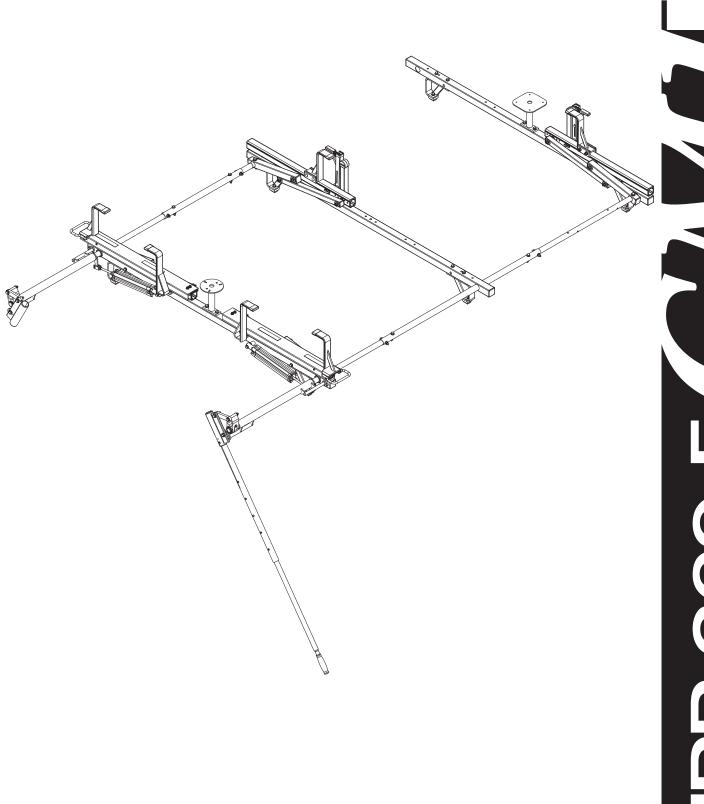
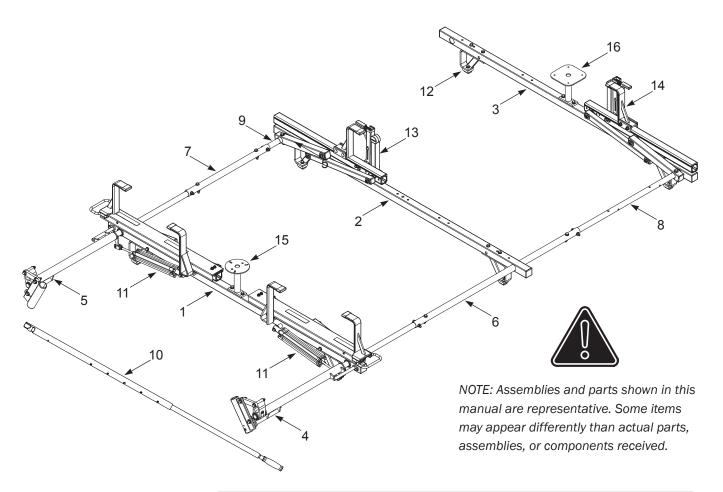
# PRIME DESIGN

A Safe Fleet Brand

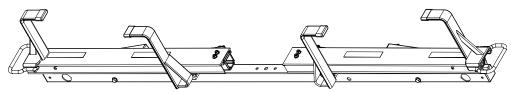




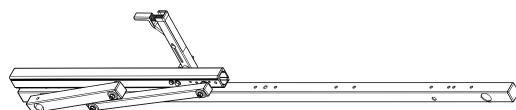
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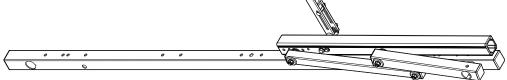
1—Rear Slide Rotation Assembly ...... (Qty 1) Left/Right Hand



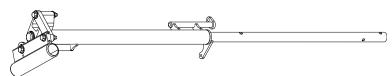
2—Center Rotation Assembly ......(Qty 1) Left Hand



3—Front Rotation Assembly ......(Qty 1) Right Hand

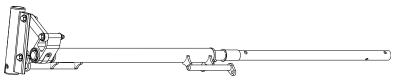


4—Drive Shaft ......(Qty 1) Left Hand, Rear Assembly



5-Drive Shaft ......(Qty 1)

Right Hand, Rear Assembly



6-Connecting Bar ......(Qty 1) 4.00'



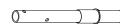
7—Connecting Bar ......(Qty 1) 2.00'

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8—Front Rotation Drive Shaft	(Qty 1)
35.75"	



9—Front Rotation Drive Shaft ...... (Qty 1) 11.75"



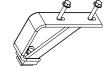
10-Removable Drive Shaft Handle ......(Qty 1)



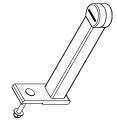
11—Cylinder Assembly ......(Qty 2)



12-Mounting Bracket ......(Qty 6)



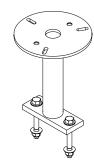
13—AutoClamp L Post ......(Qty 2)



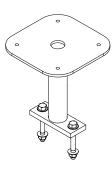
14—Upper Rotation Z Post ......(Qty 2)



15—Accessory Strobe Light Holder ...... (Qty 7) Mounting Plate, 5".00



16—Accessory Strobe Light Holder ...... (Qty 1) Mounting Plate, 6.00"



HKT-8140 (Qty 2)

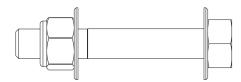
9.1—Bushing Assembly Lubricant ......(Qty 1)



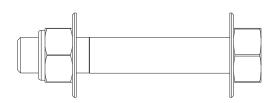
9.2-M8 x 110mm Bolt Assy .....(Qty 1)



9.4-5/16 x 2.00" Bolt Assy ......(Qty 4)



9.6—3/8 x 2.25" Bolt Assy ......(Qty 2)



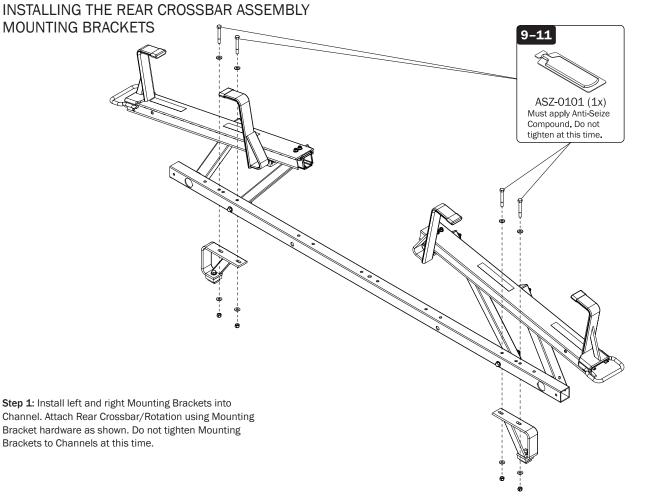
	HKT-8140 Cont. (Qty 2)
9.7-1/4 x 1.00" Clevis Pin(Qty 1)	
9.8–3/32 x .75.00" Cotter Pin(Qty 1)	
9.11-Anti-Seize(Qty 1)	
HKT-8106 (Qty 2)	
10.1—Drive Arm Bushing(Qty 2)	
10.2—Drive Shaft Large Bushing(Qty 2) Celcon	
10.3—Drive Shaft Sealing Decals(Qty 16)	

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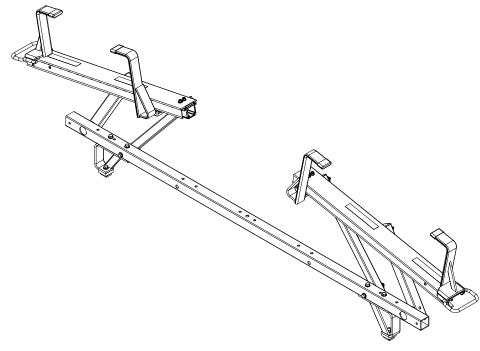
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Packed By:	Date:		
Inspected By:	Date:	/	

