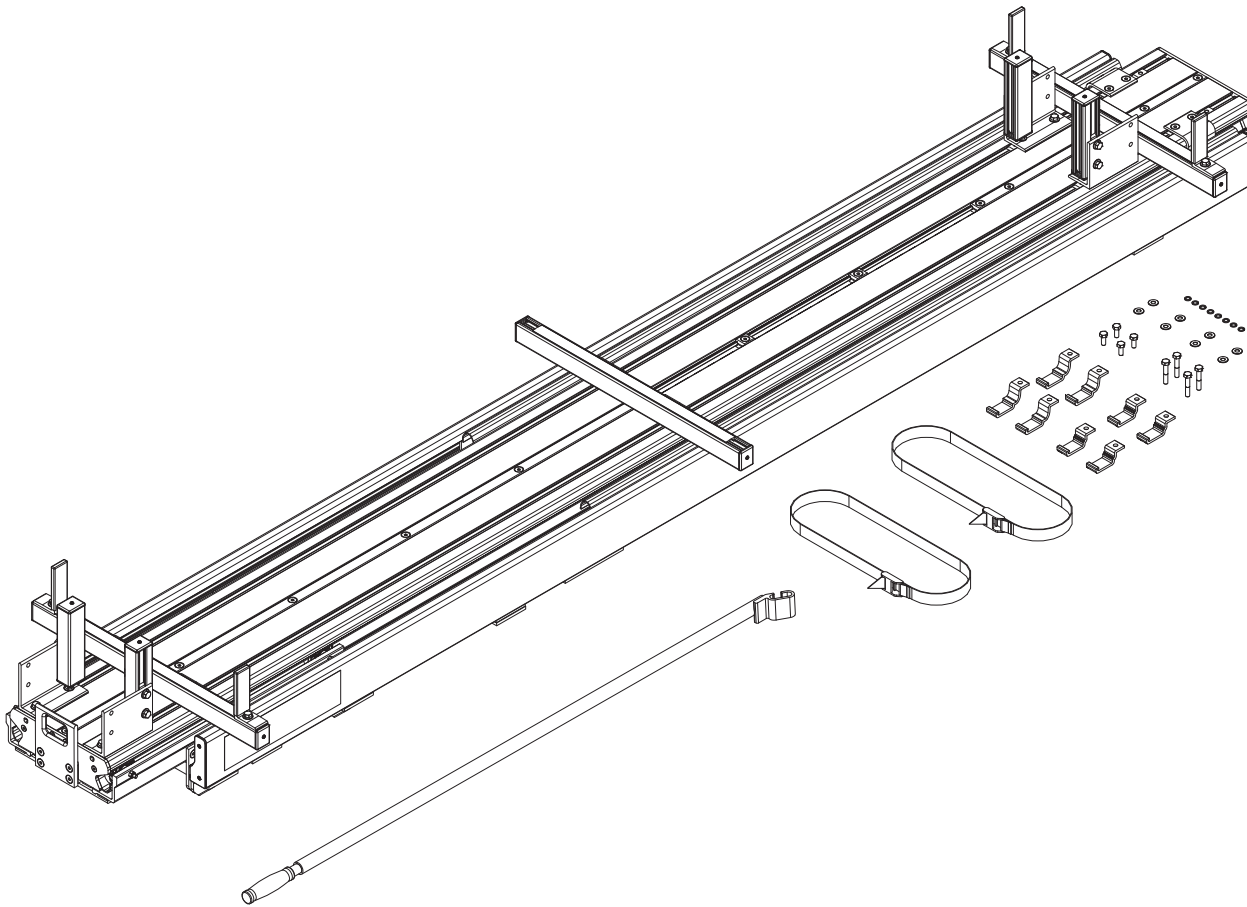


PRIME DESIGN™

A Safe Fleet Brand

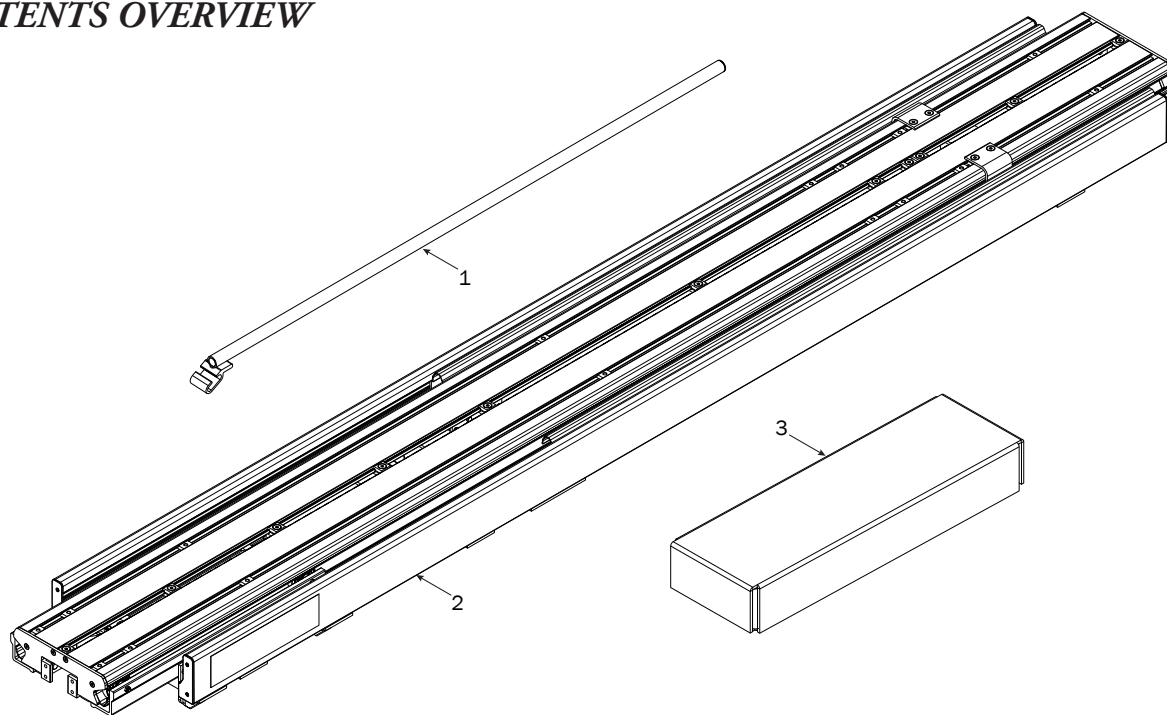


1000 DPS

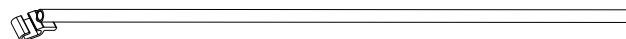
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CONTENTS OVERVIEW



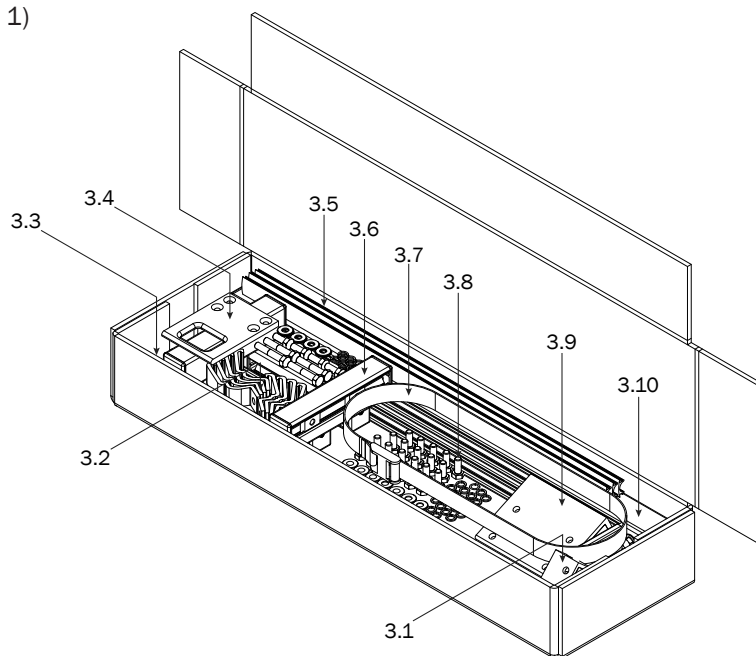
1—PLR-7001..... (Qty 1)
Deploy Pro Removable Handle



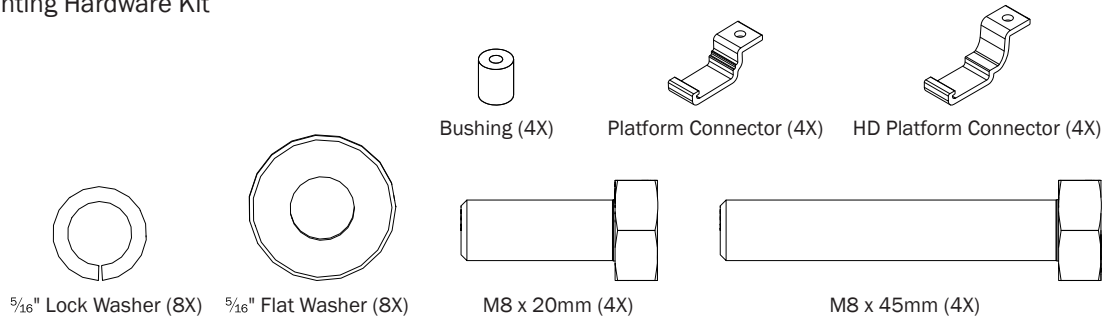
2—DPS-8001 (Qty 1)
Deploy Pro Ladder Rack

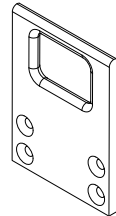


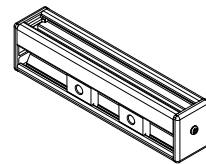
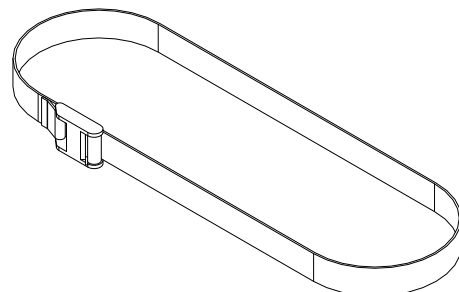
3—Hardware Kit..... (Qty 1)
Deploy Pro Mounting Hardware Kit



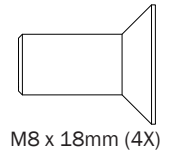
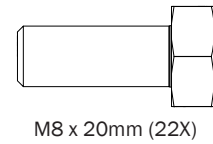
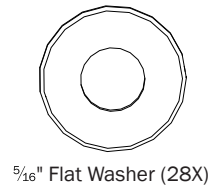
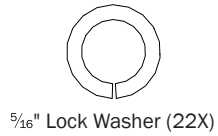
3.1—Ladder Support Connecting Bracket (Qty 6)

3.2—HKT-8040 (Qty 1)
 Deploy Pro Mounting Hardware Kit

3.3—Ladder Holder Channel (Qty 1)
 23.00"

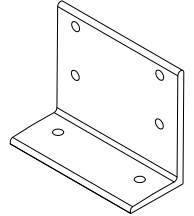
3.4—Latch Handle Plate (Qty 1)

3.5—Ladder Holder Padding..... (Qty 3)
 PVC, 20.00"L

3.6—Ladder Stop Post (Qty 4)
 Front Stop Assembly

3.7—Cam Lock Ladder Strap..... (Qty 2)
 1.00"W x 36.00"L w/Stainless Steel Cam Lock


3.8—HKT-8039..... (Qty 1)
 Deploy Pro Ladder Bar/Stop Hardware Kit



3.9— Ladder Stop Mounting Plate (Qty 4)



