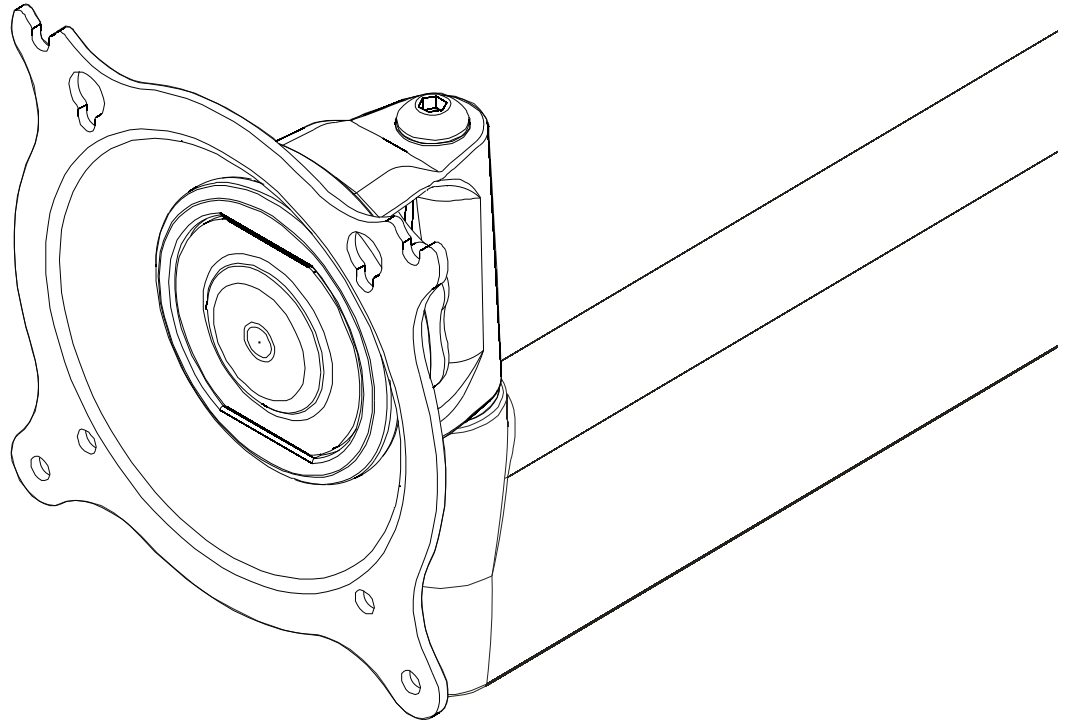


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# INSTALLATION INSTRUCTIONS

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## Turntite Centris Head Accessory

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**Touchboards**

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Fax: (732)-222-7088 | E-mail: [sales@touchboards.com](mailto:sales@touchboards.com)

**DISCLAIMER**

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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:** 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 does not exceed the weight capacity of the product to which this accessory is attached.