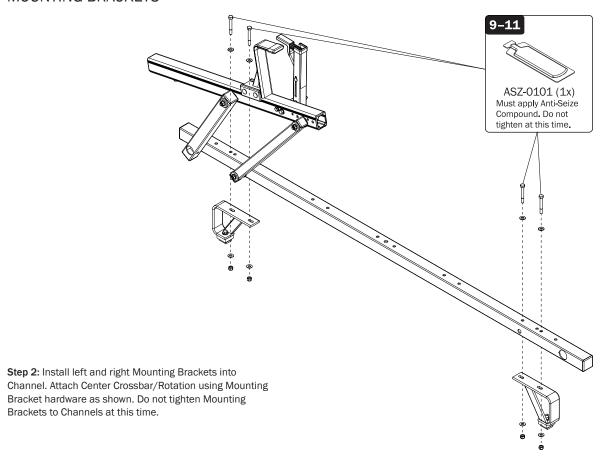
### STEP 1:



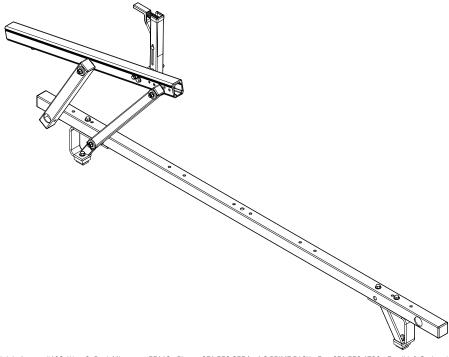
# STEP 1: REAR CROSSBAR ASSEMBLY TO MOUNTING BRACKET INSTALLATION RESULTS



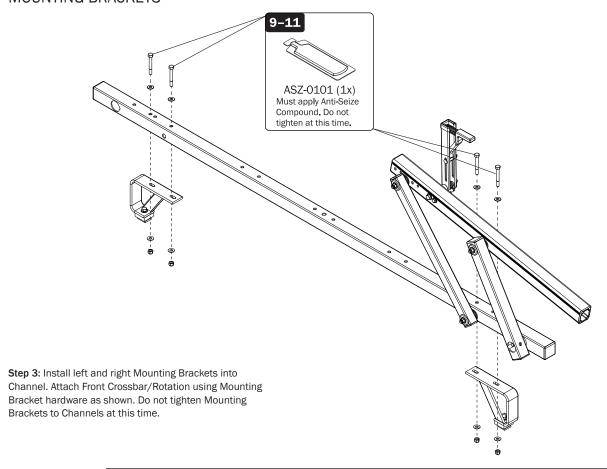
STEP 2: INSTALLING THE CENTER CROSSBAR ASSEMBLY MOUNTING BRACKETS



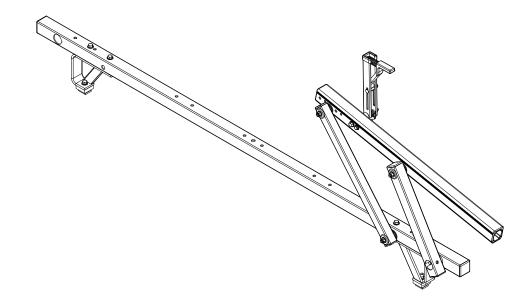
# STEP 2: CENTER CROSSBAR ASSEMBLY TO MOUNTING BRACKET INSTALLATION RESULTS



**STEP 3:** INSTALLING THE FRONT CROSSBAR ASSEMBLY MOUNTING BRACKETS



STEP 3:
REAR CROSSBAR ASSEMBLY TO MOUNTING BRACKET INSTALLATION RESULTS



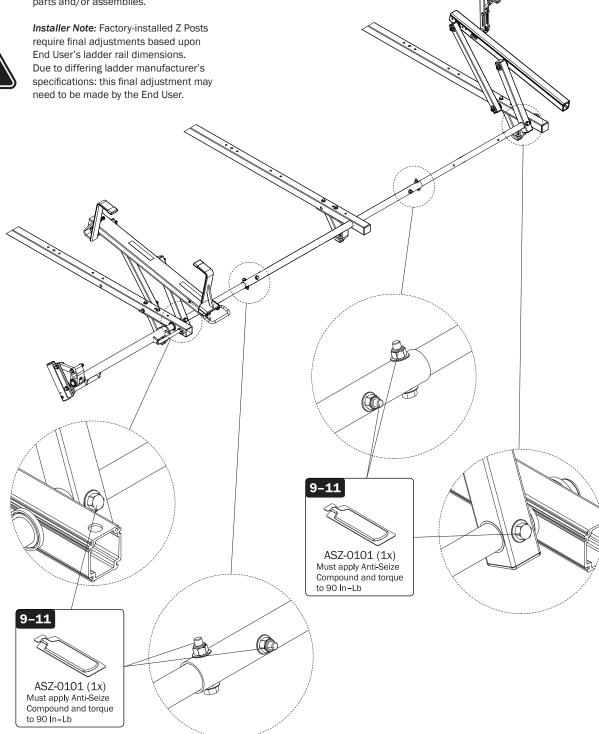
### RIGHT HAND ROTATION OVERVIEW

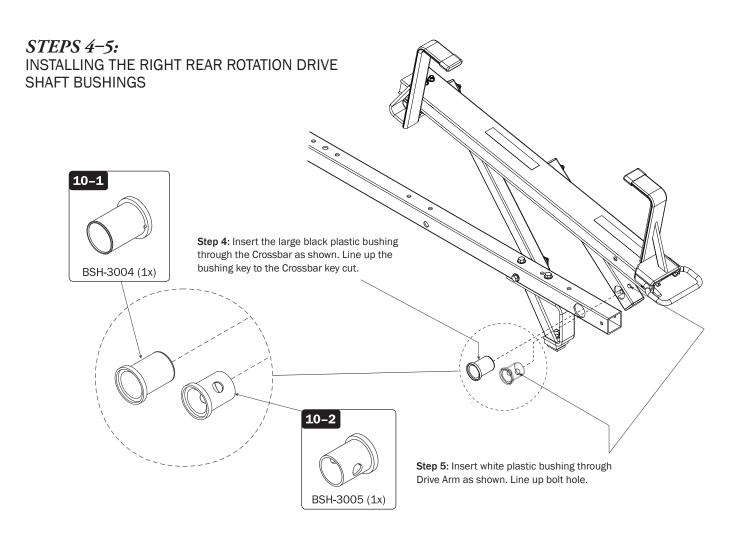


Attention Installer! All Rotation Assembly Bolts must face inward to rack assembly with bolt heads facing outside the Rotations. Front Rotation Bolts face rearward, while Rear Rotation Bolts face forward.

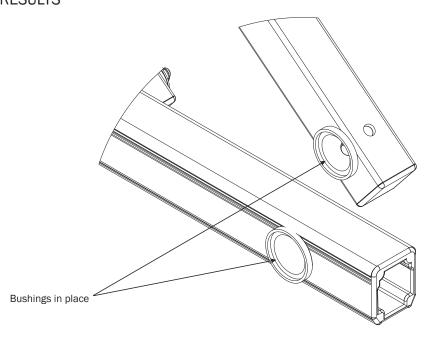
Failure to install fasteners as directed may result in potential interference damage to parts and/or assemblies.

