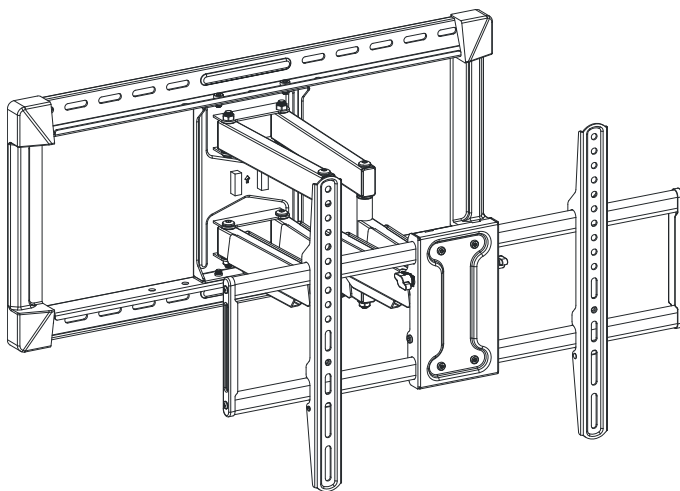


Full-Motion Wall Mount for 42-90" TVs

NS-TVLFMB / NS-TVLFMB-C

For VESA patterns:

- 7.9 × 3.9" (200 × 100 mm)
- 7.9 × 7.9" (200 × 200 mm)
- 11.8 × 7.9" (300 × 200 mm)
- 11.8 × 11.8" (300 × 300 mm)
- 15.7 × 7.9" (400 × 200 mm)
- 15.7 × 11.8" (400 × 300 mm)
- 15.7 × 15.7" (400 × 400 mm)
- 19.7 × 15.7" (500 × 400 mm)
- 23.6 × 15.7" (600 × 400 mm)



Safety information and specifications



**IMPORTANT
SAFETY
INSTRUCTIONS
- SAVE THESE
INSTRUCTIONS**

CAUTION: Do

not use this product for any purpose not explicitly specified by Insignia.

Improper installation may cause property damage or personal injury. If you do not understand these directions, or have doubts about the safety of the installation, contact Customer Service or call a

qualified contractor. Insignia is not responsible for damage or injury caused by incorrect installation or use.

The weight of your TV must not exceed 120 lbs. (54.4 kg). The wall must be capable of supporting five times the weight of your TV and wall mount combined.

This product contains small items that could be a choking hazard if swallowed. Keep these items away from young children!

Maximum TV weight: 120 lbs. (54.43 kg)

Screen size: 42 in. to 90 in. diagonal

Overall dimensions (H × W):

17.2 × 28.1 in. (43.6 × 71.4 cm)

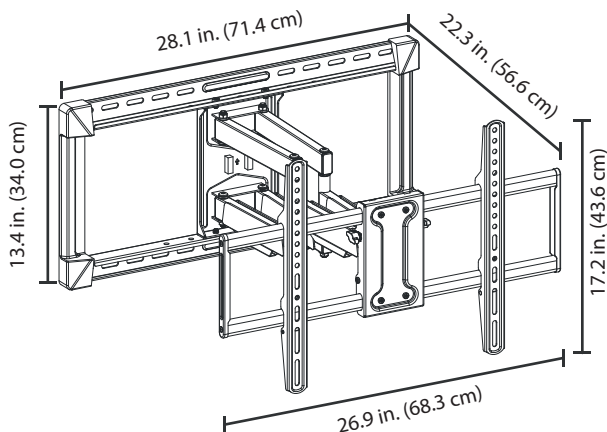
Wall-mount weight: 22.15 lbs. (10.05 kg)

We're here for you

www.insigniaproducts.com

For customer service, call:

1-877-467-4289



Tools needed

You will need the following tools (not provided) to assemble your new TV wall mount:



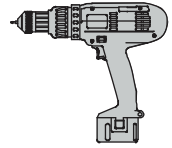
Edge-to-edge
stud finder



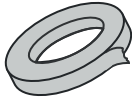
Pencil



Measuring tape



Drill



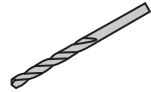
Masking tape



Phillips screwdriver

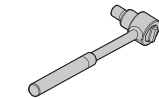


Hammer



7/32 in. (5.5 mm) wood drill
bit (for wood stud wall)

OR

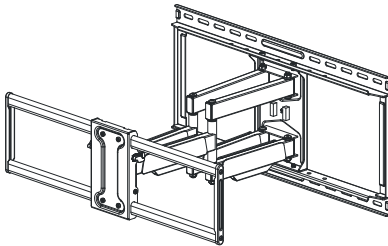


Socket wrench set
1/2 in. (13 mm)

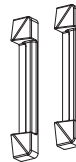
3/8 in. (10 mm) masonry
drill bit (for concrete wall)

Package contents

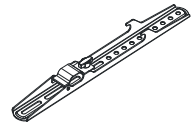
Make sure that you have all the hardware necessary to assemble your new TV wall mount:



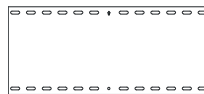
Wall Mount (1)
with cable management
clips (4) preinstalled



