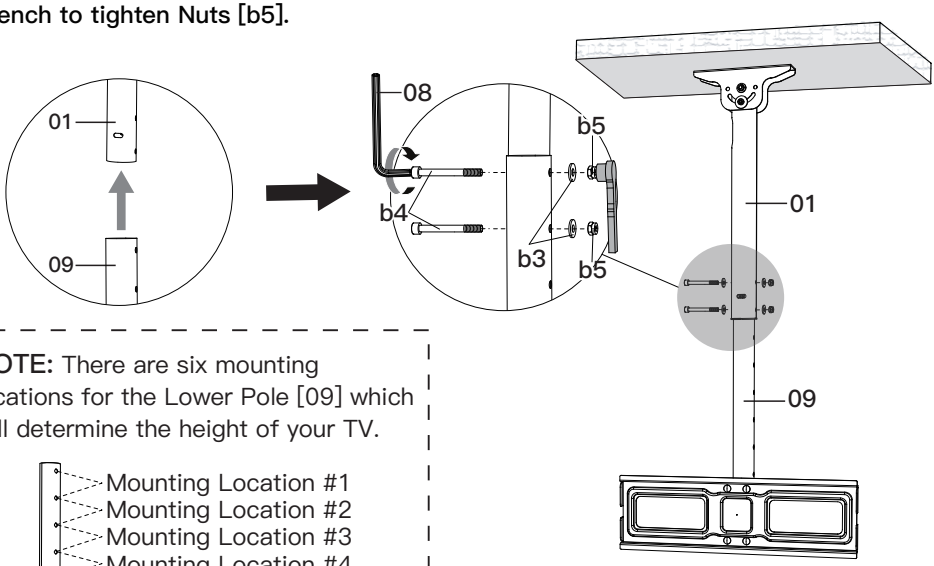
Lower Pole
09 x1

## Step 4 Secure Poles with TV Plate to the Lower Pole

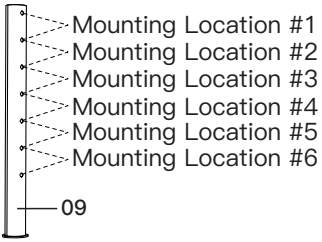
4–1 Slide the TV Plate [07] onto the Lower Pole [09].



4–2 Align the holes in the Lower Pole [09] with the holes in the Upper Pole [01]. Height adjustments can be made by selecting different holes in Lower Pole [09]. Using Bolts [b4], Washers [b3], and Nuts [b5], attach the poles together at desired height. Hold Bolts [b4] with supplied Allen Key [05] while using a self–supplied Socket Wrench to tighten Nuts [b5].




**NOTE:** There are six mounting locations for the Lower Pole [09] which will determine the height of your TV.



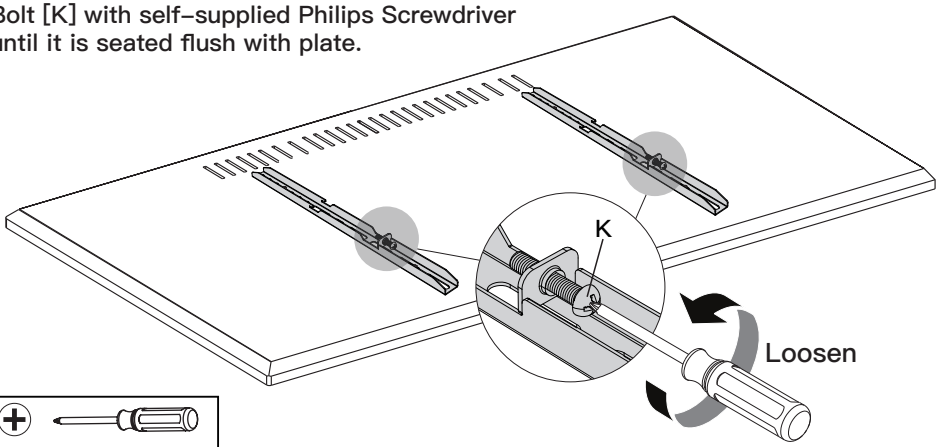





3/8" (10mm) Socket Wrench (NOT included)

## Step 5 Secure the TV to Front Support

Step 5–1 Slightly unscrew the pre–assembled Bolt [K] with self–supplied Philips Screwdriver until it is seated flush with plate.