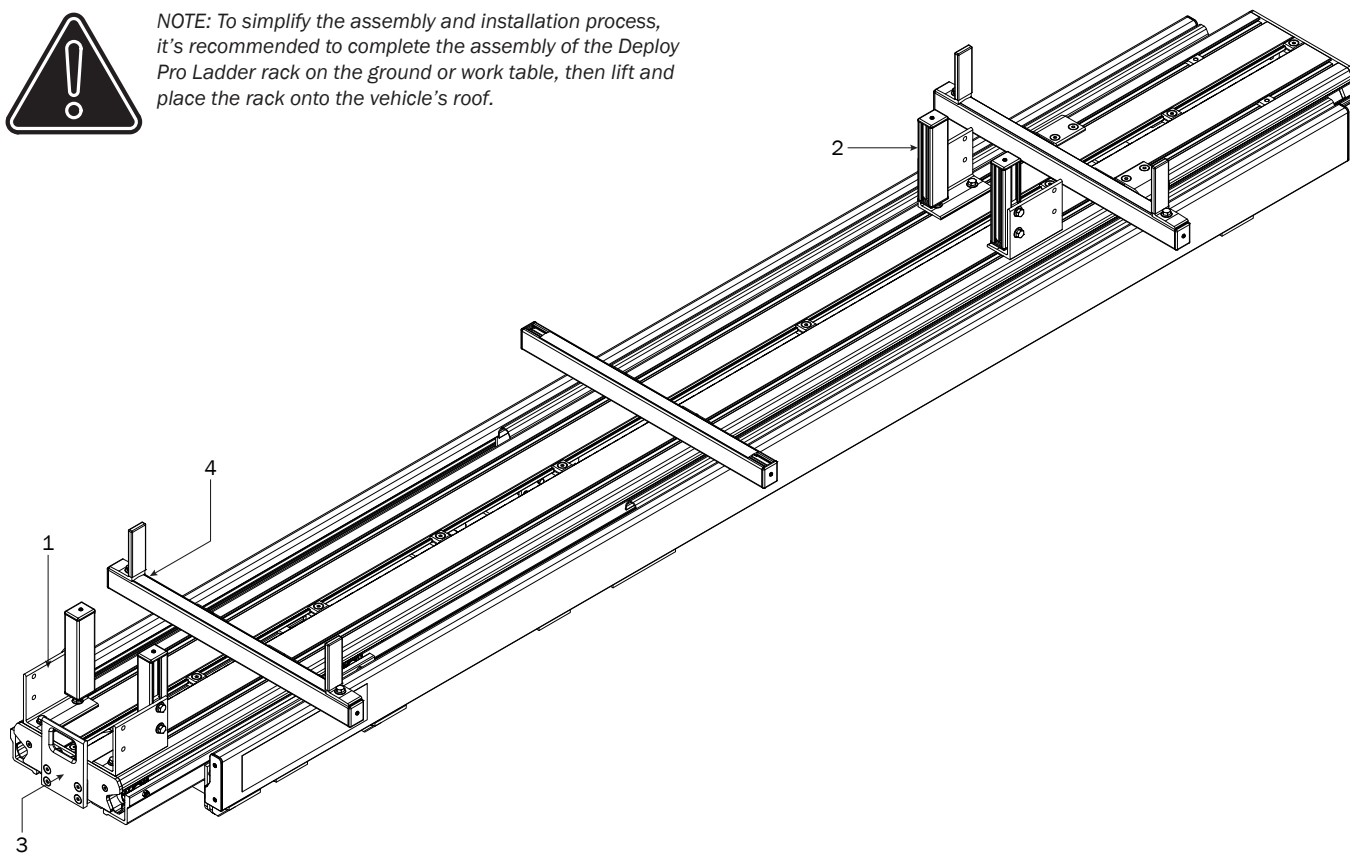
3.10—Ladder Holder Channel Assembly (Qty 2)
 23.00"



DEPLOY PRO ASSEMBLY SEQUENCE

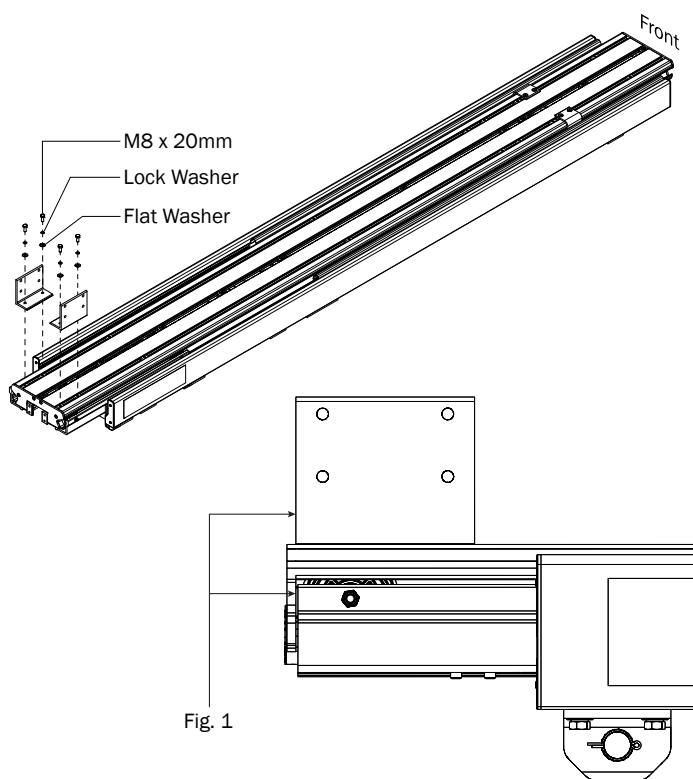


NOTE: To simplify the assembly and installation process, it's recommended to complete the assembly of the Deploy Pro Ladder rack on the ground or work table, then lift and place the rack onto the vehicle's roof.

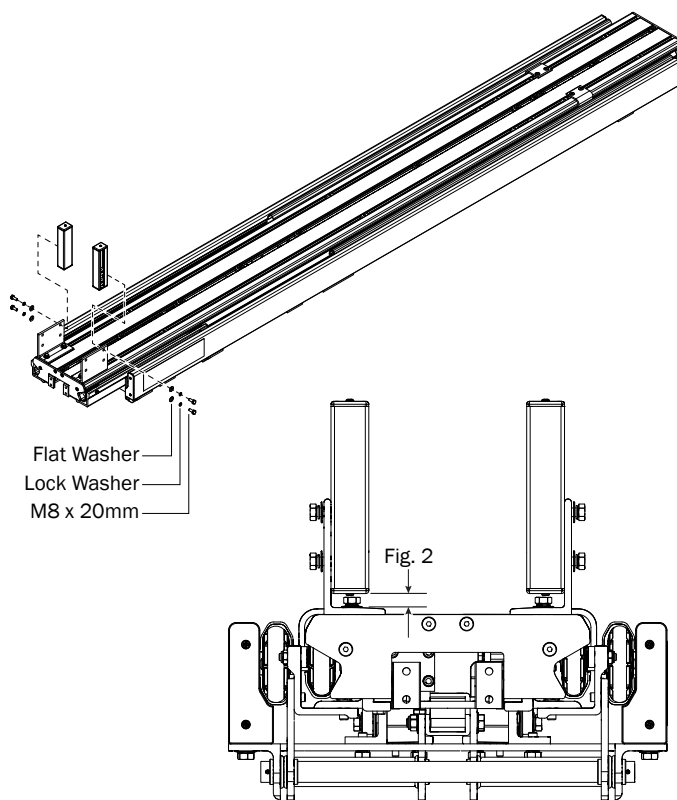


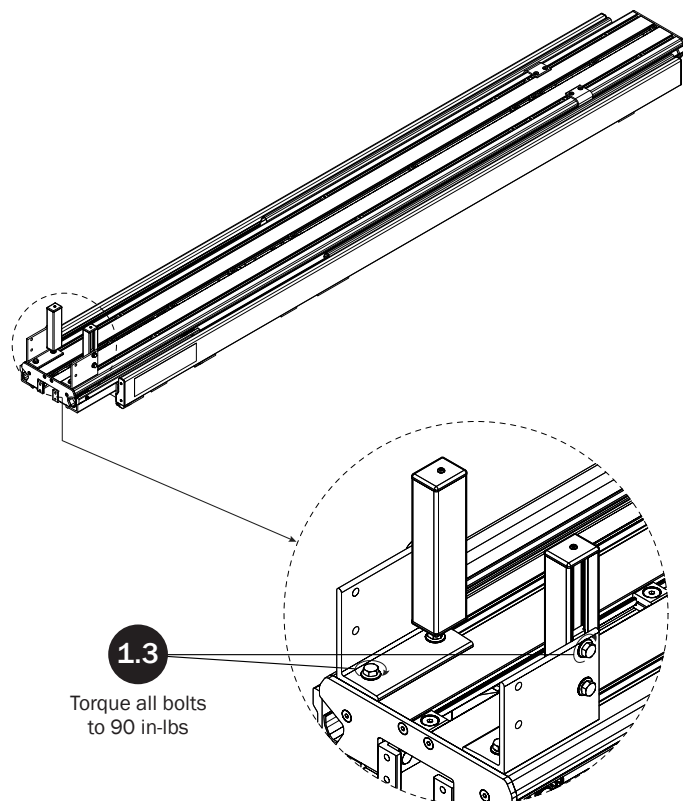
REAR LADDER STOP ASSEMBLY

- 1.1** Attach the Rear Ladder Stop Brackets to the Top Sliding Assembly using the hardware shown below. Set both Brackets flush to the end of the Top Slide shown in Figure 1. Do not tighten screws until Step 1.3

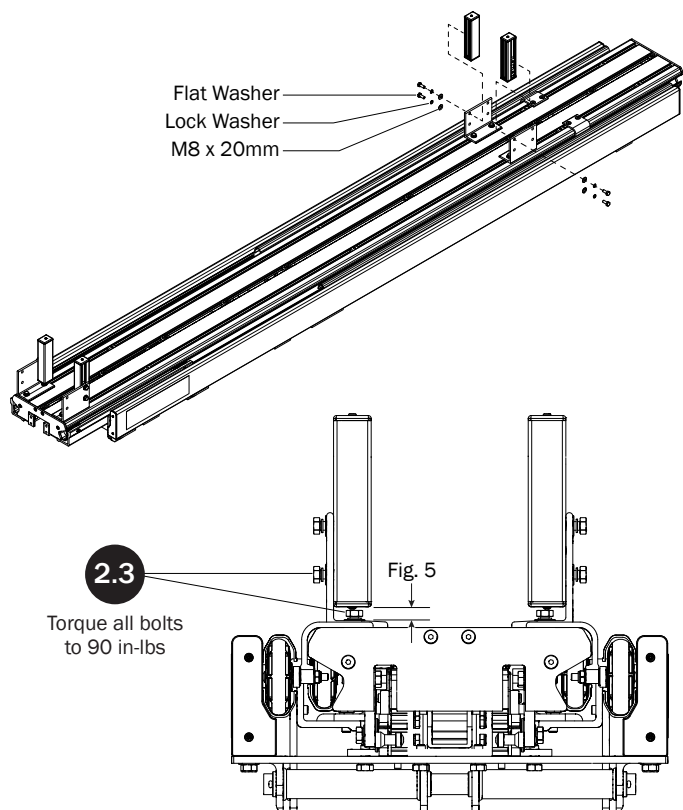


- 1.2** Attach the Rear Ladder Stop Assembly onto the Ladder Stop Brackets using the hardware shown below. Set the height shown at Figure 2 between .50"-1.00". Do not tighten until Step 1.3.



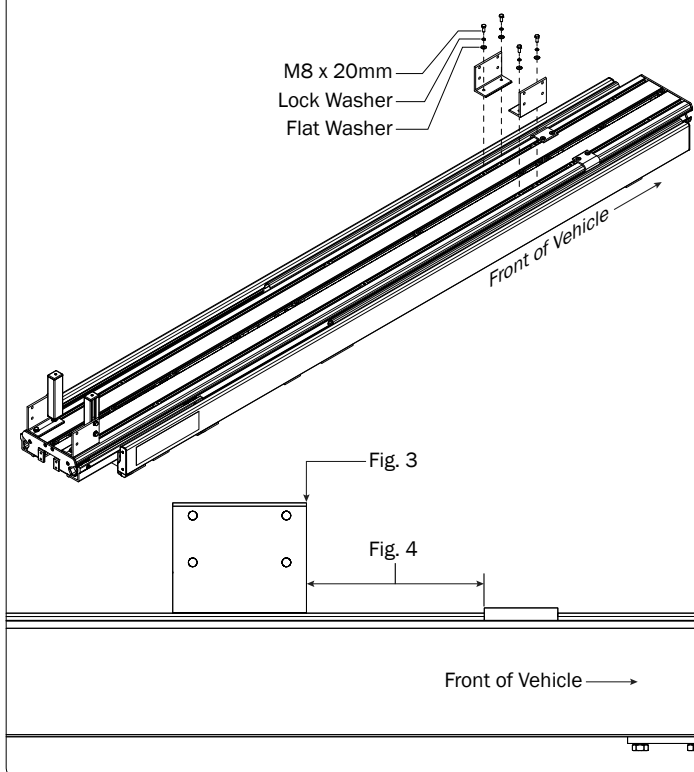


- 2.2** Attach the Rear Ladder Stop Assembly onto the Ladder Stop Brackets using the hardware shown below. Set the height shown at Figure 5 between .50"-1.00".