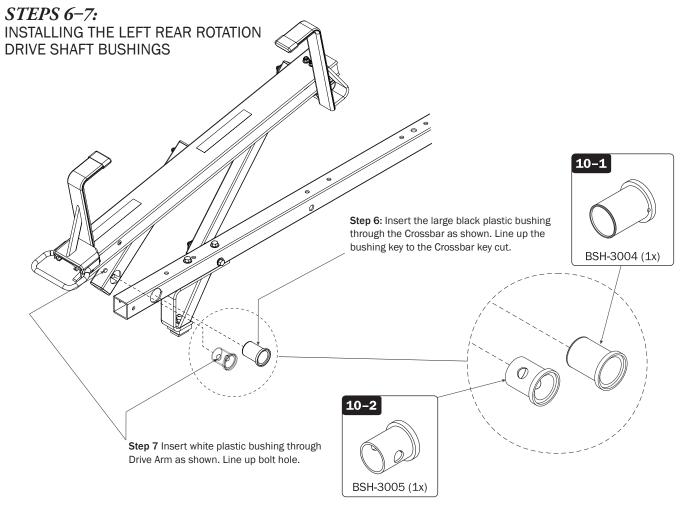




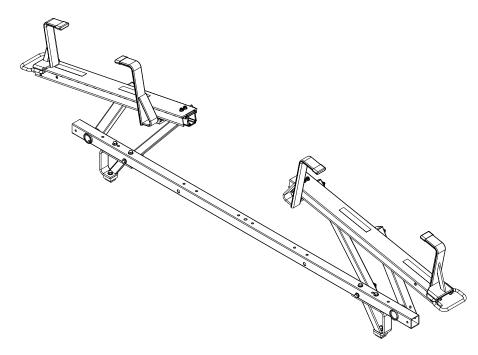


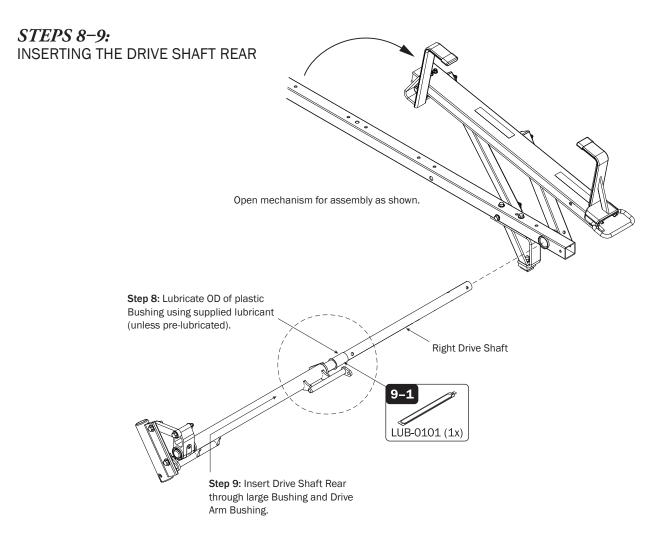
STEPS 4-5:
RIGHT REAR ROTATION DRIVE SHAFT BUSHING INSTALLATION RESULTS



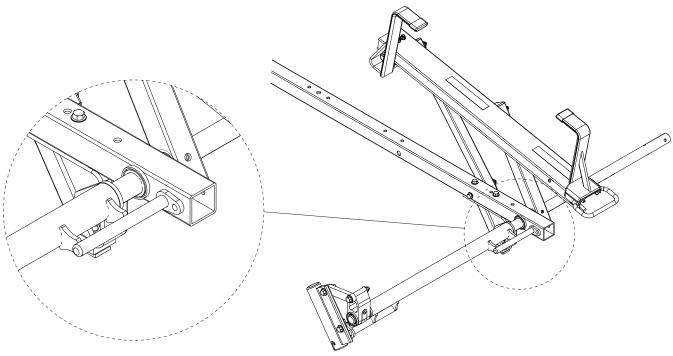


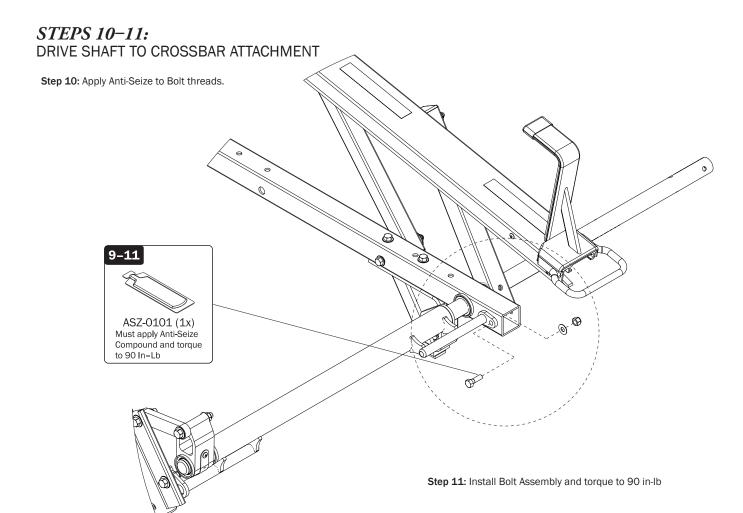
STEPS 6-7:
REAR ROTATION DRIVE SHAFT BUSHING INSTALLATION RESULTS

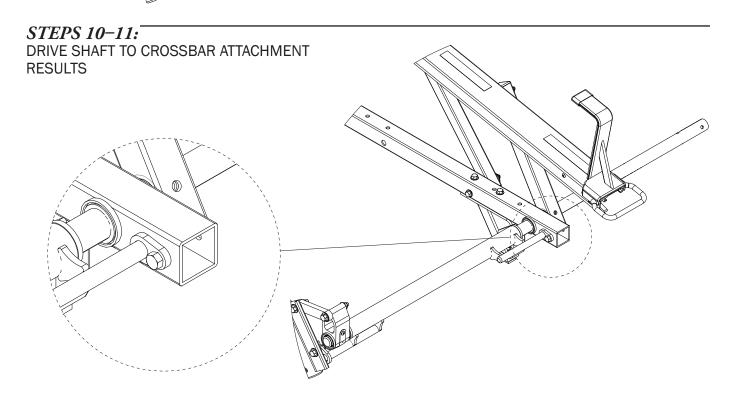




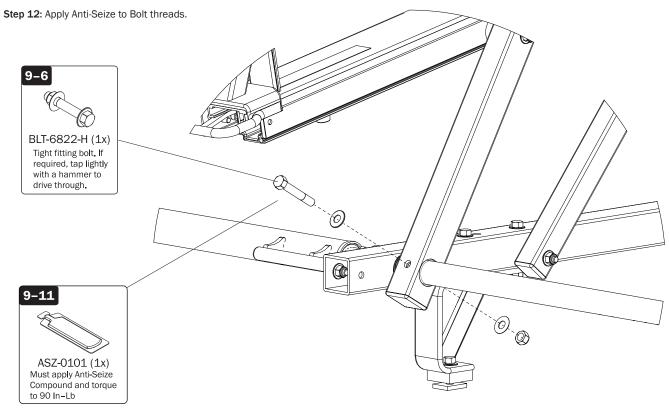
# STEPS 8-9: DRIVE SHAFT INSERTION RESULTS