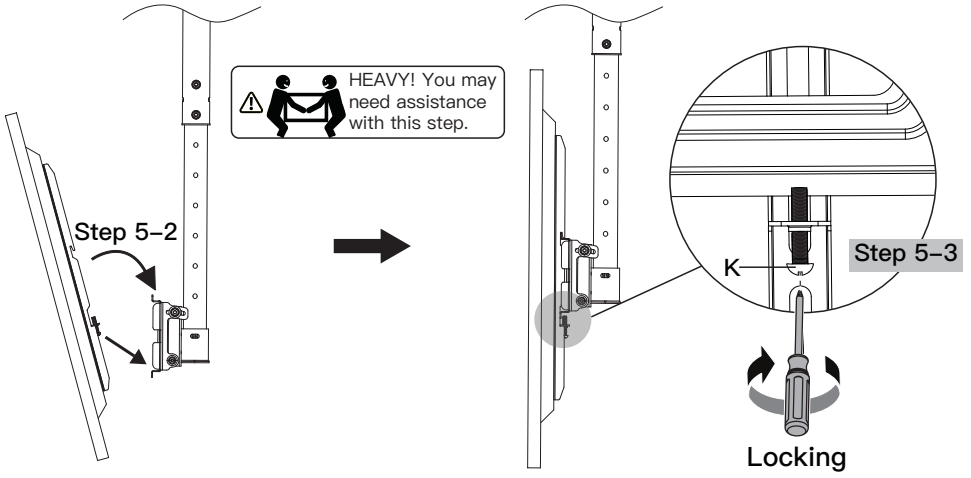




Phillips Screwdriver (NOT Included)

**Step 5–2** Hang the TV on the TV Plate.
**Step 5–3** Tighten the Bolts [K] on the safety locks into place until they are pulled firmly against the TV Plate.

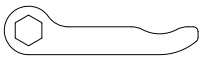
Phillips Screwdriver (NOT Included)




## Supplied Hardware for Step 6



3/16 in(5mm) Allen Key
**08 x1**

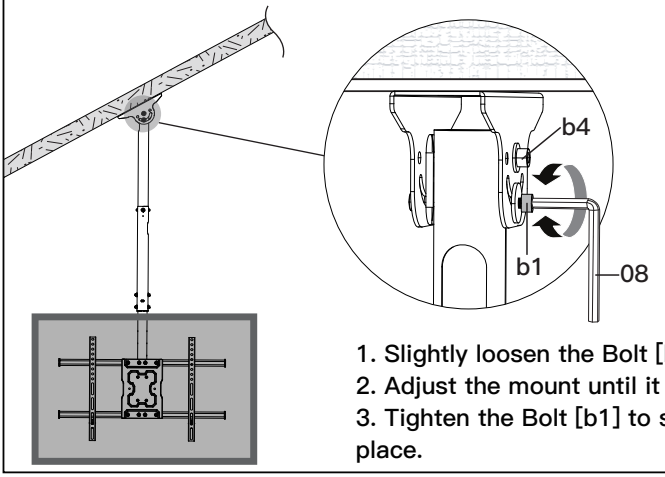


7/16 in(11mm) Wrench
**10 x1**

## Step 6 Adjustments

**⚠WARNING:** To avoid personal injury and property damage, DO NOT loosen Bolt [b4] during the adjustment for non–level ceilings.

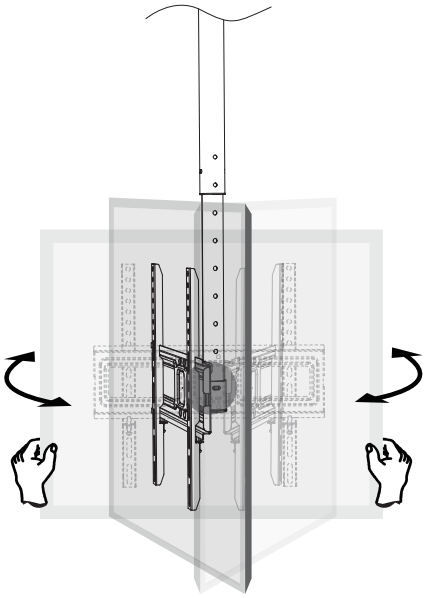
### Adjustment for Non–Level Ceilings



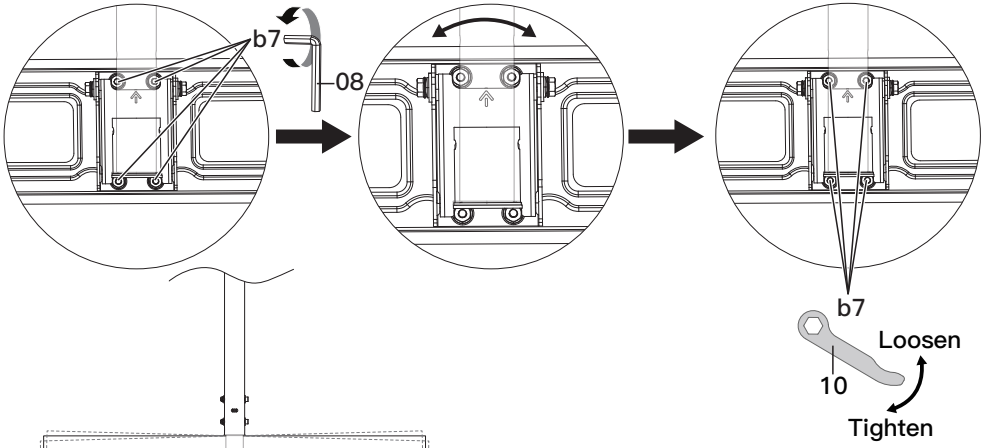

**⚠WARNING:**
Bolt [b4] should not be loosened in this step as it could cause the TV to fall and cause injuries to people and property.