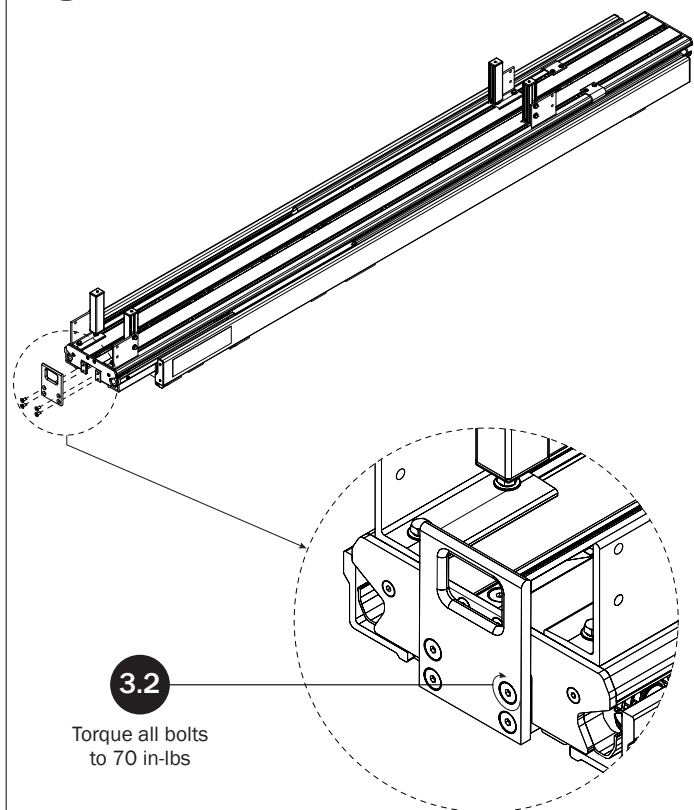
FRONT LADDER STOP ASSEMBLY

- 2.1** Attach the Front Ladder Stop Brackets to the Top Sliding Assembly using the hardware shown below. Set the Brackets flush as shown in Figure 3. Allow a minimum of 3.00" spacing from the Front Wheel Brackets to the Ladder Stop Brackets as shown in Figure 4. Do not tighten screws until Step 2.3



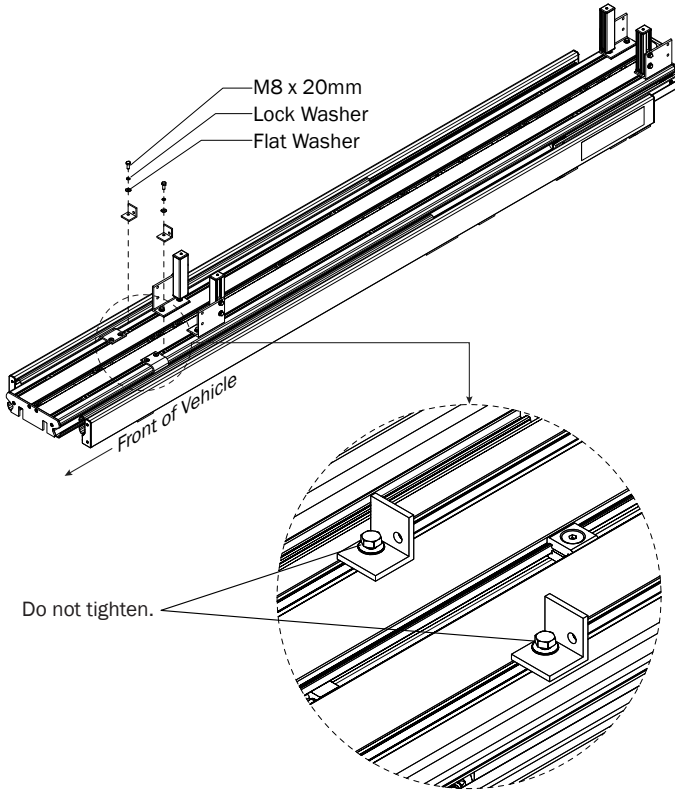
LATCH HANDLE PLATE

- 3.1** Attach the Latch Handle Plate using four (4) M8 x 18mm Flat Head Screws.

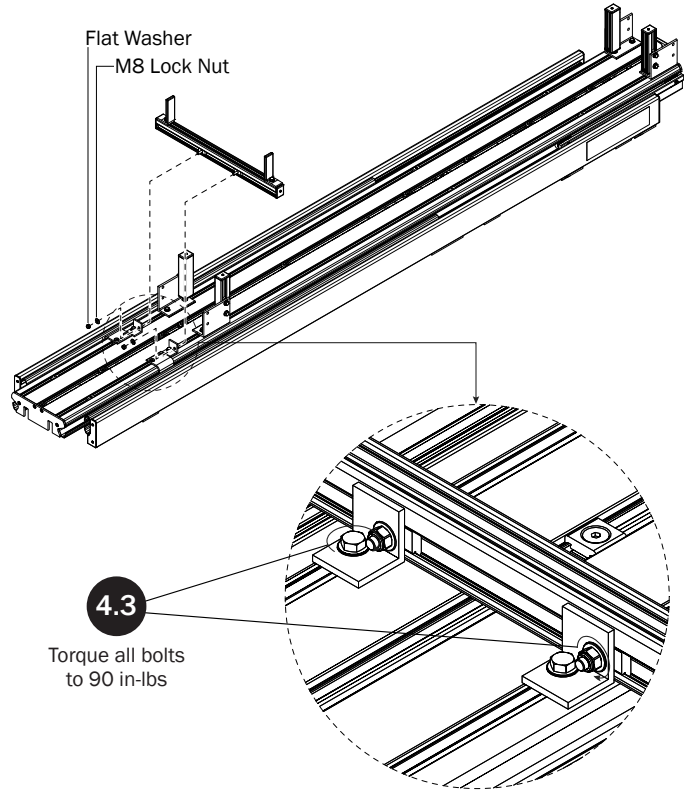


LADDER HOLDERS

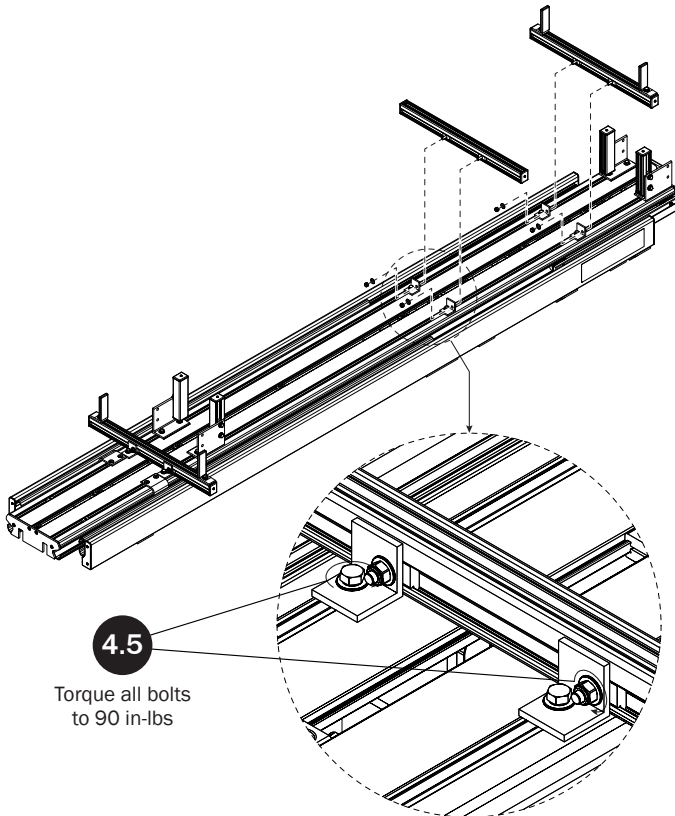
- 4.1** Attach Two (2) Ladder Support Connecting Brackets to the Top Sliding Assembly using the hardware shown below. Do not tighten screws until Step 4.3



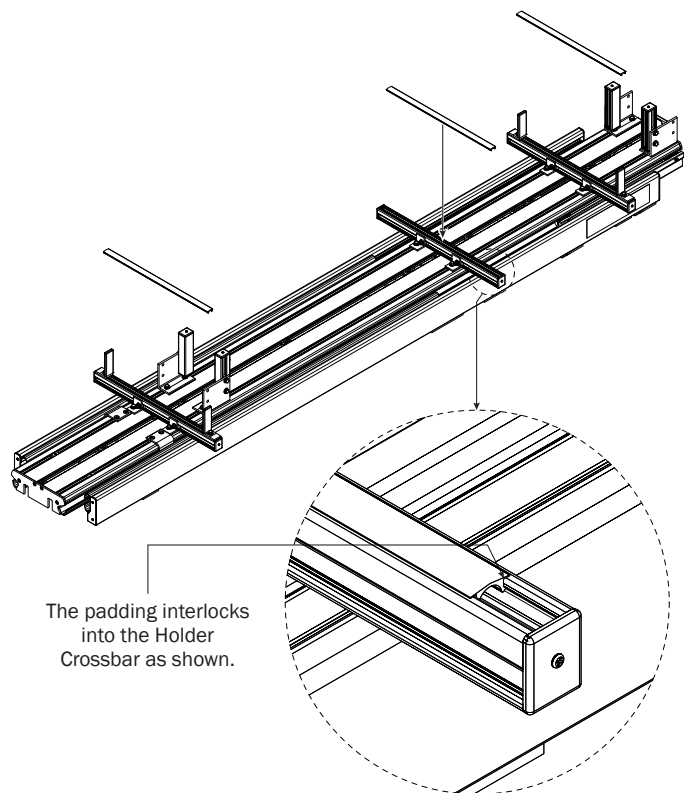
- 4.2** Attach the Ladder Holder Assembly to the Connecting Brackets using the hardware shown below. Center the Holder from left to right before tightening. This Ladder Holder can be adjusted later according to the ladder being carried.



- 4.4** Repeat Steps 4.1 & 4.2 to attach the remaining Ladder Holders to the Top Slide. The Ladder Support fitted with the End Stops is to be positioned toward the top of the Rack.