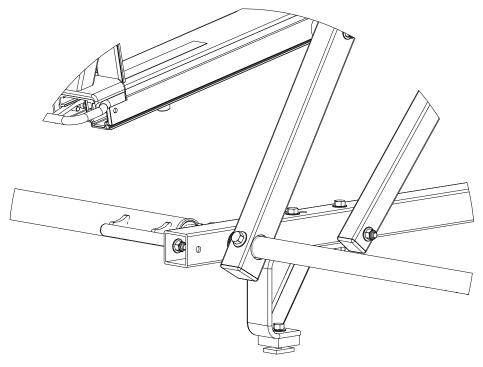


# STEPS 12-13: INSTALLING THE DRIVE SHAFT TO DRIVE ARM BOLT ASSEMBLY

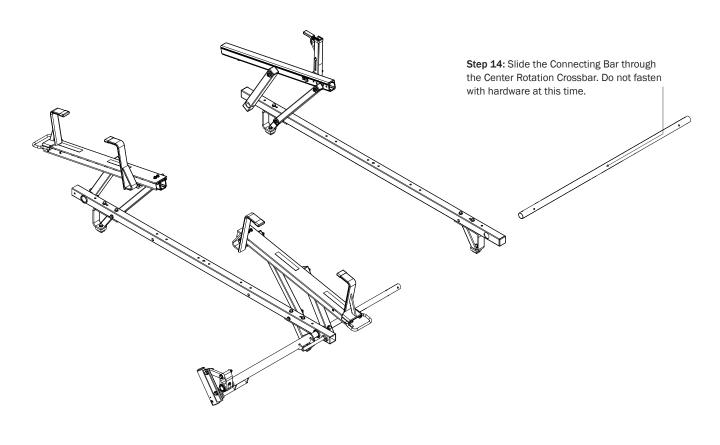


Step 13: Install Bolt Assembly and torque to 90 in-lb

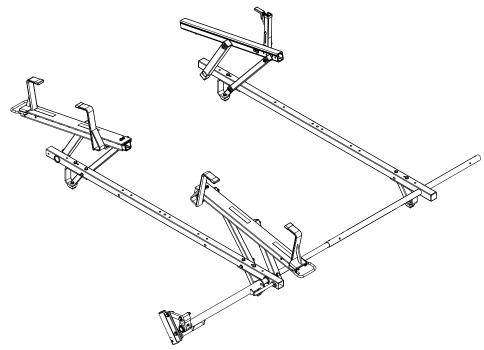
## STEPS 12-13: DRIVE SHAFT INSERTION RESULTS

