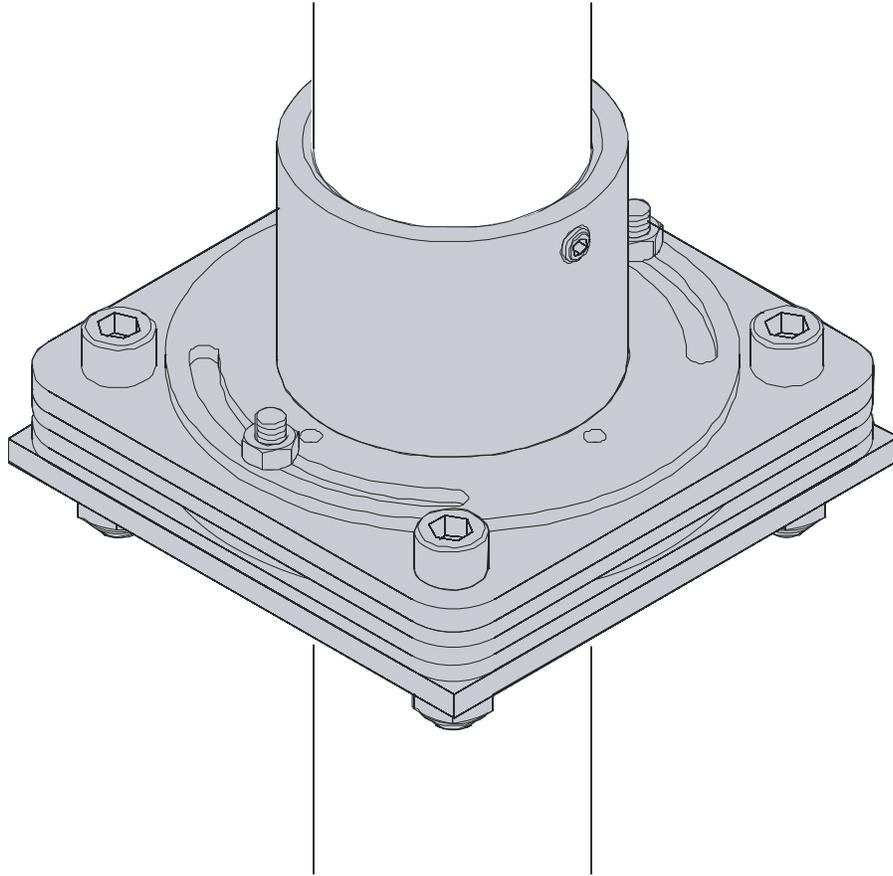


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# INSTALLATION INSTRUCTIONS

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**Heavy Duty Swivel Adapter**

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## DISCLAIMER

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## ⚠ IMPORTANT WARNINGS AND CAUTIONS!