Wall Mount End Caps (2)



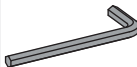


















TV Brackets (2)



Wall Plate Template (1)

TV hardware bag

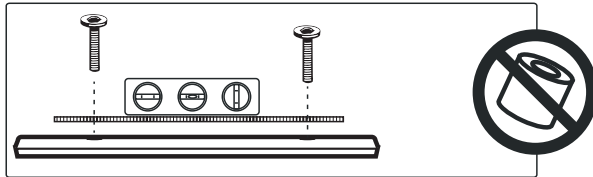
Label	Hardware	Qty.
D	 Lag bolts	4
E	 Concrete anchor	4
F	 4 mm Allen wrench	1
G	 5 mm Allen wrench	1
H1	 M4 x 12 mm screw	4
H2	 M6 x 12 mm screw	4
H3	 M6 x 20 mm screw	4
H4	 M8 x 20 mm screw	4
H5	 M4 x 35 mm screw	4
H6	 M6 x 35 mm screw	4

Label	Hardware	Qty.
H7	 M8 x 35 mm screw	4
H8	 M8 x 50 mm screw	4
I1	 M6 x 17 mm Spacer	4
I2	 M8 x 22 mm Spacer	4
I3	 M8 x 10 mm Spacer	4
I4	 M4/M8 x 2.5 mm Spacer	8
J1	 M4 washer	4
J2	 M6 washer	4
K	 Magnetic removable bubble level	1

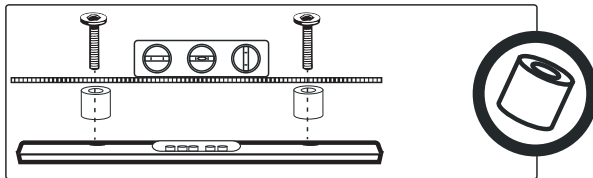
Installation instructions

STEP 1 - Determine whether your TV has a flat back or an irregular or obstructed back

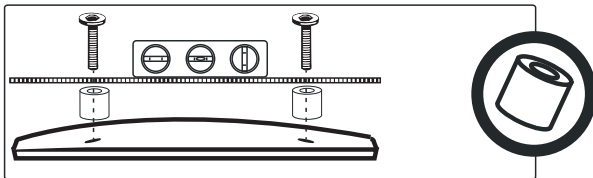
- 1 Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
- 2 If your TV has a table-top stand attached, remove the stand. See the documentation that came with your TV for instructions.
- 3 Lay the **TV brackets**, oriented vertically, on the back of your TV.
- 4 Align the screw holes in the TV brackets with the mounting screw holes on your TV.
- 5 Identify which type of back your TV has:
 - **Flat back:** The brackets lay flush against the back of your TV and do not block any jacks. You do not need spacers when assembling the wall mount.



- **Obstructed back:** The brackets block one or more of the jacks on the back of your TV. You will need spacers when assembling the wall mount.



- **Irregularly-shaped back:** There is a gap between a bracket and some part of the back of your TV. You will need spacers when assembling the wall mount.



- 6 Remove the TV brackets.

STEP 2 - Select screws, washers, and spacers

- 1 Select the hardware for your TV (screws, washers, and spacers). A limited number of TVs come with mounting hardware included. (If there are screws that came with the TV, they are almost always in the holes on the back of the TV.) If you don't know the correct length of the mounting screws your TV requires, test various sizes by hand-threading the screws.

Select one of the following types of screws:

For a TV with a flat back:

M4 X 12 mm screws (**H1**)

M6 X 12 mm screws (**H2**)

M6 X 20 mm screws (**H3**)

M8 X 20 mm screws (**H4**)

For a TV with an irregular/obstructed back:

M4 X 35 mm screws (**H5**)

M6 X 35 mm screws (**H6**)

M8 X 35 mm screws (**H7**)

M8 X 50 mm screws (**H8**)

Select either an M4 washer (**J1**) or an M6 washer (**J2**) for the corresponding types of screws. For an irregular or obstructed TV back, also use the spacers (**I1**, **I2**, **I3**, or **I4**).

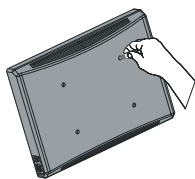
Note: If the included hardware does not work for your TV, call 1-877-467-4289, for Insignia Customer Support, and we'll work to determine the necessary parts required and ship them to you without charge.



CAUTION: To avoid potential personal injuries and property damage, make sure that there are adequate threads to secure the brackets to your TV. If you encounter resistance, stop immediately and contact customer service. Use the shortest screw and spacer combination to accommodate your TV. Using hardware that is too long may damage your TV. However, using a screw that is too short may cause your TV to fall from the mount.



