

## ASSEMBLY / INSTALLATION INSTRUCTIONS

### Recommended Tools



AIR / HAND RATCHET



7/16" SOCKET



7/16" COMBO WRENCH



TORQUE WRENCH

### Hardware



3/8-16 x 3/4 SST CARRIAGE BOLT



3/8-16 x 1 SST CARRIAGE BOLT



5/16-18 X 1 1/2 SST HEX HEAD SCREW



5/16 x 1 1/4 CARRIAGE BOLT



5/16-18 X 1 3/4 SST HEX HEAD SCREW



5/16-18 X 2 HEX HEAD SCREW



M6 x 1 x 20 MM 1.0 GR8.8 ZINC HWH SCREW



5/16 EXTERNAL TOOTH WASHER



1/4 ZINC Lock Washer



3/8 SST FLAT WASHER



5/16 SST FLAT WASHER



5/16 SST HEX NUT



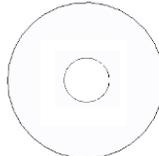
3/8 SST E-STOP NUT



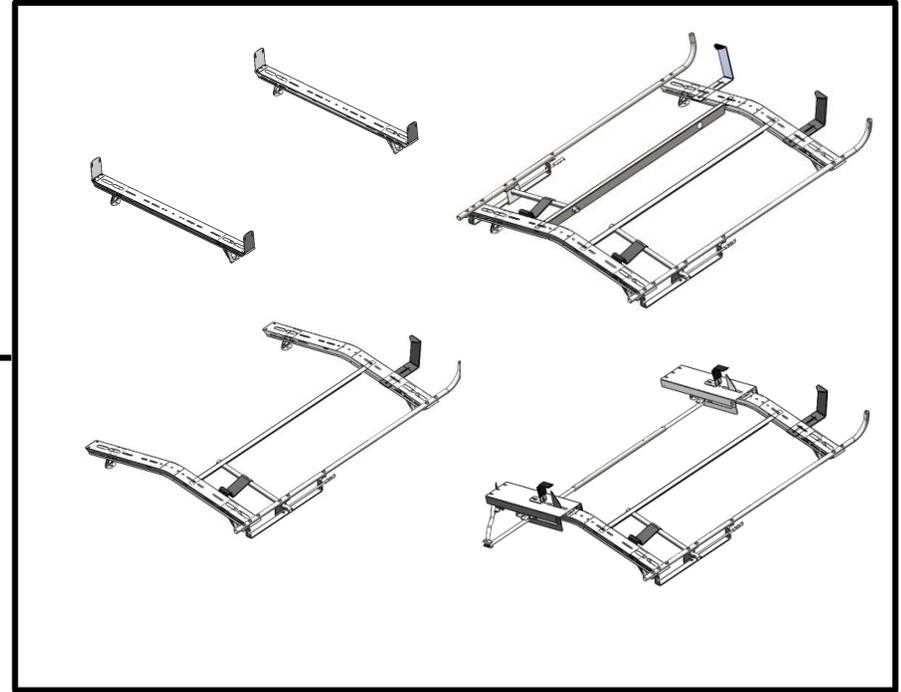
5/16 SST E-STOP NUT



1/4 ID ZINC FLAT WAHER

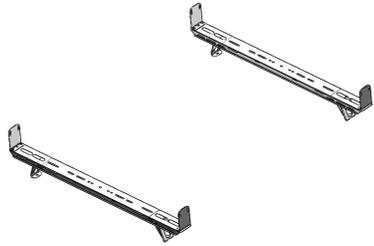


1/4" 18-8SS 1-1/2" O.D., 9/32" I.D. FENDER WASHER

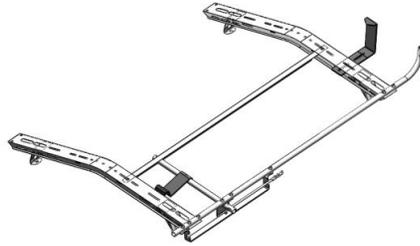


## PROMASTER CITY LADDER RACKS

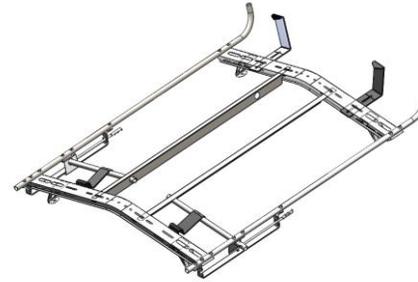
**Review this document to ensure that all parts and hardware are included in the package, before installation. In the event that parts are missing please contact Masterack @ 1-800-222-8785, to re-order missing parts.**



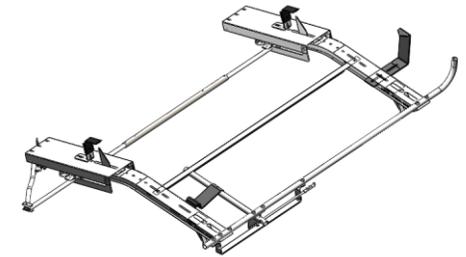
**UTILITY CARRIER**



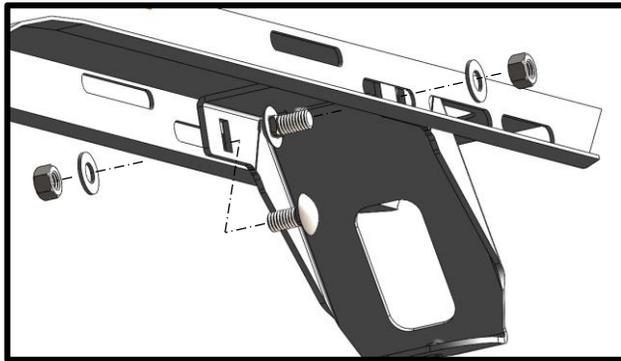
**SINGLE LOCKING  
LADDER RACK**



**DOUBLE LOCKING  
LADDER RACK**



**COMBO  
LADDER RACK**



**ATTACH MOUTING FEET AS SHOWN USING:**

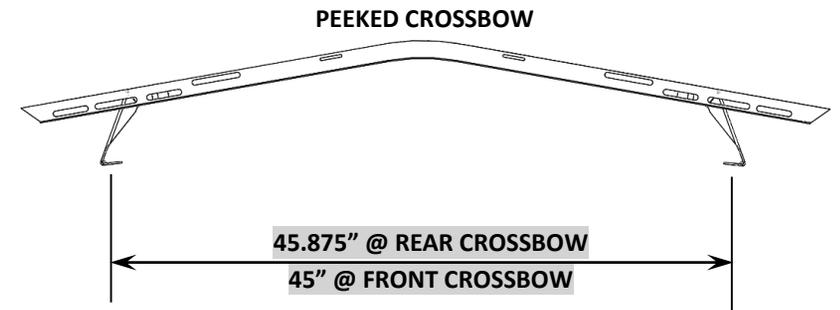
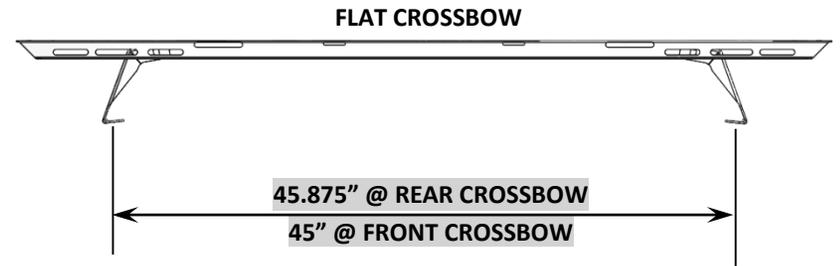
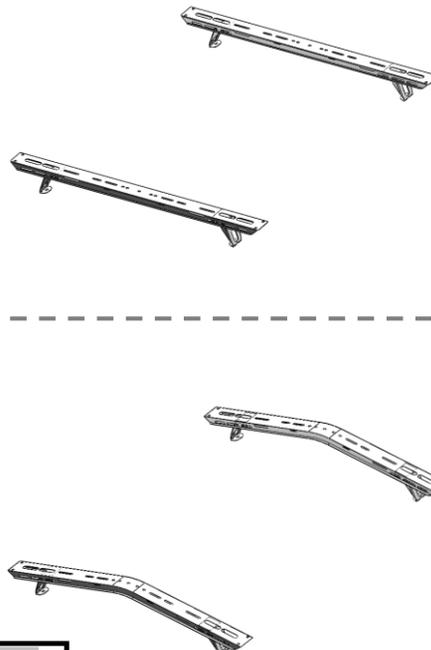
- (2) 3/8-16 x 3/4 SST Carriage Bolts
- (2) 3/8 SST Washers
- (2) 3/8 SST E-Stop Nuts

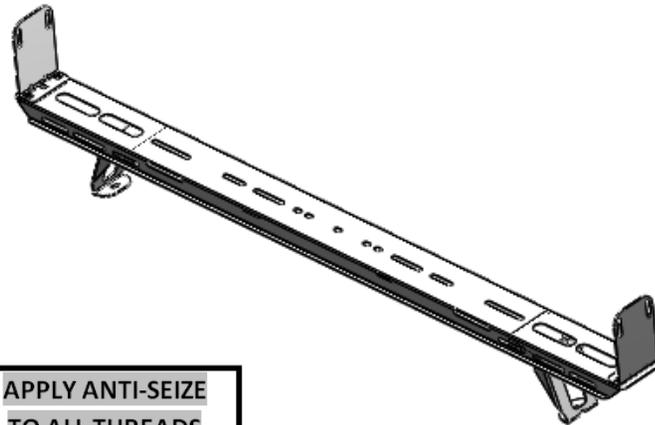
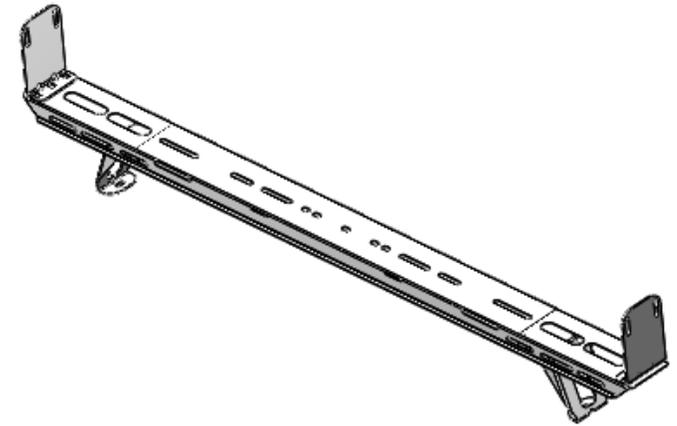
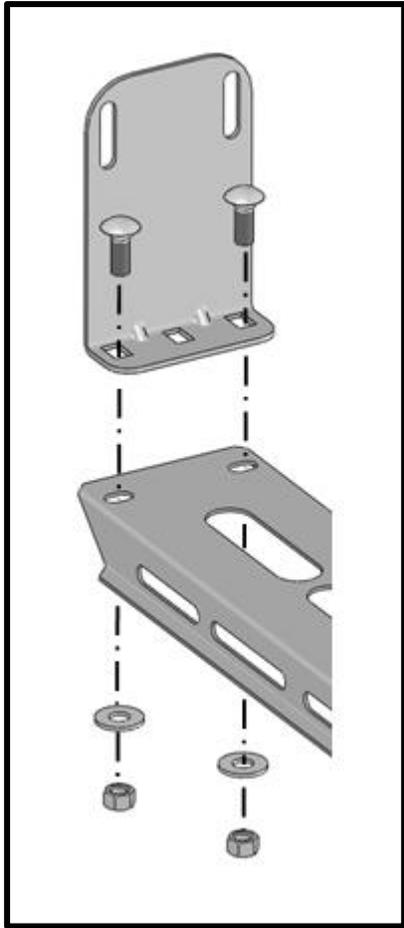
**PER FOOT**

**TORQUE SETTING:**

Size - 3/8 = 22-30 Ft.-Lbs.