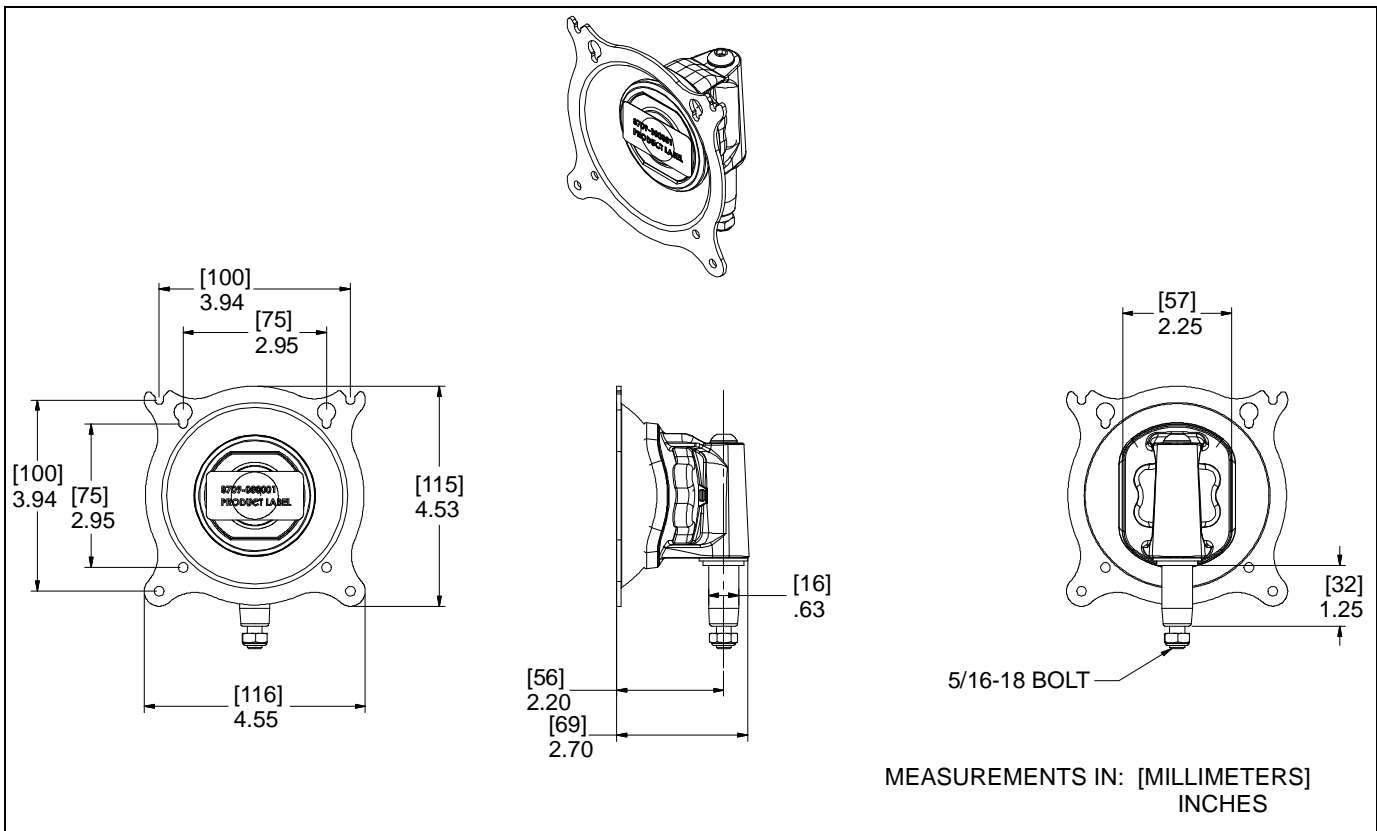
**! WARNING:** Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

