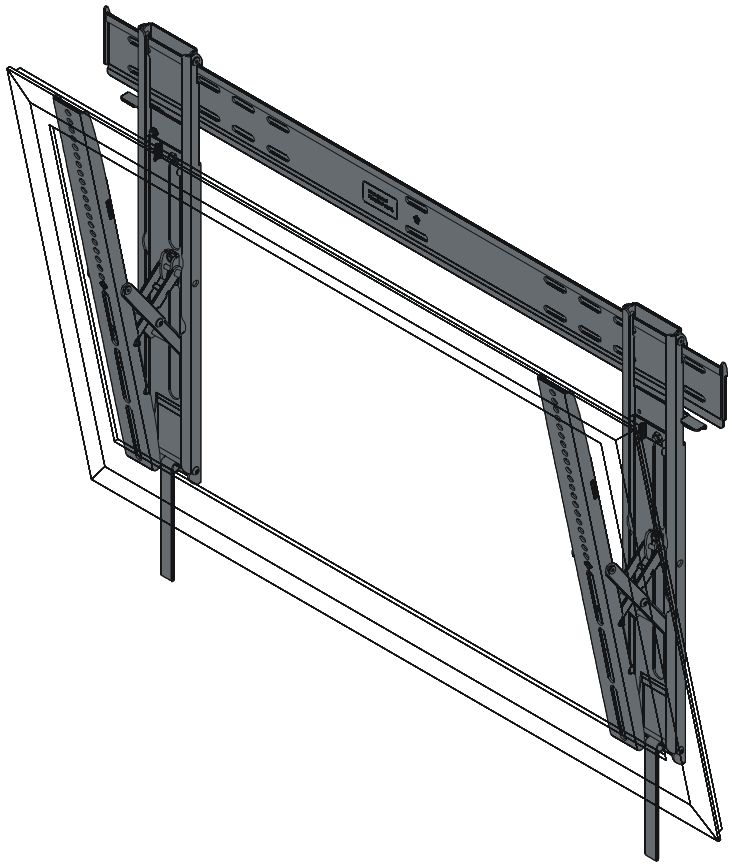
# INSTALLATION INSTRUCTIONS



## Thinstall™ Large Tilt Universal Mount

CHIEF®
Our Mounts. **Your Vision.**

LTTU

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## IMPORTANT SAFETY INSTRUCTIONS!

**WARNING:** A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

**CAUTION:** A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

**WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

**WARNING:** Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located between the LTTU up to (and including) the display does not exceed 100 lbs (45.4 kg). The wall to which the mount is being attached may have a maximum drywall thickness of 5/8" (1.6cm).