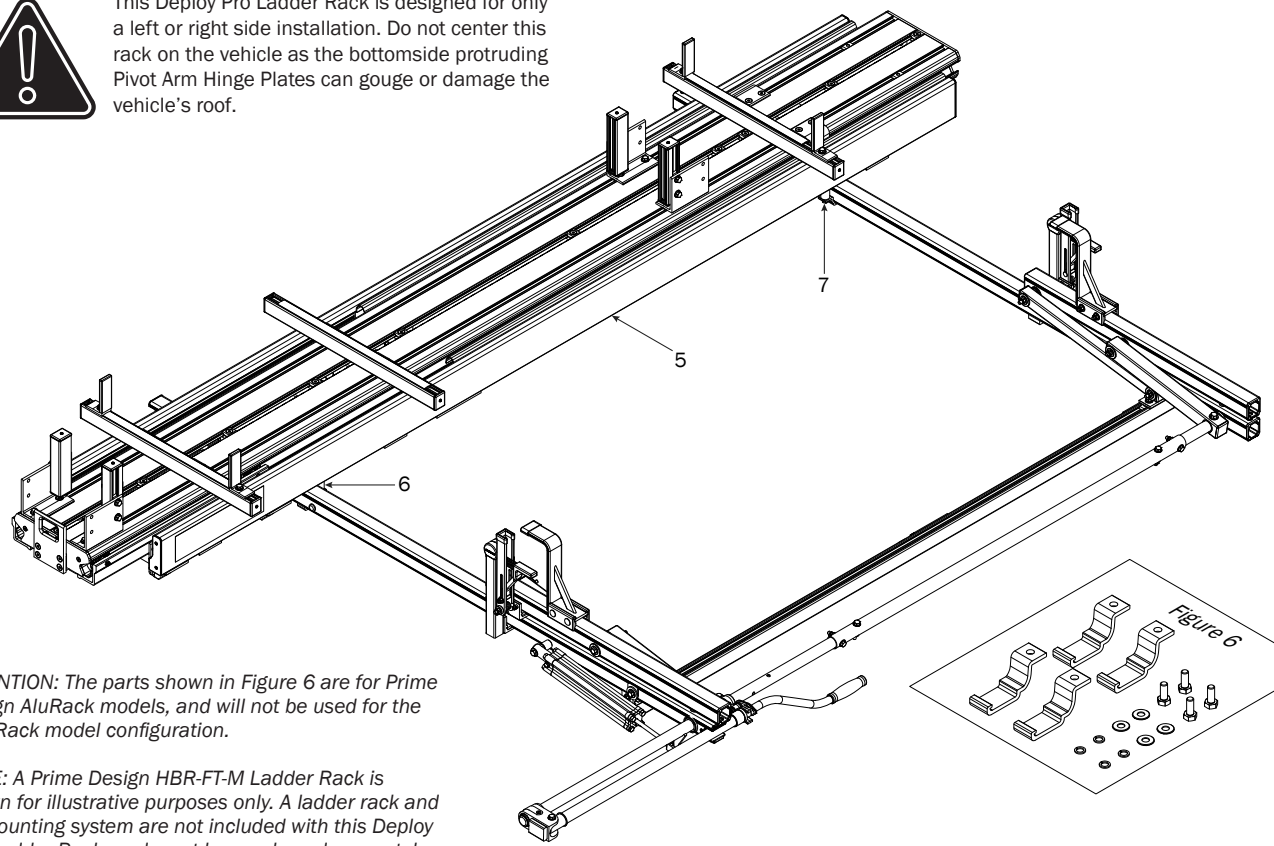
- 4.6** Install the Ladder Holder Padding into the top groove of the Holder's Crossbar. This piece is to be cut-to-fit for the top and bottom Holder fitted with the Ladder Stops once they've been properly adjusted for the ladder being carried.



INSTALLATION ONTO ERGORACK



This Deploy Pro Ladder Rack is designed for only a left or right side installation. Do not center this rack on the vehicle as the bottomsides protruding Pivot Arm Hinge Plates can gouge or damage the vehicle's roof.



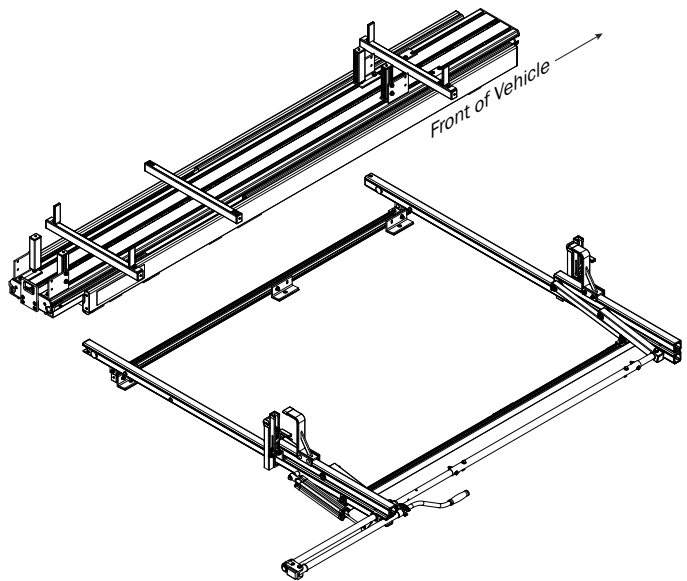
ATTENTION: The parts shown in Figure 6 are for Prime Design AluRack models, and will not be used for the ErgoRack model configuration.

NOTE: A Prime Design HBR-FT-M Ladder Rack is shown for illustrative purposes only. A ladder rack and its mounting system are not included with this Deploy Pro Ladder Rack, and must be purchased separately.

DEPLOY PRO PLACEMENT



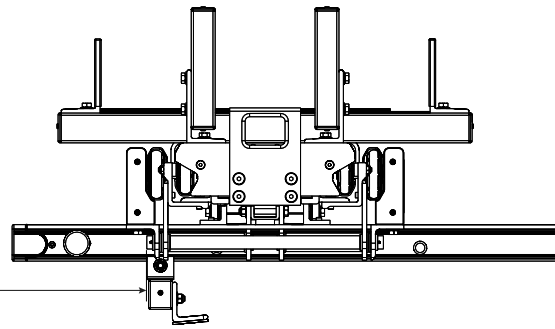
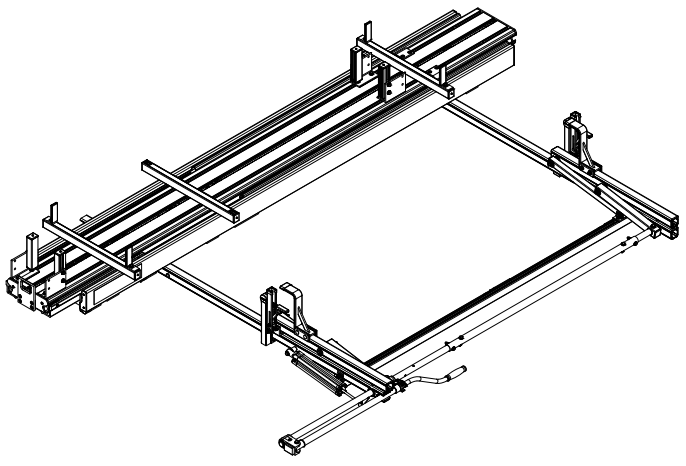
This Deploy Pro Ladder Rack weighs approximately 129 lbs. To prevent damage to the vehicle or Ladder Rack, It's recommended to use a mechanical lifting device to safely place it onto the mounted Ladder Rack or Base Mounting System.



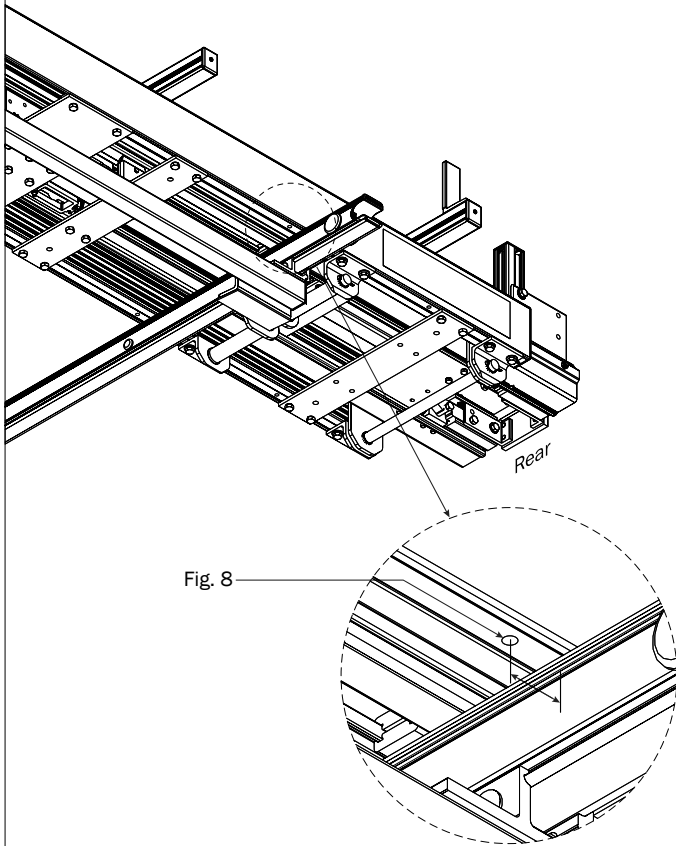
5.1 Place the Deploy Pro Ladder Rack onto an installed ErgoRack, or a Base Mounting System fitted with Crossbars. Do not place this rack directly onto any vehicle roof or OEM-equipped Crossbars. Place only onto an aftermarket ladder carrying system.

5.2

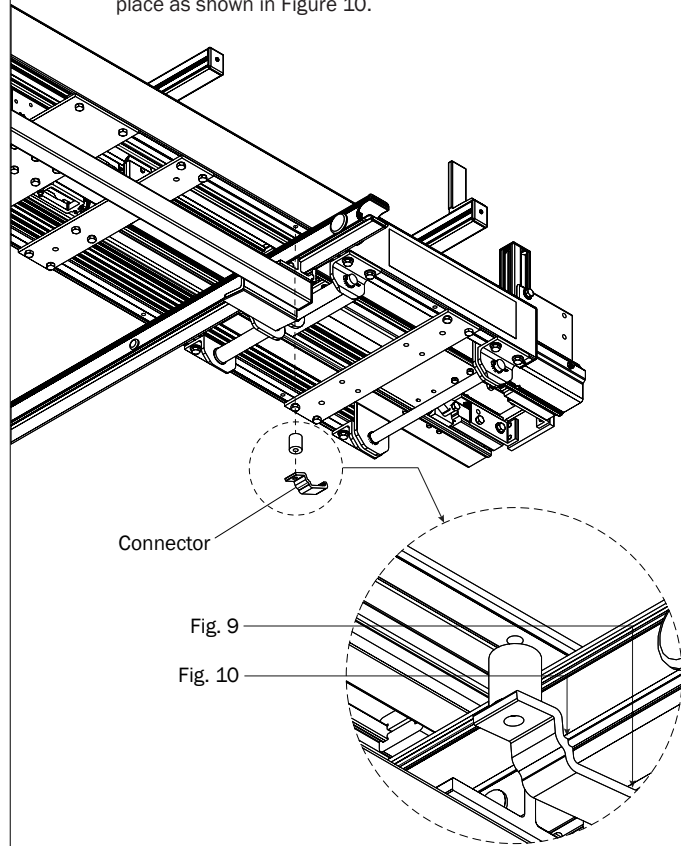
Position the Deploy Pro until the Ladder Holders are inboard of the Crossbar's ends. The Pivot Bar does not exceed beyond the FBM Mounting as shown in Figure 7.



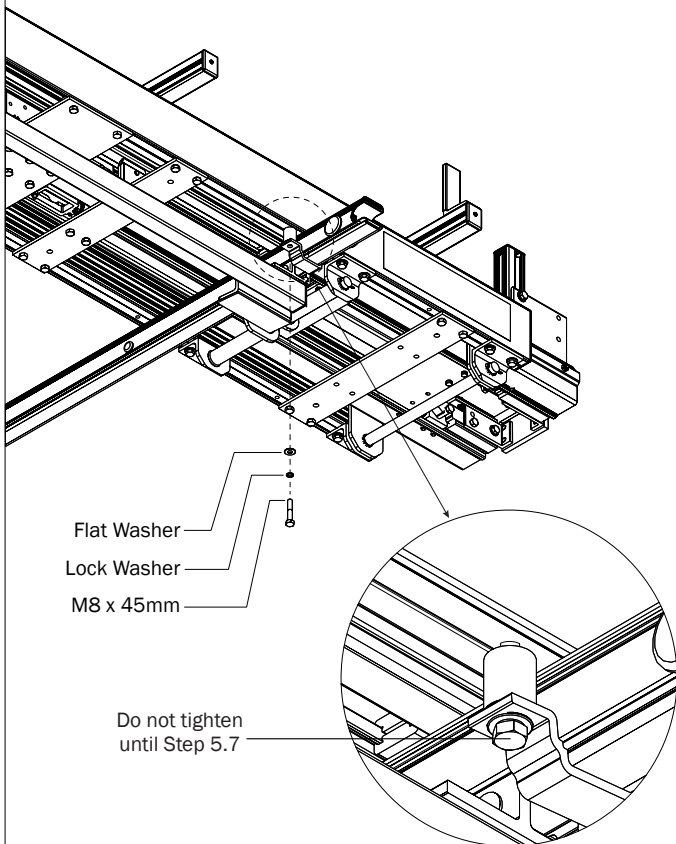
- 5.3** Slide the entire Deploy Pro toward the Rear Crossbar until the bolt hole is 20mm from the Crossbar as shown in Figure 8.