**! 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--**

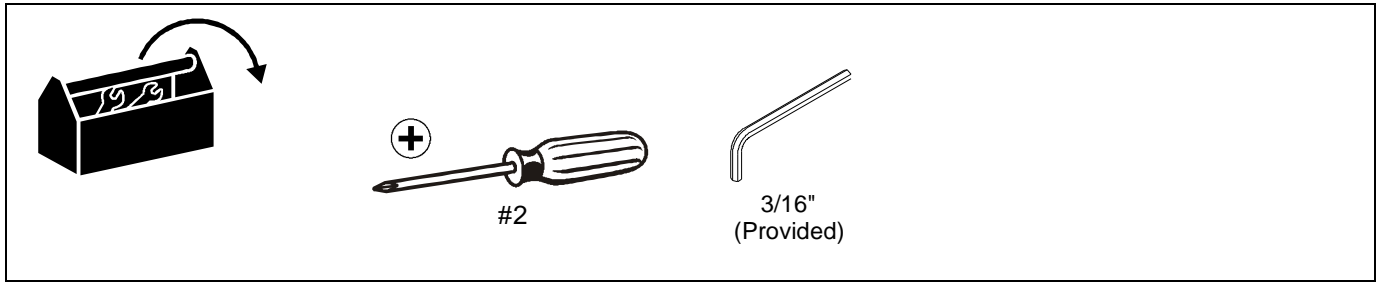
**DIMENSIONS**



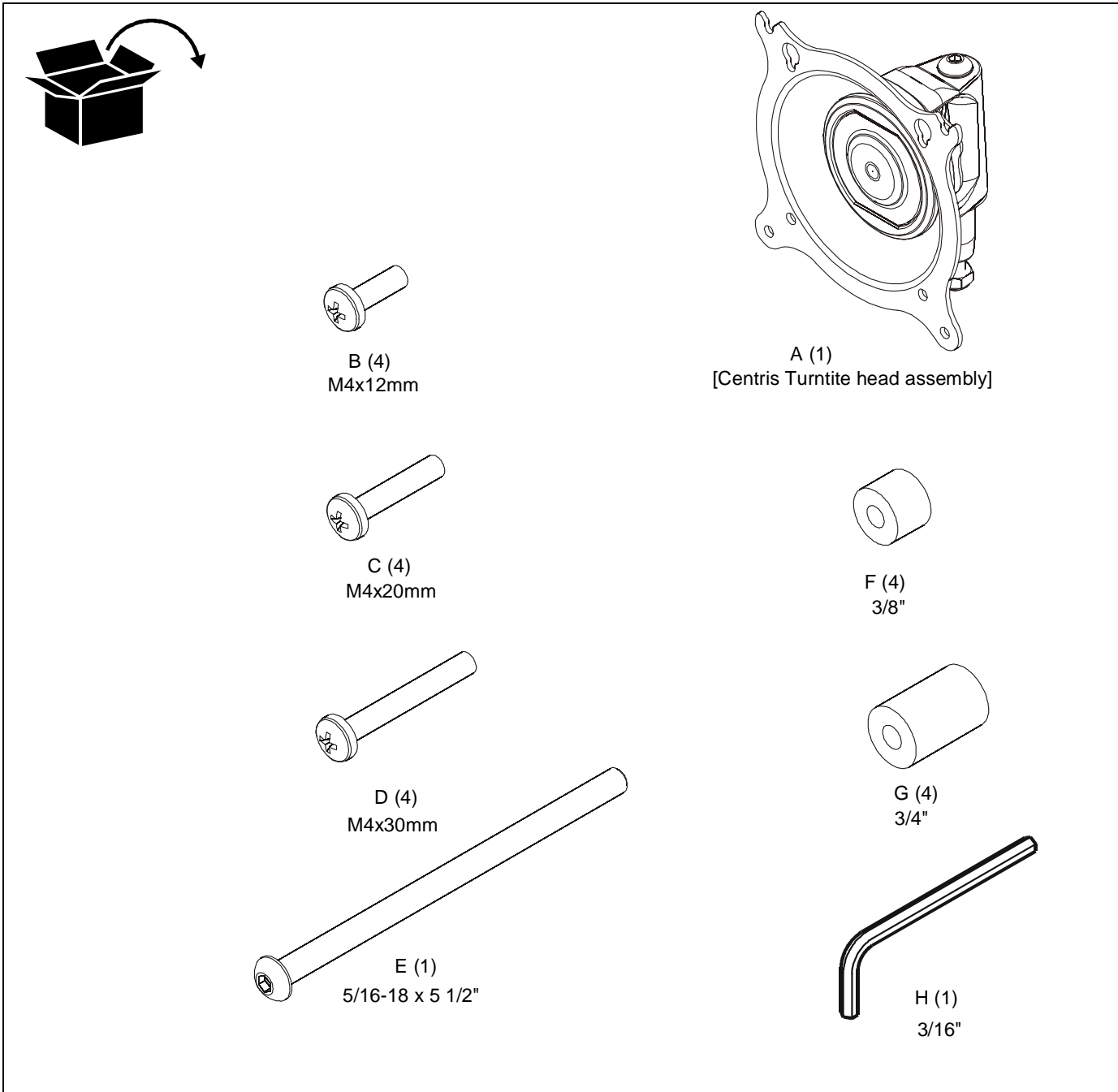
**LEGEND**

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

### TOOLS REQUIRED FOR INSTALLATION



### PARTS



**INSTALLATION**

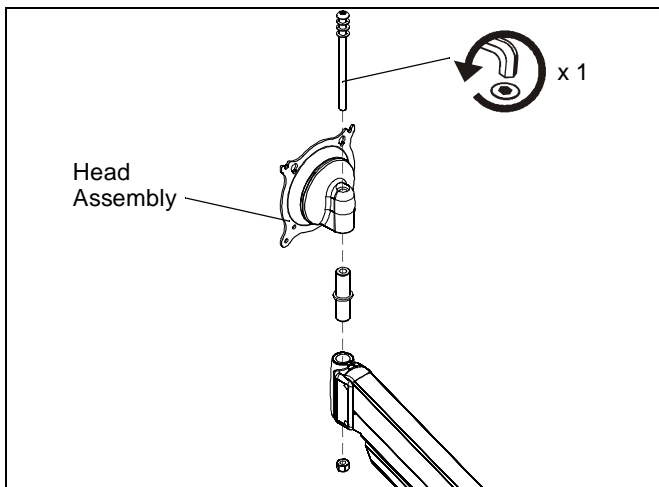


**WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! DO NOT substitute hardware! Use only hardware provided by manufacturer.