**⚠ 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.

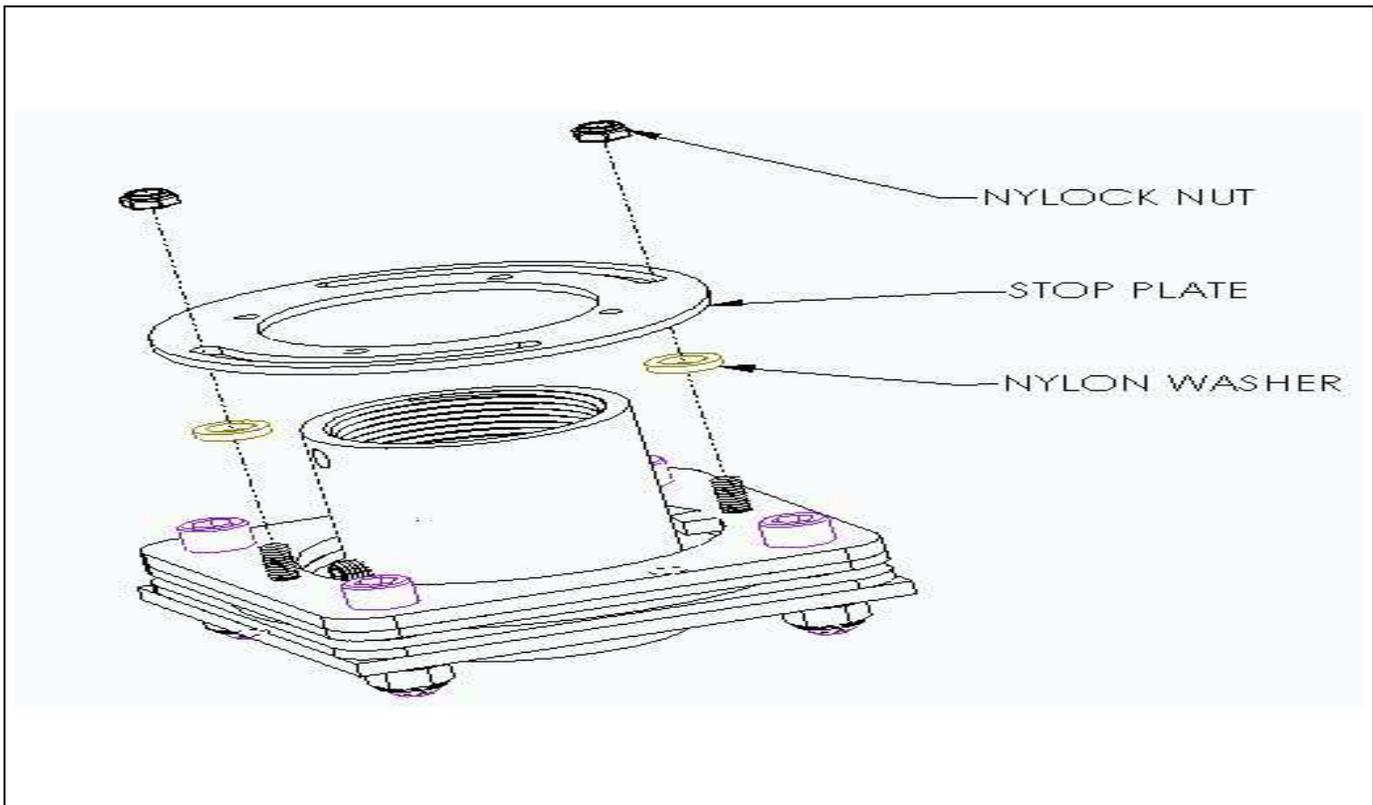
**⚠ WARNING:** Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer's responsibility to make sure all components are properly assembled and installed using the instructions provided.

**⚠ 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 CMA351 up to (and including) the display/projector does not exceed 500 lbs (226.8 kg).

- The weight capacity of the CMA351 may be LIMITED to the lowest weight capacity of any other component located between the CMA351 and the supporting structure!

## DIMENSIONS



**LEGEND**

	<b>Tighten Fastener</b>
	Apretar elemento de fijación
	Befestigungsteil festziehen
	Apertar fixador
	Serrare il fissaggio
	Bevestiging vastdraaien
Serrez les fixations	

	<b>Pencil Mark</b>
	Marcar con lápiz
	Stiftmarkierung
	Marcar com lápis
	Segno a matita
	Potloodmerkten
Marquage au crayon	

	<b>Loosen Fastener</b>
	Aflojar elemento de fijación
	Befestigungsteil lösen
	Desapertar fixador
	Allentare il fissaggio
	Bevestiging losdraaien
Desserrez les fixations	

	<b>Drill Hole</b>
	Perforar
	Bohrloch
	Fazer furo
	Praticare un foro
	Gat boren
Percez un trou	

	<b>Phillips Screwdriver</b>
	Destornillador Phillips
	Kreuzschlitzschraubendreher
	Chave de fendas Phillips
	Cacciavite a stella
	Kruiskopschroevendraaier
Tournevis à pointe cruciforme	