**APPLY ANTI-SEIZE  
TO ALL THREADS**





**ATTACH SIDE STOPS AS SHOWN USING:**

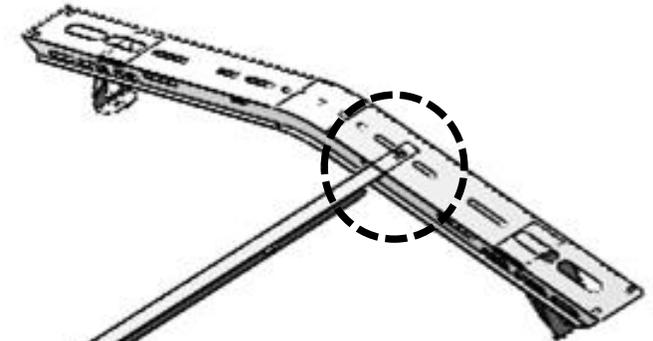
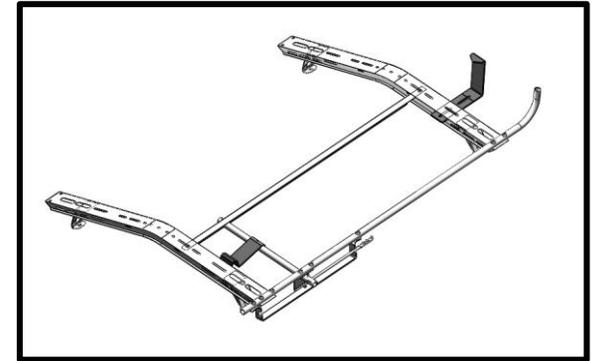
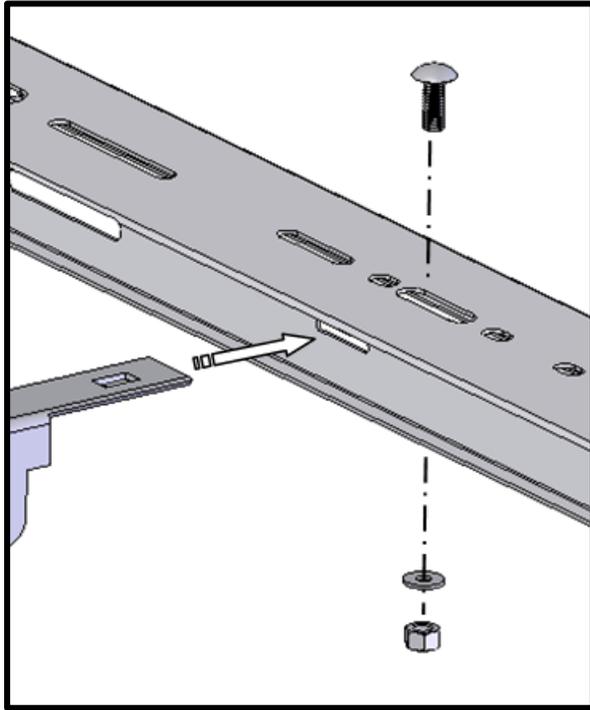
- (2) 3/8-16 x 1 SST Carriage Bolts
- (2) 3/8 SST Washers
- (2) 3/8 SST E-Stop Nuts

**PER SIDE STOP**

**TORQUE SETTING:**  
Size - 3/8 = 22-30 Ft.-Lbs.

**APPLY ANTI-SEIZE  
TO ALL THREADS**





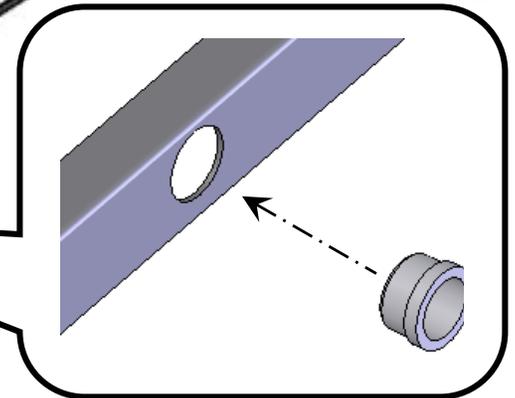
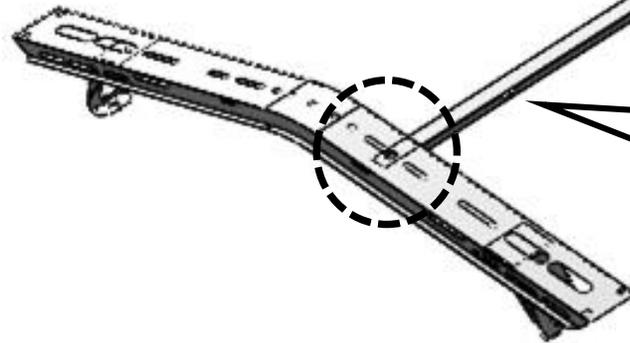
**INSERT EACH END OF THE INBOARD RAIL, INTO THE SLOTS IN THE FRONT AND REAR CROSSBOWS AS SHOWN and SECURE USING:**

- (2) 3/8-16 x 1 SST Carriage Bolts
- (2) 3/8 SST Washers
- (2) 3/8 SST E-Stop Nuts