**WARNING:** The depth of the display cannot exceed 2 inches (50.8 mm).

**WARNING:** The LTTU fits all hole patterns between 200 x 200 mm and 800 x 500 mm.

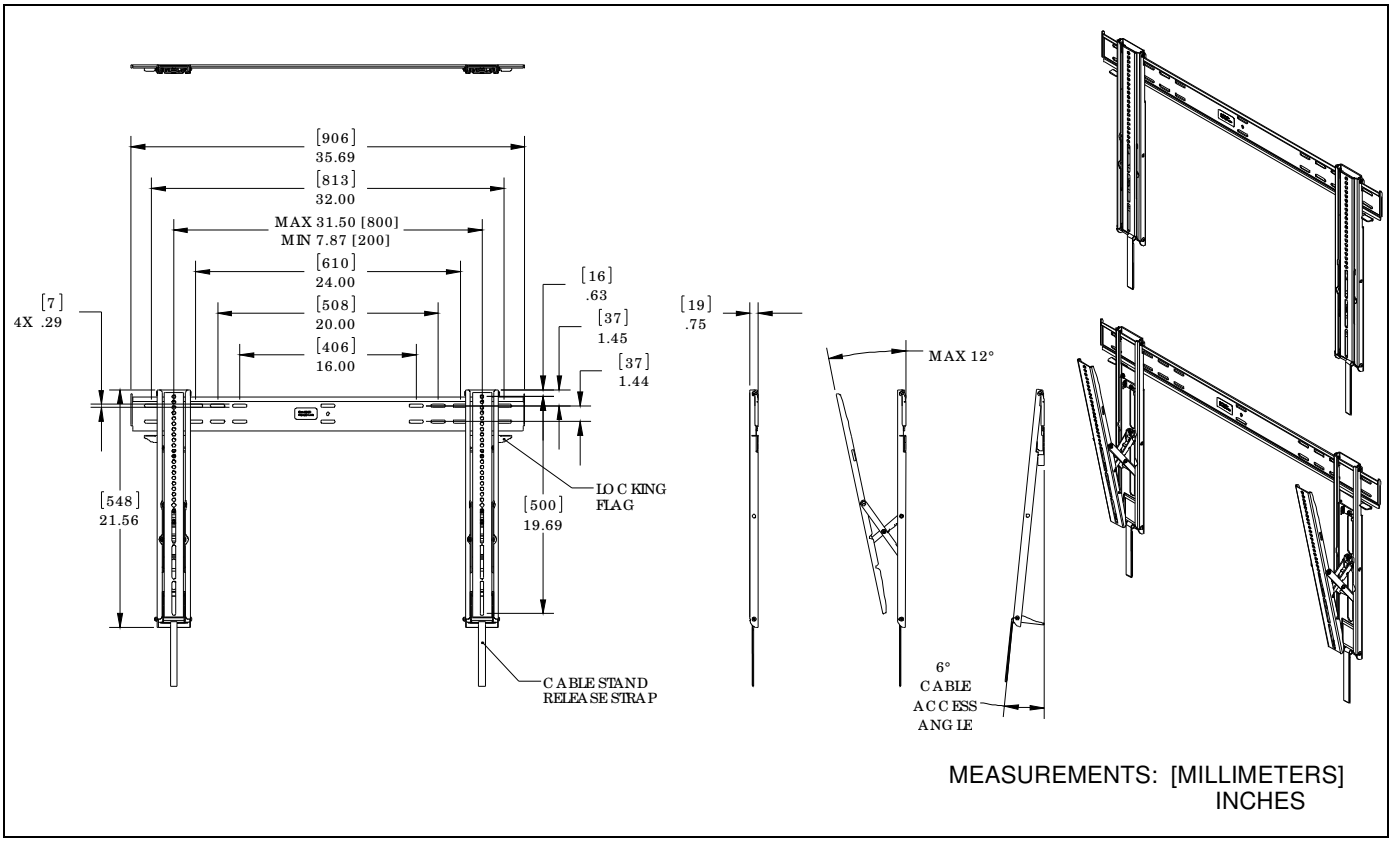
**WARNING:** Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

**WARNING:** Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

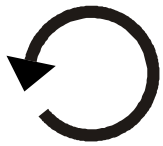
**WARNING:** Do not use this product outdoors.

**--SAVE THESE INSTRUCTIONS--**

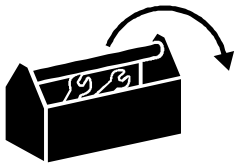
## DIMENSIONS


[906]
35.69
[813]
32.00
MAX 31.50 [800]
MIN 7.87 [200]
[610]
24.00
[508]
20.00
[406]
16.00
[7]
4X .29
[16]
.63
[37]
1.45
[37]
1.44
[548]
21.56
[500]
19.69
LOCKING
FLAG
CABLE STAND
RELEASE STRAP
[19]
.75
MAX 12°
6°
CABLE
ACCESS
ANGLE
MEASUREMENTS: [MILLIMETERS]
INCHES