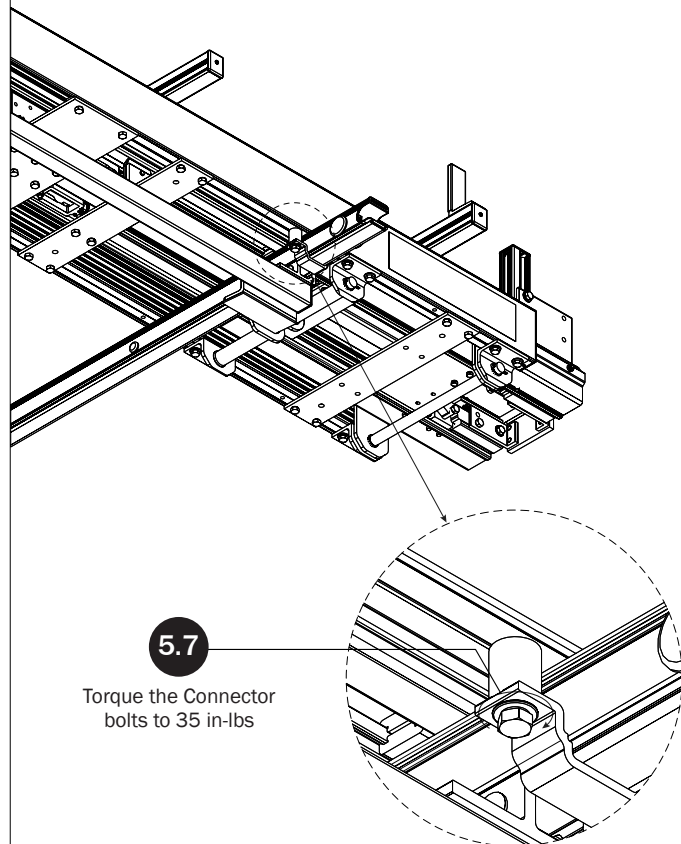
- 5.4** Position a Connector onto the bottomside of the Crossbar. It must fully engage the Crossbar's lower groove as shown in Figure 9. Swing the Connector upward until it connects in place as shown in Figure 10.



- 5.5** Attach the Connector using the hardware shown below.



- 5.6** Repeat Steps 5.4 & 5.5 to install the Connector to the other side of the Deploy Pro and to the Rear Crossbar.

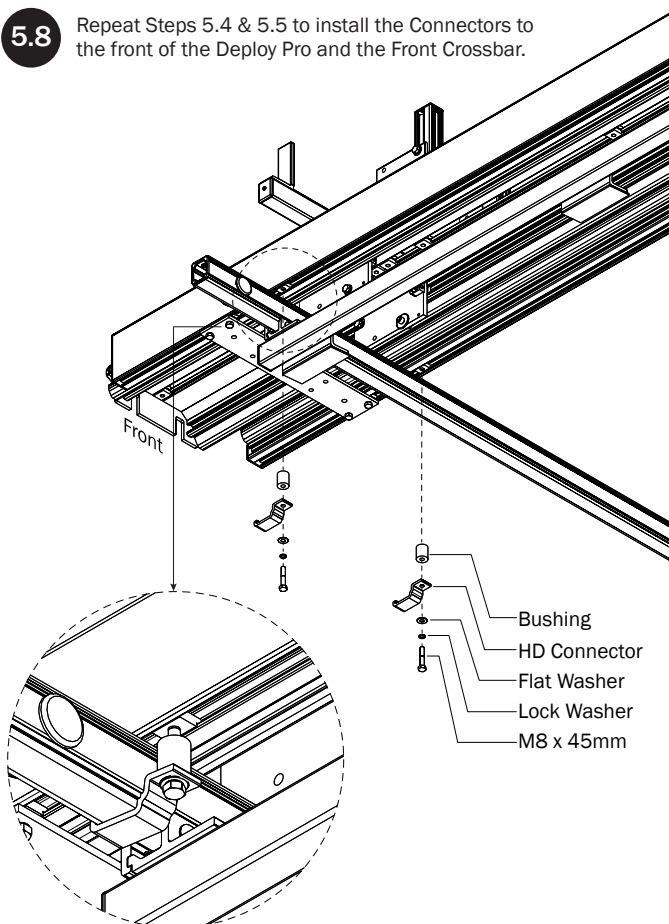


- 5.7**

Torque the Connector bolts to 35 in-lbs

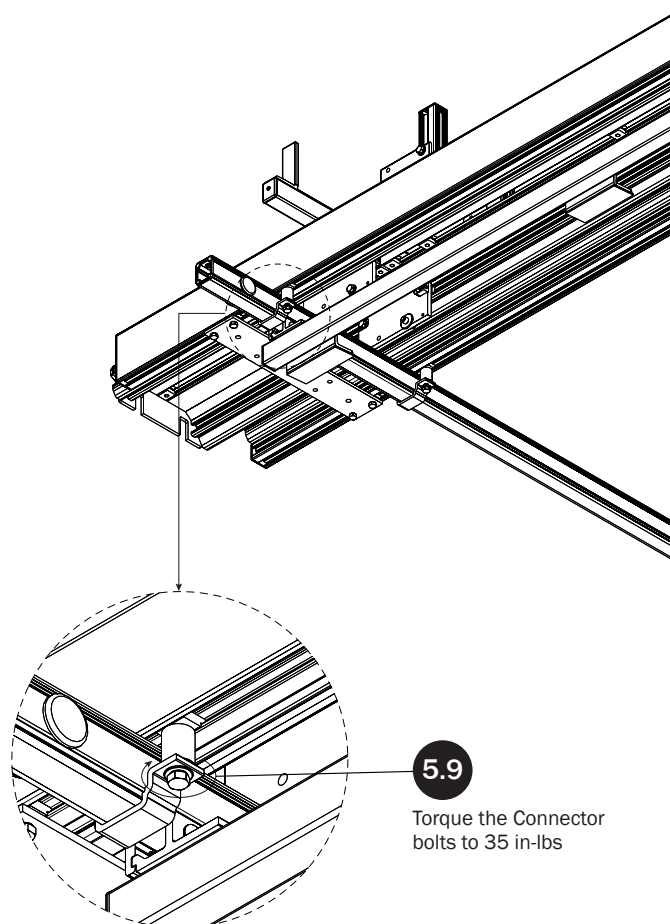
5.8

Repeat Steps 5.4 & 5.5 to install the Connectors to the front of the Deploy Pro and the Front Crossbar.



5.9

Torque the Connector bolts to 35 in-lbs

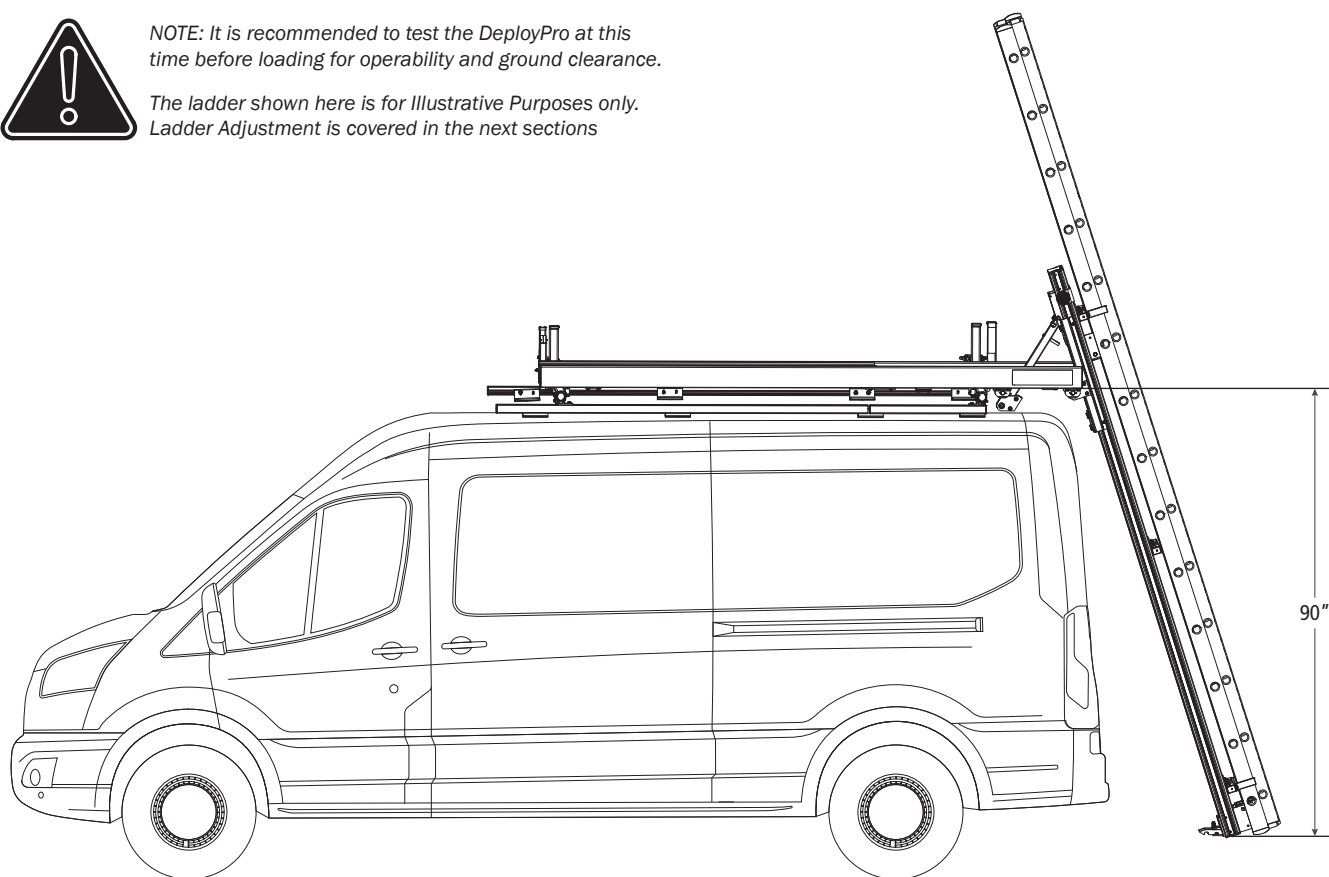


OPERATION CHECK FOR HIGH ROOF



NOTE: It is recommended to test the DeployPro at this time before loading for operability and ground clearance.

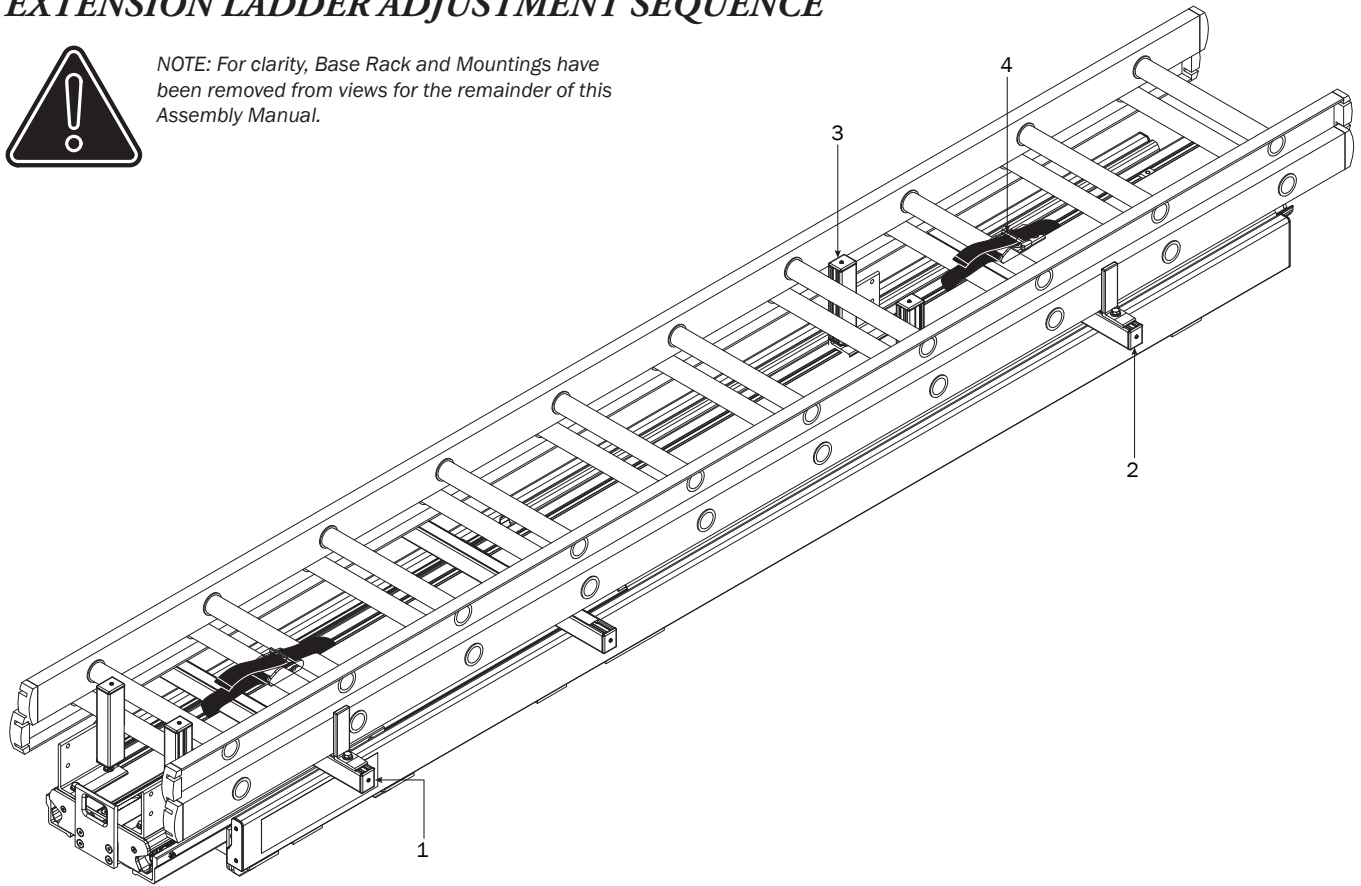
The ladder shown here is for Illustrative Purposes only.
Ladder Adjustment is covered in the next sections