**TORQUE SETTING:**  
Size - 3/8 = 22-30 Ft.-Lbs.

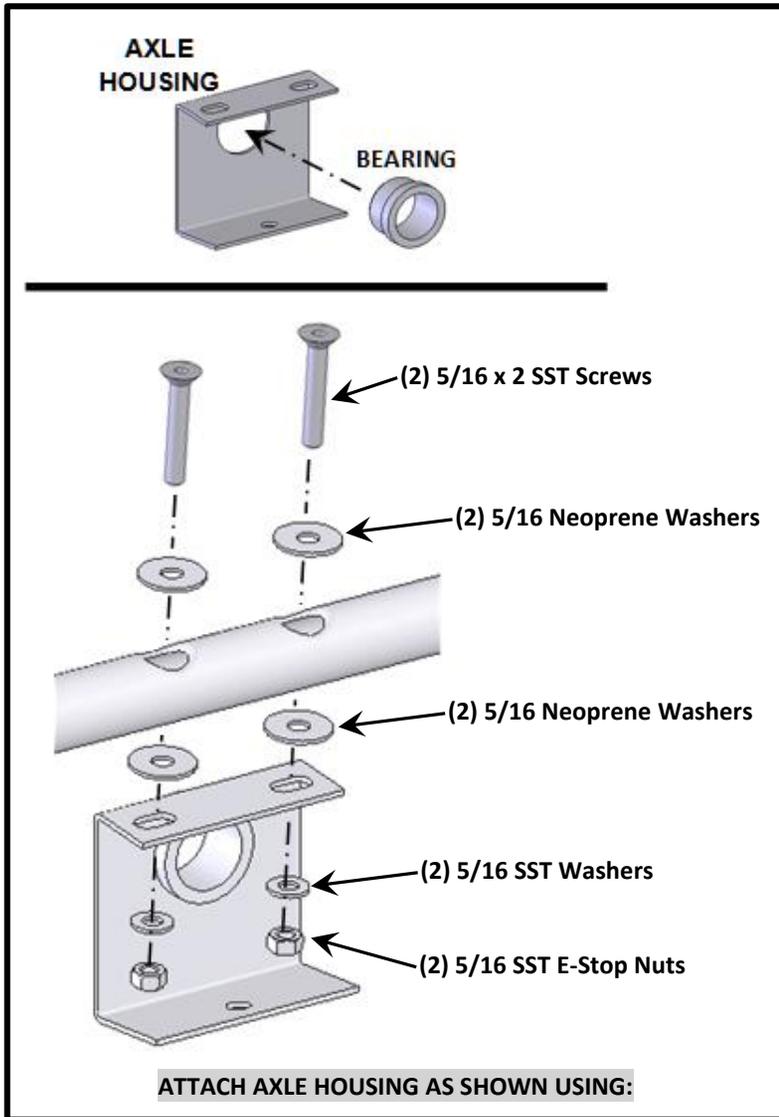


**INBOARD RAIL**

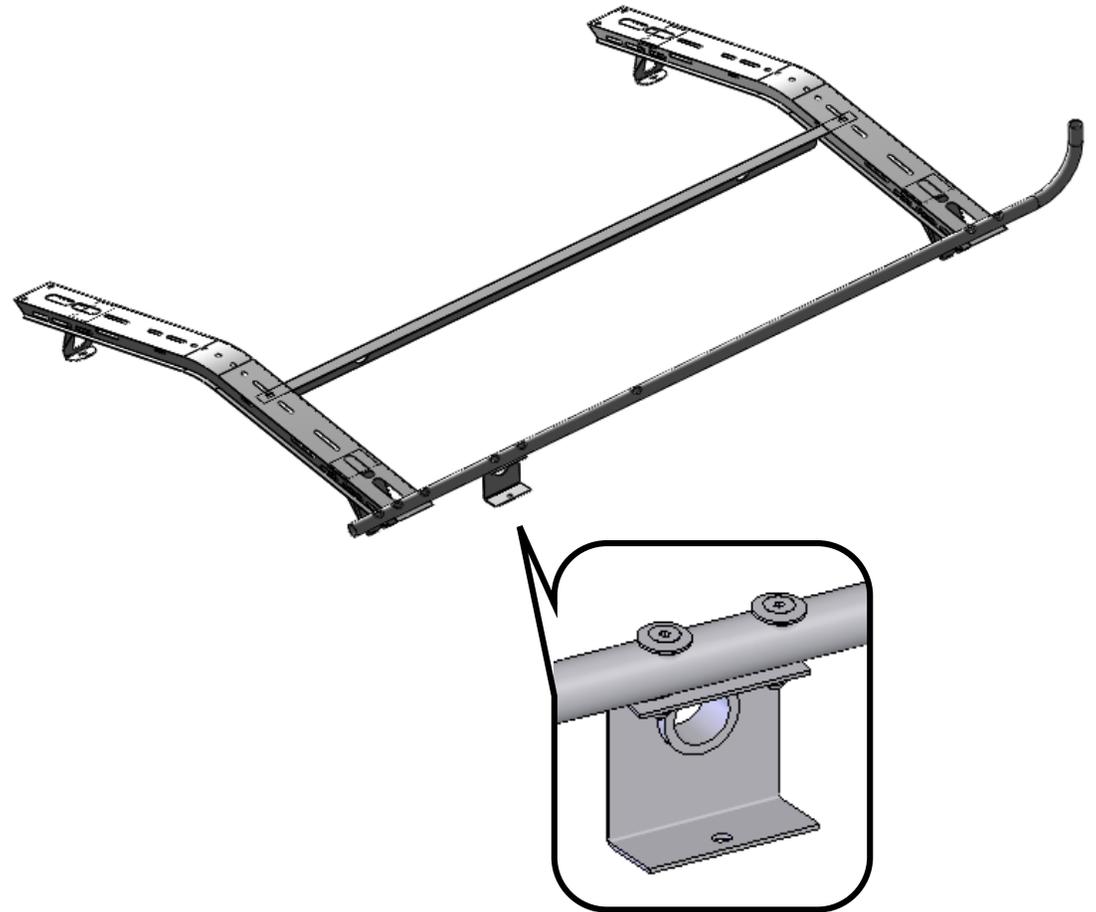


**INSERT THE BEARING INTO THE PRE-PUNCHED HOLE IN THE INBOARD RAIL.**

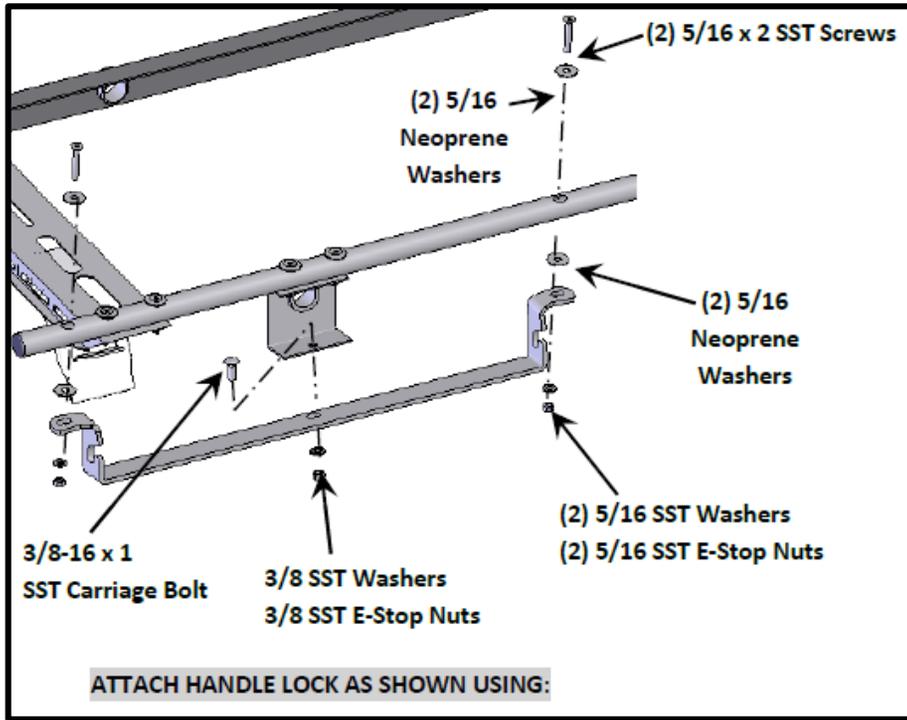




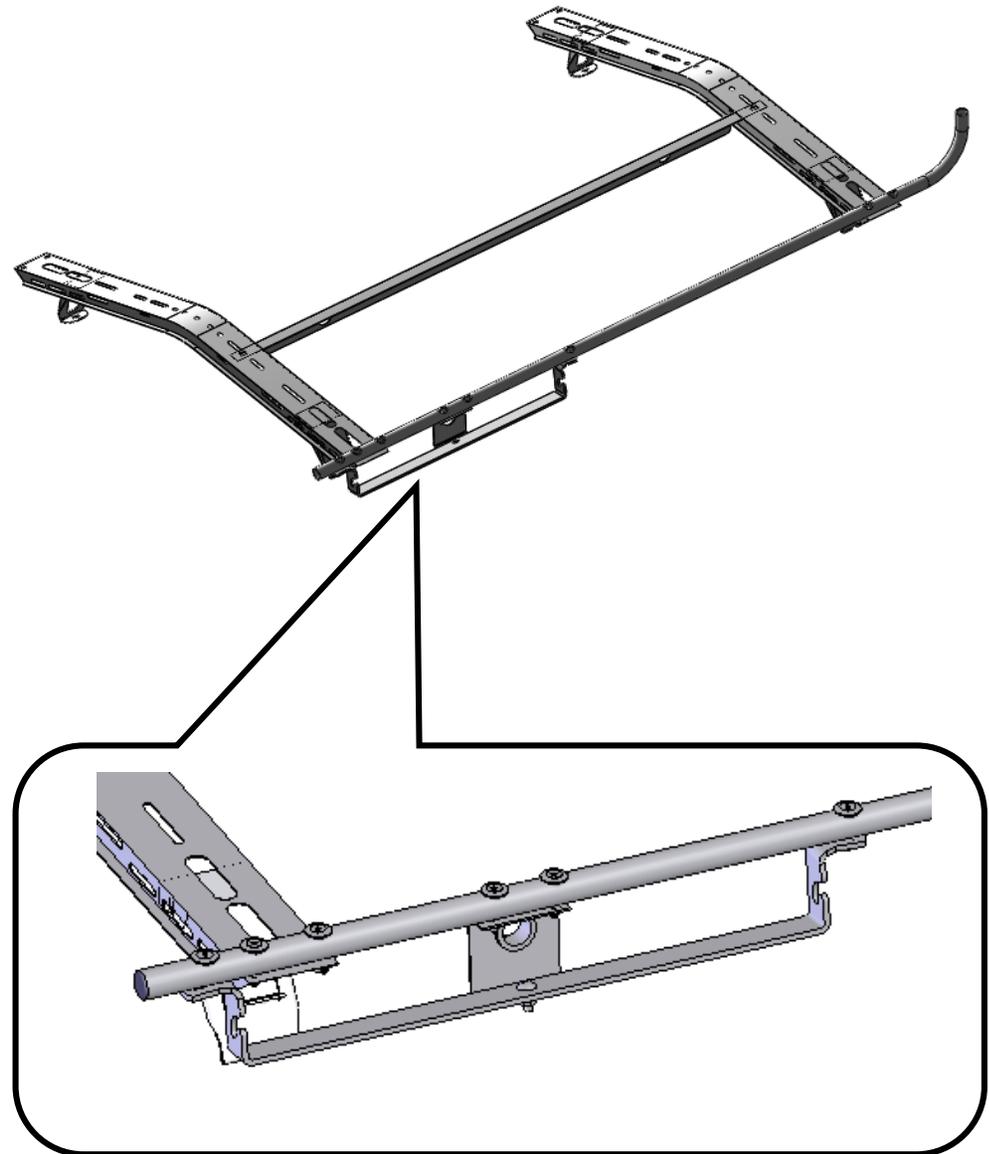
**TORQUE SETTING:**  
Size - 5/16 = 12-17 Ft.-Lbs.

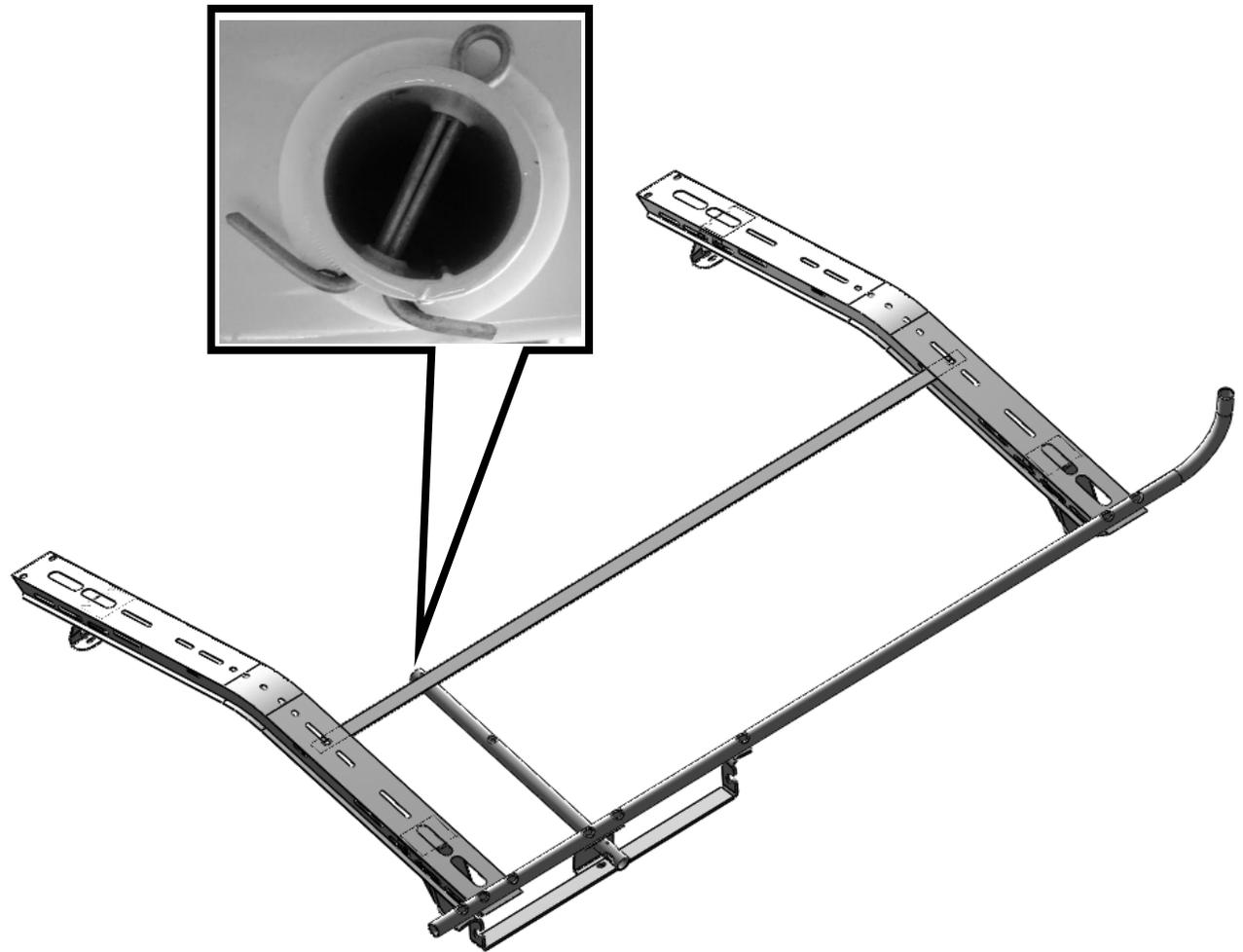
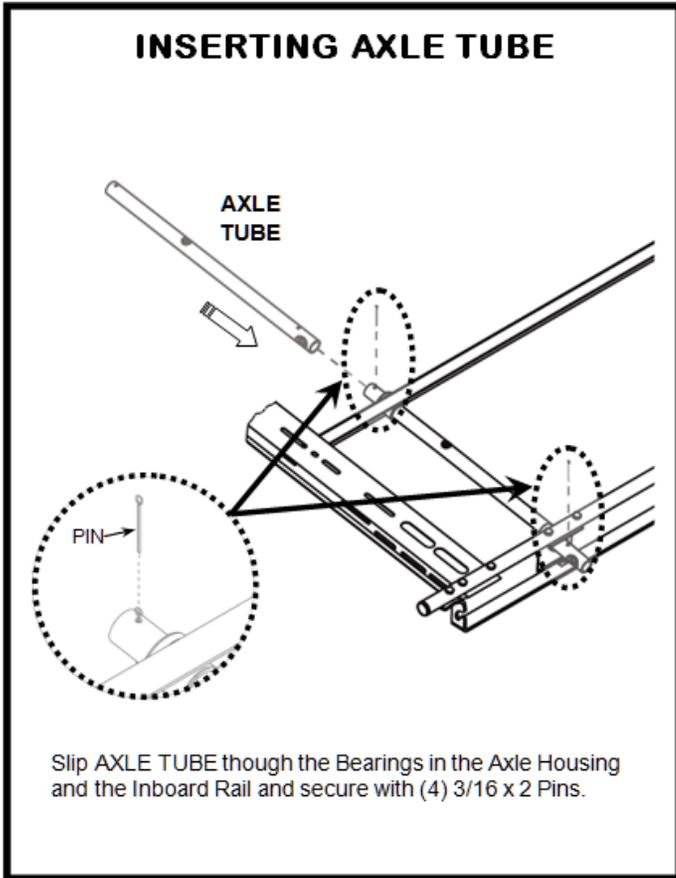


# SINGLE LOCK DOWN LADDER

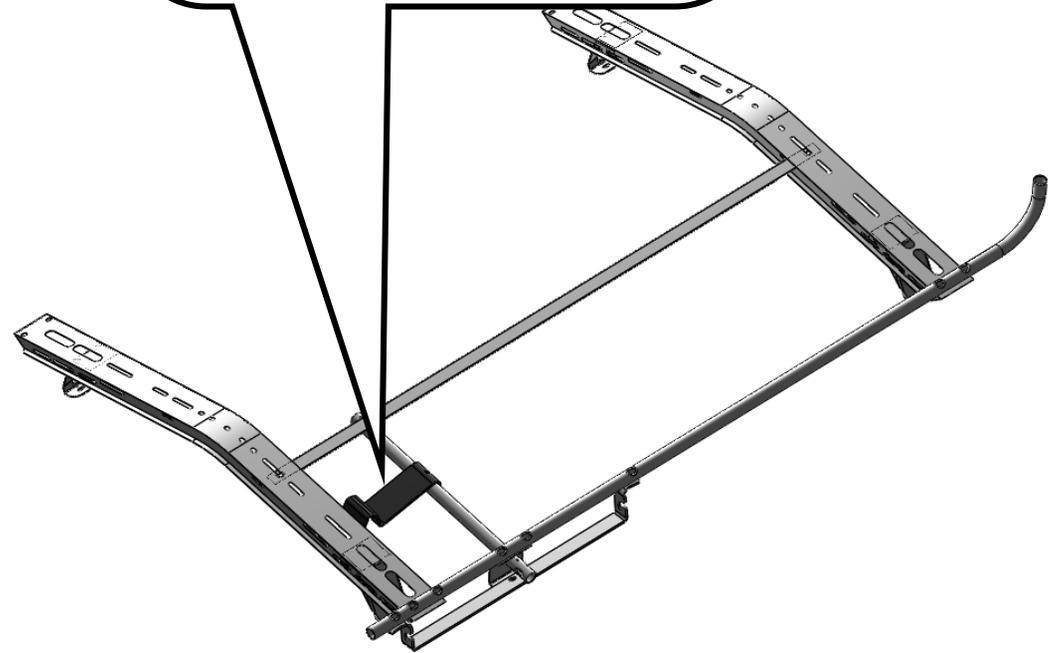
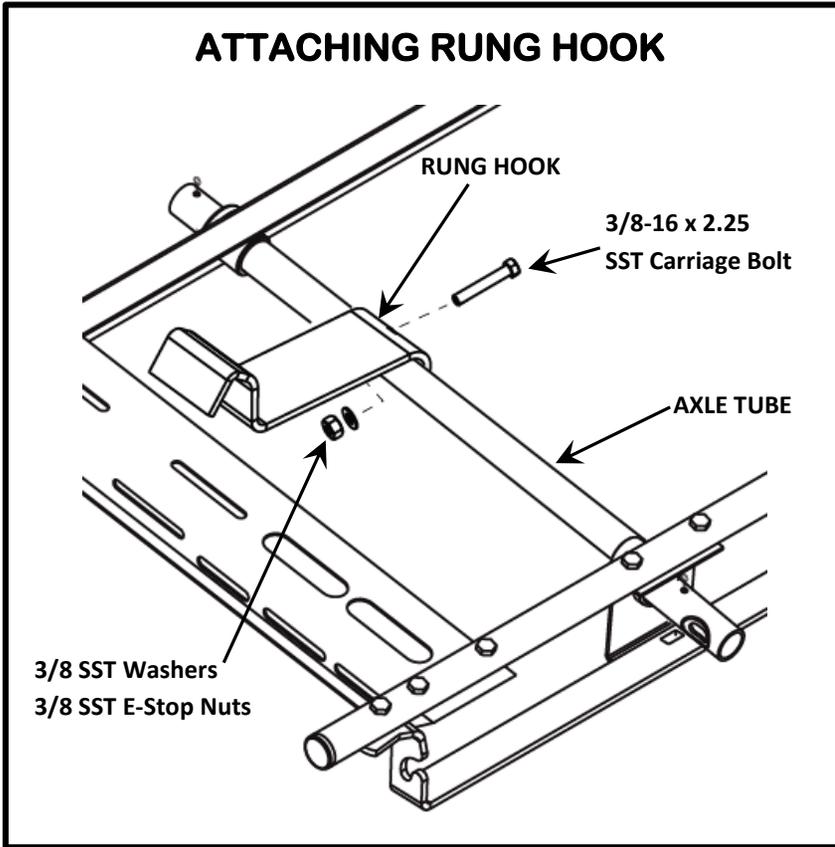


