




The Ultimate in Fall Protection

CE	EN795: 1996 Class B
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C-Frame Rail Fall Arrest System

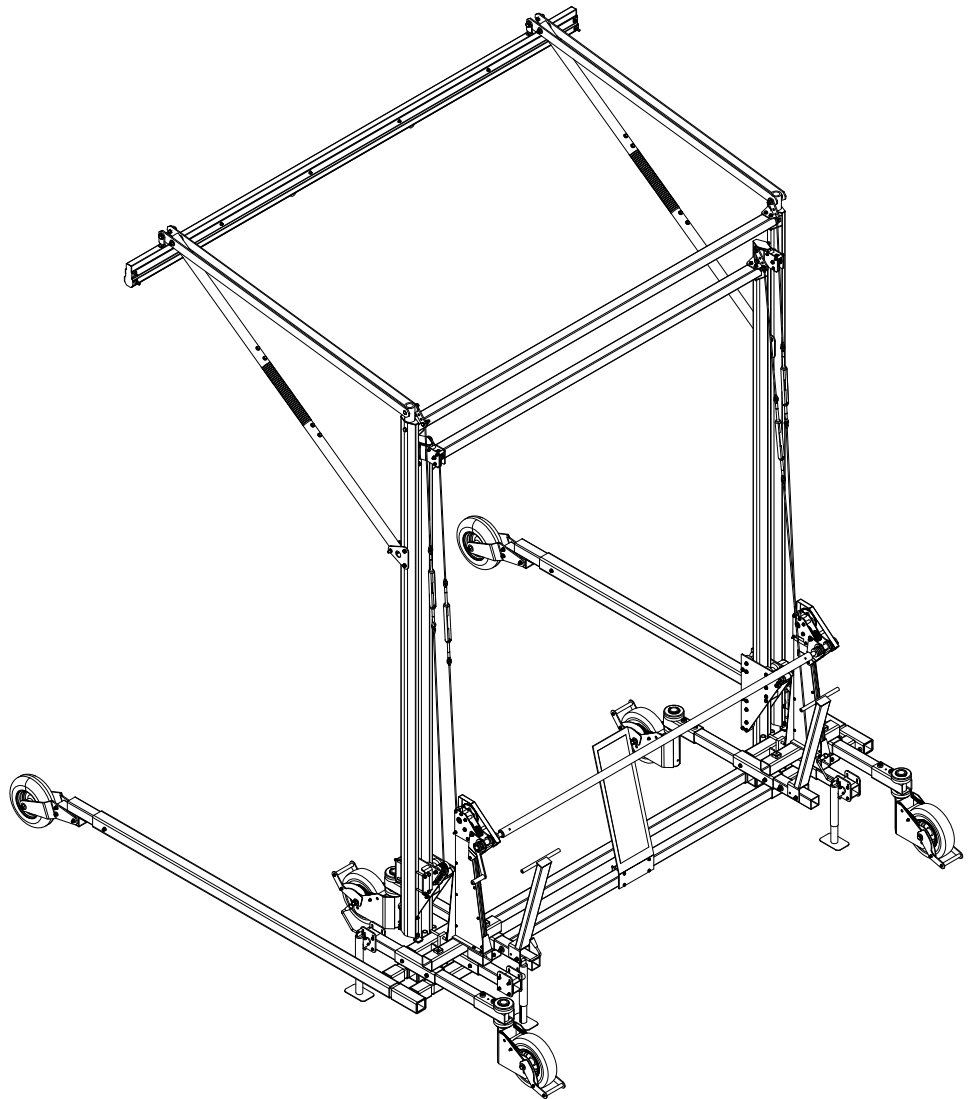
Model Numbers:

8517700	8517707	8530035	8530223	8530319
8517701	8517708	8530111	8530225	8530354
8517702	8517709	8530115	8530235	8530414
8517703	8517710	8530119	8530246	8530446
8517704	8517711	8530205	8530262	8530471
8517705	8517712	8530212	8530274	8530505
8517706	8517713	8530213	8530317	

Assembly Instruction Manual

IMPORTANT: This instruction manual is intended for assembly of the product only. The "C-Frame Rail Fall Arrest System User Instruction Manual" (5902343) describes use, operation, and maintenance of this product. The owner's organization must provide the User Instruction Manual to any user of this equipment or rescuer.

IMPORTANT: If you have questions on the use, care, application, or suitability for use of this safety equipment, contact Capital Safety.



IMPORTANT: These assembly instructions must be provided to the assembler of this equipment. The assembler must read and understand these manufacturer's instructions before starting the assembly procedure. The assembler must follow the instructions for each component of the complete system. Alterations or misuse of this product, or failure to follow these assembly instructions, may result in serious injury or death.

1.0 ASSEMBLY

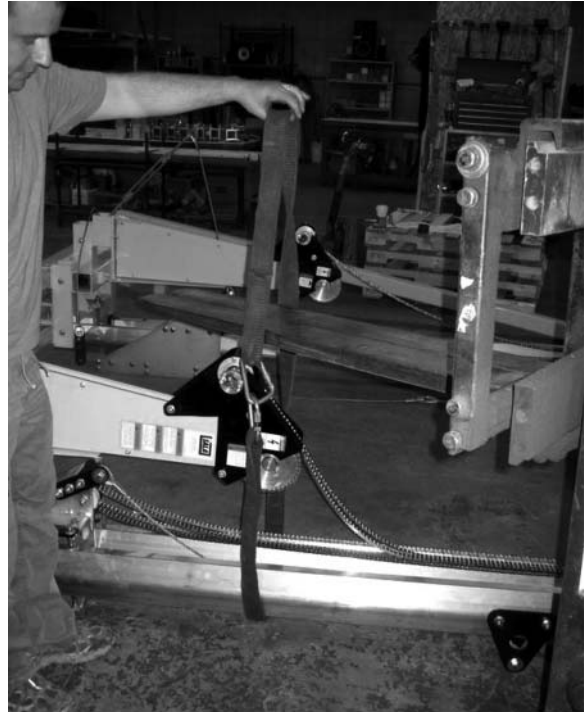
IMPORTANT: It is the responsibility of the owner's organization to read this Assembly Instruction Manual and to train assemblers before they assemble the C-Frame Rail Fall Arrest System (C-Frame FAS). Untrained assemblers are not qualified to assemble this equipment.

1.1 ASSEMBLY PROCEDURES:

Procedures for assembling the C-Frame FAS are as follows:

- Step 1.** To remove unit from the crate, cut all steel strapping and then remove all components and lay them out on the ground.

Use a web sling to pick up the vertical upright assemblies with the assistance of a forklift or crane. Find the balance point as you lift (Reset the web sling as necessary to find the balance point.)