EXTENSION LADDER ADJUSTMENT SEQUENCE

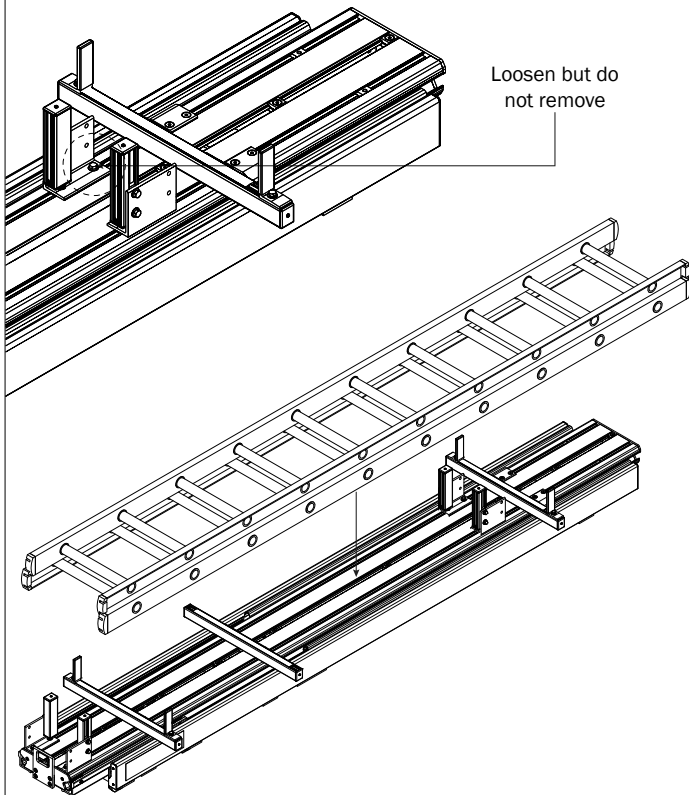


NOTE: For clarity, Base Rack and Mountings have been removed from views for the remainder of this Assembly Manual.



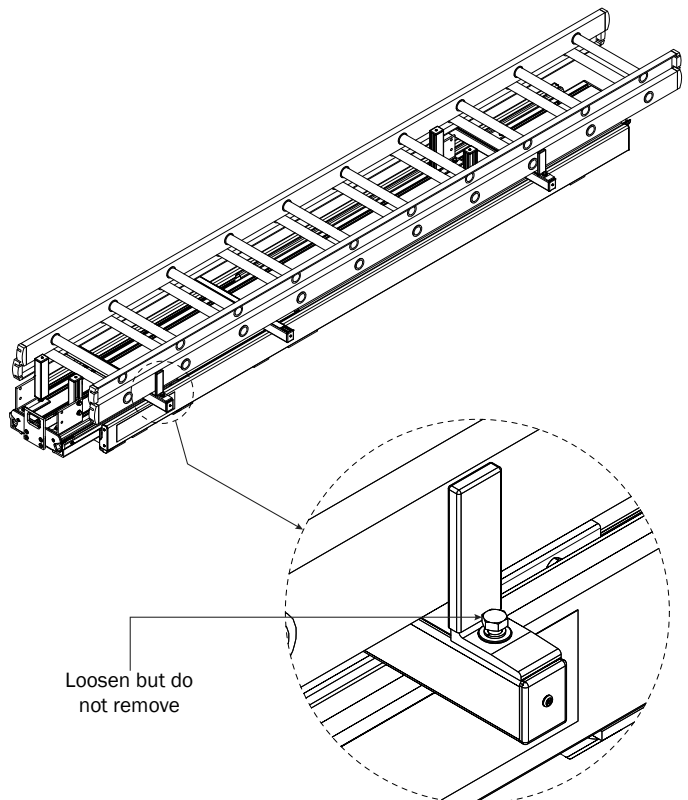
1.1

Prepare for ladder adjustment by loosening the bolts on the Front Ladder Stops, and placing the ladder onto the Deploy Pro as shown below.



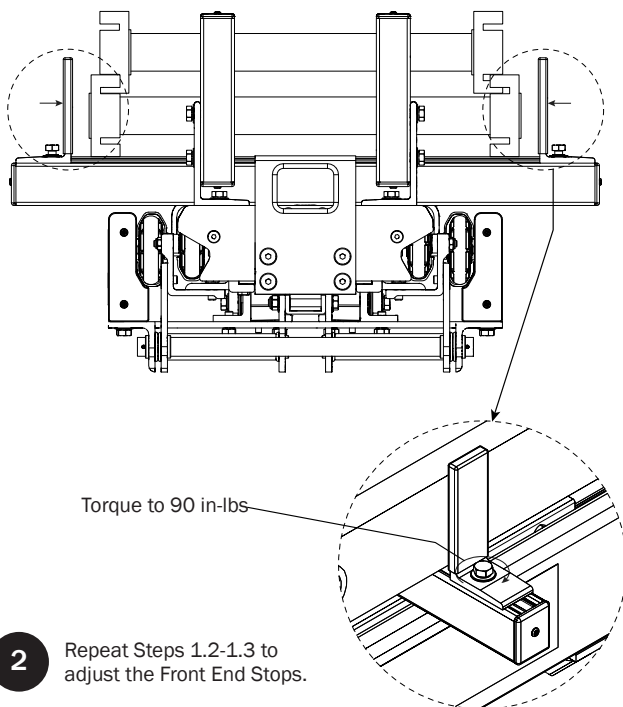
1.2

Prepare for adjustment by loosening the bolts on the Rear End Stops as shown below.



1.3

Slide the End Stops to within $\frac{1}{4}$ " of the ladder on each side as shown below.

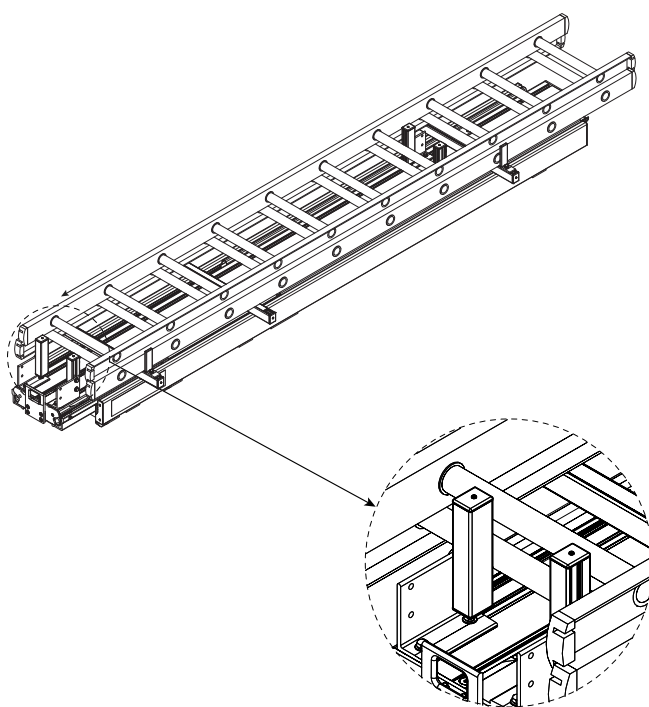


2

Repeat Steps 1.2-1.3 to adjust the Front End Stops.

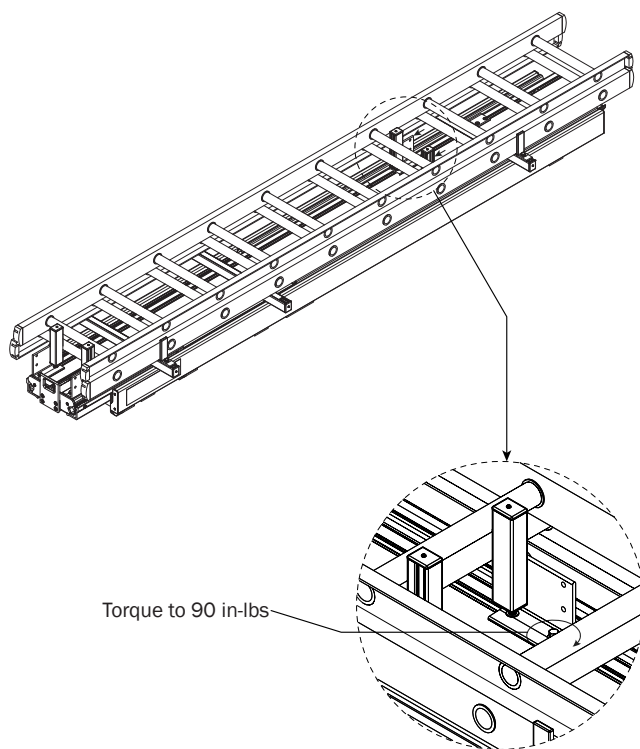
3.1

Slide the ladder until flush with the Rear Ladder Stops as shown below.



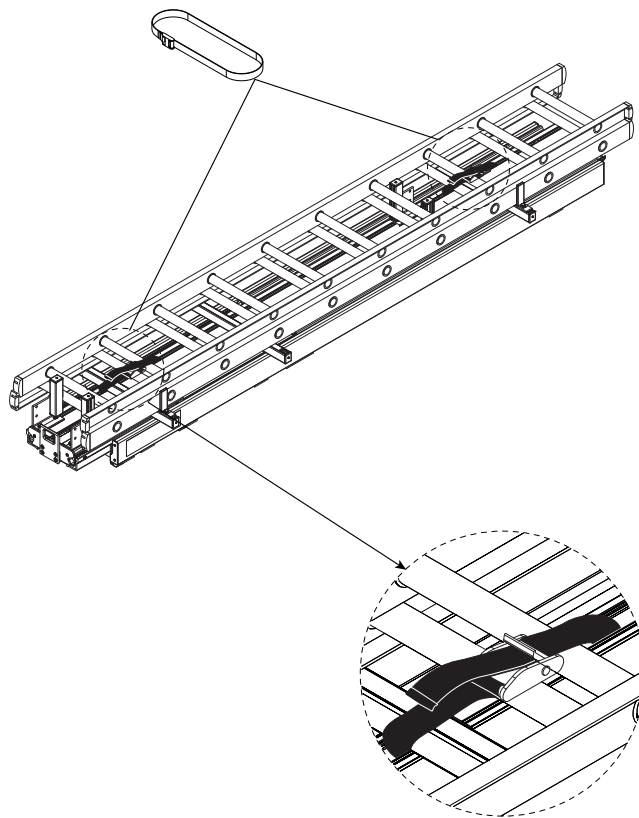
3.2

Slide the Front Ladder Stops until flush with ladder as shown below.