**TORQUE SETTING:**  
Size - 5/16 = 12-17 Ft.-Lbs.  
Size - 3/8 = 22-30 Ft.-Lbs.





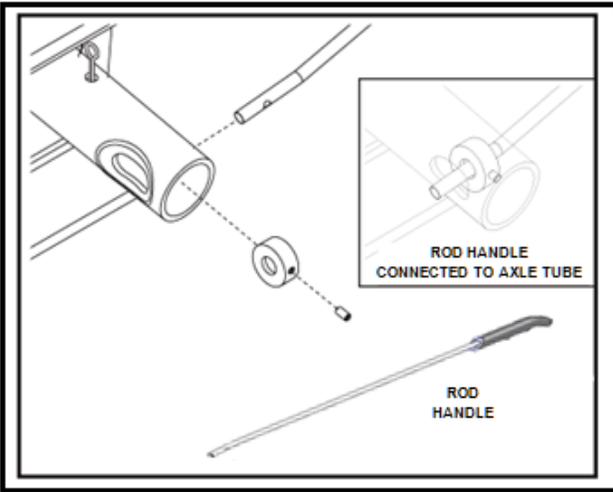
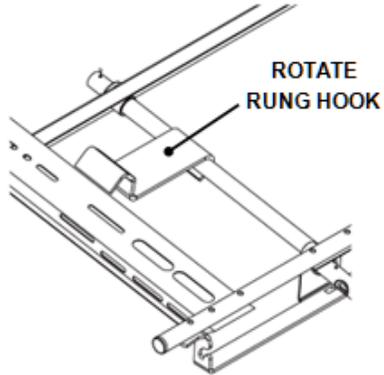
**ATTACHING RUNG HOOK**



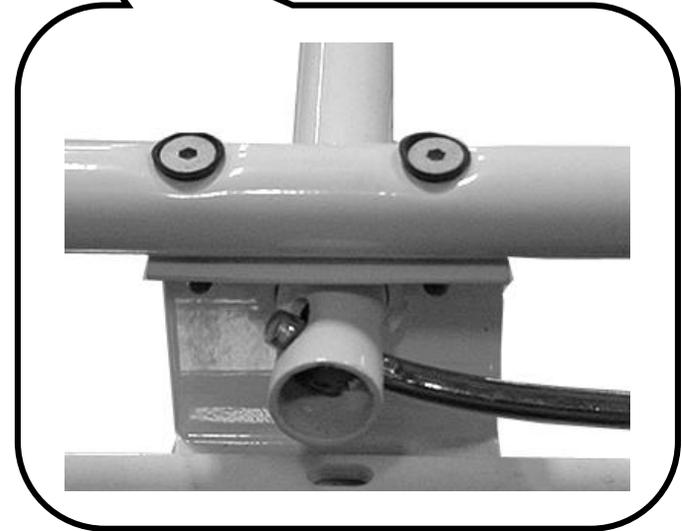
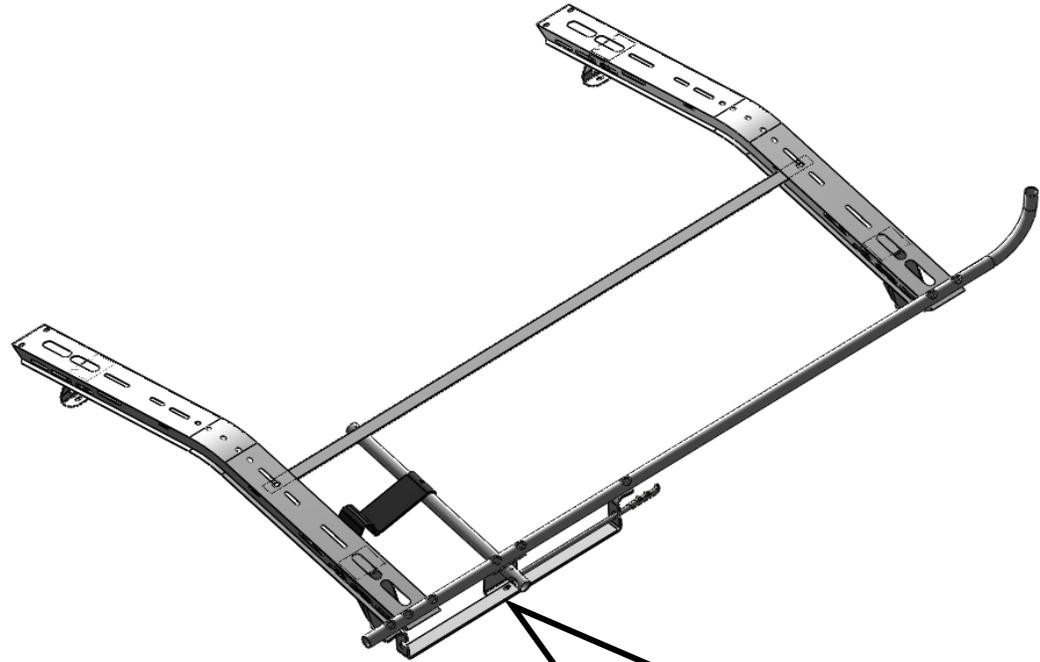
**TORQUE SETTING:**  
Size - 3/8 = 22-30 Ft.-Lbs.



**ATTACHING ROD HANDLE**

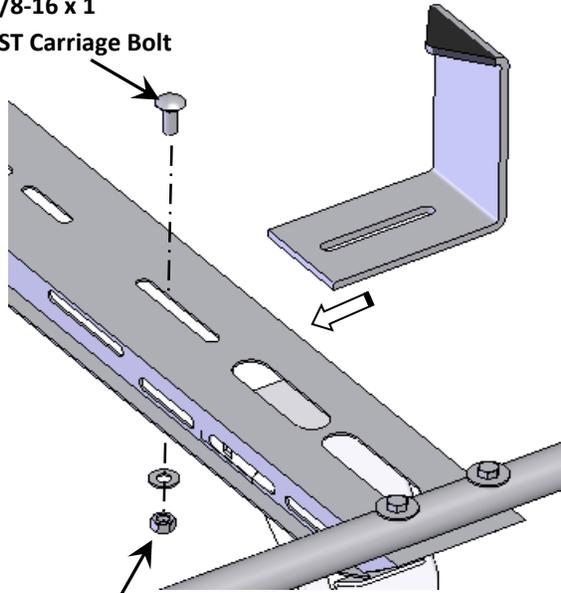


Rotate the RUNG HOOK until it rests on the rear crossbow as shown. Insert (2) 3/8 SPACER into Axle Tube and orient so that the hole in the Spacer is facing outward. Once the RUNG HOOK is positioned properly, insert the ROD HANDLE through the Axle Tube and the Spacer so that it seats in the predrilled area in the Rod Handle. The Rod Handle should now lock into the forward lock position on the Handle Lock.



**ATTACHING FRONT STOP**

3/8-16 x 1  
SST Carriage Bolt

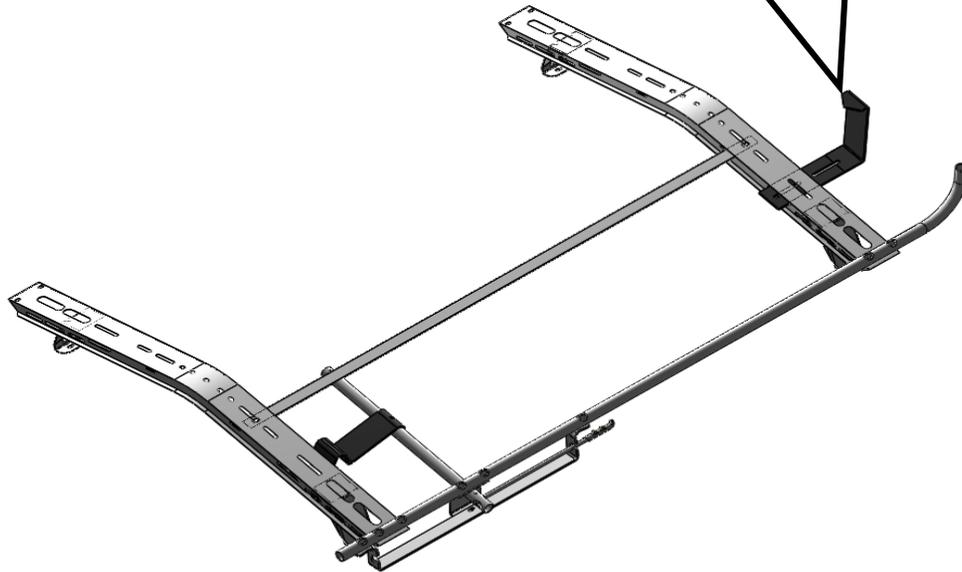
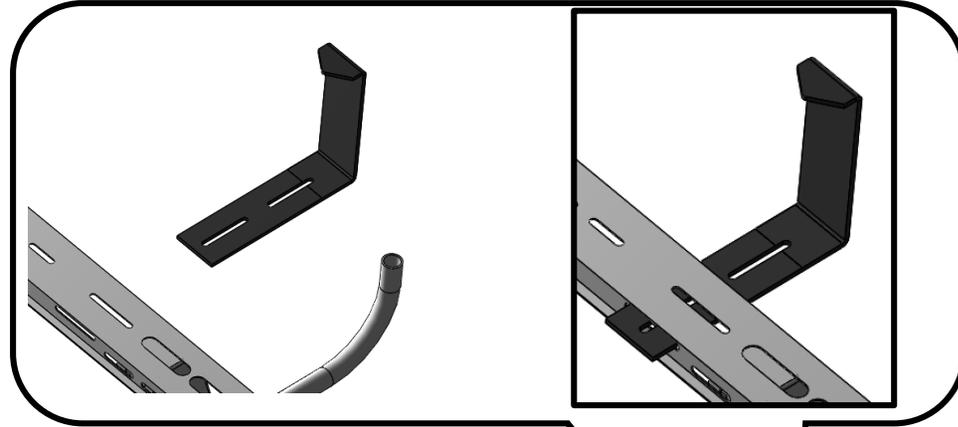


3/8 SST Washers  
3/8 SST E-Stop Nuts

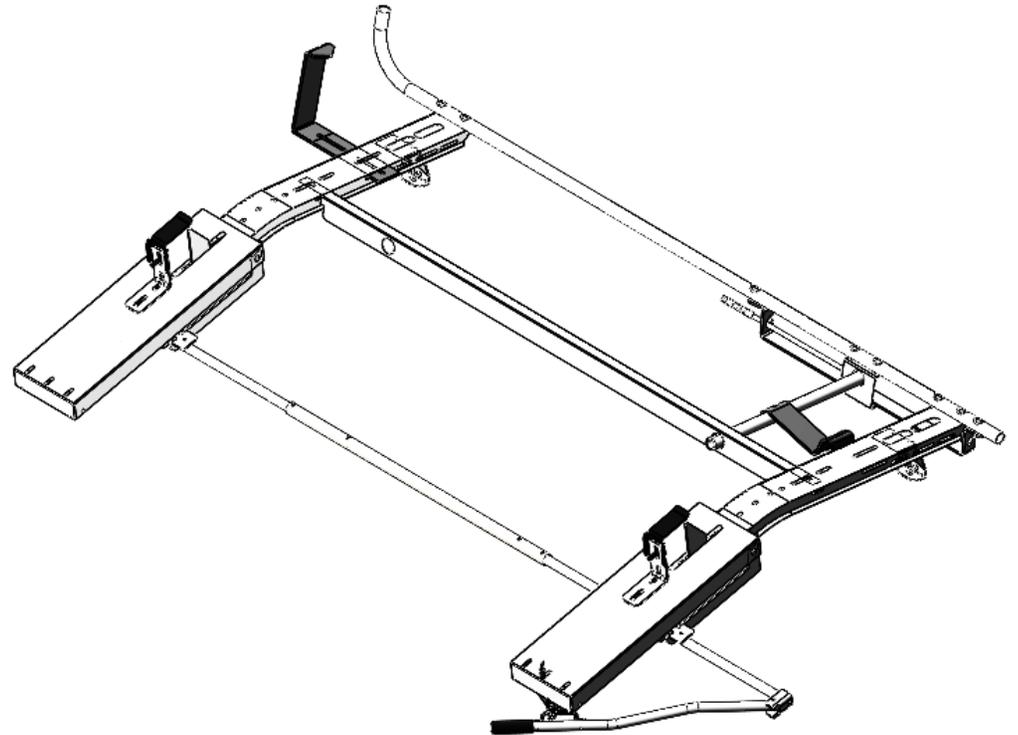
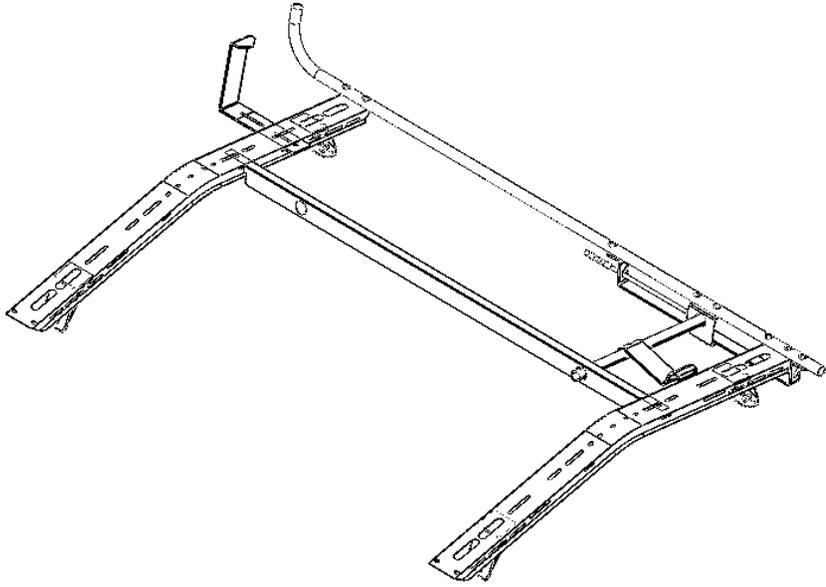
**TORQUE SETTING:**  
Size - 3/8 = 22-30 Ft.-Lbs.