- Step2.** Set the two uprights with the drive crank handles facing to the outside of the unit and place the uprights far enough apart to insert the horizontal components. Separate the uprights at least the width of the unit plus 2 feet (0.75 m).



Step 3. Remove the screws on the drive base on the inside of the left-hand side (LHS) vertical uprights to prepare to insert the horizontal base connectors.



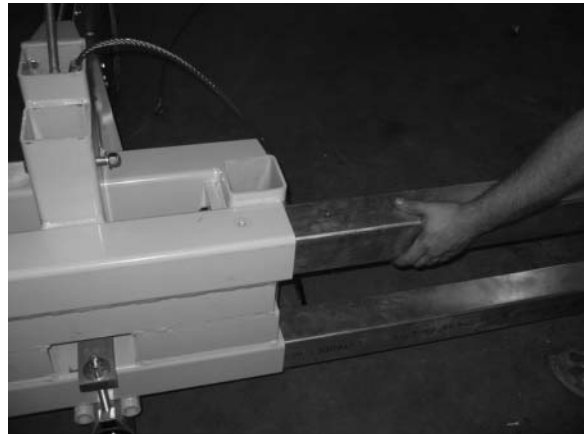
Step 4. Remove the screws from one side only to start.



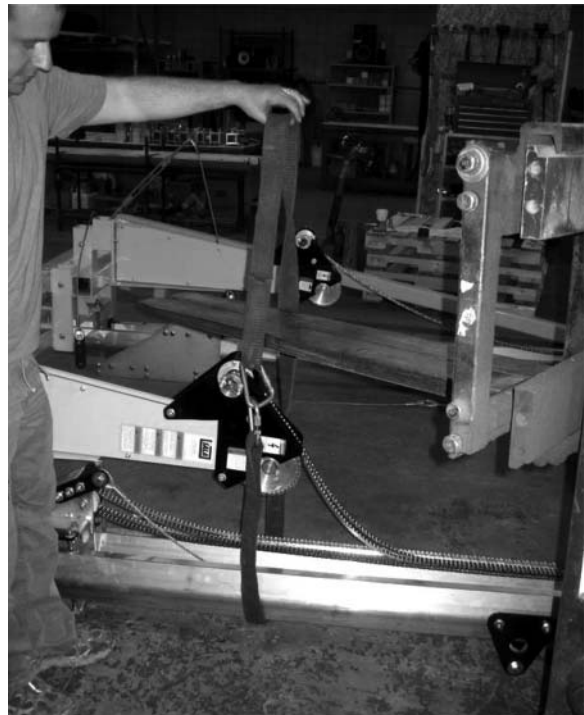
Step 5. Insert the base connector tube and align holes. Insert screw and tighten.



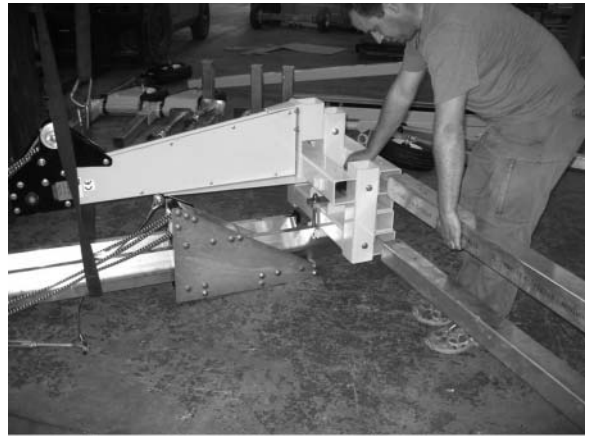
Step 6. Insert the second base connector tube and replace and tighten the screw.



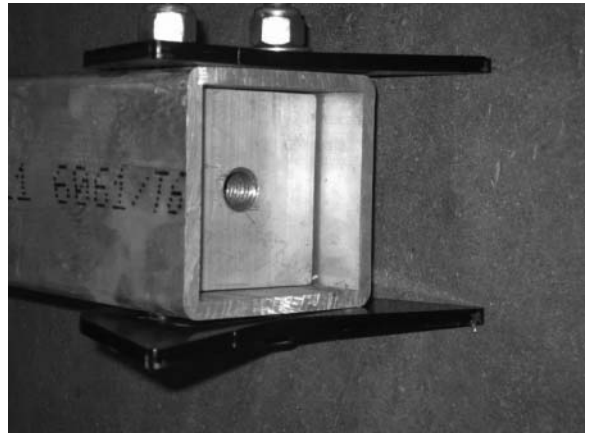
Step 7. Pick up the right-hand side (RHS) vertical upright using a forklift.



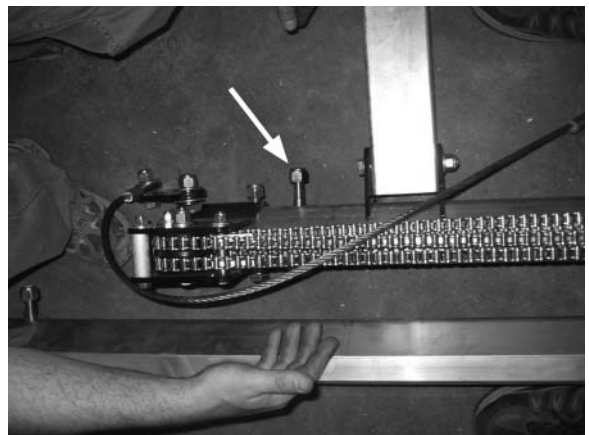
Step 8. Position the RHS vertical upright assembly and insert both tubes into the upright. Align holes and replace screws.



Step 9. Locate the lower cross bar assembly and put in place. Grease the threaded nut for easier assembly.



Step 10. Locate the 5/8" (15.875 mm) screw on the inner vertical upright and remove the nut as shown.

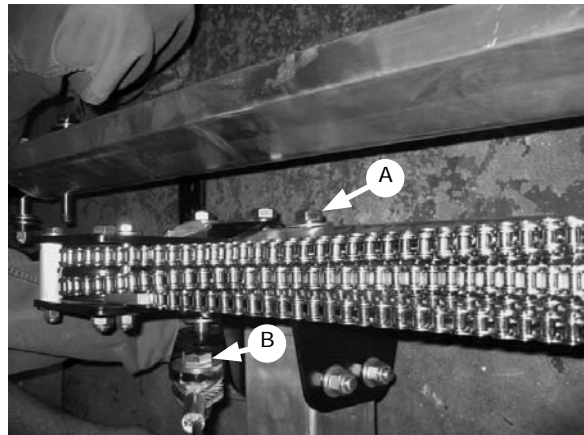


Step 11. Line up the lower cross bar assembly and thread the 5/8" (15.875 mm) screw.