Screw fits correctly



Screw is too long



Screw is too short

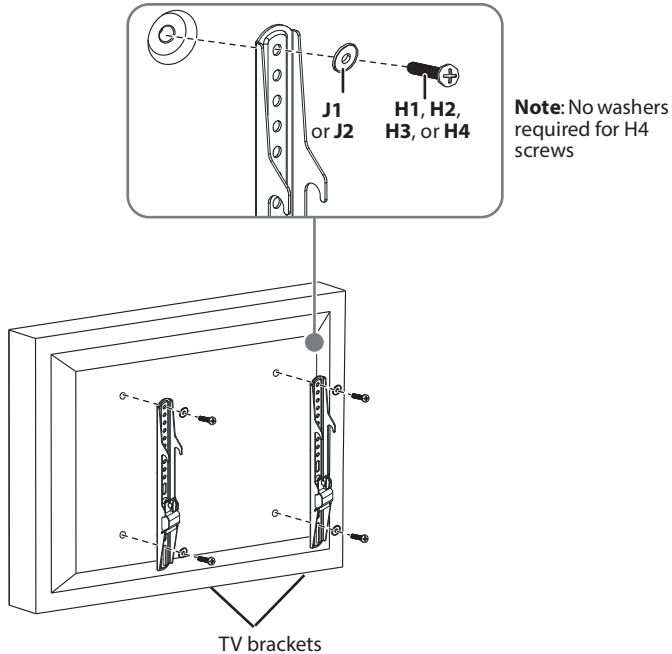
- 2 Remove the screws from the holes in the back of your TV.
- 3 For a flat back TV, go to "STEP 3 - Option 1: Attaching the mounting hardware to TVs with a flat back" on page 7.

-OR-

For an irregular or obstructed back, go to "STEP 3 - Option 2: Attaching the mounting hardware to TVs with irregular or obstructed backs" on page 8.

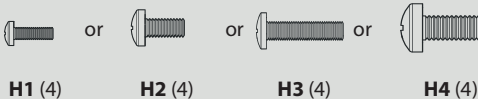
STEP 3 - Option 1: Attaching the mounting hardware to TVs with a flat back

- 1 Align the left and right TV brackets with the screw holes on the back of the TV. Make sure that the brackets are level.
- 2 Install washers (J1 or J2 - except with H4 screws), and screws (H1, H2, H3, or H4) into the holes in the back of the TV.
- 3 Tighten the screws until they are snug against the TV brackets. Do not over tighten.

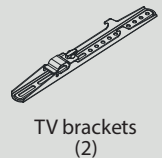
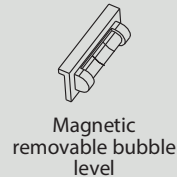
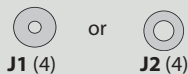


You'll need

Screws

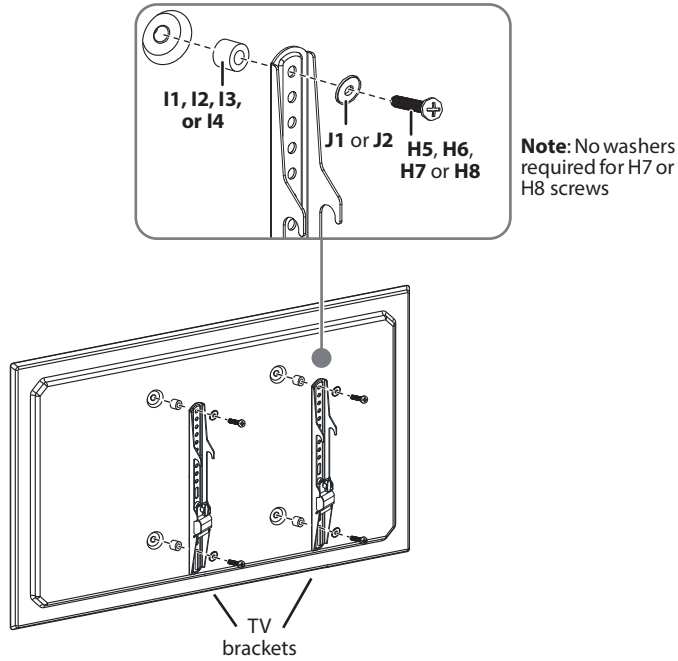


Washers

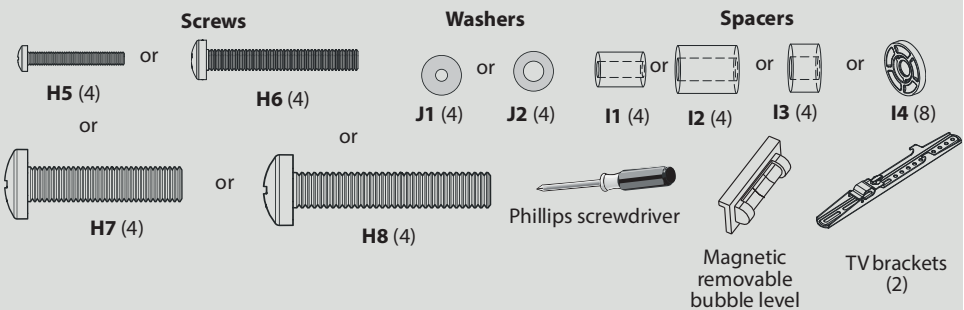


STEP 3 - Option 2: Attaching the mounting hardware to TVs with irregular or obstructed backs

- 1 Place spacers (I1, I2, I3, or I4) over the holes on the back of the TV.
- 2 Align the left and right TV brackets with the screw holes on the back of the TV. Make sure that the brackets are level.
- 3 Place washers (J1 or J2 - except with H7 or H8 screws) over the holes in the TV brackets. Insert screws (H5, H6, H7, or H8) through the washers, TV brackets, and spacers.
- 4 Tighten the screws until they are snug against the TV brackets. Do not over tighten.