	<b>Adjust</b>
	Ajustar
	Einstellen
	Ajustar
	Regolare
	Afstellen
Ajuster	

	<b>Open-Ended Wrench</b>
	Llave de boca
	Gabelschlüssel
	Chave de bocas
	Chiave a punte aperte
	Steeksleutel
Clé à fourche	

	<b>Remove</b>
	Quitar
	Entfernen
	Remover
	Rimuovere
	Verwijderen
Retirez	

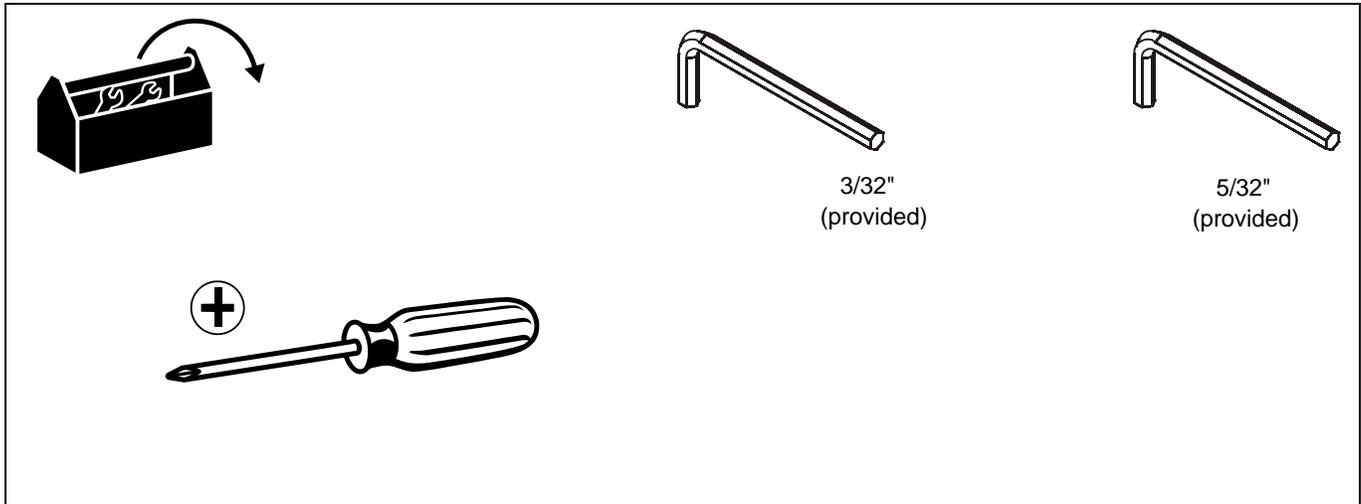
	<b>By Hand</b>
	A mano
	Von Hand
	Com a mão
	A mano
	Met de hand
À la main	