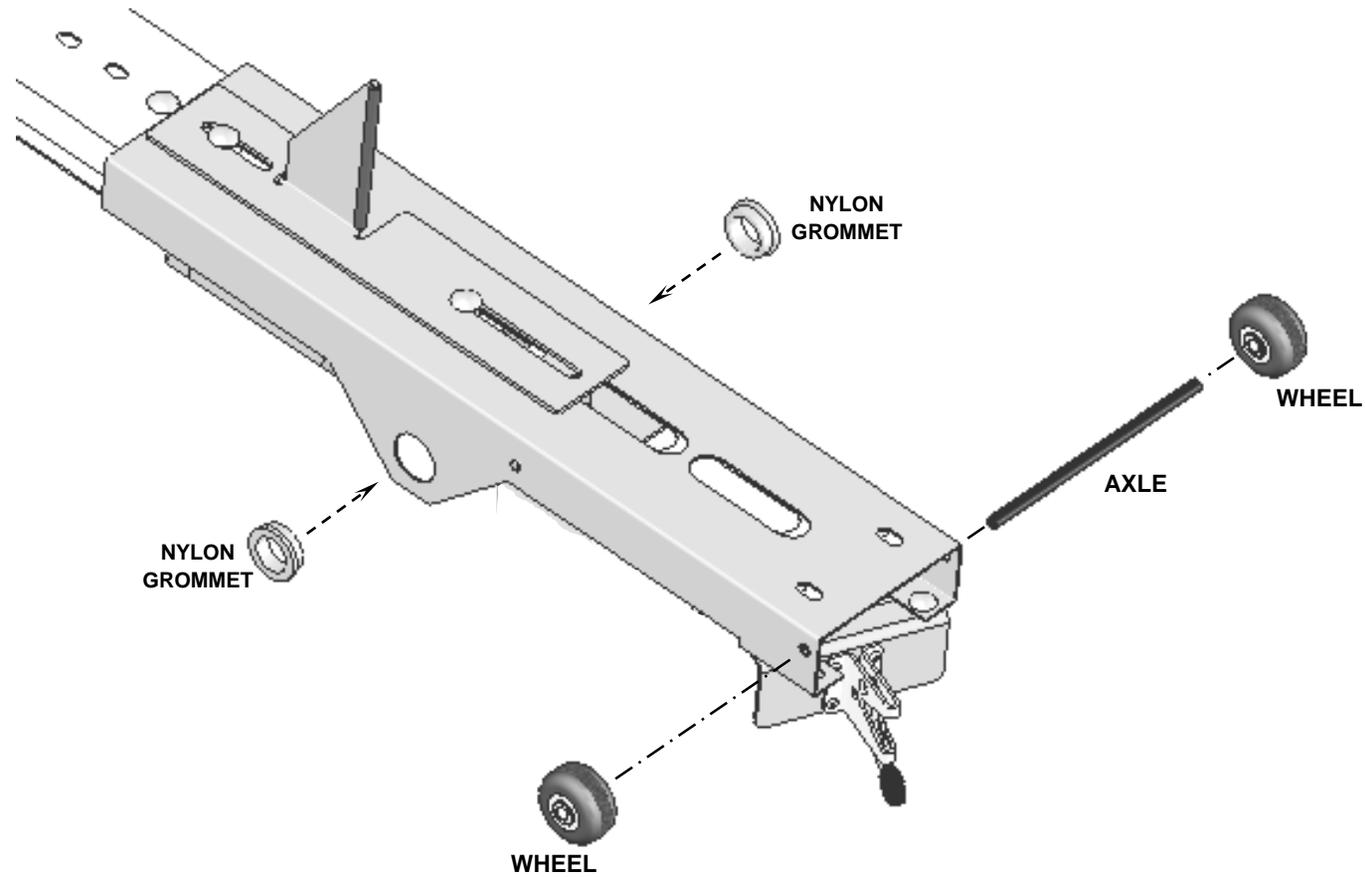
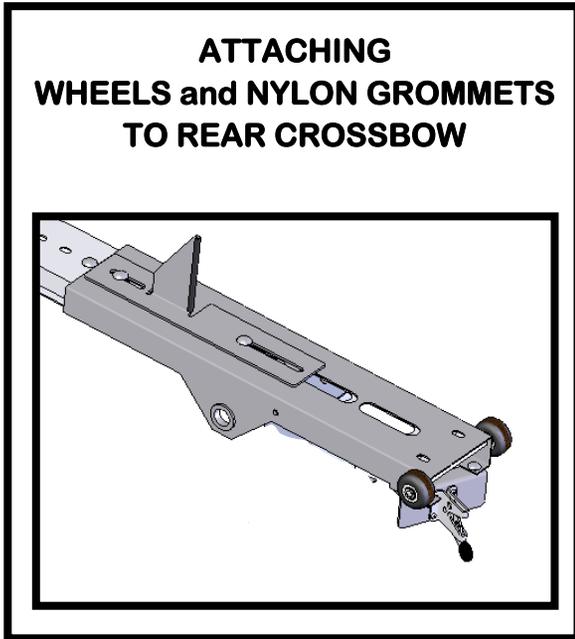
Insert the FRONT STOP through the slot in the Front Crossbow, and align so that the vertical section of the Front Stop touches the Crossbow. Secure with  
**NOTE: WILL REQUIRE FURTHER ADJUSTMENT FOR PROPER OPERATION.**

**APPLY ANTI-SEIZE  
TO ALL THREADS**



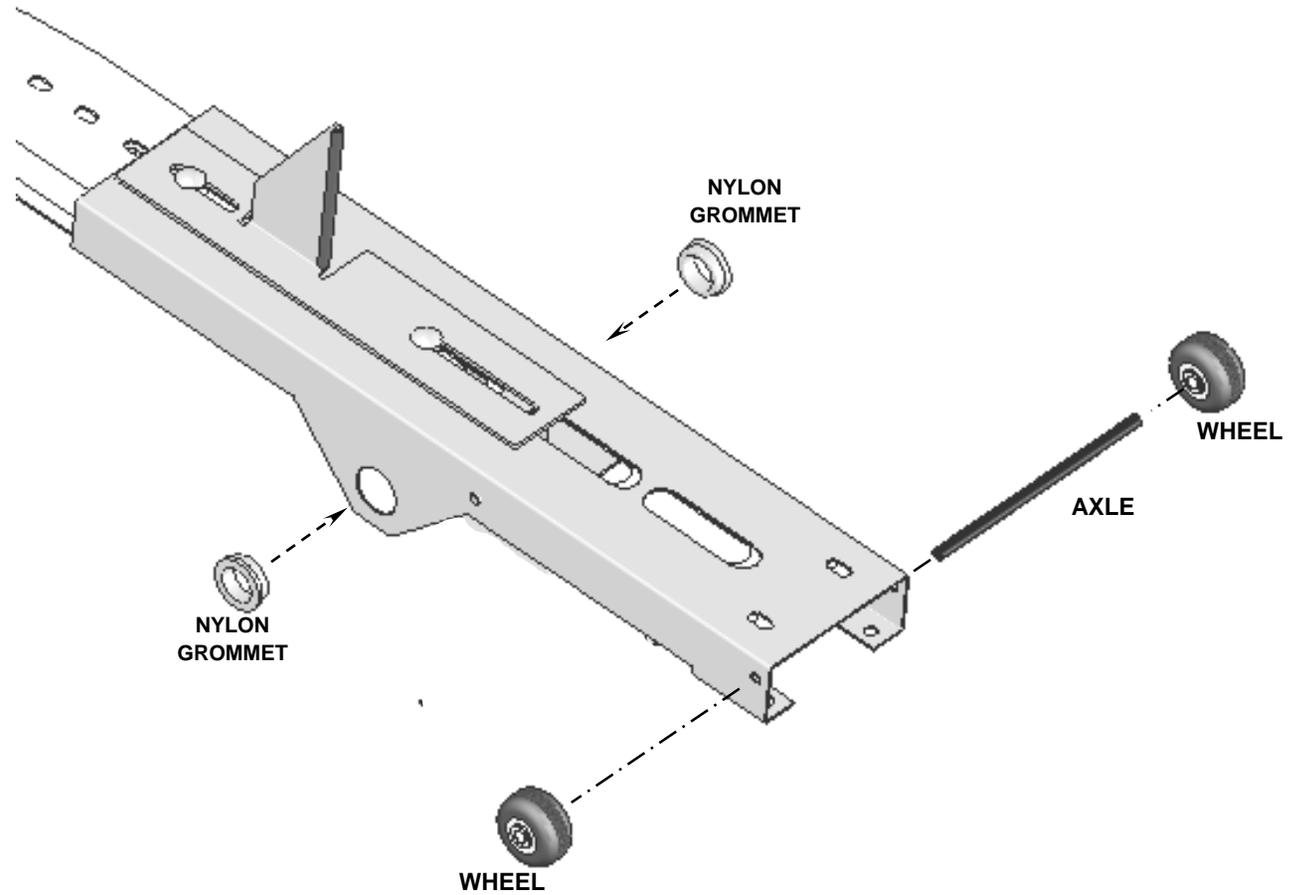
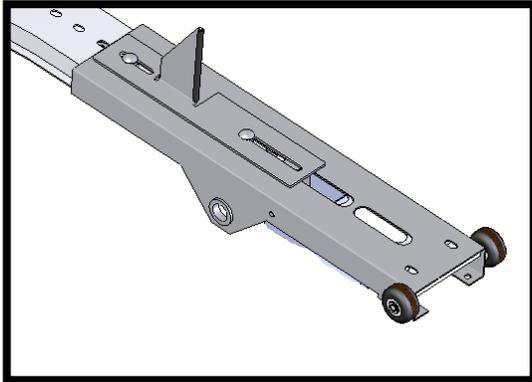
## ATTACHING SLIDE-DOWN COMPONENTS