You'll need

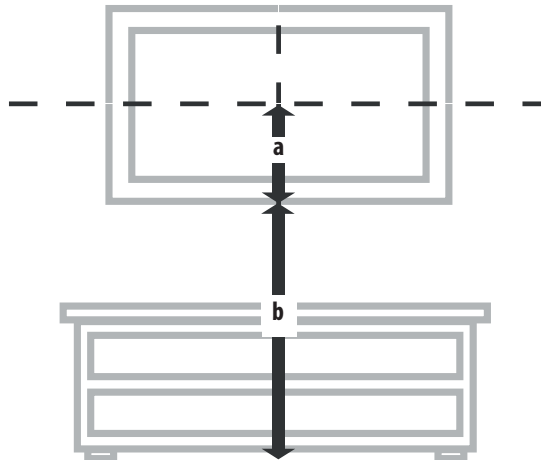


STEP 4 - Determine wall-mount location

Note: Your TV should be high enough so that your eyes are level with the middle of the screen. This is normally 40 to 60 in. from the ground.

The center of your TV will be offset .8 in. (2 cm) lower than the center of the wall plate on the wall-mount. Before you drill holes in the wall:

- 1 Measure the distance from the bottom of your TV to the center point halfway between the top and bottom mounting holes on the back of your TV. This is measurement **a**.
- 2 Measure the distance from the floor to where you want the bottom of the TV to be placed on the wall. Keep in mind that the bottom of the TV should be placed above any furniture (such as entertainment centers or TV stands). The TV should also be above items placed on top of the furniture (like a Blu-ray player or cable box). This measurement is **b**.
- 3 Add **a + b**. The total measurement is the height where you want the center of the wall plate to be on the wall.
- 4 Use a pencil to mark this spot on the wall.



You'll need



Measuring tape



Pencil

STEP 5 - Option 1: Installing on a wood stud wall

Notes: - Any drywall covering the wall must not exceed 5/8 in. (16 mm).

- Minimum wood stud size: common 2 x 4 in. (51 x 102 mm) nominal 1-1/2 x 3-1/2 in. (38 x 89 mm).

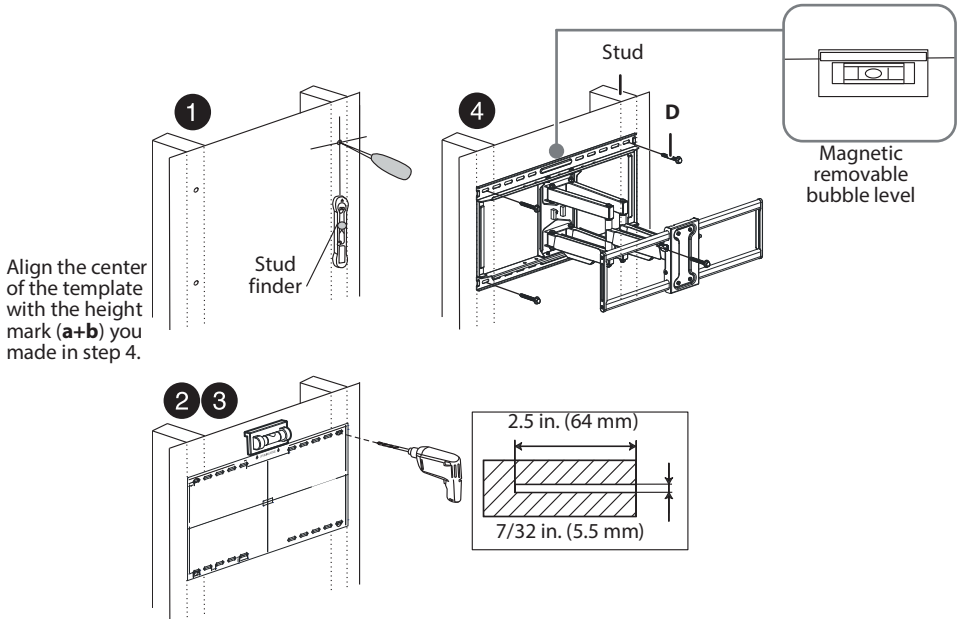
- Minimum horizontal spacing between fasteners cannot be less than 16 in. (406 mm).