	<b>Optional</b>
	Opcional
	Optional
	Opcional
	Opzionale
	Optie
En option	

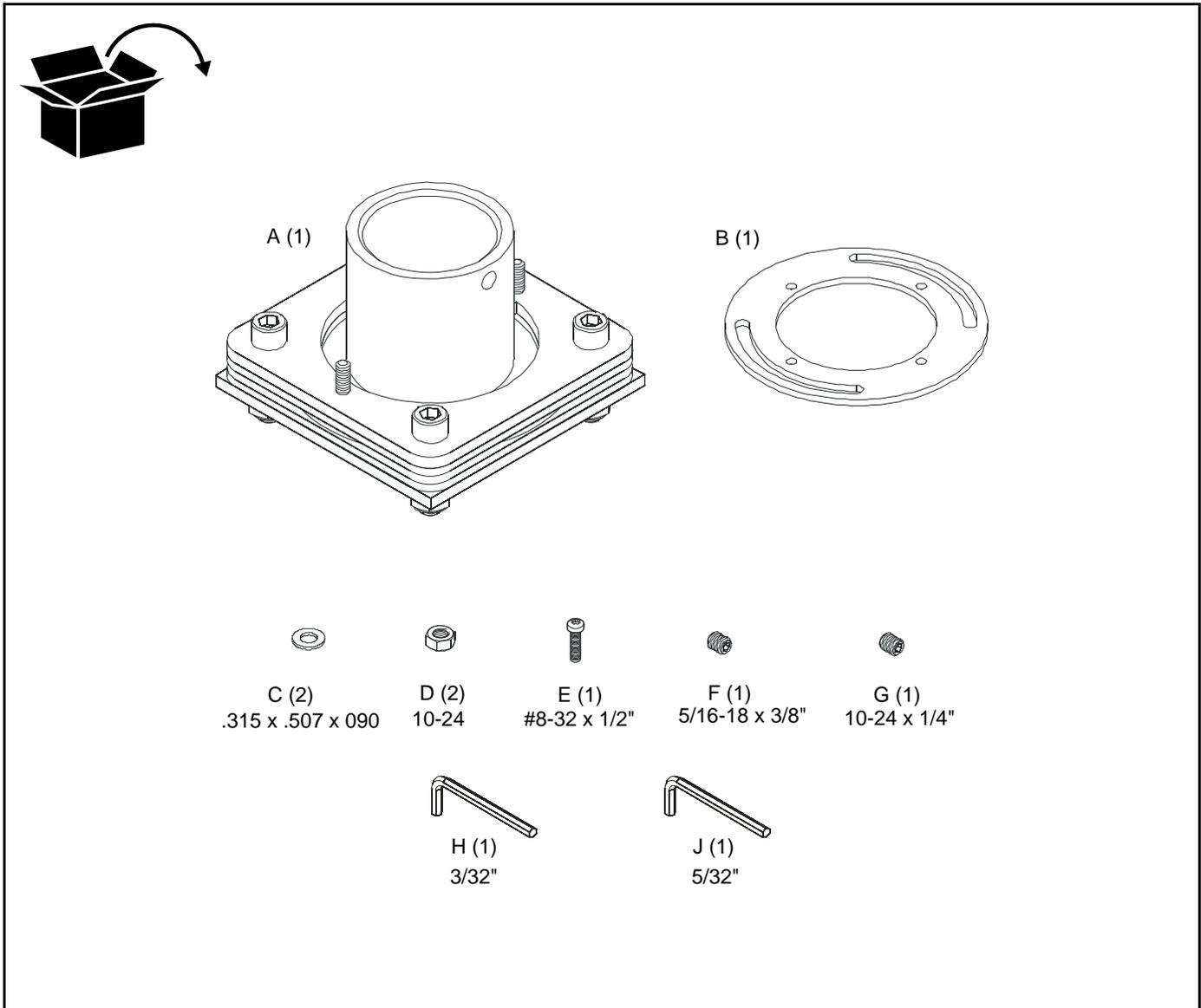
	<b>Hex-Head Wrench</b>
	Llave de cabeza hexagonal
	Sechskantschlüssel
	Chave de cabeça sextavada
	Chiave esagonale
	Zeskantsleutel
Clé à tête hexagonale	

	<b>Security Wrench</b>
	Llave de seguridad
	Sicherheitsschlüssel
	Chave de segurança
	Chiave di sicurezza
	Veiligheidssleutel
Clé de sécurité	