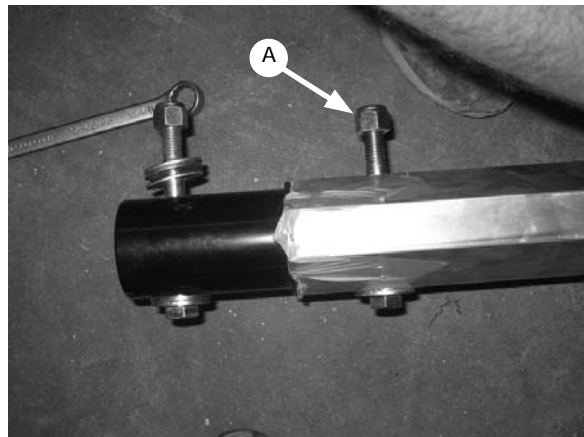


Step 12. Tighten the 5/8" (15.875 mm) screw to appropriate torque (A⇒).

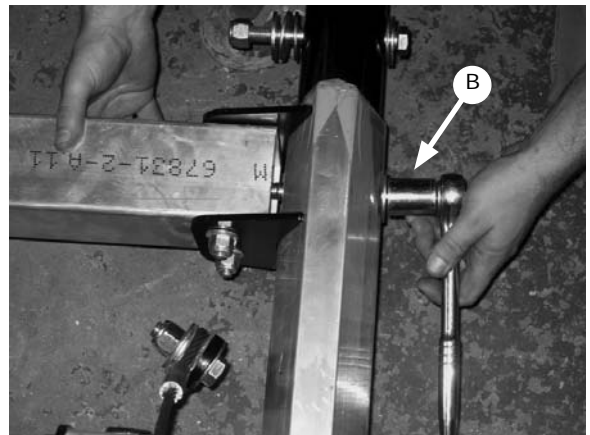
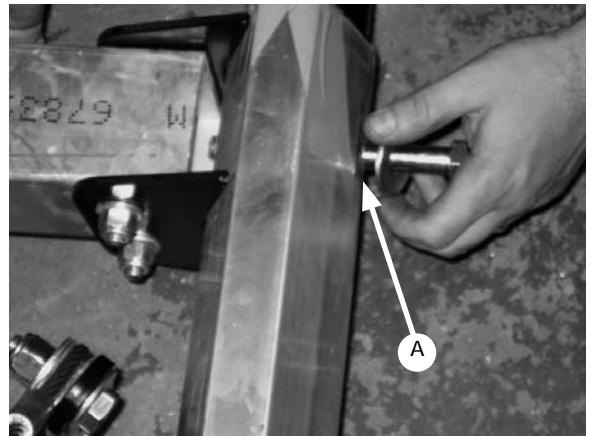
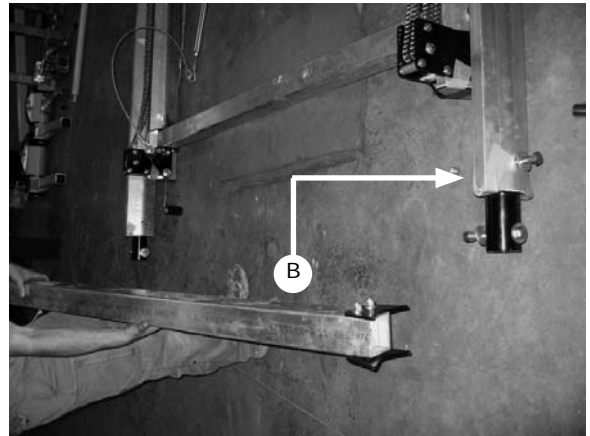
Make certain the turnbuckle/cable assembly bracket is resting over the lower cross bar assembly as shown (B⇒).



Step 13. Locate the 5/8" (15.875 mm) screw for the upper cross bar assembly (A⇒), remove nut and line up cross bar as shown (B⇒).

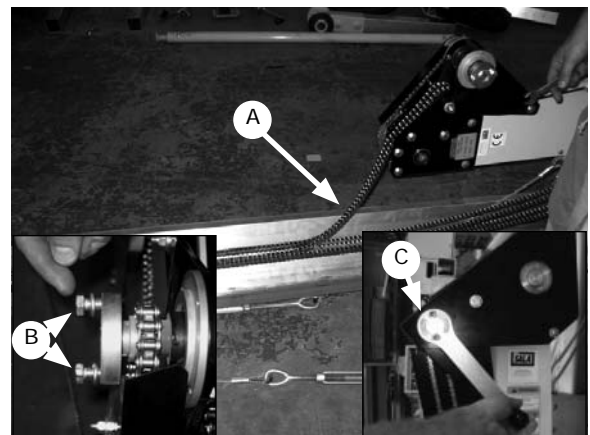


Step 14. Line up the threaded nut (A⇒) and tighten the 5/8" (15.875 mm) screw to appropriate torque (B⇒).



Step 15 Make sure the chain is slack as illustrated (A⇒) If the chain needs to be loosened:

1. Back out the screws inserted on the back side of the drive shaft (B⇒).
2. Turn the crank handle (C⇒) on the opposite side of the drive to loosen the chain.



Step 16. Remove the screw and nut to insert swivel wheels on both uprights.



Step 17. Insert the swivel wheel and align the holes.

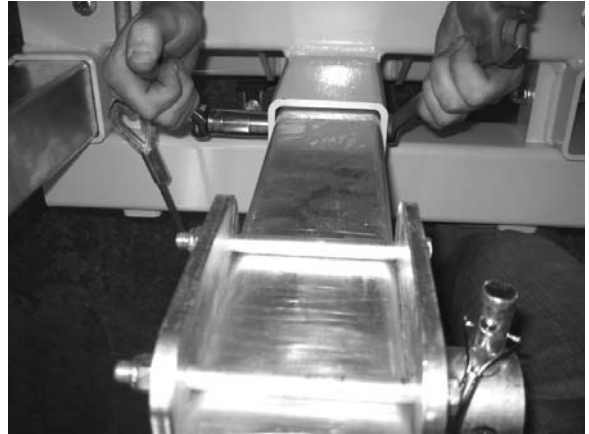


Replace the screw.

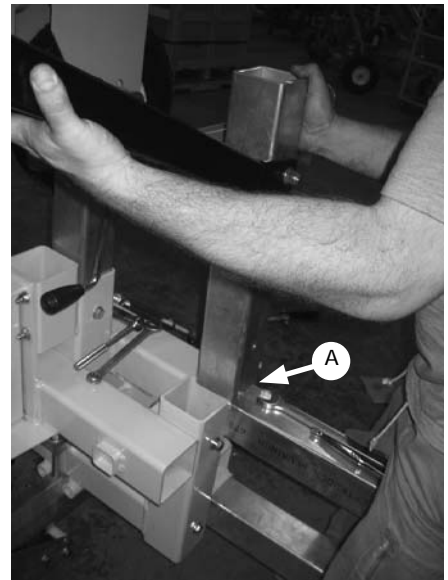


Step 18. Remove screws to insert the outrigger assembly. Secure outrigger assembly in the middle socket as shown.