## LEGEND

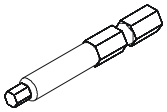
| | |
|---|---|
|  | Tighten Fastener<br>Apretar elemento de fijación<br>Befestigungsteil festziehen<br>Apertar fixador<br>Serrare il fissaggio<br>Bevestiging vastdraaien<br>Serrez les fixations |
|  | Loosen Fastener<br>Aflojar elemento de fijación<br>Befestigungsteil lösen<br>Desapertar fixador<br>Allentare il fissaggio<br>Bevestiging losdraaien<br>Desserrez les fixations |
|  | Phillips Screwdriver<br>Destornillador Phillips<br>Kreuzschlitzschraubendreher<br>Chave de fendas Phillips<br>Cacciavite a stella<br>Kruiskopschroevendraaier<br>Tournevis à pointe cruciforme |
|  | Open-Ended Wrench<br>Llave de boca<br>Gabelschlüssel<br>Chave de bocas<br>Chiave a punte aperte<br>Steeksleutel<br>Clé à fourche |
|  | By Hand<br>A mano<br>Von Hand<br>Com a mão<br>A mano<br>Met de hand<br>À la main |
|  | Hex-Head Wrench<br>Llave de cabeza hexagonal<br>Sechskantschlüssel<br>Chave de cabeça sextavada<br>Chiave esagonale<br>Zeskantsleutel<br>Clé à tête hexagonale |
|  | Pencil Mark<br>Marcar con lápiz<br>Stiftmarkierung<br>Marcar com lápis<br>Segno a matita<br>Potloodmerkteken<br>Marquage au crayon |
|  | Drill Hole<br>Perforar<br>Bohrloch<br>Fazer furo<br>Praticare un foro<br>Gat boren<br>Percez un trou |
|  | Adjust<br>Ajustar<br>Einstellen<br>Ajustar<br>Regolare<br>Afstellen<br>Ajuster |
|  | Remove<br>Quitar<br>Entfernen<br>Remover<br>Rimuovere<br>Verwijderen<br>Retirez |
|   | Optional<br>Opcional<br>Optional<br>Opcional<br>Opzionale<br>Optie<br>En option |
|  | Security Wrench<br>Llave de seguridad<br>Sicherheitsschlüssel<br>Chave de segurança<br>Chiave di sicurezza<br>Veiligheidssleutel<br>Clé de sécurité |

## TOOLS REQUIRED FOR INSTALLATION

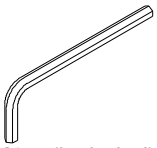




3/16" (4.8mm)
5/16" (7.9mm)



M4 (included)

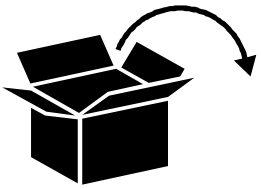


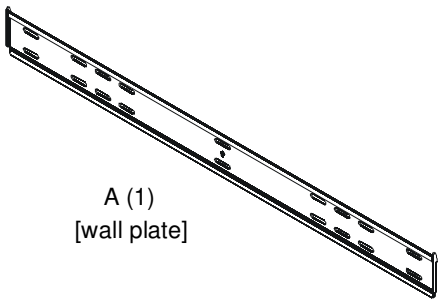
M2.5 (included)
M3 (included)
M4 (included)
M5 (included)
3/16" (included)



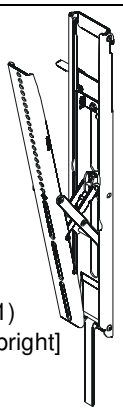



## PARTS

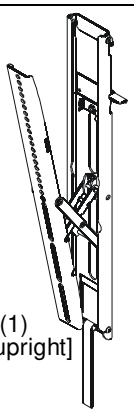




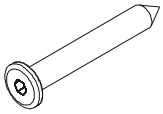
A (1)
[wall plate]



B (1)
[left upright]



C (1)
[right upright]



D (6)
M7 x 70



E (4)
M4 x 12



F (4)
M5 x 12



G (4)
M6 x 12



H (4)
M4 x 25



J (4)
M5 x 25



K (4)
M6 x 25



L (4)
M8 x 25



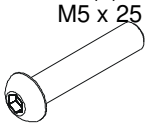
M (4)
M8 x 20



N (4)
M8 x 16



P (4)
M8 x 10



Q (4)
M8 x 40



R (4)
#10



S (4)
shoulder washer for
M4 and M5 screws



T (4)
shoulder washer for
M6 screws



U (4)
.25"