**TOOLS REQUIRED FOR INSTALLATION**



**PARTS**

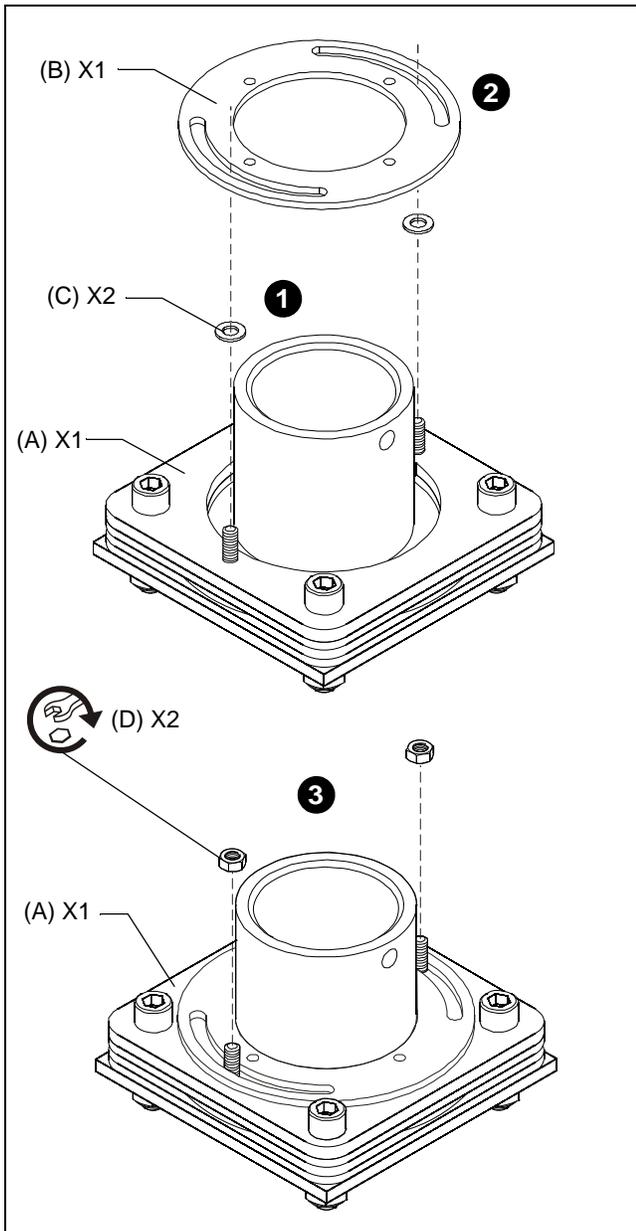


**Installation**

**IMPORTANT ! :** The following installation procedure assumes that a 1 ½" NPT pipe has been properly installed to the ceiling.

1. Place one Nylon washer (C) over each stud on Swivel Adapter (A). (See Figure 1)
2. Align slots in stop plate (B) with two threaded studs on Swivel Adapter (A). (See Figure 1)
3. Secure Stop plate (B) to Swivel Adapter (A) using two lock nuts (D). (See Figure 1)

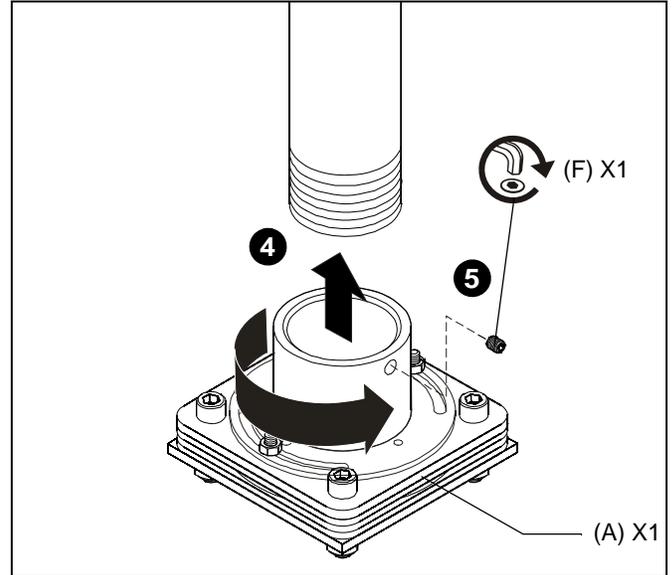
**NOTE:** DO NOT fully tighten lock nuts at this time.