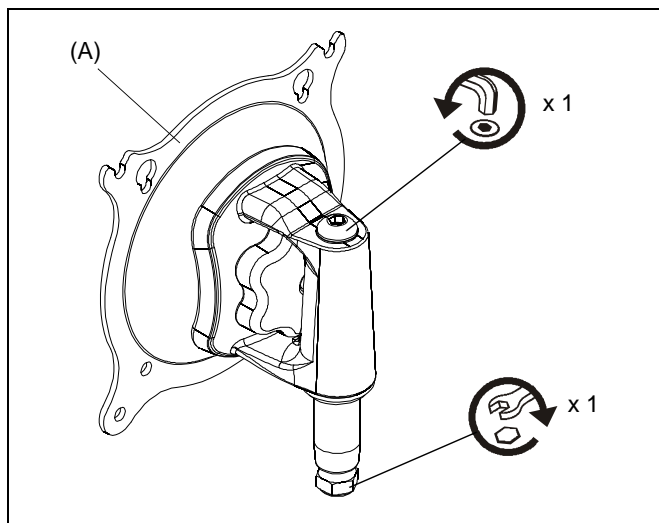
**WARNING:** EXCEEDING THE WEIGHT CAPACITY CAN RESULT IN SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! It is the installer's responsibility to make sure the combined weight of all components does not exceed the weight capacity of the product to which this accessory is attached.

1. Loosen nut at bottom of head assembly and button head cap screw at top to remove head assembly. (See Figure 1)



**Figure 1**

2. Loosen and remove nut at bottom of KSA-1019 assembly (A) and button head cap screw at top. (See Figure 2)

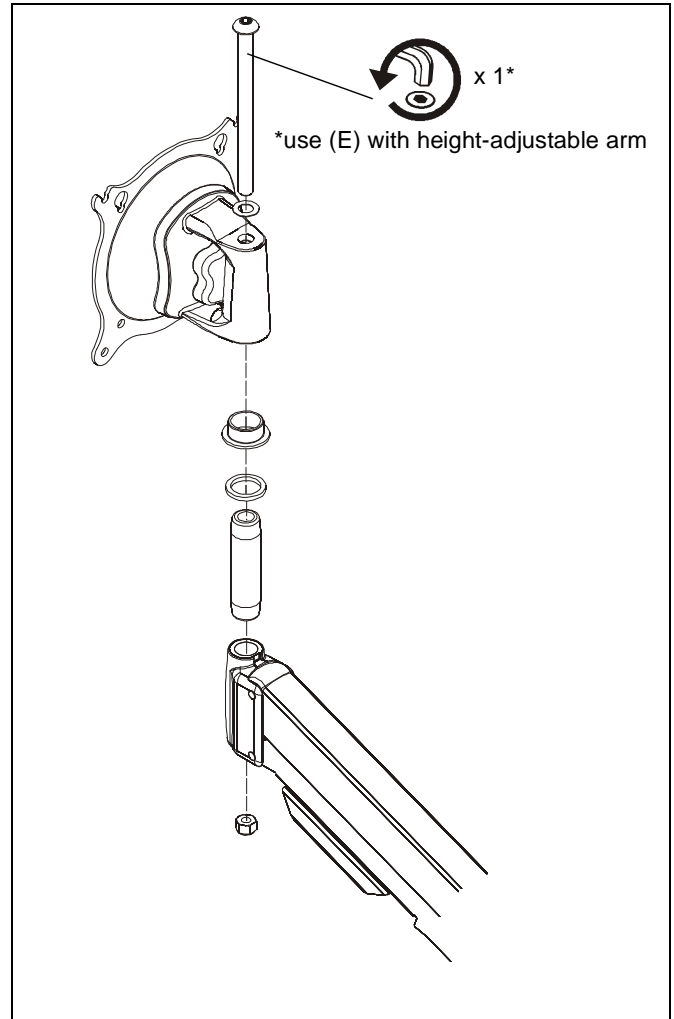


**Figure 2**

3. Place new head assembly on arm, tightening the button head cap screw and nut. (See Figure 3)

**NOTE:** If mounting to height-adjustable arm, the 5/16-18 x 5 1/2" button head cap screw (E) must be used in place of the screw pre-assembled on the assembly.