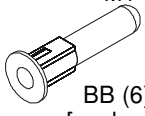
V (4)
.5"



W (1)
M5



X (1)
M4



BB (6)
[anchor]



Y (1)
M3



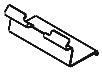
Z (1)
M2.5



AA (1)
3/16"



CC (1)
M4



DD (2)
[extra spring clip]

## Assembly And Installation

### Wall Plate Installation Using Wood Studs

1. Determine location for mount keeping in mind display size and safety requirements.
2. Use stud finder to locate studs. Wall plate can be mounted on 2" x 4" wood studs either 16", 20" or 24" apart for double-stud mounting. For triple-stud mounting, studs must be 16" apart.
3. Remove and discard two plastic shipping parts from the wall plate (one from each end). (See Figure 1)

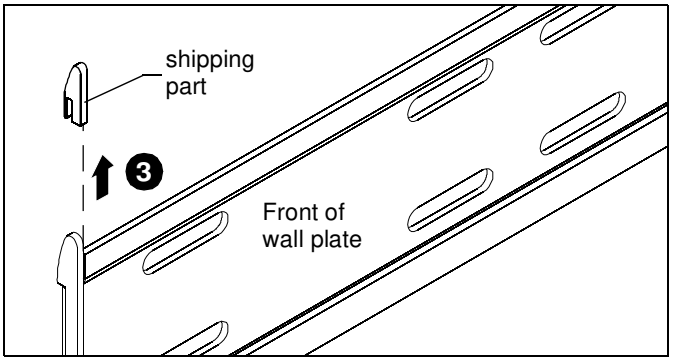



**Figure 1**

4. Using wall plate as template, mark and then drill four or six (for triple-stud mounting) 3/16" diameter pilot holes through mounting surface making sure the holes are centered in the middle of each stud. Holes must be drilled at least 2-1/4" deep. (See Figure 1)
5. Install four or six connector screws (D) through wall plate and into pilot holes using M4 Allen Head bit (CC). (See Figure 1)