**Figure 1**

4. Thread Swivel Adapter (A) onto existing 1 ½" NPT pipe. (See Figure 2)

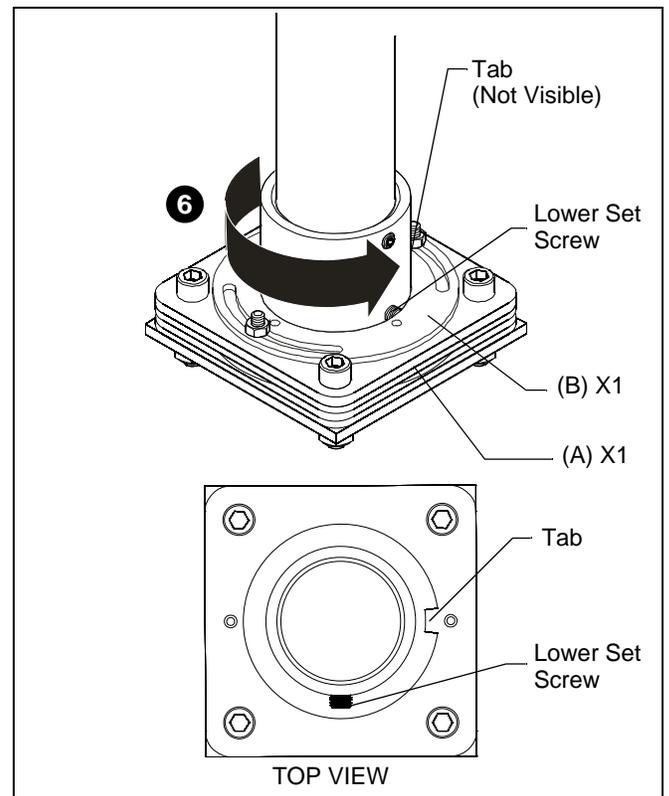
5. Secure Swivel Adapter (A) to 1 ½" NPT pipe using one Set Screw (F) and hex wrench. (See Figure 2)



**Figure 2**

6. Rotate the bottom of Swivel Adapter (A) until middle set screw in swivel adapter (A) makes contact with tab in stop plate (B). (See Figure 3)

**NOTE:** This is considered the first stop position.



**Figure 3**

7. Thread one 1 1/2" NPT pipe into lower Swivel Adapter (A). (See Figure 4)
8. Secure lower 1 1/2" NPT pipe to swivel adapter (A) using one set screw (G). (See Figure 4)

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The weight capacity of the CMA351 may be LIMITED to the lowest weight capacity of any other component located between the CMA351 and the supporting structure!

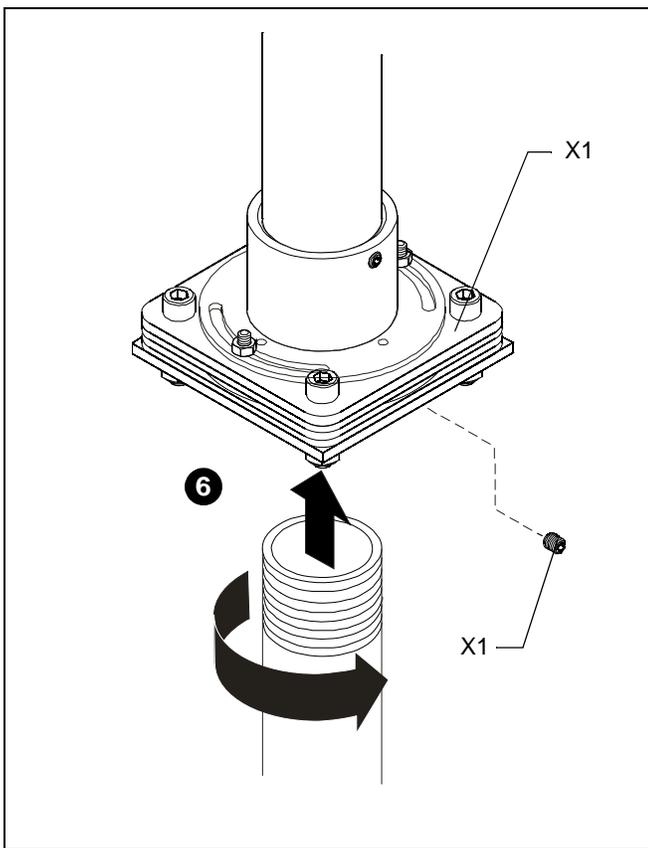


Figure 4

9. Rotate the bottom portion of the CMA-351 to the desired location for the second stop (0 degrees to 330 degrees). (See Figure 5)
10. Insert one Phillips pan head screw (E) in the nearest threaded hole in stop plate (B). (See Figure 5)