4

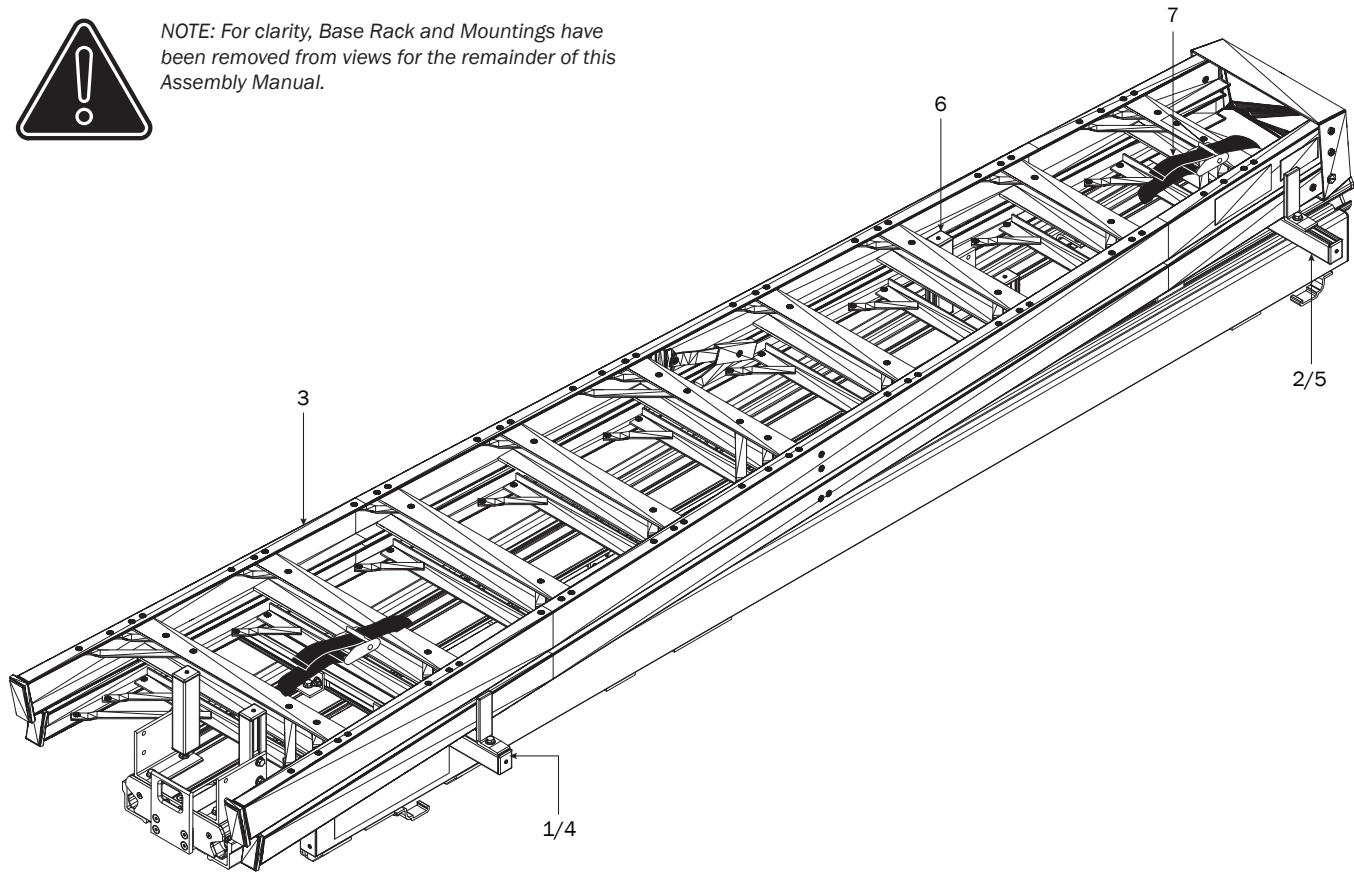
Secure ladder using straps, tightening around both the ladder and Ladder Holders as shown below



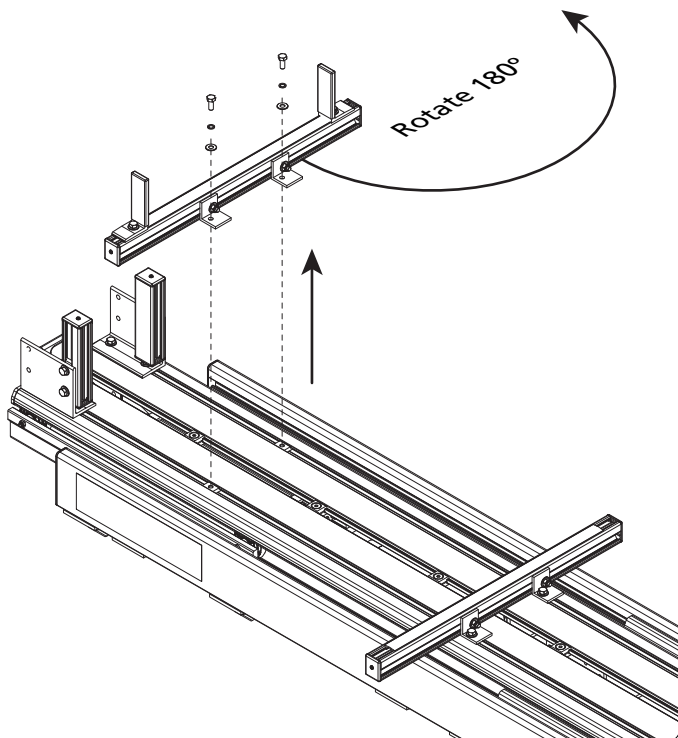
STEP LADDER ADJUSTMENT SEQUENCE



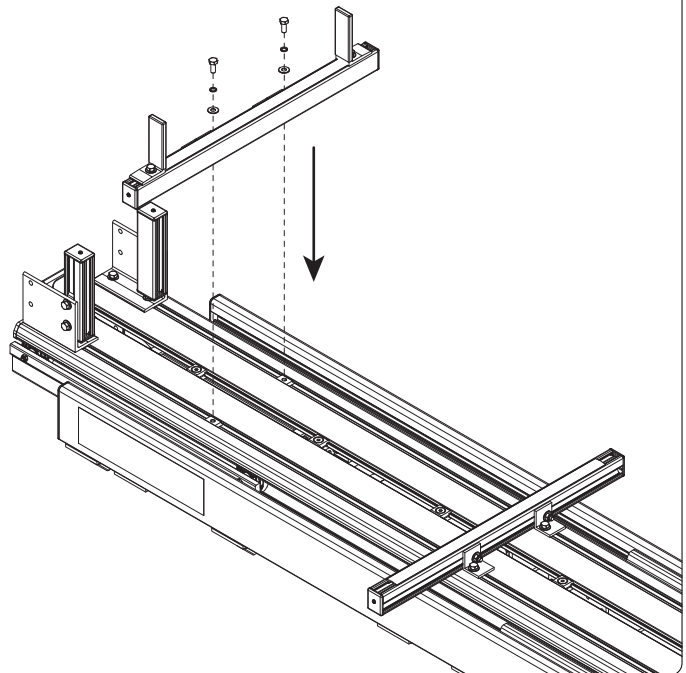
NOTE: For clarity, Base Rack and Mountings have been removed from views for the remainder of this Assembly Manual.



- 1.1** Loosen and remove the Hardware on the Rear Ladder Holder Connecting Brackets and rotate 180° as shown.

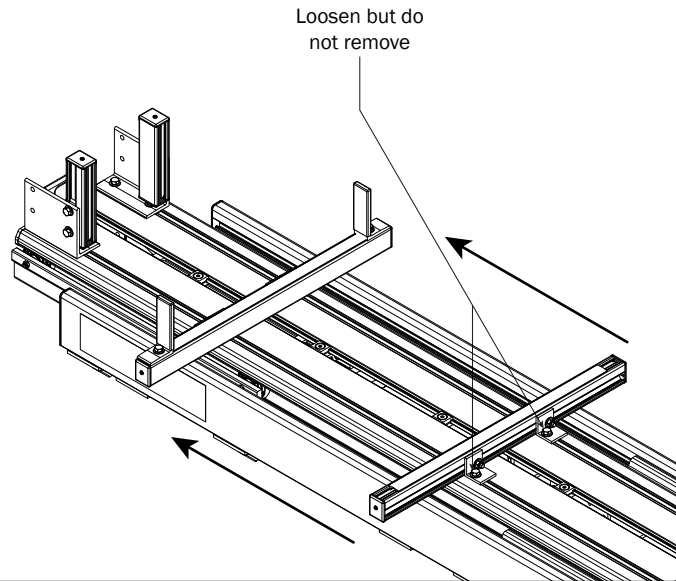


- 1.2** Reinstall the Rear Ladder Holder as shown and torque to 90 in-lbs.



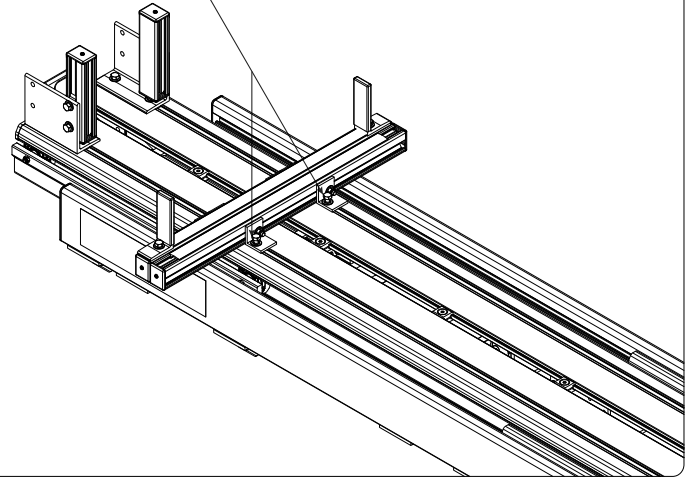
1.3

Slide the Center Ladder Holder to sit flush with the Rear Ladder Holder as shown below.



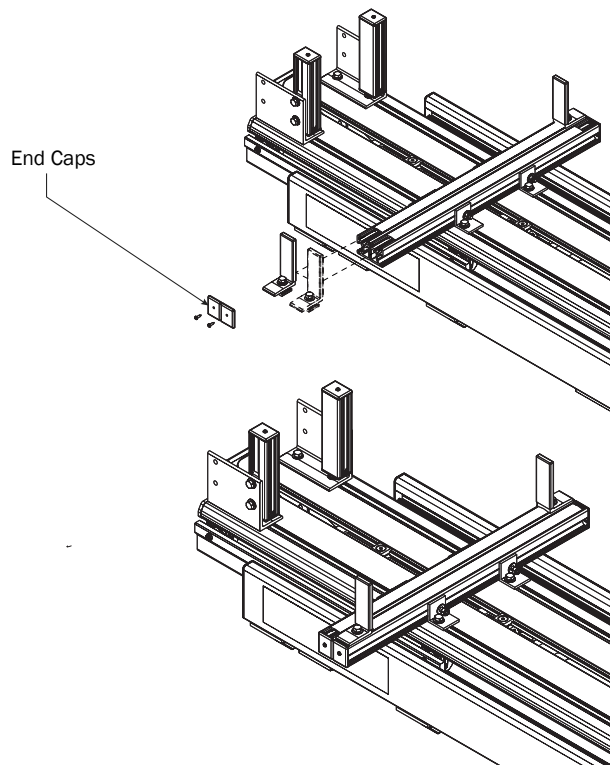
1.4

Torque to
90 in-lbs



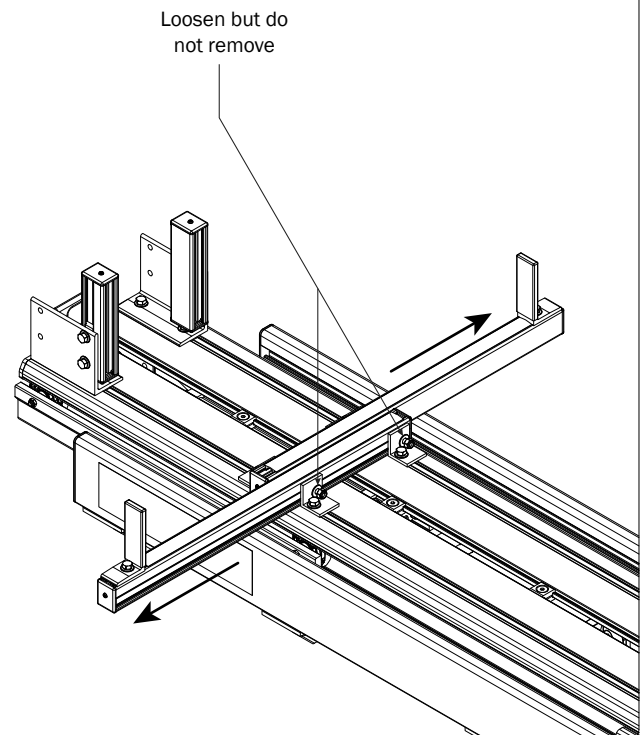
1.5

Remove the End Caps from one side of the Rear and Center Ladder Holders. Move the End Stop on that side from the Rear to Center Ladder Holder and replace End Caps as shown below.