**IMPORTANT ! :** All pre-assembled washers and spacers must be reassembled when attaching KSA1019 to mounting arm. (See Figure 3)



**Figure 3**

## DISPLAY INSTALLATION

The mounting holes on the back of the display will be *flush with* the back surface, or *recessed into* the back. Refer to the applicable installation procedure below.

**NOTE:** Ensure Centris Turntite head is able to swivel and tilt easily, yet still be tight enough to hold display in desired position. Adjust as required before proceeding. See **Adjustments** section for details.

### Swing Arm Flush Display Installation



**CAUTION:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display! Proper screws will easily and completely thread into display mounting holes.



**CAUTION:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Inadequate thread engagement in display may cause display to fall! Back out screws **ONLY** as necessary to allow installation of Centris Turntite head!

1. Using Phillips screwdriver, carefully install two M4 x 12mm Phillips screws (B) into the *upper* mounting holes on the display. Thread screws completely into display, then back out 3 complete turns. (See Figure 4)
2. Align two screws (B) (installed on the back of the display in the previous step) with the two top teardrop mounting holes on the Centris cup.



**CAUTION:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Smaller area of teardrop mounting holes must be facing downward for proper installation. Reposition Centris Turntite head if required.

3. Using Phillips screwdriver, install two screws M4 x 12mm Phillips screws (B) through the *lower* mounting holes in Centris Turntite head into the display. (See Figure 4)
4. Tighten all four screws (B). Do not overtighten!

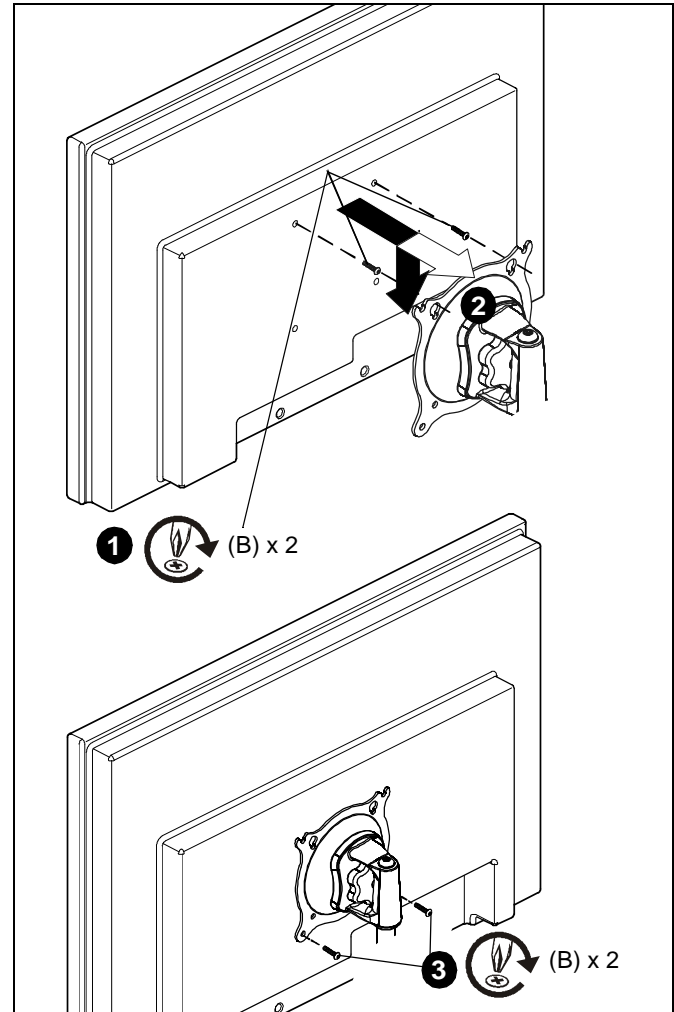


Figure 4

### Swing Arm Recessed Display Installation

- Carefully place display face down on a clean and dry surface.
- Determine depth of recessed mounting holes relative to back surface of display.
- Select proper length spacer and screw from table below:

IF recess DEPTH is:	THEN use spacer:	AND screw:
3/8" or less	F (3/8" long)	C (M4 x 20mm)
More than 3/8" up to and including 3/4"	G (3/4" long)	D (M4 x 30mm)

**IMPORTANT !** : All spacers used should be the same length. If the recess depths result in multiple spacer lengths, then select the longer spacer.

- Place the four (F or G) spacers over each mounting hole on the back of display. (See Figure 5)
- Orient mount so that mounting holes in the Centris Turntite head are aligned with the holes in the spacers (F or G). Rotate the Centris Turntite head as required (See Figure 5).