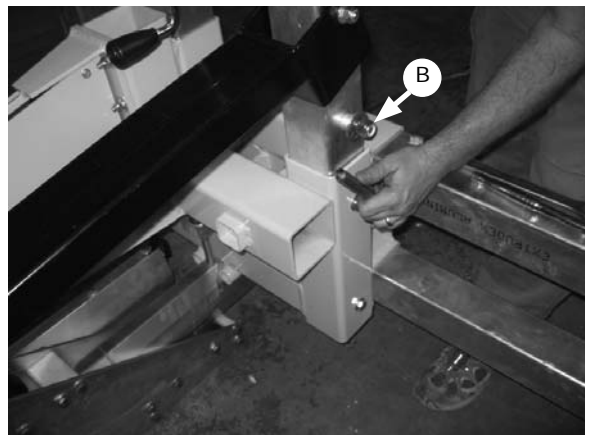


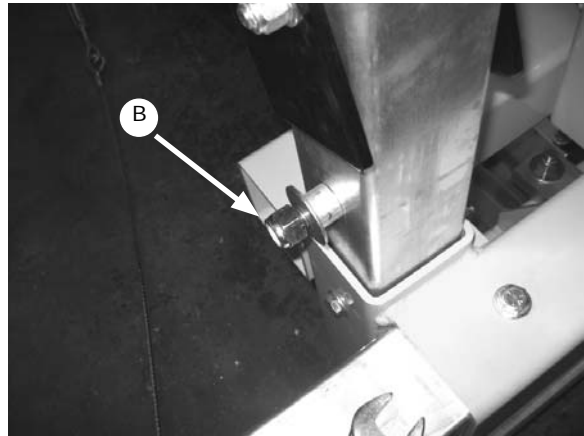


Step 19. Insert the transport handle assembly in inner socket of the upright drive base (A⇒).



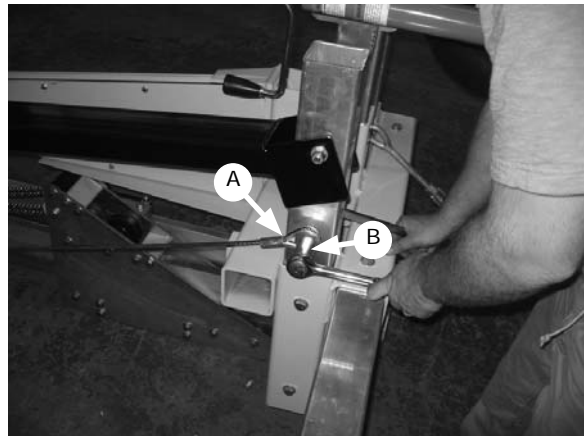
Make sure the screw and nut are facing towards the center of the unit((B⇒).



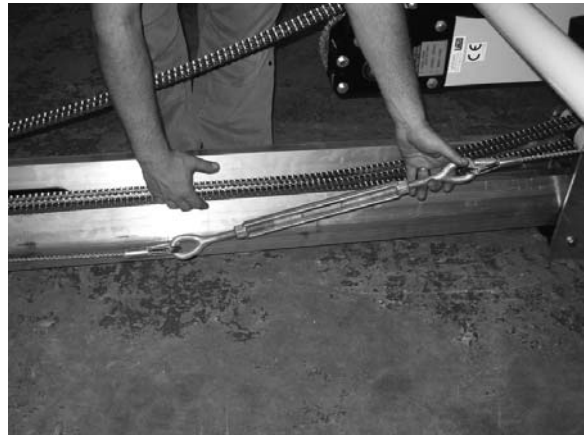


Step 20. Attach the inner turnbuckle cable assembly (A⇒) to the transport handle screw (B⇒).

NOTE: The spacer must be present inside the cable thimble eye and a washer must be over the thimble eye.



Step 21. Tighten the cable assembly by turning the turnbuckle until it is hand tight.



Step 22. Repeat the previous steps to assemble the opposite side of the unit.

Step 23. Once all steps are complete to this point for both sides of the unit, pick up the unit using a forklift or crane.

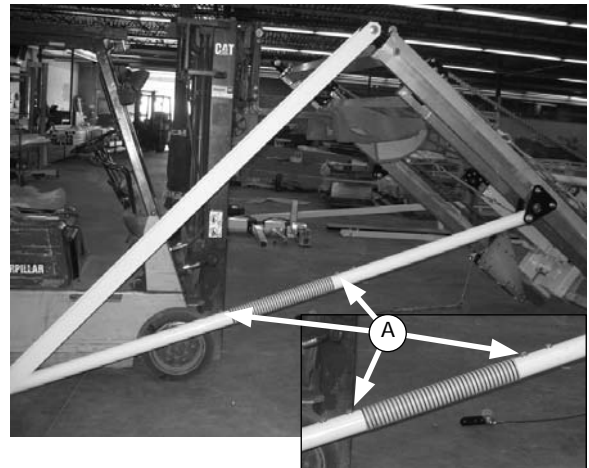
NOTE: the minimum lift of the fork lift must lift minimum overall height of the unit.



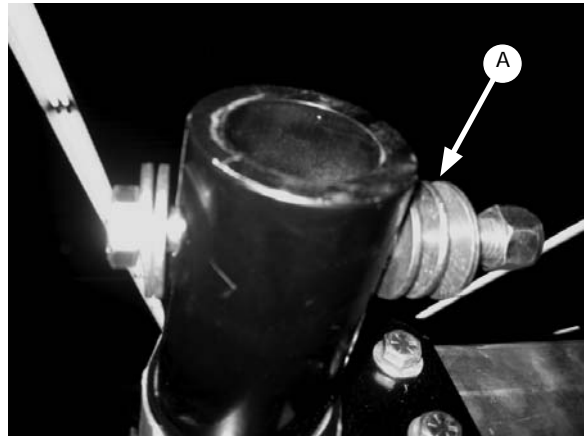
Lift the unit approximately 6 feet (2 m) to prepare for assembly of the rail supports and rail.



Step 24. **IMPORTANT:** Before proceeding with assembly, ensure that the rail supports are positioned so the screws on the support face up (A⇔).