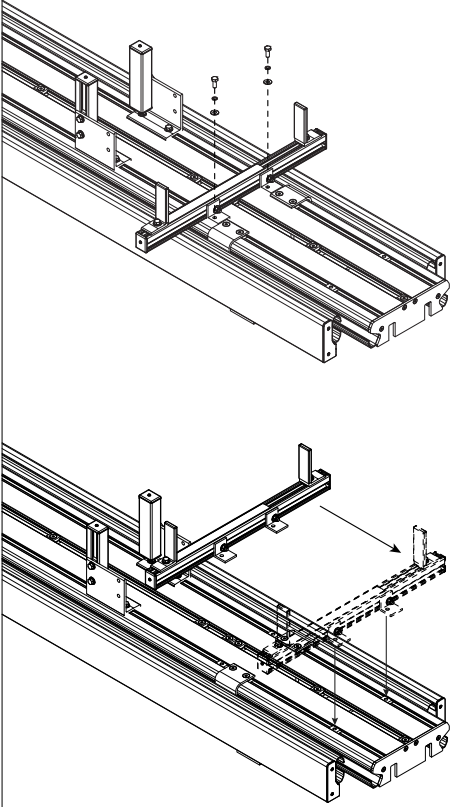
1.6

Loosen the indicated Bolt from the Connecting Bracket Hardware on the Rear and Center Ladder Holders, slide outward to their ends as shown below, and torque hardware to 90 in-lbs.



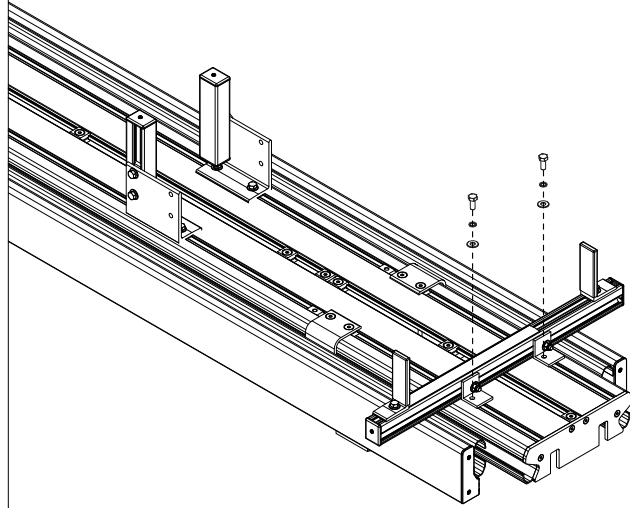
2.1

Remove the Bolts from the Front Ladder Holder Connecting Brackets, and move it forward to the next set of strip nuts as shown.



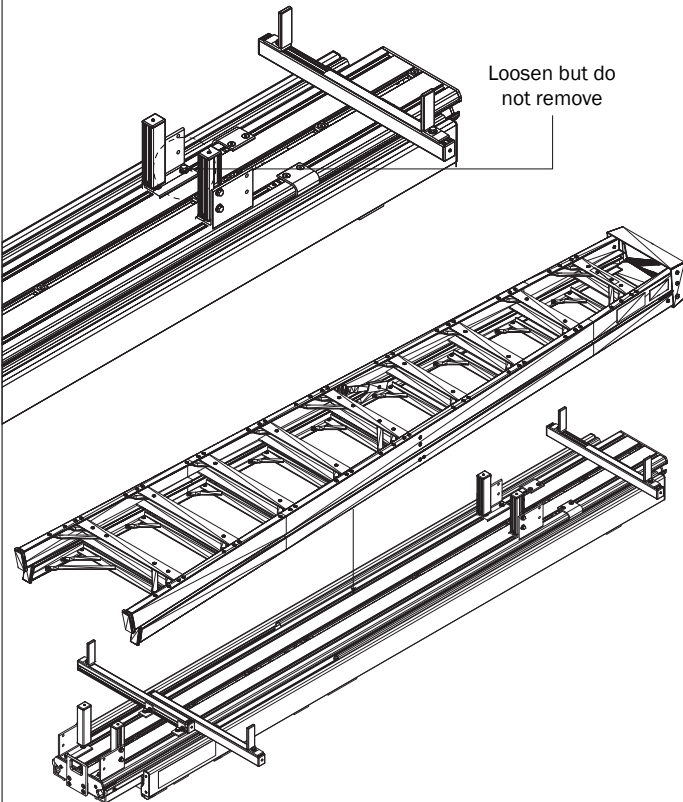
2.2

Reattach with Hardware as shown and torque to 90 in-lbs.



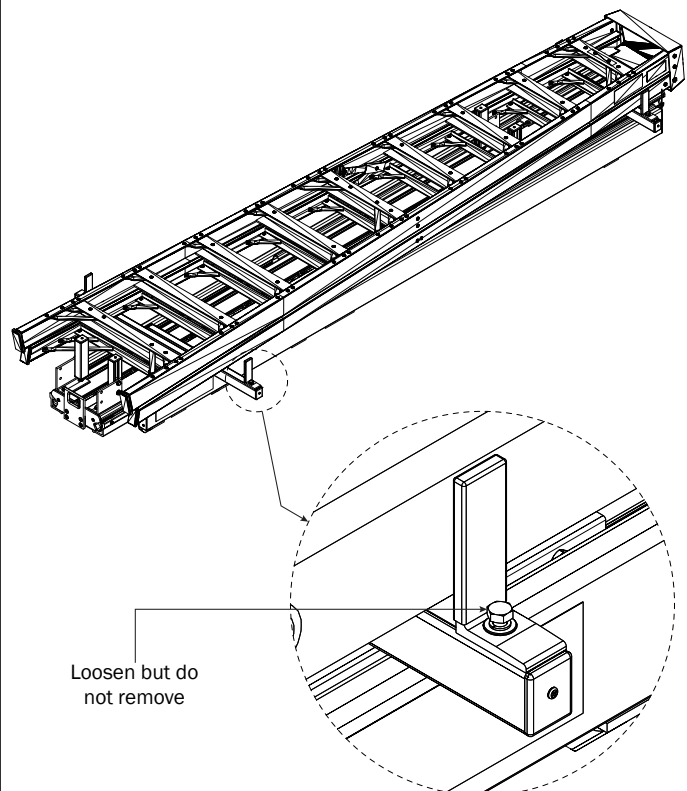
3.1

Prepare for ladder adjustment by loosening the bolts on the Front Ladder Stops, and placing the ladder onto the Deploy Pro as shown below.

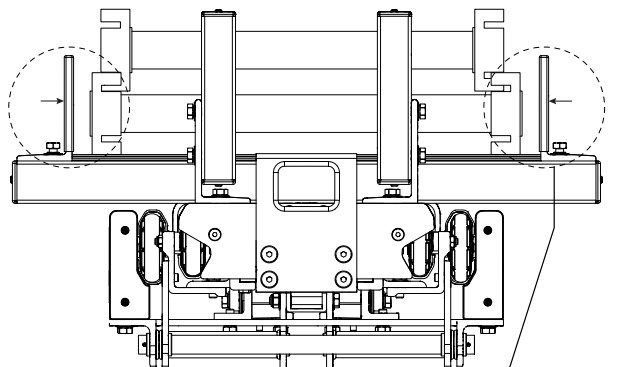


3.2

Prepare for adjustment by loosening the bolts on the Rear End Stops as shown below.

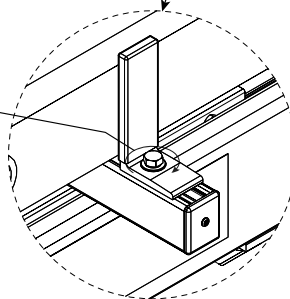


- 3.3** Slide the End Stops to within $\frac{1}{4}$ " of the ladder on each side as shown below.

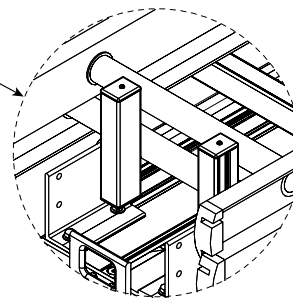
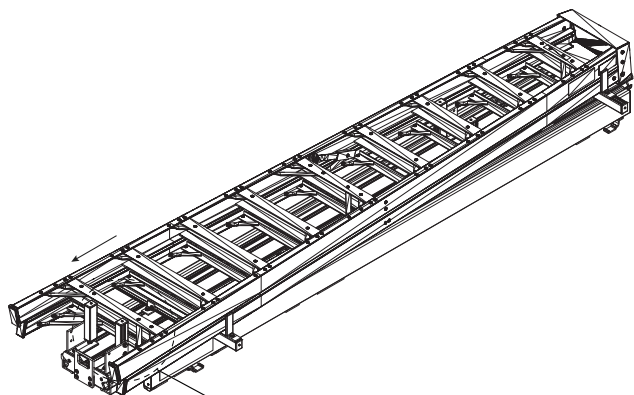


Torque to 90 in-lbs

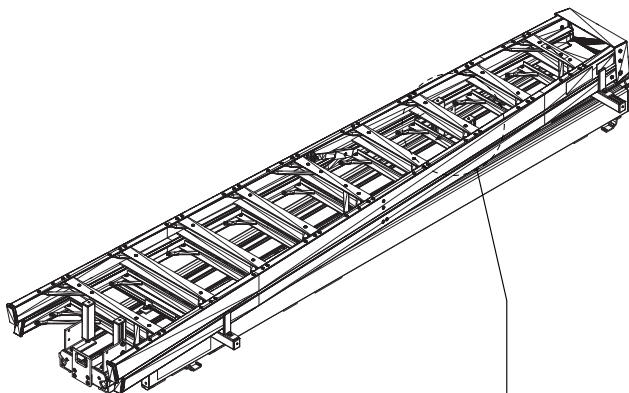
- 4** Repeat Steps 3.2-3.3 to adjust the Front End Stops.



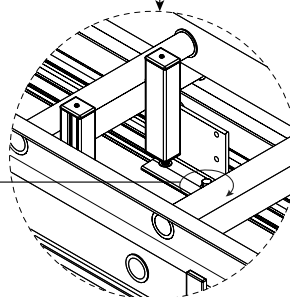
- 5.1** Slide the ladder until flush with the Rear Ladder Stops as shown below.



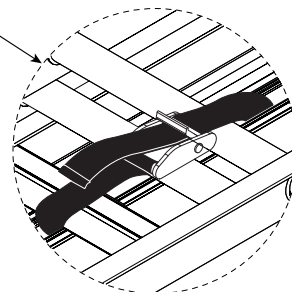
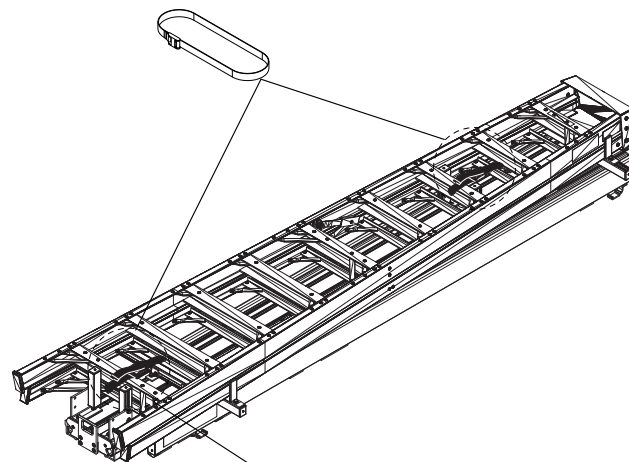
- 5.2** Slide the Front Ladder Stops until flush with ladder as shown below.



Torque to 90 in-lbs



- 6** Secure ladder using straps, tightening around both the ladder and Ladder Holders as shown below



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