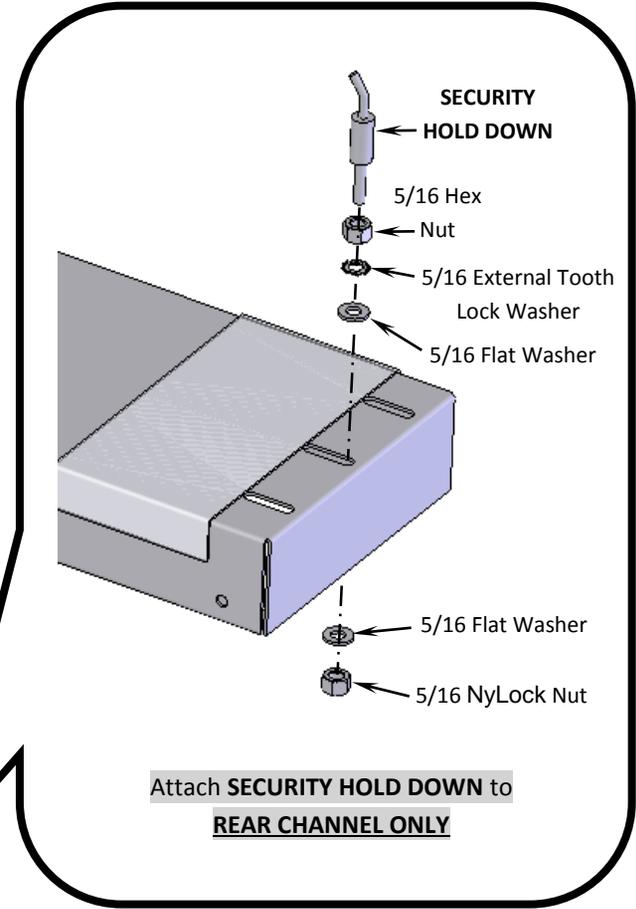
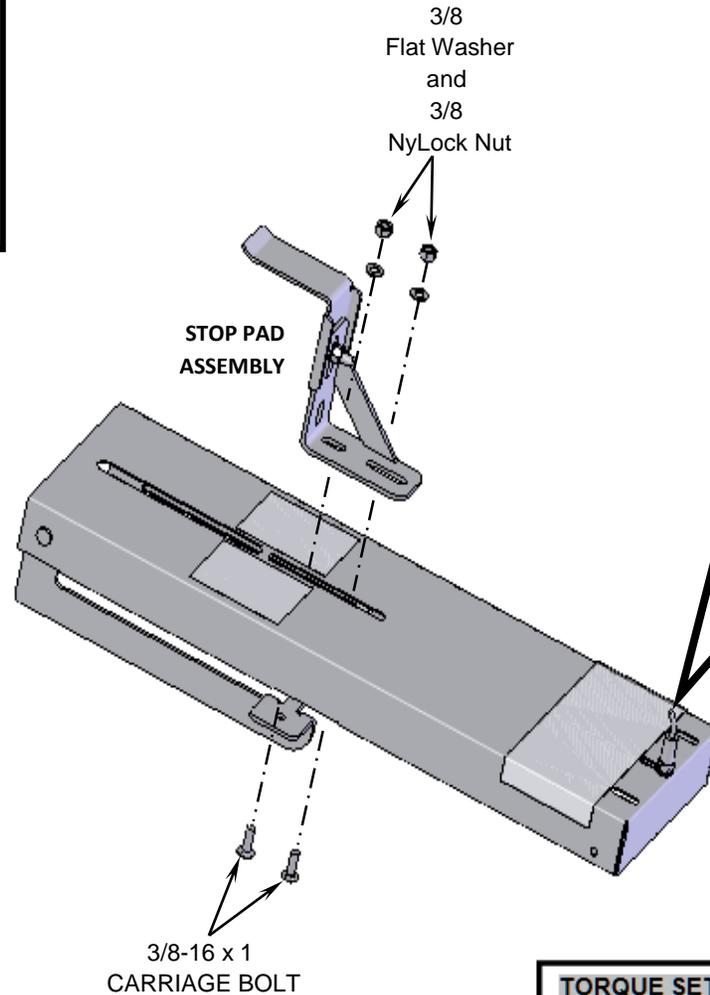


## ATTACHING SLIDE-DOWN COMPONENTS

### ATTACHING WHEELS and NYLON GROMMETS TO FRONT CROSSBOW



**ATTACHING  
STOP PADS  
And  
SECURITY  
HOLD DOWN**



**TORQUE SETTING:**  
Size - 5/16 = 12-17 Ft.-Lbs.  
Size - 3/8 = 22-30 Ft.-Lbs.



# MOUNTING CHANNEL SUPPORTS



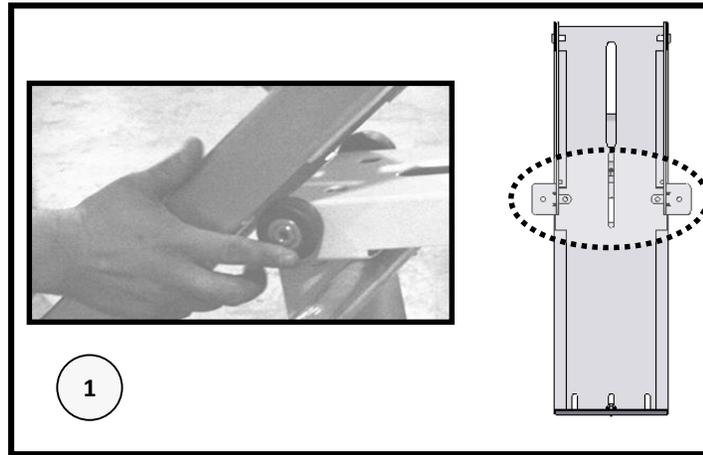
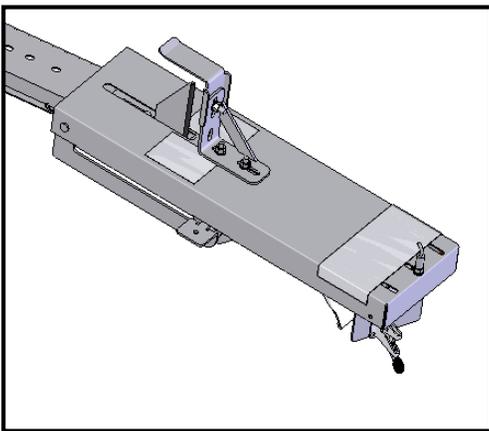
**NOTE**

At the notches in the underside of the Channel, lift Channel over Wheels and slide backward

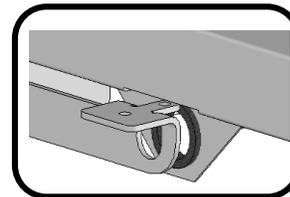
1

Slide assembled Channel Supports over wheels on Front and Rear Crossbows and rest with Stop Bracket through slot as shown.

2

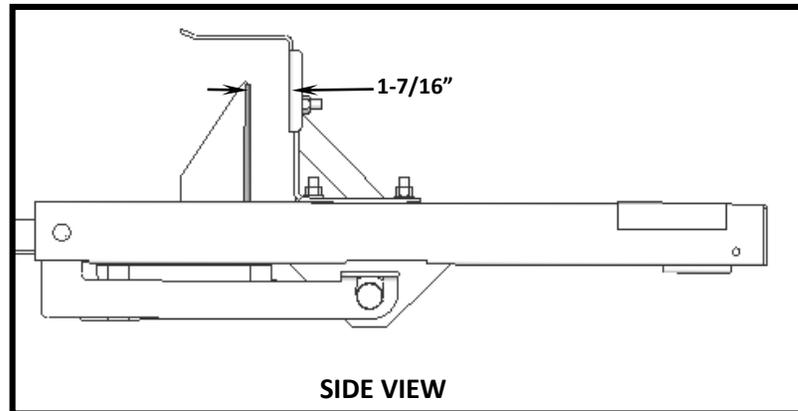
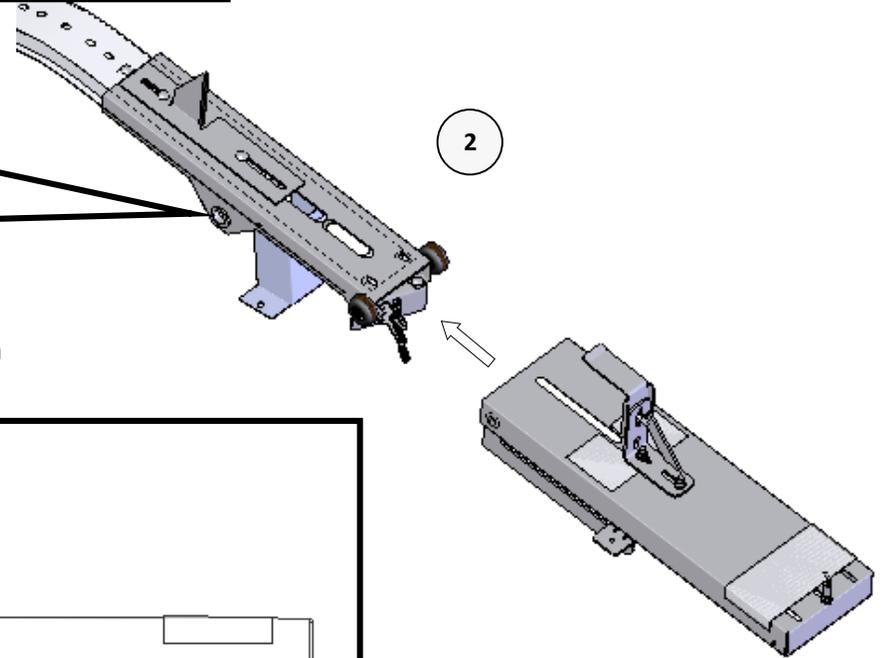


1



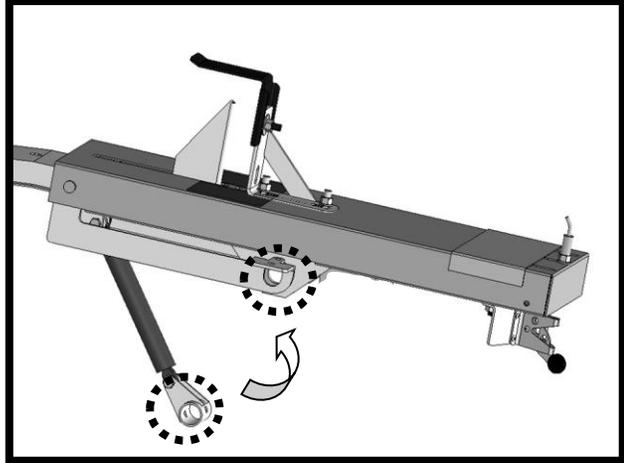
Align small tab on arm inside Grommets

2



SIDE VIEW

# ATTACHING SLIDE-DOWN COMPONENTS



**VERY IMPORTANT BEFORE INSERTING TUBE HANDLE MAKE SURE TOP OF YOKE IS FACING UP As Shown Below**

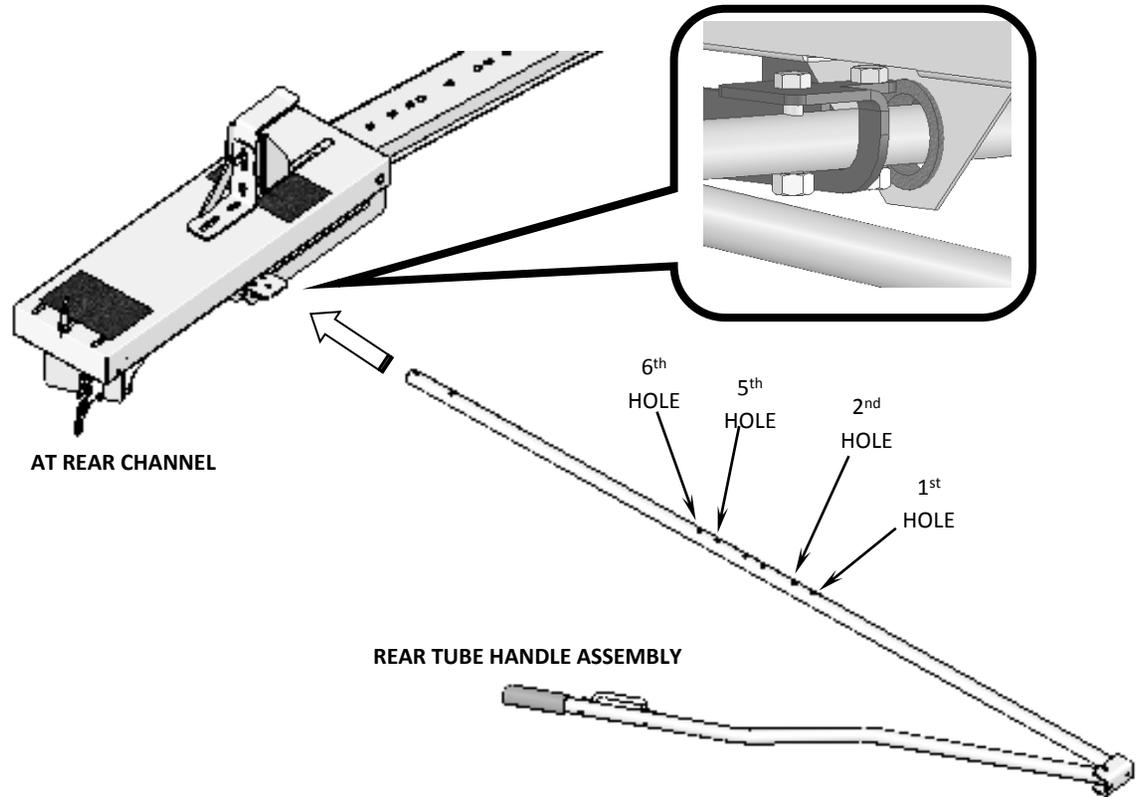
**BOTTOM of YOKE**

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**TOP OF YOKE MUST FACING UP FOR PROPER YOKE and CYLINDER ALIGNMENT**