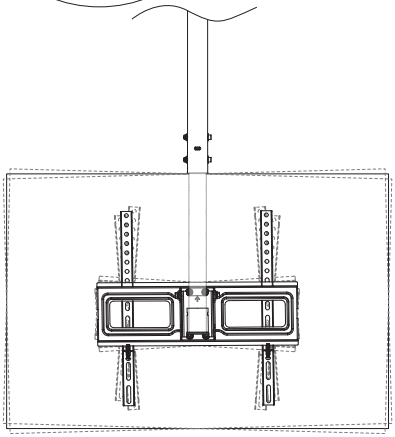
1. Slightly loosen the Bolt [b1] with the Allen Key [08].
2. Adjust the mount until it hangs down vertically.
3. Tighten the Bolt [b1] to secure the tilt angle into place.

## Swivel Adjustment for TV



## Level Adjustment for TV



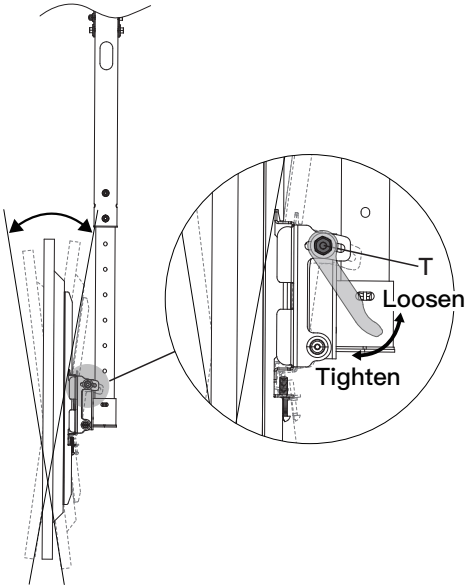



1. Slightly loosen the four pre-assembled Bolts [b7] with the Wrench [10].

2. Adjust the TV to your desired position.

3. Tighten the Bolts [b7] to secure the tilt angle into place.

## Tilt Adjustment for TV



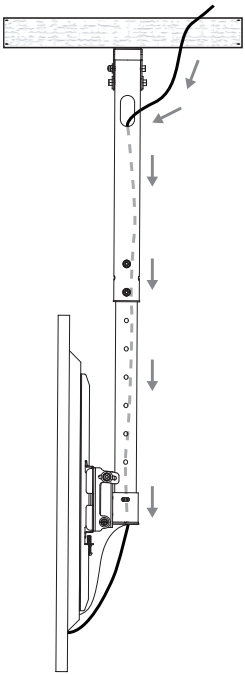

1. Slightly loosen the two upper pre-assembled bolts [T] with a Wrench [10].

2. Adjust the TV to your desired position.

3. Tighten the Bolt [T] to secure the tilt angle into place.

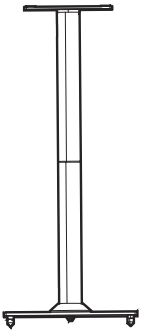
## Step 7 Route the Cables along with the Pole

**NOTE:** To prevent excess stress on connectors and cables, leave some slack in the cables during the routing of cables. Always check connections and cables for stress and possible mechanical damage when rotating the TV.

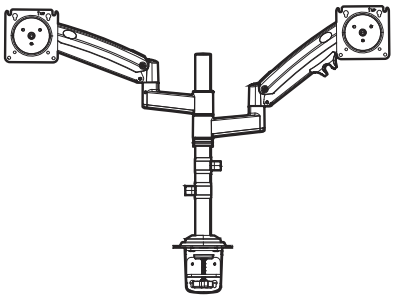


At ErgoAV, we strive to provide the highest value products.
We want to support your purchase.
If you have questions, concerns,
or feedback please let us know!

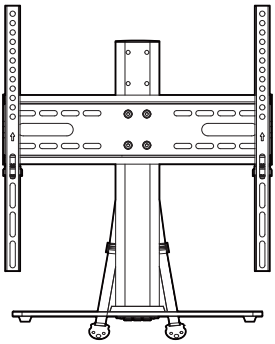
ErgoAV Customer Care
Phone (877) 419-7832
support@ergoav.com



Speaker Stands



Computer Monitor Mounts



Tabletop TV Stand

9501 Louisiana Ave N, #200, Brooklyn Park, MN 55445

WWW.ERGOAV.COM