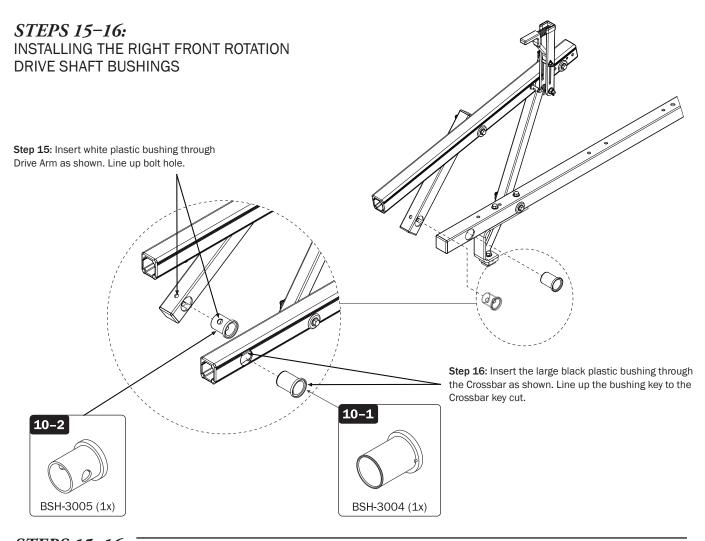


STEP 14: INSERTING THE RIGHT ROTATION CONNECTING BAR

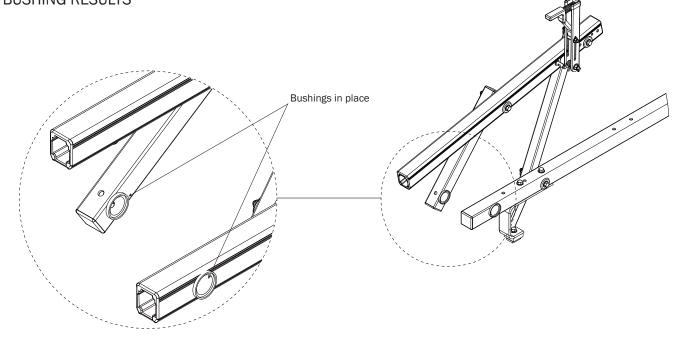


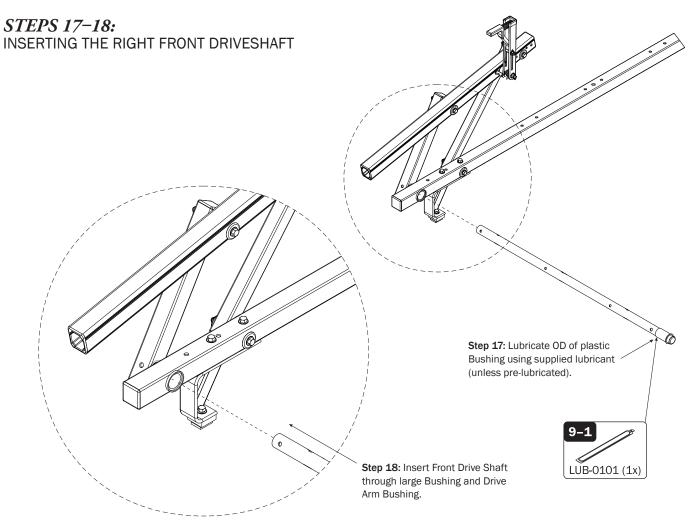
STEP 14:
RIGHT ROTATION CONNECTING BAR
RESULTS



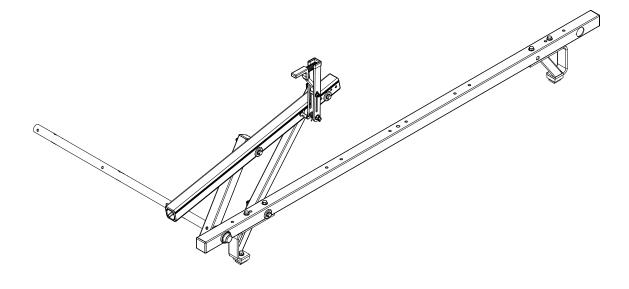


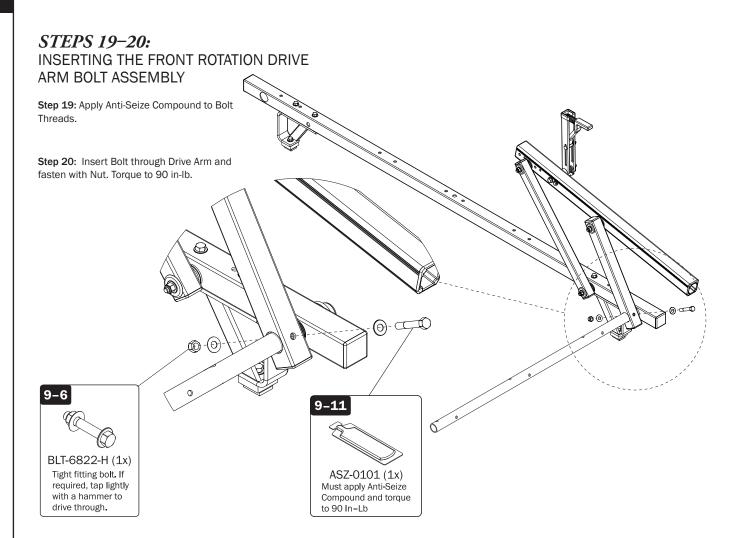
# STEPS 15–16: RIGHT FRONT ROTATION DRIVE SHAFT BUSHING RESULTS



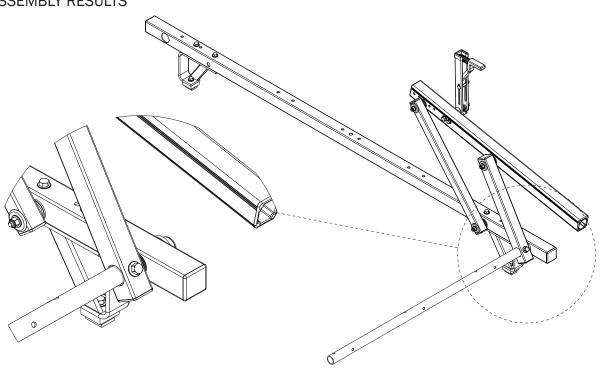


STEPS 17-18:
RIGHT FRONT DRIVE SHAFT INSERTION
RESULTS

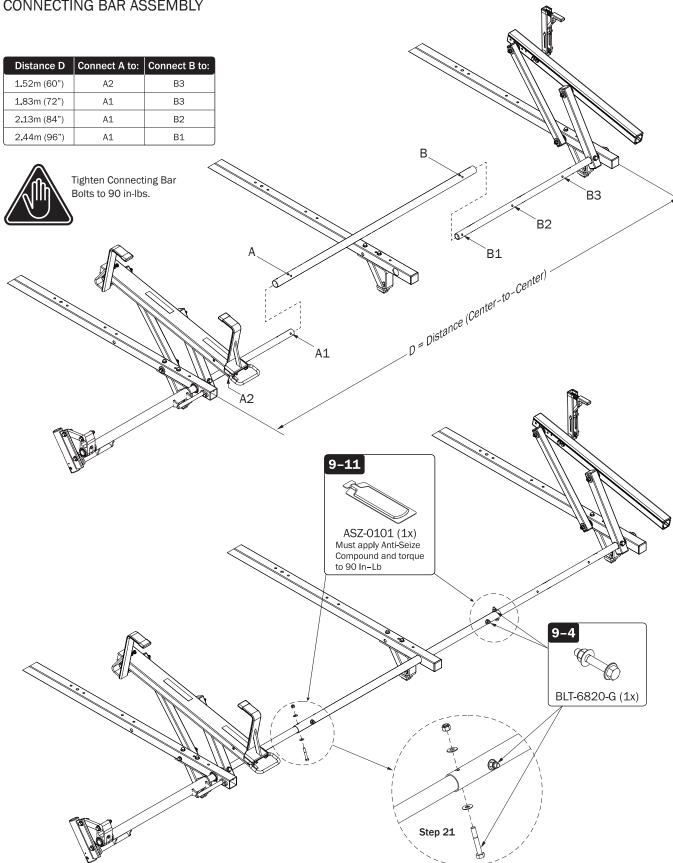




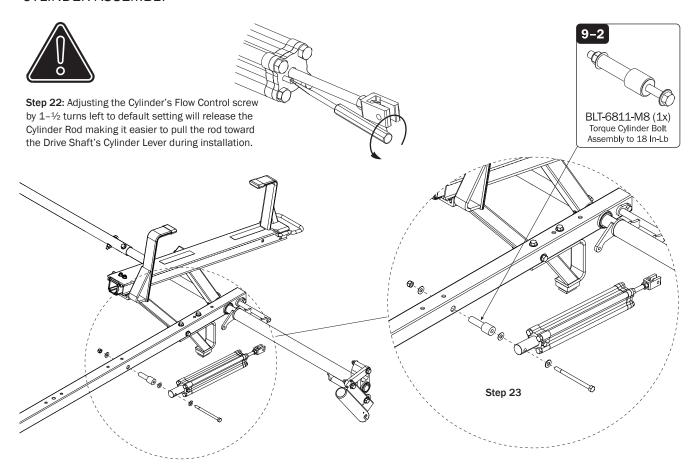
## STEPS 19-20: BOLT ASSEMBLY RESULTS



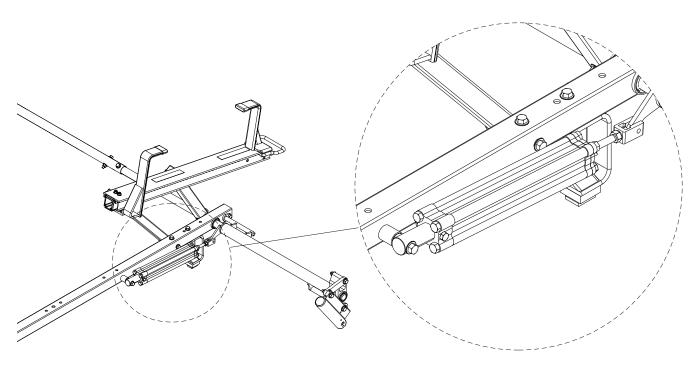
# STEP 21: CONNECTING BAR ASSEMBLY

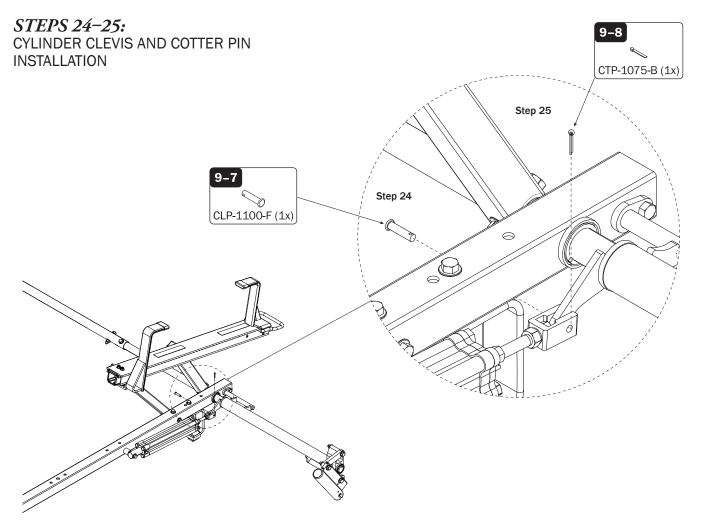


## STEPS 22-23: CYLINDER ASSEMBLY

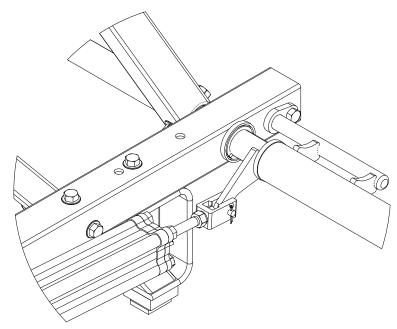


STEPS 22-23:
CYLINDER ASSEMBLY RESULTS

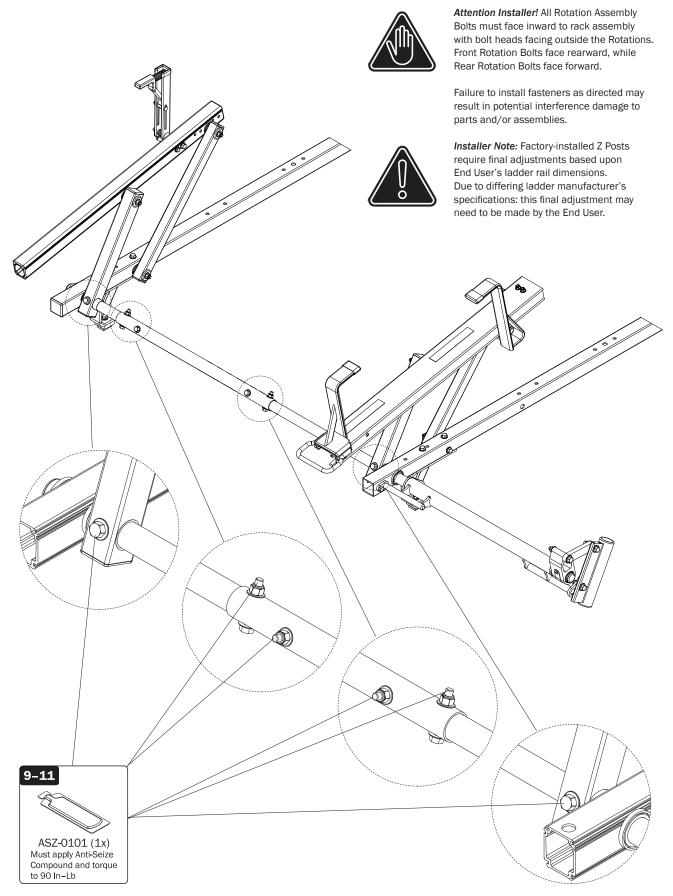


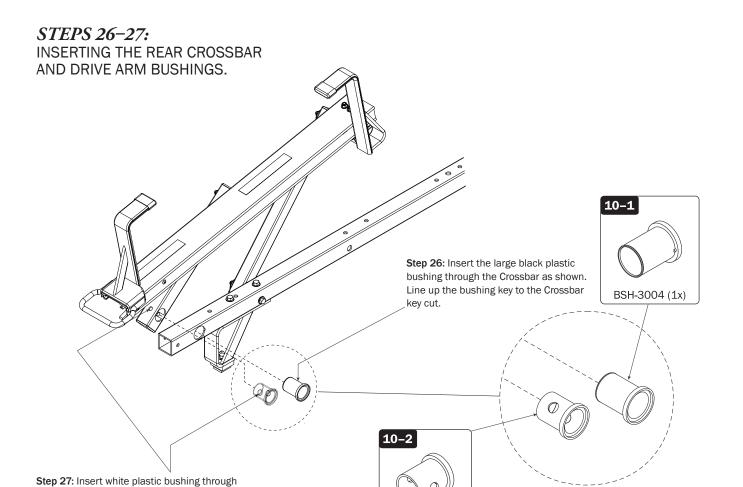


STEPS 24-25:
CYLINDER CLEVIS AND COTTER PIN
INSTALLATION RESULTS



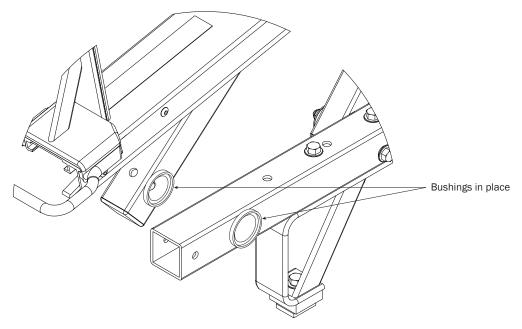
### LEFT HAND ROTATION OVERVIEW





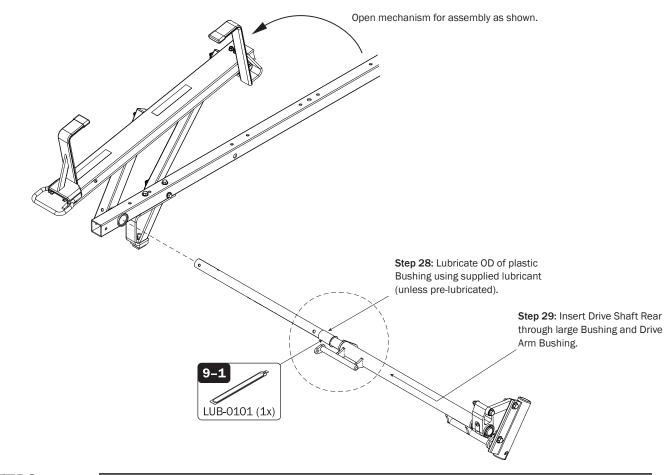
# STEPS 26-27: BUSHING INSERTION RESULTS

Drive Arm as shown. Line up bolt hole.

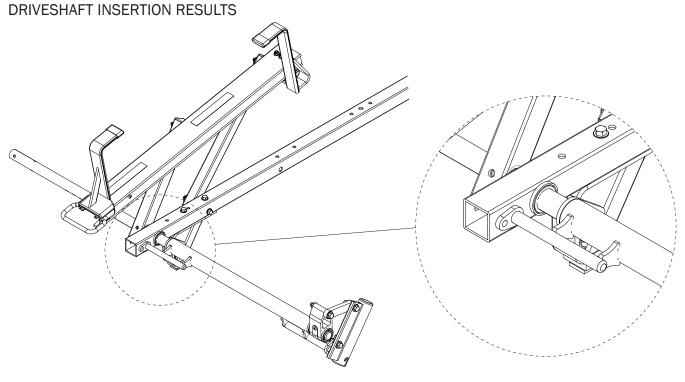


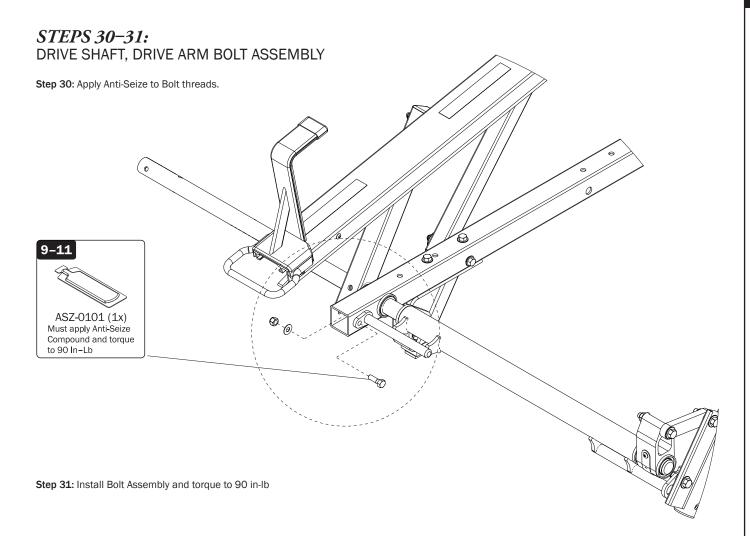
BSH-3005 (1x)

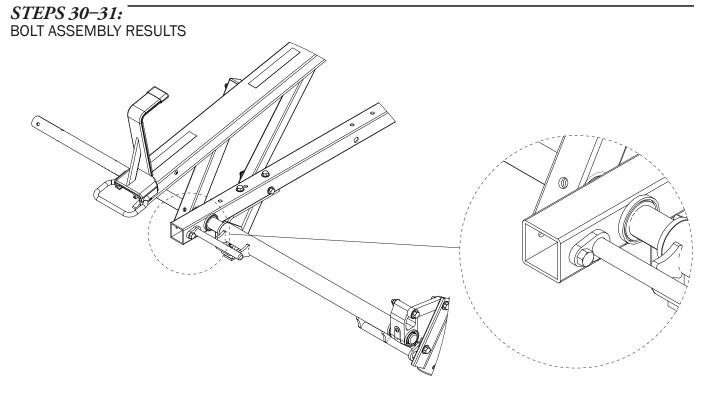
# STEPS 28–29 INSERTING THE LEFT REAR DRIVE SHAFT



## STEPS 28-29:

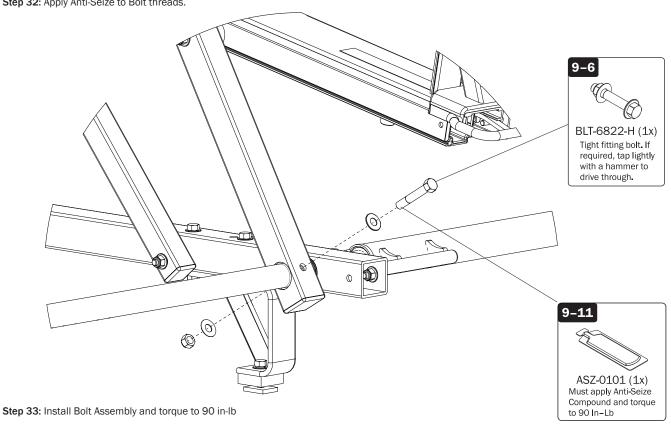






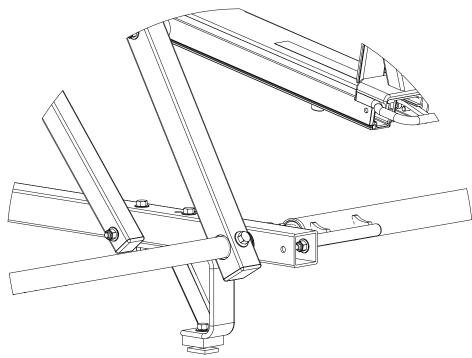
### STEPS 32-33: INSTALLING THE LEFT REAR DRIVE SHAFT TO DRIVE ARM BOLT ASSEMBLY

Step 32: Apply Anti-Seize to Bolt threads.