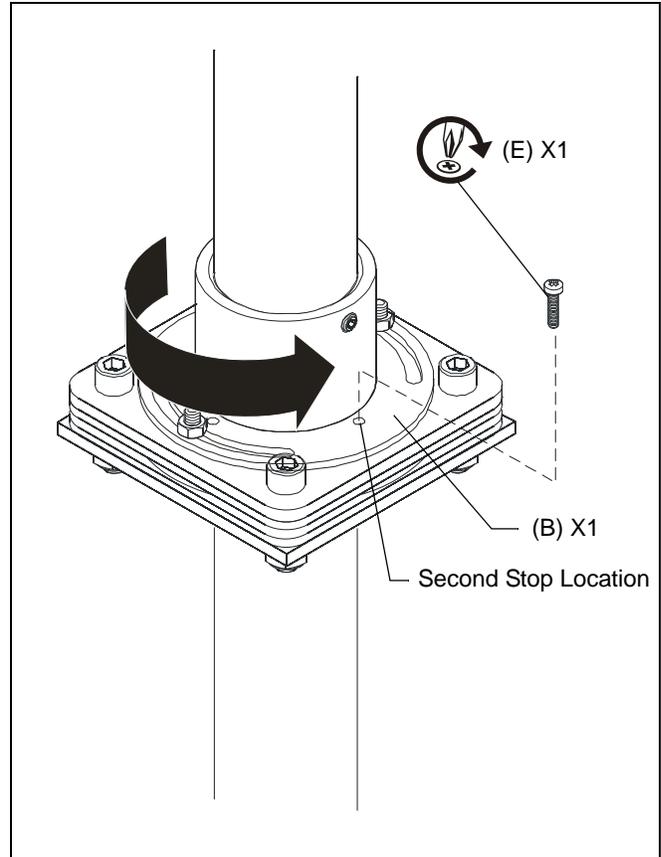


Figure 5

11. Tighten two lock nuts (D). (See Figure 6)

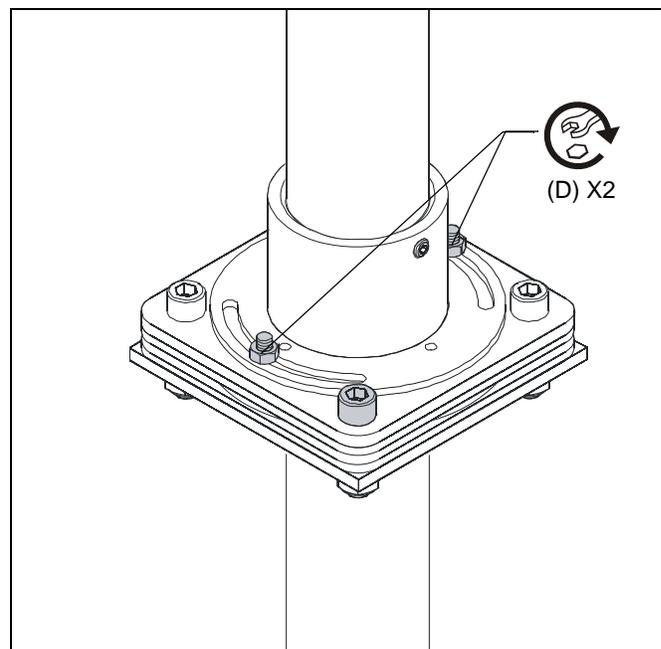


Figure 6





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