**CAUTION:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display! Proper screws will easily and completely thread into display mounting holes.

- Using Phillips screwdriver, install four Phillips screws (C or D) through the mounting holes in Centris Turntite head and the spacers (F or G), into display. (See Figure 5)
- Tighten all four screws. Do not overtighten!
- Return to mount installation section to continue.

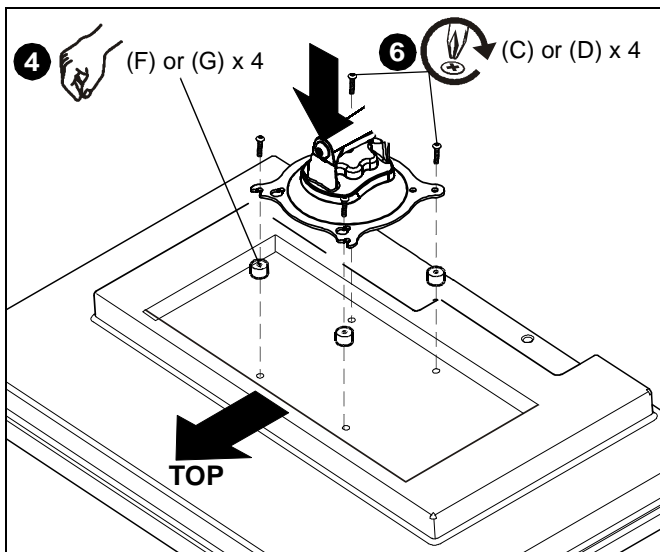


Figure 5

### Adjustments

The KSA1019 provides for Pitch, Roll, Yaw and display pivot tension adjustment.

To adjust display Pitch/Roll/ Yaw tension:

- Turn adjustment knob, located on back of Centris Turntite head, clockwise to increase tension or counter-clockwise to decrease. (See Figure 6)

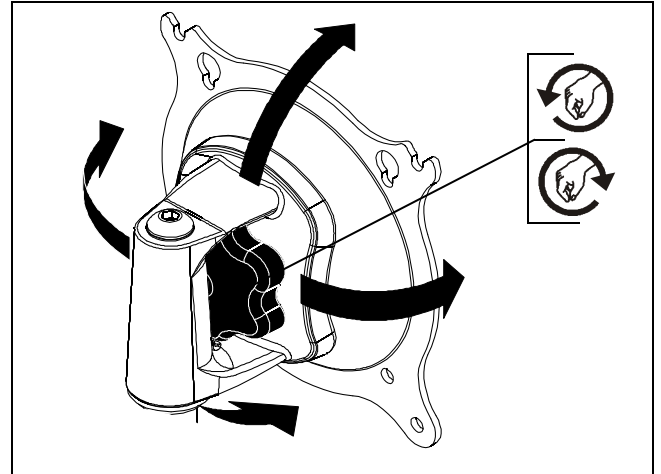


Figure 6

To adjust display pivot tension:

- Using hex wrench provided (G), turn adjustment screw clockwise to increase tension or counter-clockwise to decrease tension. (See Figure 7)

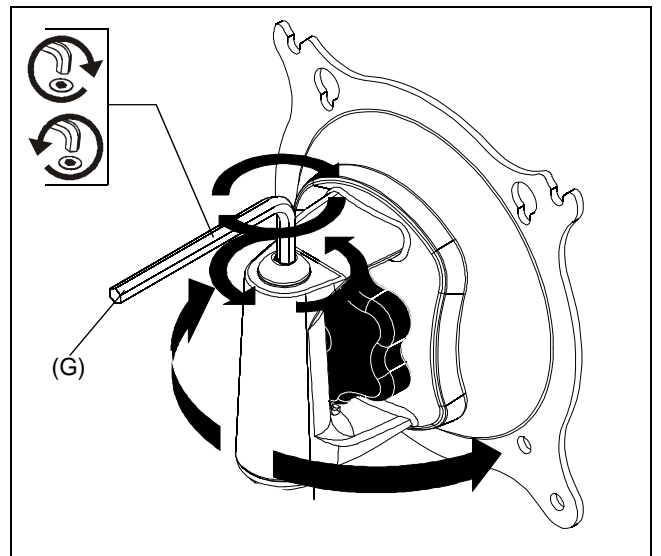


Figure 7



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