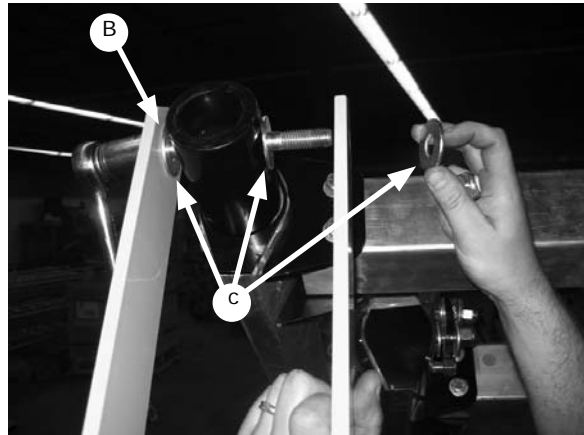
Step 25. Remove the screw, nut, and washers from the end of the vertical upright there should be five washers total included on the screw (A⇒).



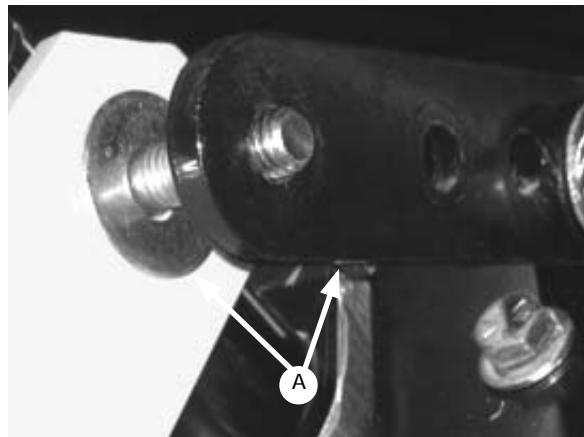
Insert the screw through the rail support flat bar with a washer on each side of the flat bar (B⇒)



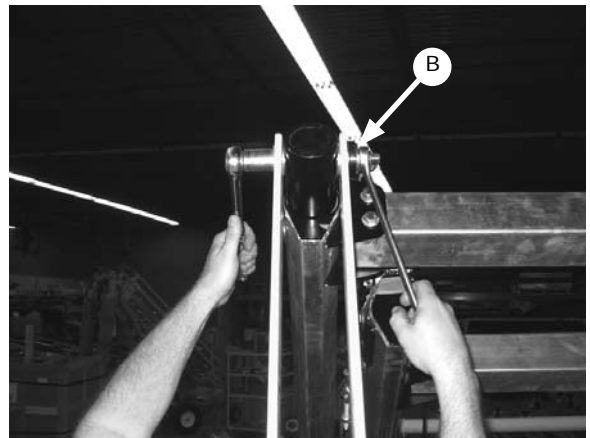
Continue to add washers between each component through which the screw passes (C⇒).



Step 26. Add a washer and then the cable bracket to the screw (A⇒).



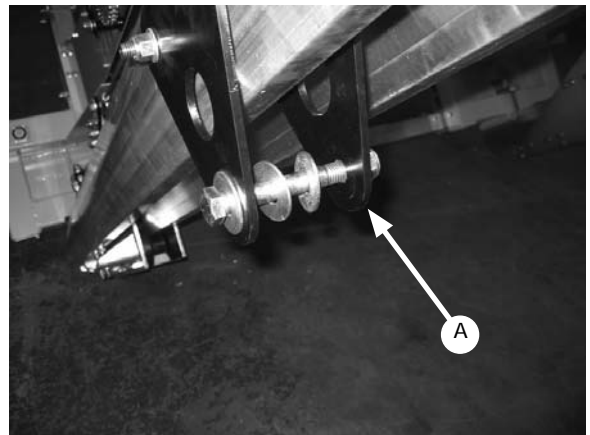
Add the last washer and the nut and tighten as shown (B⇒).



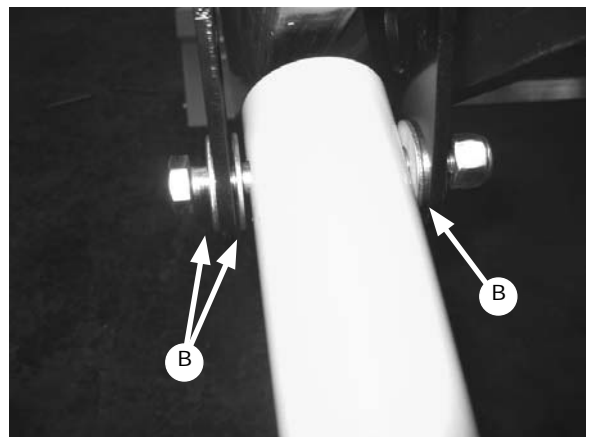
Step 27. Hand tighten turnbuckle assembly as shown.



Step 28. Insert the rail support assembly tube between the gusset brackets (A⇒) as shown (B⇒).



NOTE: Washers should be inserted between all painted parts (B⇒).



Step 29. Set the unit down to proceed with assembly of the rail.



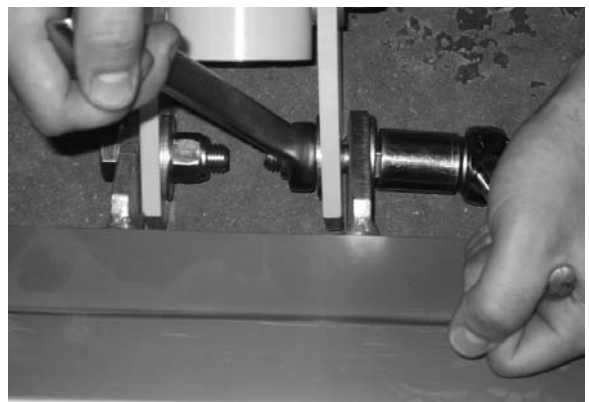
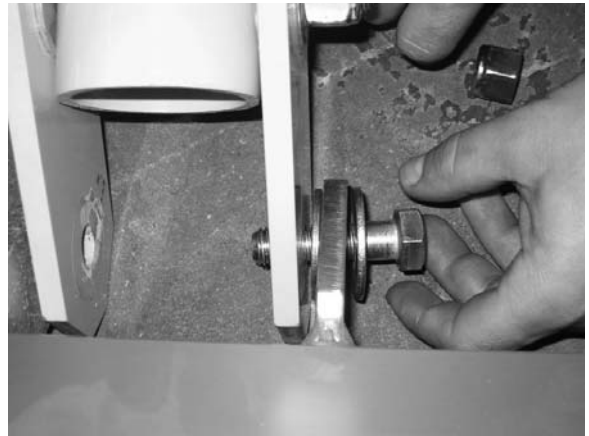
Step 30. Position the rail assembly in front of the rail supports as shown.