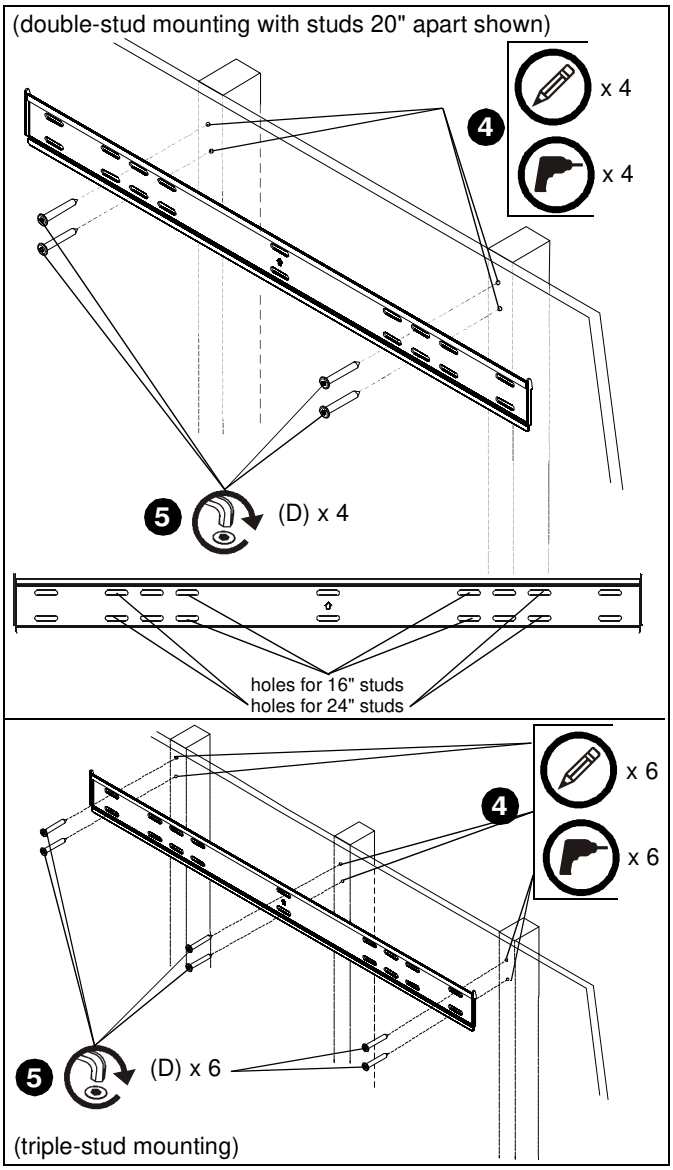



**Figure 2**

### Wall Plate Installation into Concrete, Concrete Block or Brick

**WARNING:** INSTALLING THE LTTU INTO UNDERRATED OR DAMAGED CONCRETE CAN LEAD TO SERIOUS INJURY OR DAMAGE TO PRODUCT! When installing into concrete, only install the LTTU into concrete at least 8" in depth or into 8"x8"x16" concrete blocks! Never install the LTTU into cracked, chipped or flaking concrete.

1. Determine location for mount keeping in mind display size and safety requirements.

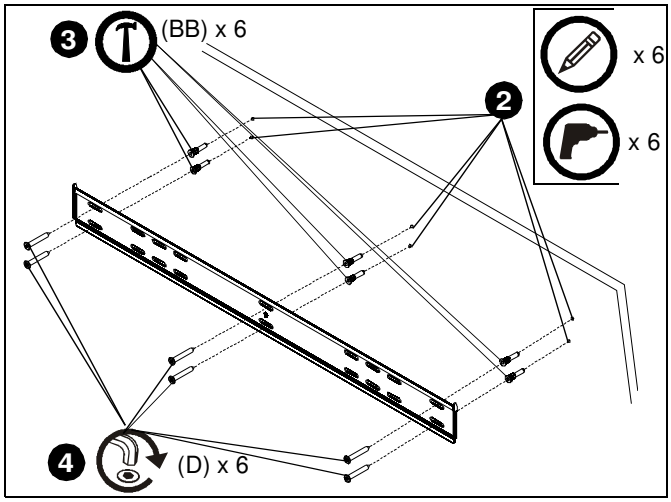



**Figure 3**

2. Using wall plate as a template, mark and then drill six 5/16" diameter pilot holes through mounting surface. Use level to make sure wall plate is perfectly horizontal. Holes must be drilled at least 2-1/4" deep. (See Figure 3)
3. Install six anchors (BB) into pilot holes drilled in Step 2. Use a hammer to lightly tap anchors into holes. (See Figure 3)
4. Install six connector screws (D) through wall plate holes and into anchors. (See Figure 3)

### Display Installation

1. Lay display face side down on a level, non-abrasive surface. Lay down a cloth if necessary to avoid scratching the screen.
2. Position left and right interface brackets (B and C) over holes in back of display to determine which holes will be used for installation. (See Figure 4)

**NOTE:** Interface brackets should be positioned so that the diamond hole in the bracket is located halfway between the installation holes in order to ensure proper weight distribution. Brackets may need to be expanded to tilt position in order to expose installation holes.

**NOTE:** Cable management pull straps should be easily accessible underneath the display. Length of straps can be adjusted if necessary.

**NOTE:** Spacers may not be required depending on the type of display being mounted. They will typically only be used with recessed or bump-out back screens.