**(SEE PAGE 12)**

**TOP of YOKE**



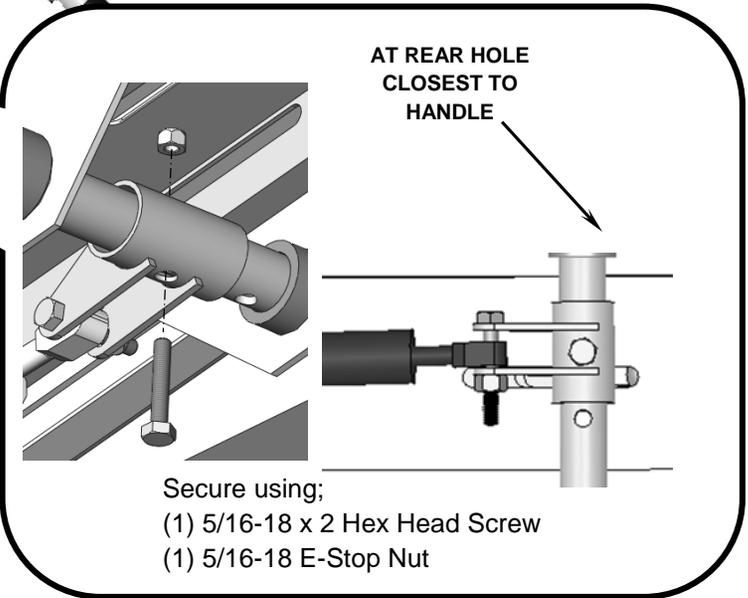
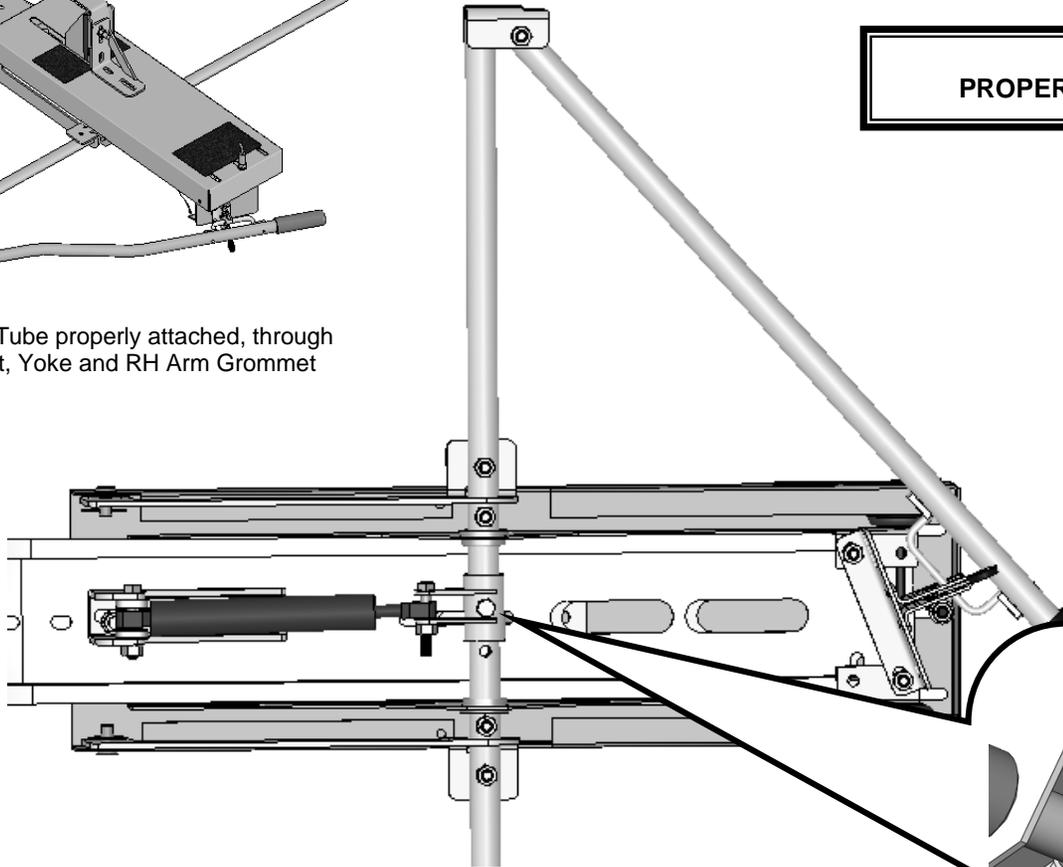
Slide **REAR TUBE HANDLE ASSEMBLY** through LH and RH Arm Grommets. At the hole locations shown, secure with (4) 5/16-18 x 1.5 Hex Head Screws and (4) 5/16-18 NyLock Nuts.

**TORQUE SETTING:**  
Size – 5/16 = 12-17 Ft.-Lbs.

## ATTACHING SLIDE-DOWN COMPONENTS

SEE NEXT PAGE FOR  
PROPER YOKE and CYLINDER ALIGNMENT

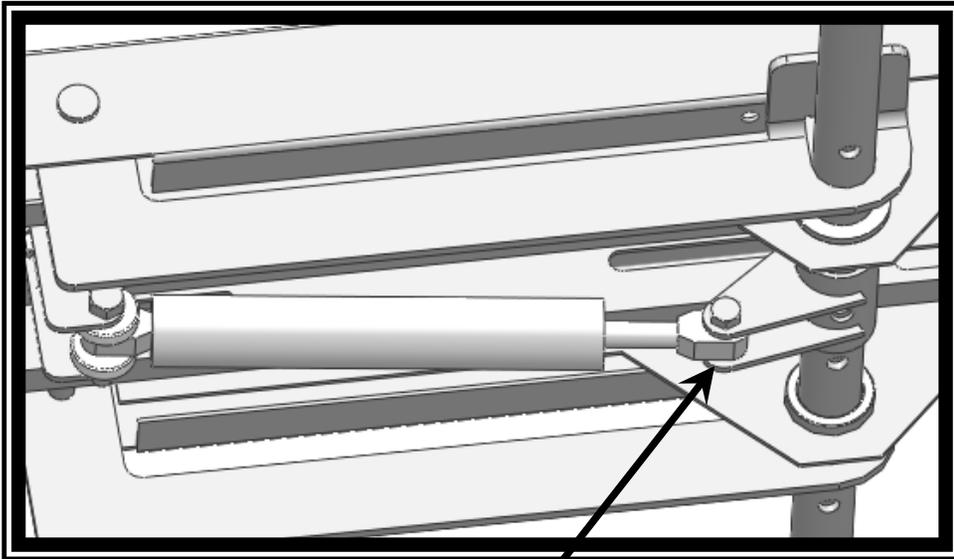
With Rear Handle Tube properly attached, through  
LH Arm Grommet, Yoke and RH Arm Grommet



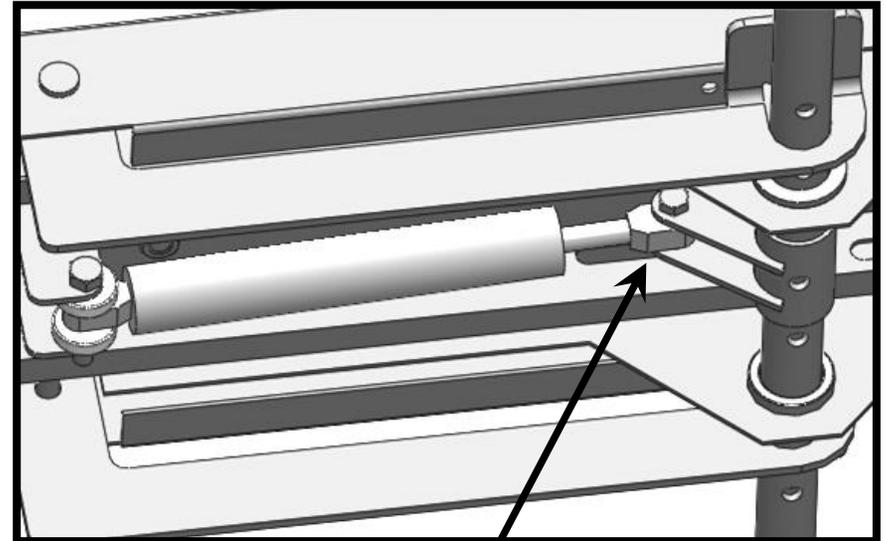
**TORQUE SETTING:**  
Size - 5/16 = 12-17 Ft.-Lbs.