Step 31. Remove the screws from the rail assembly tabs.



Step 32. Assemble the rail support to the rail assembly as illustrated. Washers should be inserted in between all mating parts.



Step 33. Raise the assembled unit to its upright position:

1. Spread a blanket or cardboard over the forks of the forklift and lift the unit at the rail.

NOTE: *If a crane is available, pick up the unit with a web sling around the lower cross bar and upper cross bar assemblies.*

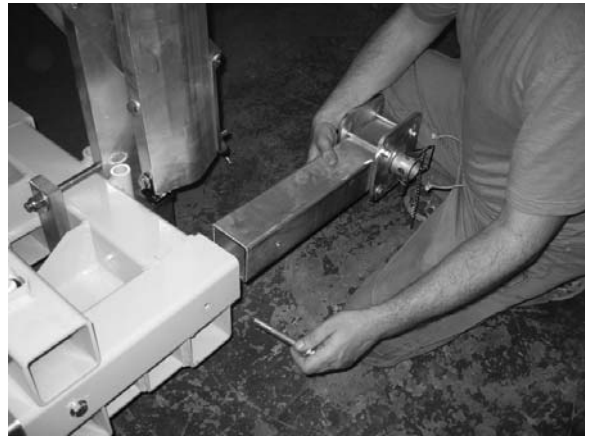
IMPORTANT: *Attach the SRLs to the trolleys on the rail before lifting the unit fully upright.*

2. Raise the unit slowly until vertical and resting on the back swivel wheels.

NOTE: *Block the swivel wheels to prevent the unit from rolling away while supported by the forklift.*



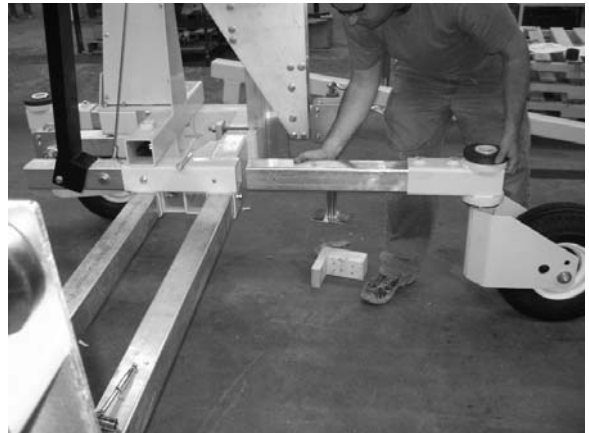
Step 34. Insert the outrigger assemblies on the front of the unit.



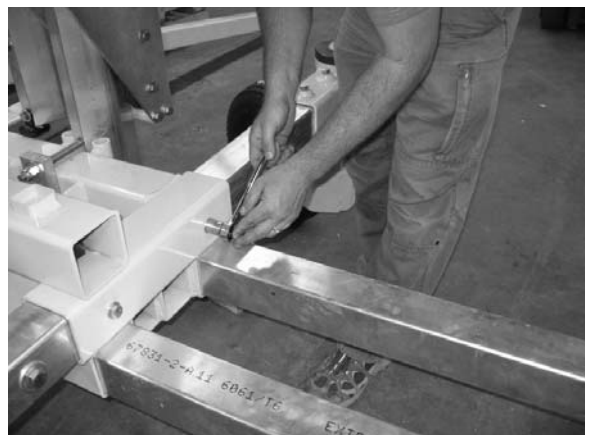
Step 35. Crank down the outrigger jacks to stabilize the unit.



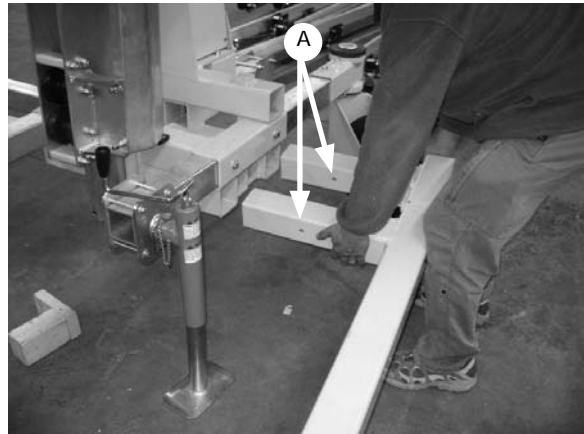
Step 36. Insert the swivel wheel assemblies into the front of the unit as shown.



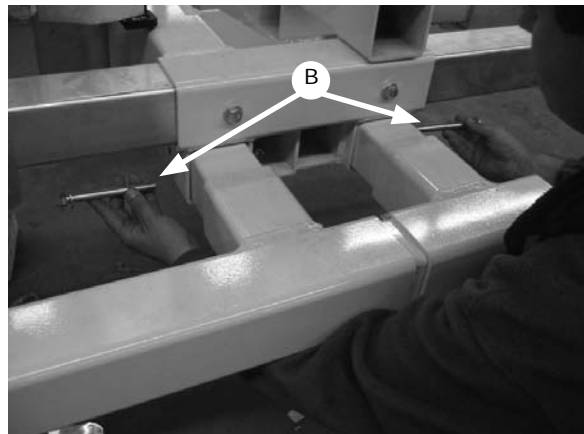
Step 37. Thread screws into the threaded nuts welded inside the unit and tighten to secure the swivel wheel assemblies.



Step 38. Insert the leg assemblies as shown.



Align screw holes (A⇒) and replace the screws (B⇒).



Step 39. Insert the front wheel assemblies into the leg tubes as shown.



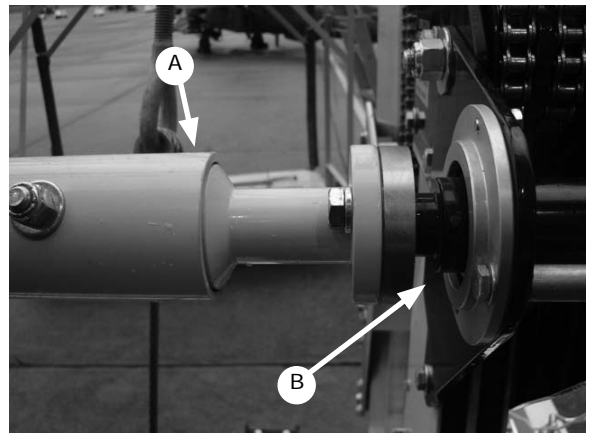
Replace screws and tighten.