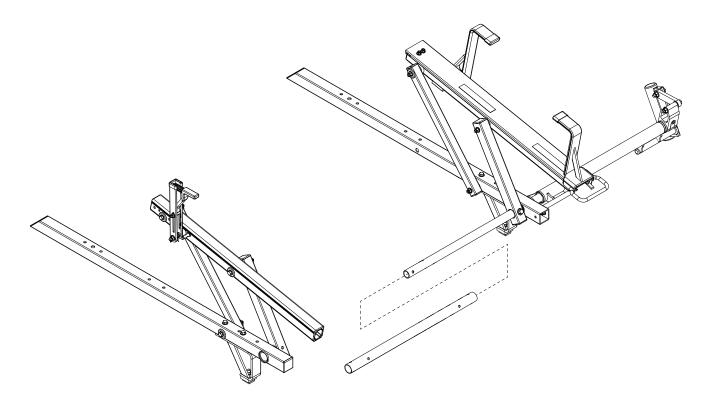
### STEPS 32-33:

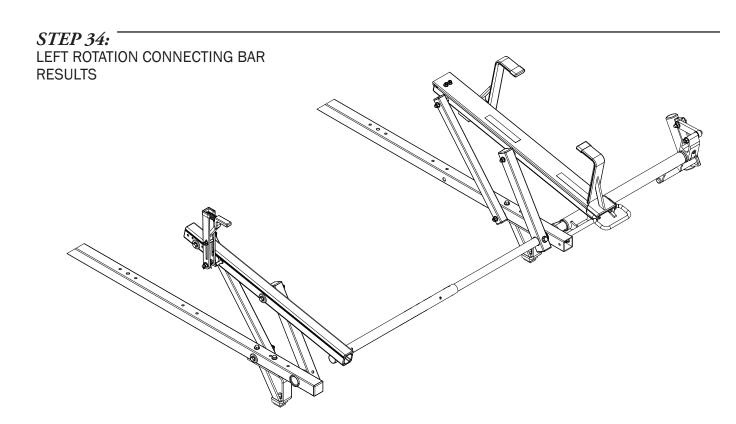
LEFT REAR DRIVE SHAFT INSERTION **RESULTS** 



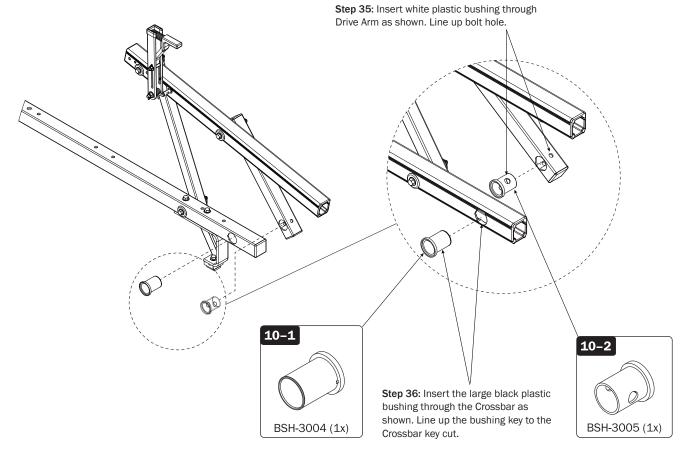
PRIME DESIGN, A SAFE FLEET BRAND 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 • Phone: 651-552-8554 • 1.8. PRIME.RACK • Fax: 651-552-1799 • Email:info@primedesign.net • www.primedesign.net TM & © 2015 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'S 6092974. 6764268. 6971563. 2364879. 8857689. 8511525. 8991889 AND OTHER PATENTS PENDING