**INCORRECT ALIGNMENT**  
**WILL DAMAGE THE DAMPER**



**CORRECT** YOKE and DAMPER ALIGNMENT

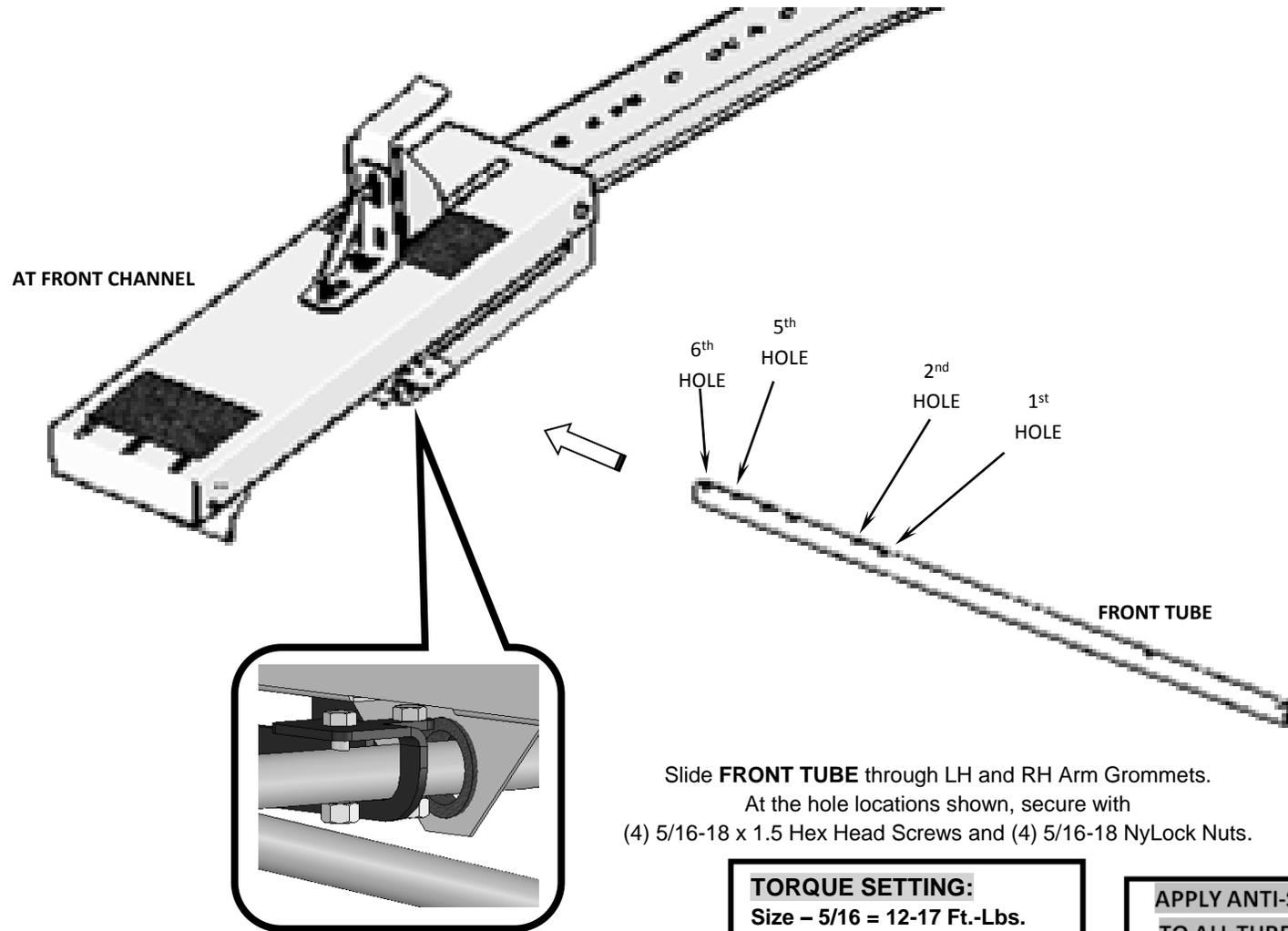


**INCORRECT** YOKE and DAMPER ALIGNMENT

**NOTE: IN THIS EXAMPLE THE  
YOKE IS ATTACHED UPSIDE DOWN**

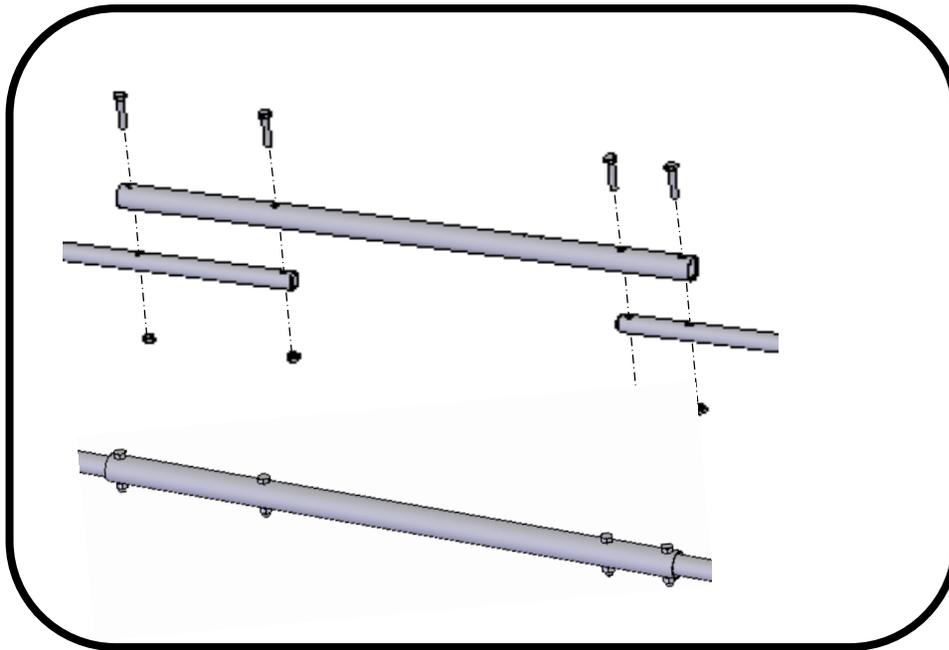
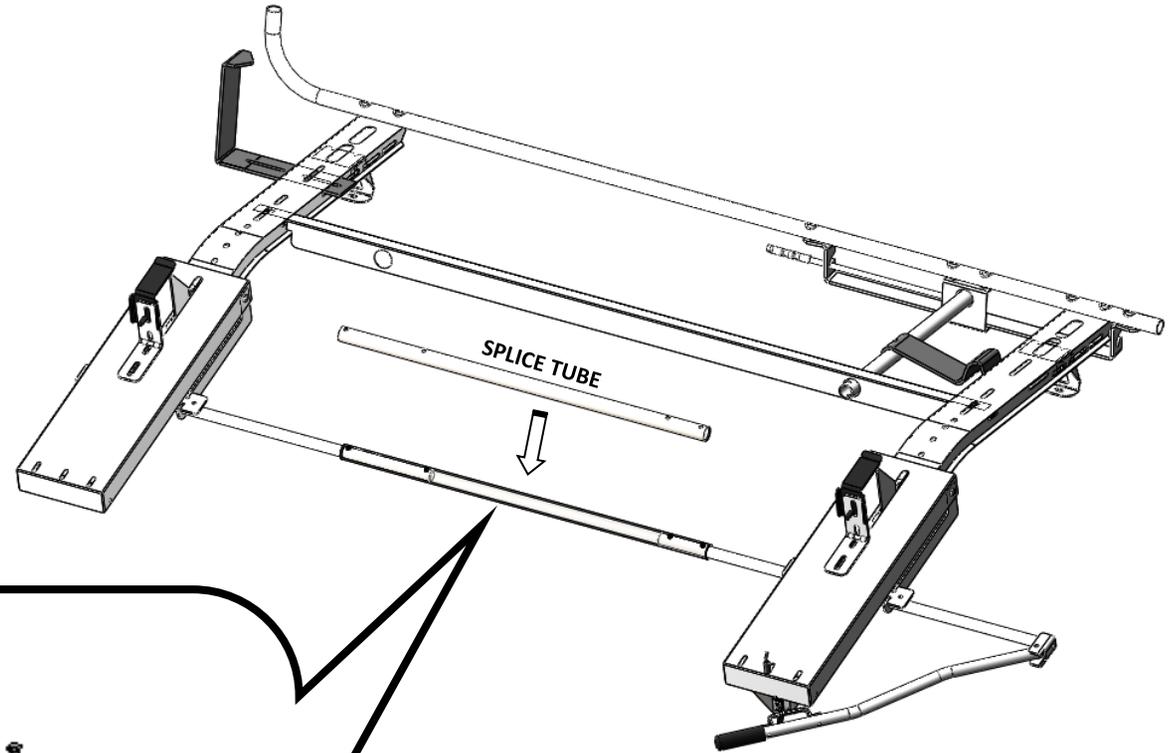


## ATTACHING SLIDE-DOWN COMPONENTS



**TORQUE SETTING:**  
Size - 5/16 = 12-17 Ft.-Lbs.



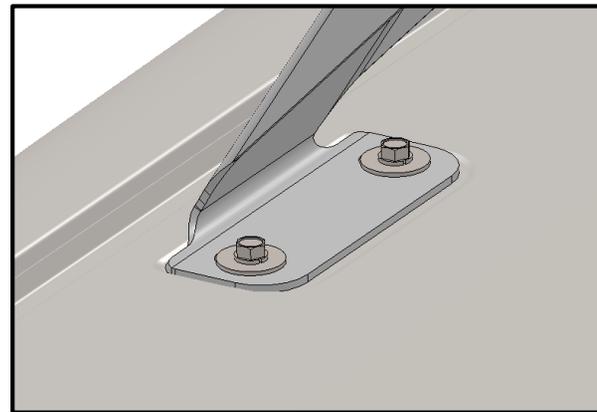
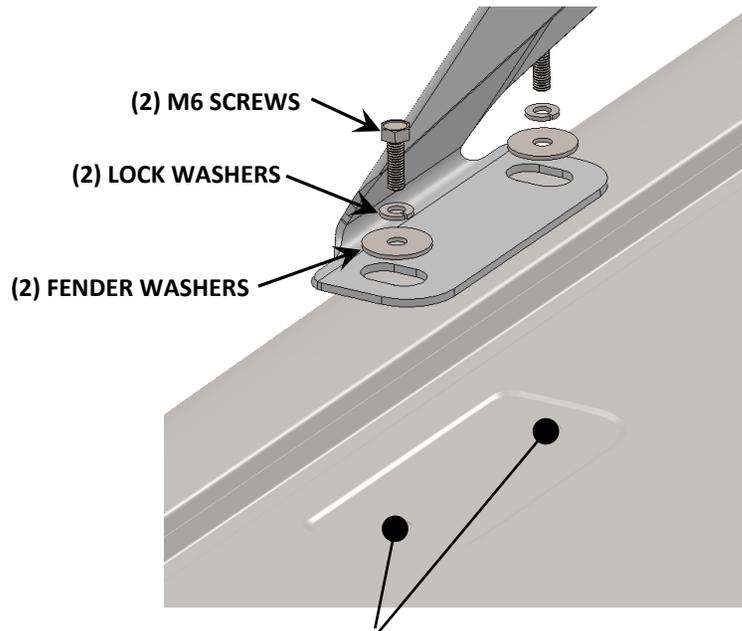
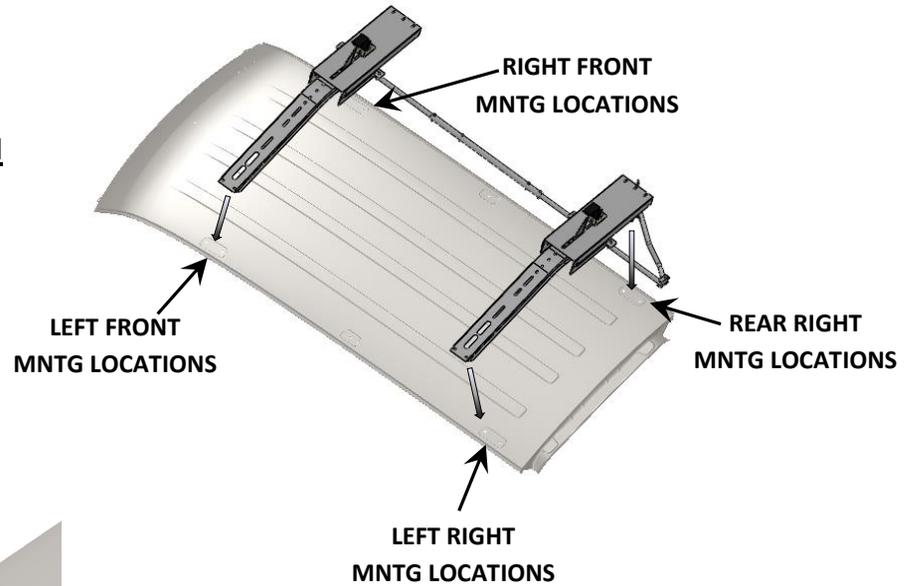


Attach **SPICE TUBE** by sliding **SPICE TUBE** over **REAR TUBE**, then the **FRONT TUBE** and aligning holes as shown, and securing with (4) 5/16-18 x 1.75 Hex Head Screws and (4) 5/16-18 NyLock Nuts.

**TORQUE SETTING:**  
Size – 5/16 = 12-17 Ft.-Lbs.

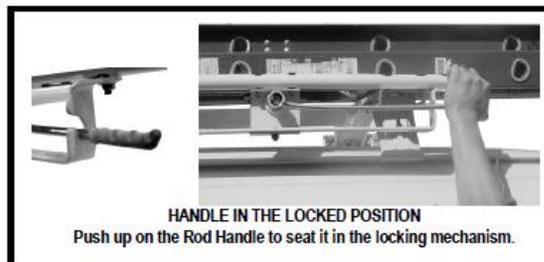
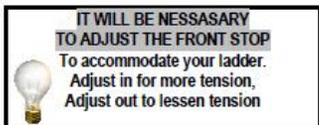
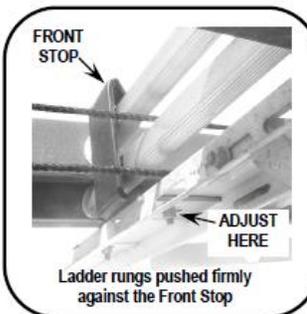
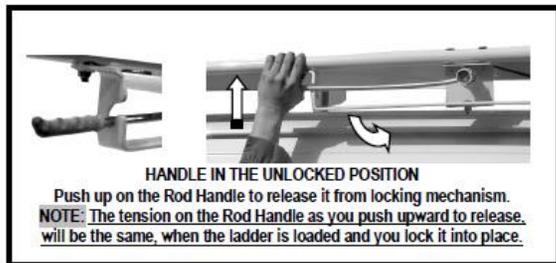


**REMOVE ROOF PLUGS @ LOCATIONS SHOWN**

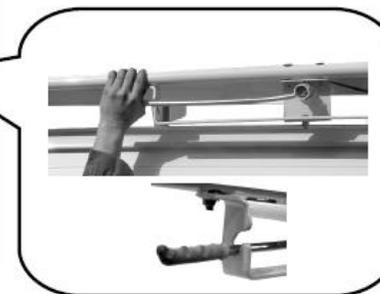
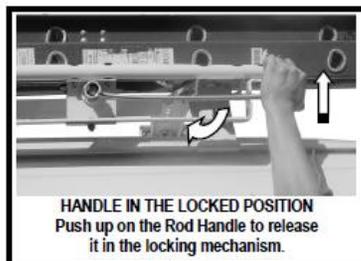


**@ EACH MOUNTING LOCATION SECURE USING:**

## LOADING



## UNLOADING



## 3 Year / 36,000 Mile Limited Warranty

MASTERACK® commercial van and pickup equipment is warranted to be free from defects in material and workmanship, under normal use and service for a period of one (1) year from date of purchase. Factory installations, and products installed in new vehicles by an authorized MASTERACK® installer are warranted for **(3) years or 36,000 miles (60,000 KM)**, whichever comes first. **This warranty covers only repairs, or at MASTERACKS' discretion, replacement to correct any defects related to materials and workmanship.**

### This warranty does not apply to:

- Additions, alterations, or installations made by persons including dealers, other than MASTERACK® and its authorized distributors, made in accordance with MASTERACK® specifications and / or instructions, nor to defects arising out of attribute to such additions, alterations or installations.
- Defects attributable to abuse or misuse of the product, misapplication, negligent accident, modification or tampering.
- Damage resulting from failure to promptly notify and comply with the instructions of the dealer or manufacturer about defects when noted.
- Any incidental or consequential damages connected with a defect, either while under warranty or afterward, including the cost of a rental truck and / or loss of revenue.

**THE WARRANTY IS THE ONLY WARRANTY APPLICABLE TO A MASTERACK PRODUCT PURCHASE. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. MASTERACK® AND ITS SUBSIDIARIES, SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY BREACH OF THIS WARRANTY, NOR SHALL THE DAMAGES EXCEED THE RETURN AMOUNT OF THE PURCHASE PRICE PAID BY THE ORIGINAL PURCHASER.**

Warranty claims must be submitted to either your sales representative or a customer service representative at **1-800-222-8785**. The vehicle must be delivered to the original MASTERACK® authorized dealer for inspection and any warranty service. Any warranty service to be performed by a source other than MASTERACK® location or an approved MASTERACK® distributor must be authorized in advance of the repairs by the MASTERACK® Warranty Administrator and a purchase order issued by MASTERACK® in advance of repairs for the authorized repairs.