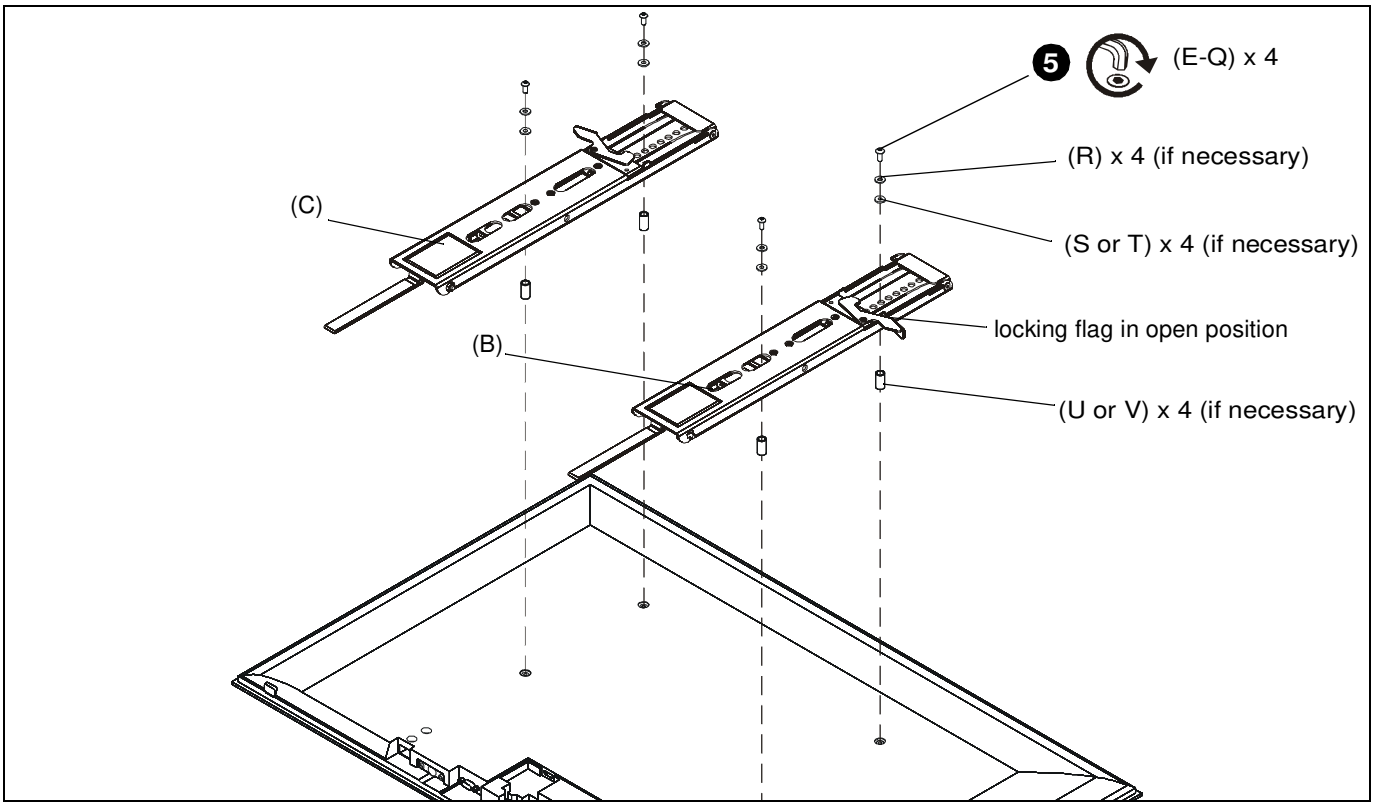



**Figure 4**

3. Determine which screws to use to connect interface brackets to display. Use the screws that fit into the holes on the back of the display. Make sure screws can make at least three full turns into mounting holes. If not, select longer screw from hardware kit.

4. Determine which washers and shoulder washers to use with the corresponding screw. Refer to table below for details.

| Screw Size | Washers | Shoulder Washers |
|---|---|---|
| M4 | use R | use S |
| M5 | use R | use S |
| M6 | none | use T |
| M8 | none | none |

5. Install four button head cap screws (E-Q) through required washers (R) and spacers (S or T), interface brackets (B and C), spacers (U or V) and into holes on back of display. (See Figure 4)

**WARNING:** IMPROPER INSTALLATION CAN LEAD TO MOUNT FALLING CAUSING SEVERE PERSONAL INJURY OR DAMAGE TO EQUIPMENT. Displays can weigh in excess of 40 lbs (18.1 kg). ALWAYS use two people and proper lifting techniques when installing display.