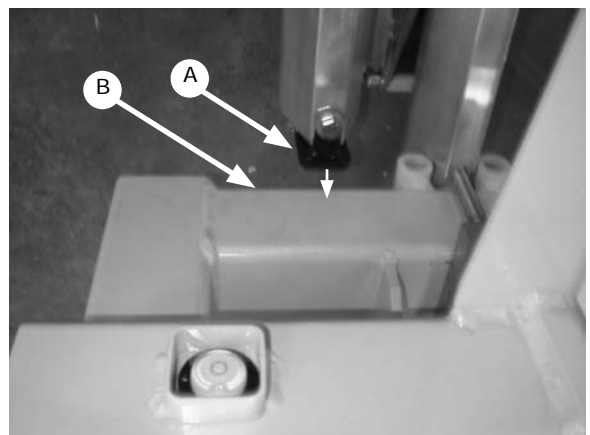
Step 40. Remove the forklift or crane once all accessories are attached to the unit. It is no longer required to support the unit.



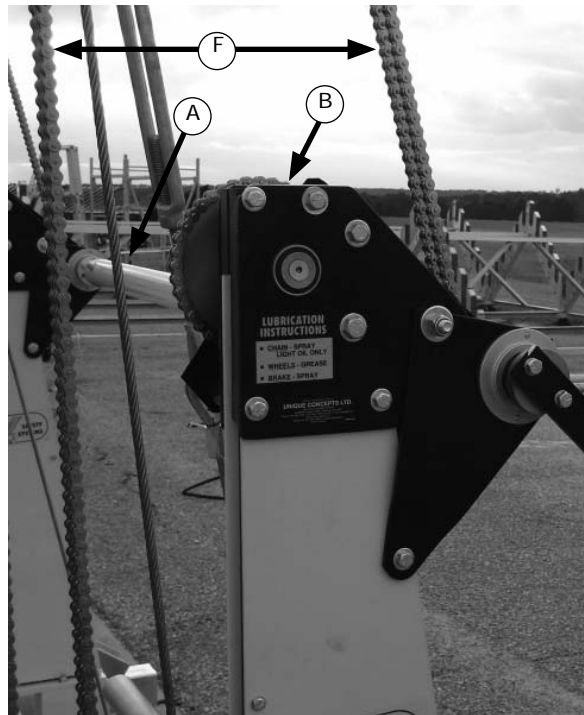
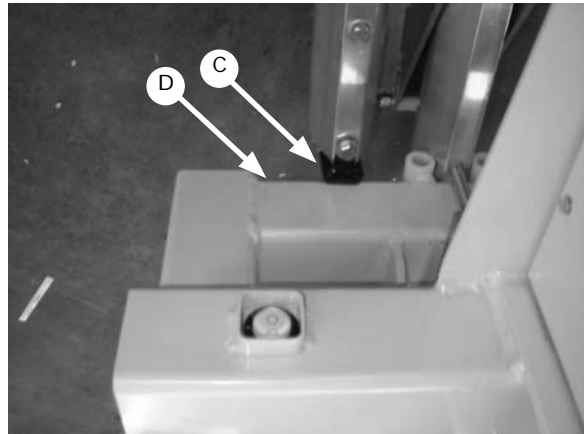
Step 41. To complete assembly of the C-Frame FAS, connect the drive connector tube assembly (A⇒) between the drive mechanisms (B⇒) as follows:



1. Ensure the stoppers (C⇒) on both uprights are fully engaged on the drive base (D⇒).



2. Once the stoppers (C⇒) are fully engaged on the drive base (D⇒), test the upright chains (E⇒) to ensure they are taught.
3. Connect the drive connector tube assembly (A⇒) between the drive mechanisms (B⇒).



3.0 INSPECTION

IMPORTANT: A complete inspection of the C-Frame FAS should be performed after assembly and prior to first use. See the "C-Frame Rail Fall Arrest System User Instruction Manual (Form 5902343)" for detailed inspection instructions.