- 1** Locate the stud. Verify the center of the stud with an edge-to-edge stud finder.
- 2** Align the center of the wall plate template at the height (**a + b**) you determined in the previous step, make sure that the template is level, then tape it to the wall.
- 3** Drill four pilot holes through the template to a depth of 2.5 in. (64 mm) using a 7/32 in. (5.5 mm) diameter drill bit, then remove the template.
- 4** Make sure that the wall-mount arm on the wall-mount is perpendicular to the wall plate, align the wall plate with the pilot holes, insert the lag bolts (**D**) through the holes in the wall plate. Make sure that the wall plate is level by checking it with the bubble level, then tighten the lag bolts with the socket wrench only until they are firm against the wall plate.

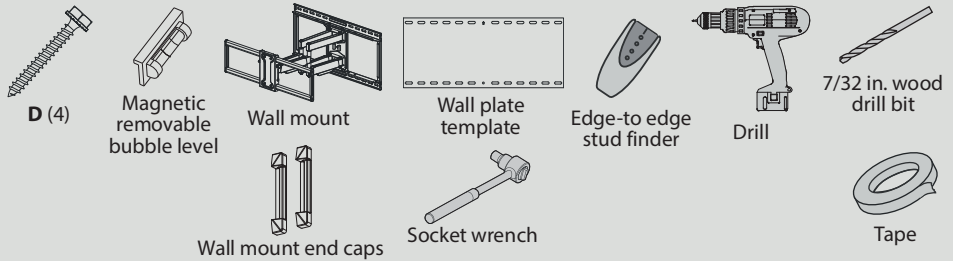


CAUTION: Use only the four center holes to mount the wall plate. Do not use the slotted side holes.

- *DO NOT* over-tighten the lag bolts (**D**).



You'll need



Socket
wrench

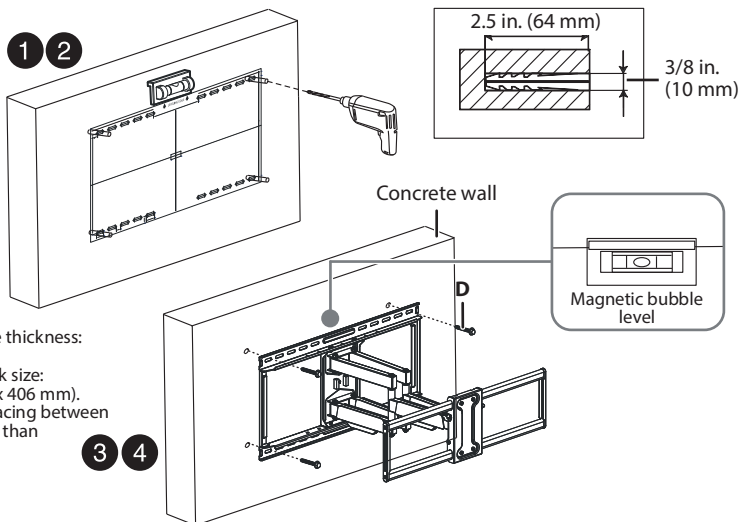
STEP 5 - Option 2: Installing on a solid concrete or concrete block wall

CAUTION: To prevent property damage or personal injury, never drill into the mortar between blocks. Mount the wall plate directly onto the concrete surface.

- 1 Align the center of the wall plate template at the height ($a + b$) you determined in the previous step, make sure that it is level, then tape it to the wall.
- 2 Drill four pilot holes through the template to a depth of 2.5 in. (64 mm) using a 3/8 in. (10 mm) diameter masonry drill bit, then remove the template.
- 3 Insert the concrete wall anchors (**E**) into the pilot holes and use a hammer to make sure the anchors are flush with the concrete surface.
- 4 Make sure that the wall-mount arm on the wall-mount is perpendicular to the wall plate, align the wall plate with the anchors, insert the lag bolts (**D**) through the holes in the wall plate. Make sure that the wall plate is level by checking it with the bubble level, then tighten the lag bolts with the socket wrench only until they are firm against the wall plate.

CAUTION: DO NOT over-tighten the lag bolts (**D**).

Align the center of the template with the height mark ($a+b$) you made in step 4.

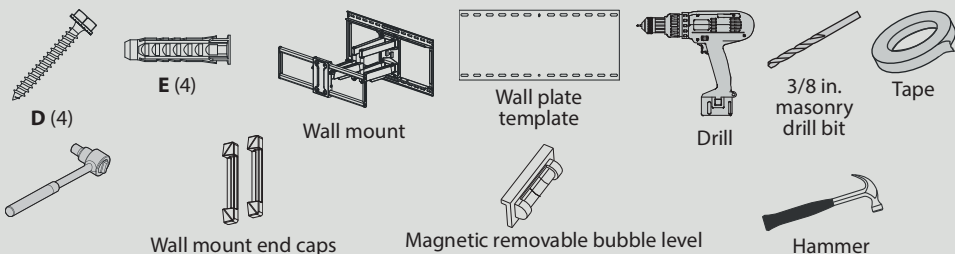


* Minimum solid concrete thickness: 8 in. (203mm)

* Minimum concrete block size: 8 x 8 x 16 in. (203 x 203 x 406 mm).