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer's responsibility to make sure the combined weight of all components located between the LTTU up to (and including) the display does not exceed 100 lbs (45.4 kg).

**NOTE:** Make sure locking flags are in the open position before attaching display to wall plate. Flags are shown in the open position in Figure 4.

**NOTE:** Display can be adjusted horizontally as long as guide hooks are securely attached to wall plate.

6. While supporting both sides of display, lift display up to the wall plate on the wall.

7. Slowly guide hooks on top of interface brackets on top of wall plate in desired mounting location. (See Figure 5)

8. Slowly swing display toward wall. (See Figure 5)

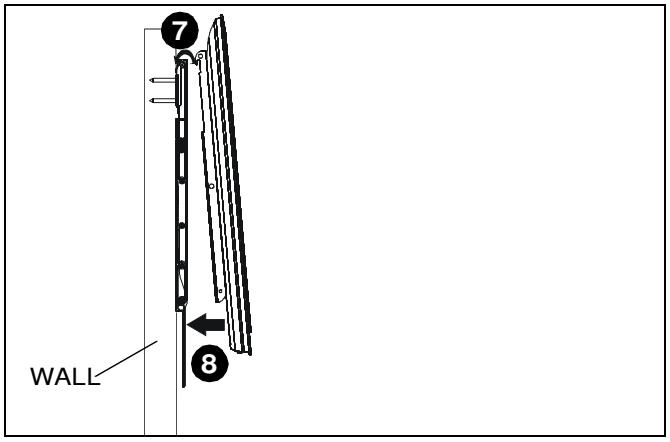



**Figure 5**

9. Rotate flags on each interface bracket down to the closed position in order to lock brackets to wall plate. (See Figure 6)

**NOTE:** Flags should stay in locked position unless removing display from wall bracket.

**NOTE:** Display should be held in full vertical position by spring clips on uprights. For some larger displays, a second spring clip (DD) may be required in order to hold the display in the full vertical position. See "Extra Spring Clip Installation" Section for details.