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<p style="text-align: center;">Garanzia di durata limitata</p> <p>Garanzia dell'utente finale: CAPITAL SAFETY garantisce all'utente finale originale (di seguito "Utente finale") che i suoi prodotti sono privi di difetti dei materiali e di fabbricazione se utilizzati nelle normali condizioni d'uso e di servizio. La garanzia copre l'intera durata del prodotto dalla data di acquisto del prodotto da parte dell'Utente finale come prodotto nuovo e mai usato da un distributore autorizzato CAPITAL SAFETY. La responsabilità complessiva di CAPITAL SAFETY nei confronti dell'Utente finale e il ricorso esclusivo dell'Utente finale ai sensi della presente garanzia sono limitati alla riparazione o alla sostituzione in natura dei prodotti difettati entro la durata (così come stabilita a propria esclusiva discrezione da CAPITAL SAFETY). Eventuali informazioni orali o scritte o consigli forniti da CAPITAL SAFETY, dai suoi distributori, direttori, funzionari, agenti o dipendenti non potranno in alcun modo dare origine a garanzie diverse o aggiuntive né potranno ampliare l'ambito della presente garanzia. CAPITAL SAFETY non potrà essere ritenuta responsabile dei difetti derivati da un cattivo o errato utilizzo del prodotto, da alterazioni o modifiche o da difetti dovuti ai mancati installazione, manutenzione o uso del prodotto in conformità alle istruzioni del produttore. LA PRESENTE GARANZIA È L'UNICA GARANZIA APPLICABILE AI NOSTRI PRODOTTI E SOSTITUISCE QUALSIASI ALTRA GARANZIA E RESPONSABILITÀ, ESPRESSE O IMPLICITE.</p>	<p style="text-align: center;">Lebenslange Garantie mit Einschränkung</p> <p>Endbenutzer-Garantie: CAPITAL SAFETY garantiert dem ursprünglichen Endbenutzer („Endbenutzer“), dass seine Produkte unter normalem Gebrauch und Betrieb frei von Material- und Herstellungsfehlern sind. Diese Garantie erstreckt sich auf die Lebensdauer des Produkts ab dem Datum, an dem der Endbenutzer das Produkt neu und ungebraucht von einem durch CAPITAL SAFETY autorisierten Händler gekauft hat. Die gesamte Haftung von CAPITAL SAFETY dem Endbenutzer gegenüber und der einzige Anspruch des Endbenutzers ist gemäß dieser Garantie beschränkt auf die Reparatur oder den Ersatz von defekten Produkten innerhalb ihrer Lebensdauer (eine Einschätzung diesbezüglich wird von CAPITAL SAFETY nach eigenem Ermessen durchgeführt). Keine von CAPITAL SAFETY schriftlich oder mündlich an Händler, Vorstandsmitglieder, Führungskräfte, Agenten oder Angestellte übergebenen Informationen oder Hinweise ergeben jegliche andere oder zusätzliche Gewährleistungen, noch erhöhen sie den Umfang dieser Garantie. CAPITAL SAFETY schließt eine Haftung für Defekte aufgrund von unsachgemäßem Gebrauch, Änderungen oder Modifikationen am Produkt sowie für Defekte, die darauf zurückzuführen sind, dass das Produkt nicht gemäß der Anweisungen des Herstellers montiert, gewartet und verwendet wurde, aus. DIESE GARANTIE IST DIE EINZIG GÜLTIGE GARANTIE FÜR UNSERE PRODUKTE UND GILT ANSTELLE VON ALLEN ANDEREN GARANTIEN UND HAFTUNGSBEDINGUNGEN, SEI ES AUSDRÜCKLICH ODER STILLSCHWEIGEND.</p>
<p style="text-align: center;">Garantía limitada de por vida</p> <p>Garantía para el Usuario final: CAPITAL SAFETY garantiza al usuario final original ("Usuario final") que sus productos están libres de defectos en materiales y mano de obra bajo condiciones normales de uso y servicio. Esta garantía abarca toda la vida útil del producto, desde la fecha de compra del producto por parte del Usuario final, en estado nuevo y sin uso, a un distribuidor autorizado de CAPITAL SAFETY. Toda la responsabilidad de CAPITAL SAFETY para con el Usuario final y el recurso exclusivo del Usuario final en virtud de esta garantía, se limita a la reparación o sustitución en especie de cualquier producto defectuoso dentro de su vida útil (como CAPITAL SAFETY lo determine y estime conveniente a su sola discreción). Ninguna información oral o escrita, o información dada por CAPITAL SAFETY, sus distribuidores, directores, técnicos, agentes o empleados, creará ninguna garantía distinta o adicional, ni de alguna manera ampliará el alcance de esta garantía. CAPITAL SAFETY no acepta responsabilidad por defectos que sean resultado del abuso, mal uso, alteración o modificación del producto, ni por los defectos que se deban a una instalación, mantenimiento o utilización que no esté de acuerdo con las instrucciones del fabricante. ESTA GARANTÍA ES LA ÚNICA GARANTÍA APLICABLE A NUESTROS PRODUCTOS Y SUSTITUYE A CUALQUIER OTRA GARANTÍA O RESPONSABILIDAD, EXPRESA O IMPLÍCITA.</p>	<p style="text-align: center;">Garantia vitalícia limitada</p> <p>Garantia de utilizador final: a CAPITAL SAFETY garante ao utilizador final original ("Utilizador Final") que os seus produtos estão isentos de defeitos de materiais e de fabrico ao abrigo de uma utilização e serviço normal. Esta garantia prolonga-se pela duração da vida útil do produto desde a data de aquisição do produto pelo Utilizador Final, em condição nova e não usada, junto de um distribuidor autorizado da CAPITAL SAFETY. A responsabilidade integral da CAPITAL SAFETY perante o Utilizador Final e o recurso exclusivo do Utilizador Final ao abrigo desta garantia está limitado à reparação ou substituição de qualquer produto defeituoso no decorrer da sua vida útil (consoante apropriado e determinado exclusivamente segundo o critério exclusivo da CAPITAL SAFETY). Nenhuma informação escrita ou oral ou conselho fornecido pela CAPITAL SAFETY, seus distribuidores, directores, representantes, agentes ou funcionários irá criar garantias diferentes ou adicionais ou de qualquer forma aumentará o âmbito desta garantia. A CAPITAL SAFETY não aceitará responsabilidade por defeitos resultantes de abuso, utilização incorrecta, alteração ou modificação, ou por defeitos do produto que resultem de um incumprimento de instalação, manutenção ou utilização do produto de acordo com as instruções do fabricante. ESTA GARANTIA É A ÚNICA GARANTIA APLICÁVEL AOS NOSSOS PRODUTOS E EXISTE EM DETRIMENTO DE QUAISQUER OUTRAS GARANTIAS E RESPONSABILIDADES, EXPRESSAS OU IMPLÍCITAS.</p>
<p style="text-align: center;">GARANTIA DE VIDA ÚTIL</p> <p>Garantia ao usuário final: a D B Industries, Inc., sob o nome comercial de CAPITAL SAFETY USA ("CAPITAL SAFETY") garante ao usuário final original ("Usuário Final") que seus produtos estão livres de defeitos nos materiais e mão de obra sob uso e serviço normais. A garantia se estende pela vida útil do produto a partir da data de compra do produto pelo Usuário Final, em condições novas e sem uso, de um distribuidor autorizado da CAPITAL SAFETY. Toda a responsabilidade da CAPITAL SAFETY perante o Usuário Final e o único recurso do Usuário Final nos termos desta garantia estão limitados ao reparo em espécie do produto com defeito dentro de sua vida útil (como a CAPITAL SAFETY, a seu exclusivo critério, determinar e considerar apropriado). Nenhuma informação ou aconselhamento verbal ou por escrito dados pela CAPITAL SAFETY, seus distribuidores, diretores, executivos, agentes ou funcionários criará alguma garantia diferente ou adicional nem poderá, de modo algum, aumentar o alcance desta Garantia. A CAPITAL SAFETY não se responsabilizará por defeitos que sejam o resultado de abuso, uso indevido, alteração ou modificação do produto, ou por defeitos resultantes de falha na instalação, manutenção ou uso do produto de acordo com as instruções do fabricante.</p> <p>A GARANTIA DA CAPITAL SAFETY SE APLICA SOMENTE AO USUÁRIO FINAL. ESTA GARANTIA É A ÚNICA APLICÁVEL A NOSSOS PRODUTOS E SUBSTITUI TODAS AS OUTRAS GARANTIAS E RESPONSABILIDADES, EXPRESSAS OU IMPLÍCITAS. A CAPITAL SAFETY EXCLUI EXPRESSAMENTE E REFUTA QUAISQUER GARANTIAS EXPLÍCITAS DE COMERCIALIZAÇÃO OU ADEQUAÇÃO A DETERMINADO FIM, E NÃO SERÁ RESPONSÁVEL POR DANOS INCIDENTES, PUNITIVOS OU CONSEQUENTES DE QUALQUER NATUREZA, INCLUINDO, ENTRE OUTROS, LUCROS CESSANTES, PERDA DE RECEITA OU PRODUTIVIDADE, OU POR FERIMENTOS PESSOAIS OU MORTE OU PERDA OU DANOS À PROPRIEDADE, SOB QUALQUER TEORIA DE RESPONSABILIDADE, INCLUINDO, ENTRE OUTRAS, A TEORIA AQUILIANA, DE GARANTIA, DE RESPONSABILIDADE OBJETIVA, DE ATO ILÍCITO (INCLUINDO NEGLIGÊNCIA) OU OUTRA JURÍDICA OU EQUITATIVA.</p>	



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