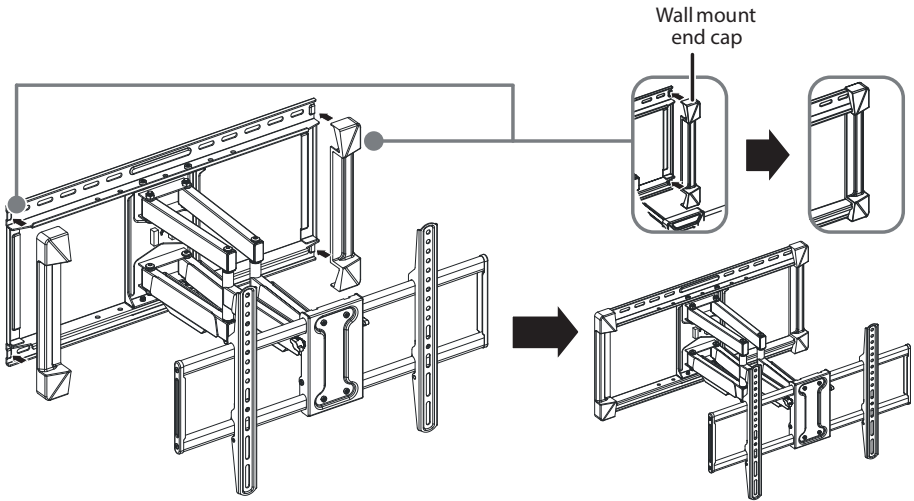
* Minimum horizontal spacing between fasteners cannot be less than 16 in. (406 mm).

You'll need



STEP 6 - Installing the wall mount end caps

- Snap a wall mount end cap on each end of the wall plate.



You'll need



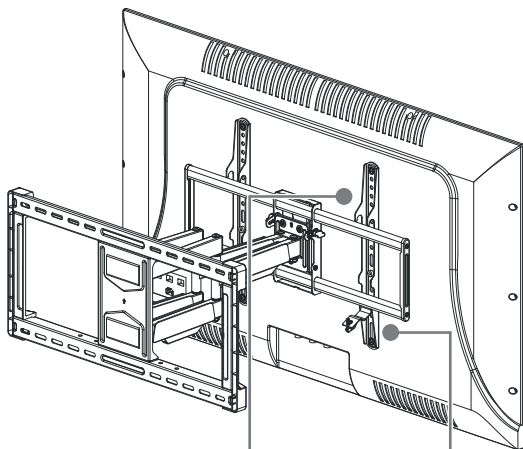
Wall mount end cap (2)

STEP 7 - Mounting the TV to the wall plate

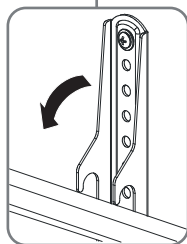


CAUTION: Prior to mounting the TV to the wall plate, grasp the top of the wall mount arm and pull down, to make sure that it is mounted firmly to the wall.

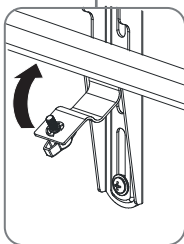
- 1 Holding the TV with the top of the screen tilted toward the wall, slide the upper edges of the right and left TV brackets into the rail on the upper lip of the wall mount arm.
- 2 Push the bottom of the TV towards the wall until the TV brackets touch the bottom rail of the wall mount arm.
- 3 Swing the bracket safety latches over the bottom rail of the wall mount arm, then secure with the thumb screws.



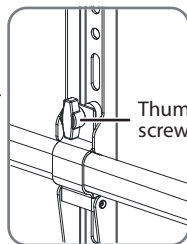
HEAVY! You will need assistance with this step.



TV brackets into wall mount arm



Bracket safety latch



Tighten thumb screws

STEP 8 - Making adjustments

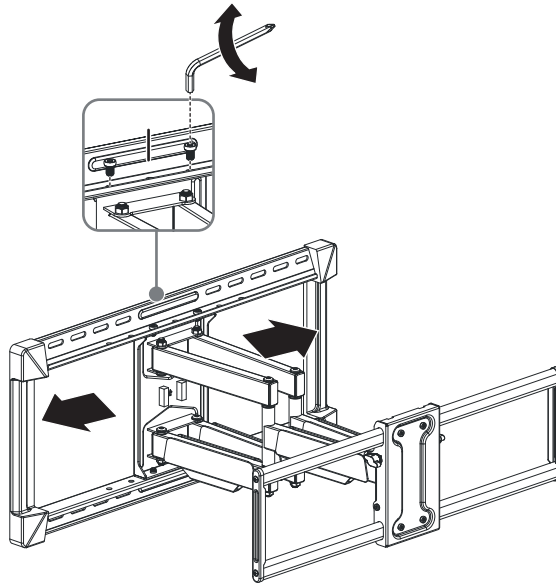


CAUTIONS:

- *Making adjustments may require two persons to complete.*
- *Your TV must be removed from the wall plate before making lateral (side-to-side) adjustments.*