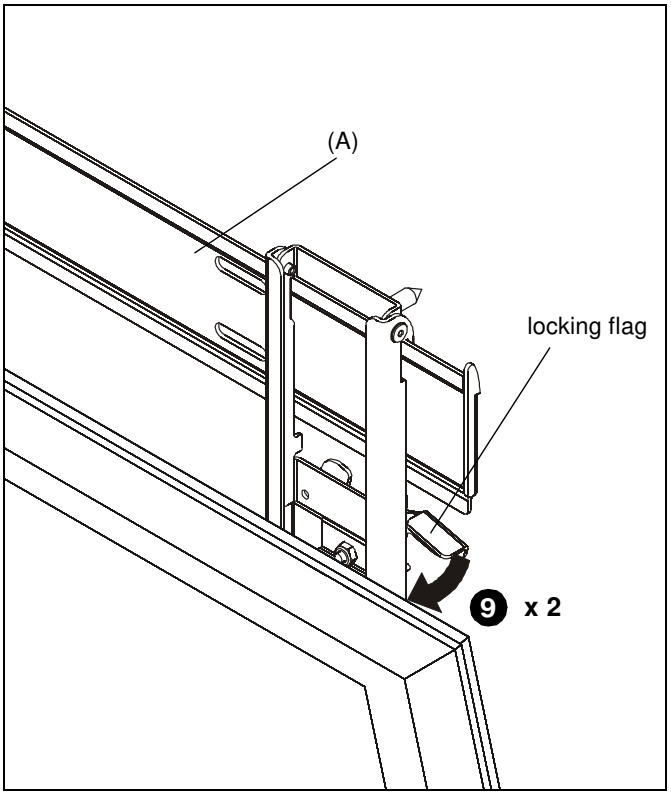



**Figure 6**

## Tilt Adjustment

1. Display may be tilted forward by pulling forward on the top of the display as desired. (See Figure 7)

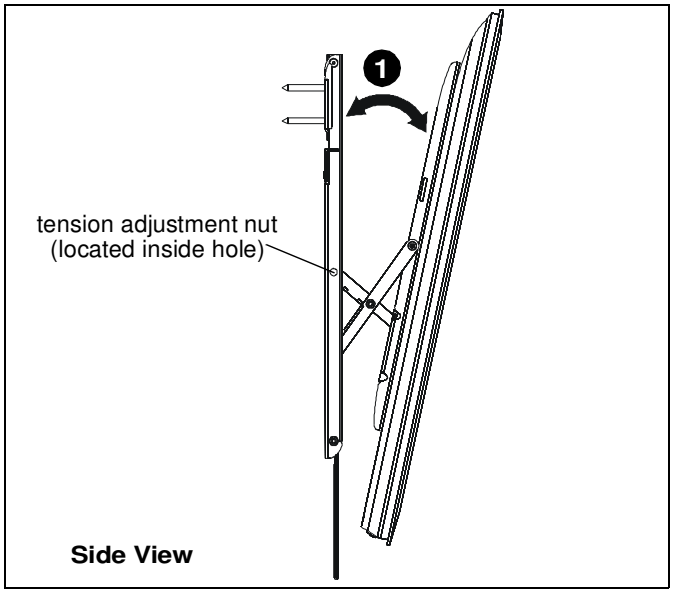



**Figure 7**

2. Tilt tension is adjustable by using 3/16" hex key (AA) in the tension adjustment nut. (See Figure 7)

**NOTE:** Tension should be adjusted equally on each bracket to ensure even tension distribution.

**NOTE:** Due to the low profile of the Thinstall Series, certain displays may have limited tilt capabilities.

3. To return display to full vertical position, push display back against wall until spring clips secure display in vertical position.

## Extra Spring Clip Installation (for larger displays)

**IMPORTANT ! :** Display should be held in vertical position by spring clips. Listen for clicking sound when returning display to the full vertical position. For larger displays, a second spring clip (DD) may be added to each upright so that the display can be held in the full vertical position by these clips. Follow steps below to install the extra spring clip.

1. Remove display and attached uprights from wall plate (A) to gain access to spring clip screws.
2. Pull out display from uprights to expose existing spring clips.
3. Remove hex nuts and screws holding spring clips to uprights. (See Figure 8)
4. Use removed hex nuts and screws to install additional spring clips (DD) along with removed spring clips onto uprights. (See Figure 8)

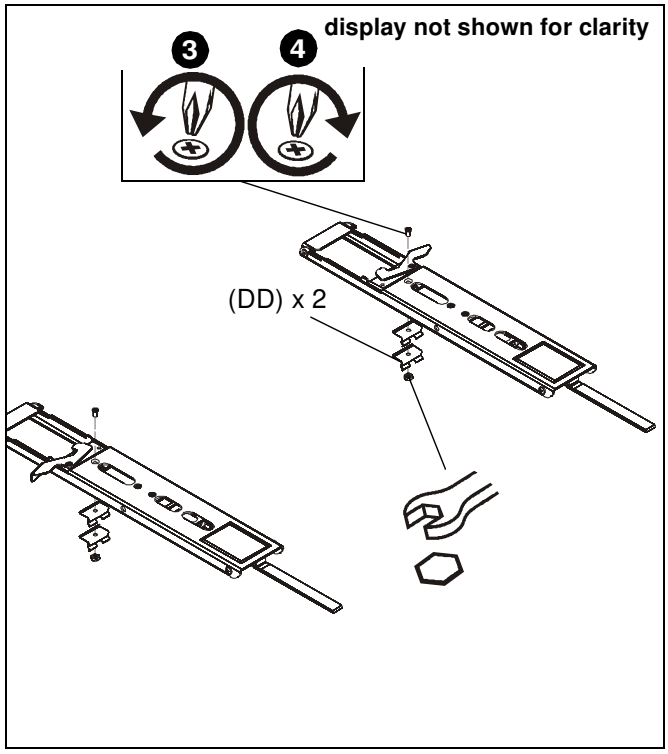



**Figure 8**

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