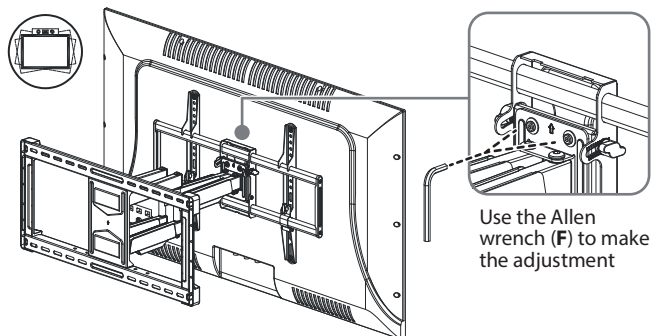
Side to side

- 1 To adjust your TV side to side, use the Allen wrench (G) to remove the two screws at the top and the two screws at the bottom of the wall plate, then reposition the TV/mounting arm assembly where you want it.
- 2 Reinstall the screws after completing the adjustment to secure the TV/mounting arm assembly to the wall plate.



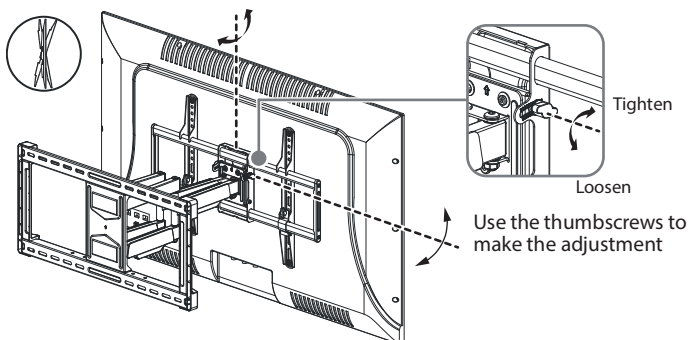
Leveling your TV

- 1 If your TV needs to be leveled, loosen the two leveling screws on the TV plate, as shown below.
- 2 Level your TV using the level (provided), then tighten the leveling screws until they are secure.



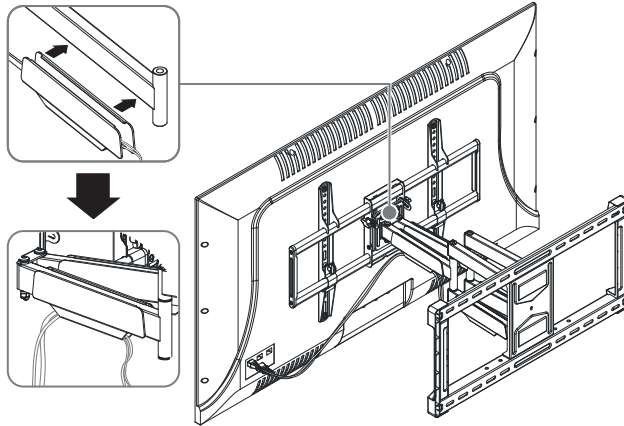
Adjusting the tilt

- 1 If the angle of your TV needs to be adjusted, loosen the two thumbscrews as shown below.
- 2 When the tilt angle is correct, tighten the thumbscrews until secure.




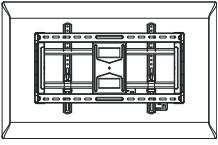
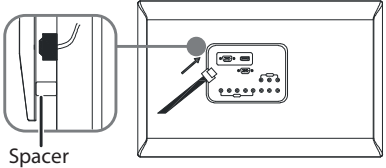
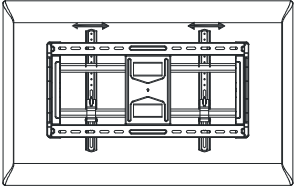
Managing cables

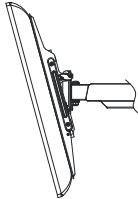
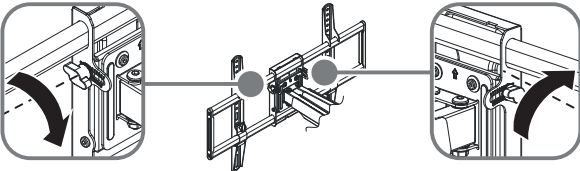
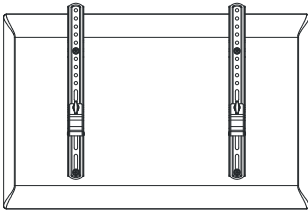
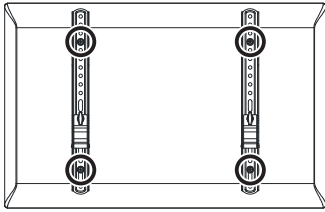
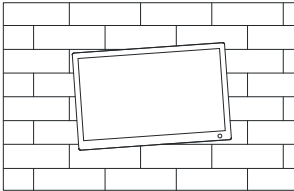
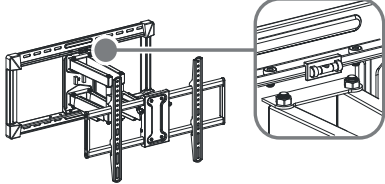
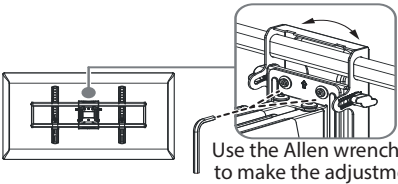
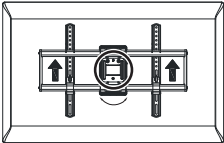
When you have completed making adjustments, use the cable management clip (provided) to keep cables out of sight and secure.

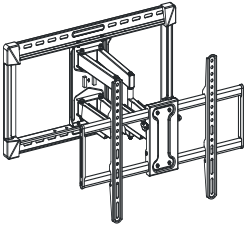
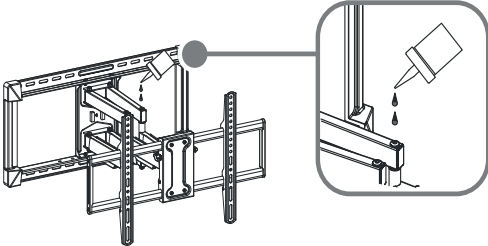
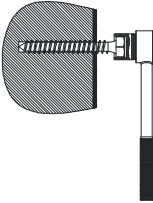
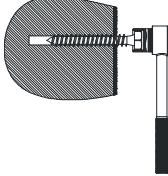

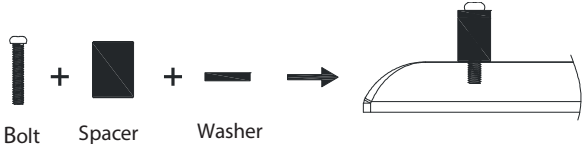
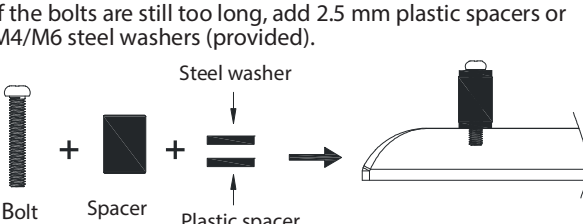


Troubleshooting

If you have a problem with your TV mount, review the following chart for a possible solution.

PROBLEM	POSSIBLE SOLUTION
<p>The TV cables are blocked by the mount or the TV brackets.</p>  	<p>Add spacers between the TV brackets and the back of the TV.</p>  <p>Spacer</p> <p>If there is room to adjust or move the bolts, move the TV bracket away from the cables.</p> 

PROBLEM	POSSIBLE SOLUTION
<p>The TV keeps tilting.</p> 	<p>Lock the thumbscrews after tightening them. See Adjusting the tilt on page 16.</p> 
<p>The TV brackets are visible from the front of the TV.</p> 	<p>Move the TV brackets downward by using higher screw holes in the brackets to mount to VESA holes.</p> 
<p>Your TV is not level or is out of balance.</p> 	<p>Make sure that the wall plate is level using the level (provided). If the wall plate is not level, adjust to correct.</p> 
	<p>Make sure that the TV plate is level. If the TV plate is not level, adjust to correct. See Leveling your TV on page 16.</p>  <p>Use the Allen wrench (F) to make the adjustment</p>
	<p>Make sure that at least two bolts mounted on the brackets are the same height, that is, position the bolts at the highest hole possible to ensure they are at the same height.</p> 

PROBLEM	POSSIBLE SOLUTION
<p>The TV arm moves stiffly or does not move smoothly.</p> 	<p>Apply a lubricant (light oil or grease) to the arm joints.</p> 
<p>The lag bolt (D) is difficult to screw into a wooden stud.</p> 	<p>If the lag bolt is damaged, contact customer service for a replacement bolt and follow the installation instructions.</p> <p>Pre-drill the pilot holes using the recommended drill size to the recommended depth.</p>  <p>Use an open end or socket wrench (not provided) instead of a power tool, which could damage the bolt.</p>
<p>The bolts are too long for the bolt holes in the TV.</p> 	<p>Add spacers and/or washers to accommodate the bolt length.</p>  <p>Bolt + Spacer + Washer</p> <p>If the bolts are still too long, add 2.5 mm plastic spacers or M4/M6 steel washers (provided).</p>  <p>Bolt + Spacer + Plastic spacer</p> <p>Steel washer</p>

Specifications

Mount Style	Tilting, Swiveling, Extending
Tilt	-15° to 5°
Maximum Weight Capacity	120 lbs. (54.43 kg)
Compatibility	42" – 90" TVs
Maximum Extension	22.3" (56.6 cm)
Minimum Extension	3.1" (7.9 cm)
Dimensions (H x W x D)	17.2 x 28.1 x 3.1 in. (43.6 x 71.4 x 7.9 cm)

ONE-YEAR LIMITED WARRANTY

Definitions:

The Distributor* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at www.bestbuy.com or www.bestbuy.ca and is packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location or from a Best Buy online website (www.bestbuy.com or www.bestbuy.ca), please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States and Canada call 1-877-467-4289. Call agents may diagnose and correct the issue over the phone.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the country where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Food, beverage, and or medicine loss/spoilage.
- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold “as is” or “with all faults”
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

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Contact Insignia:

1-877-467-4289

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