**STEP 34:** INSERTING THE LEFT ROTATION CONNECTING BAR

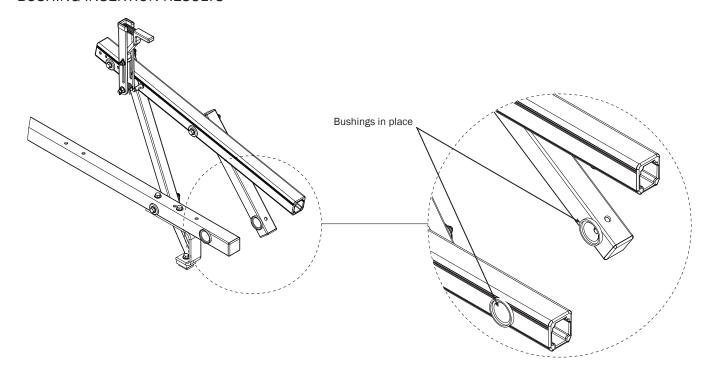


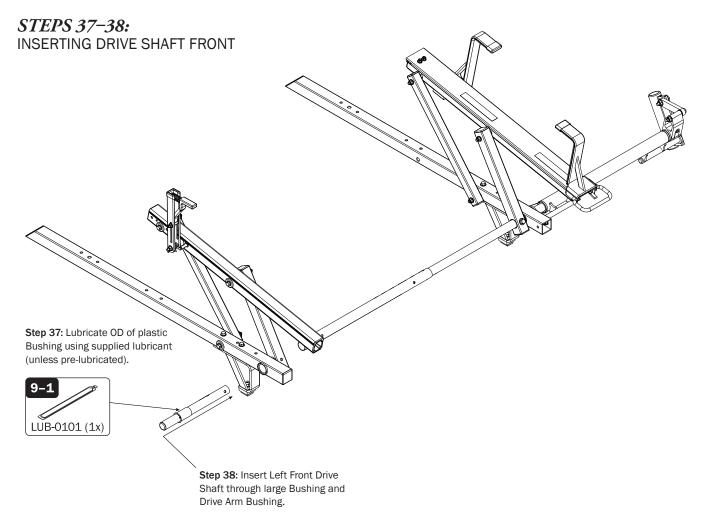


STEPS 35-36:
INSERTING THE LEFT FRONT CROSSBAR
AND DRIVE ARM BUSHINGS

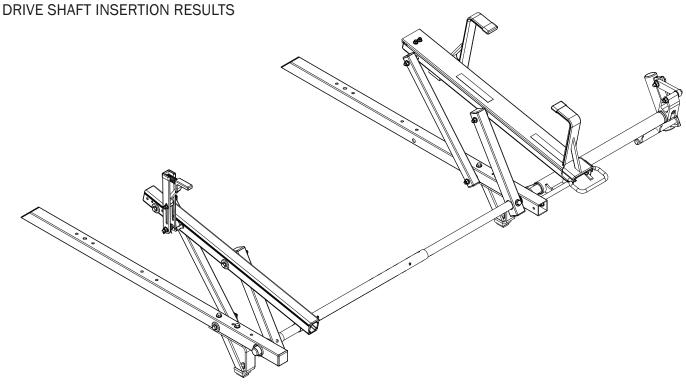


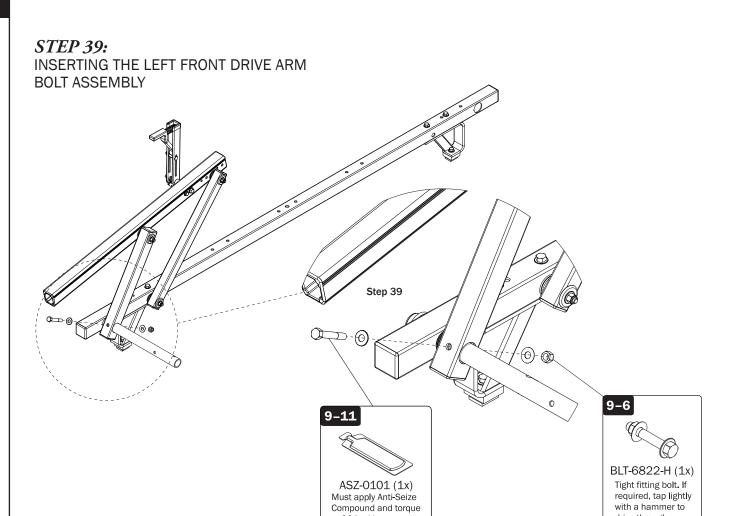
STEPS 35–36:
BUSHING INSERTION RESULTS

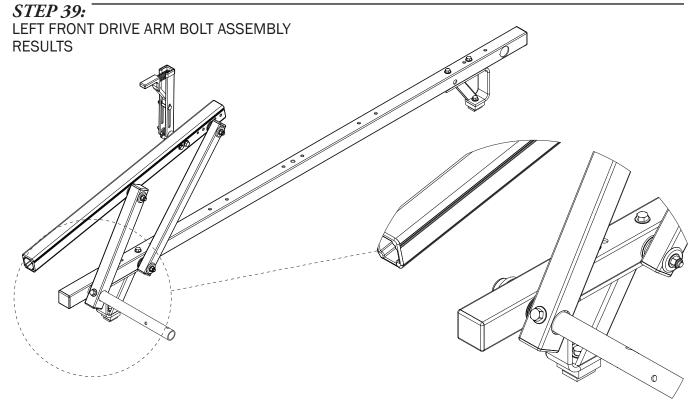




## STEPS 37-38:



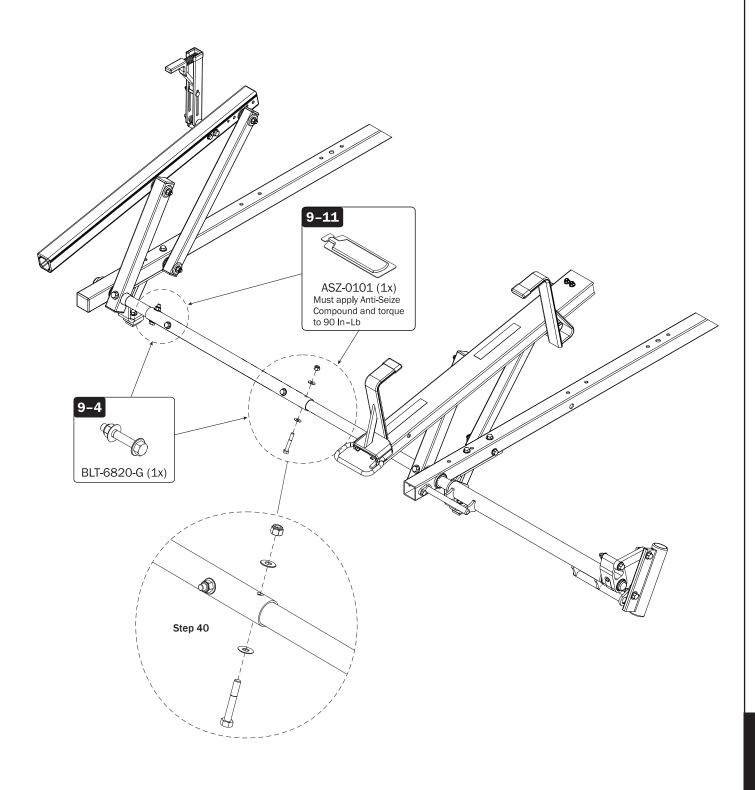




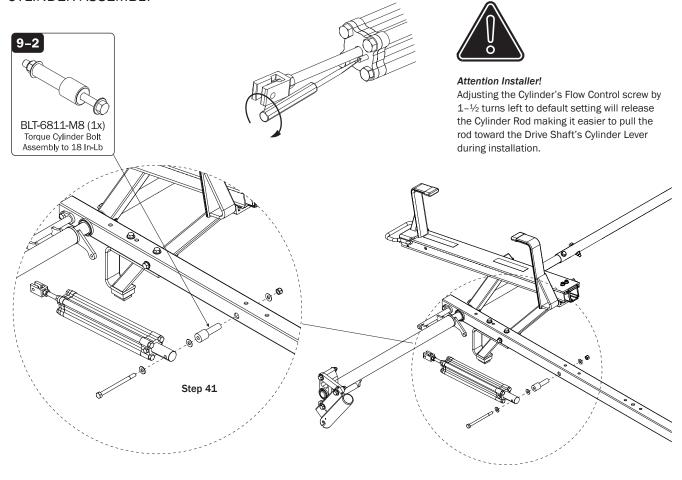
to 90 In-Lb

drive through.

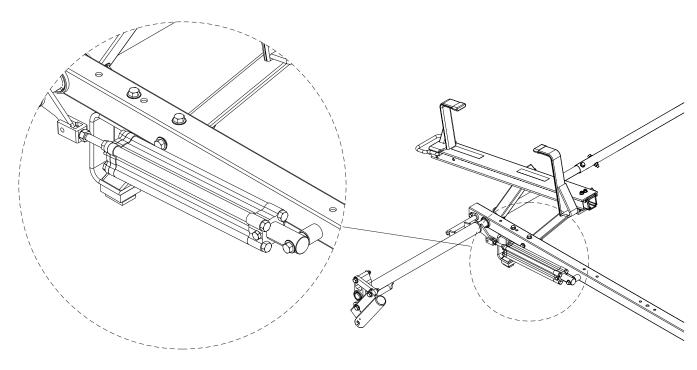
STEP 40: CONNECTING BAR ASSEMBLY



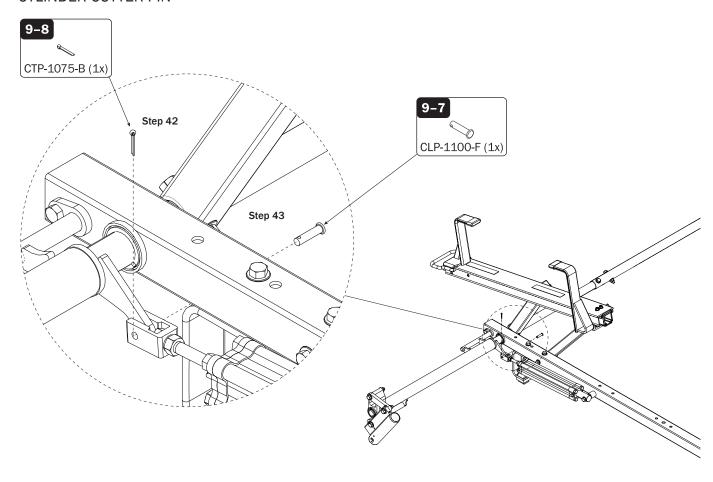
## STEP 41: CYLINDER ASSEMBLY



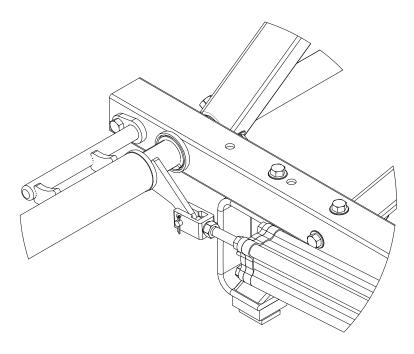
STEP 41:
CYLINDER ASSEMBLY RESULTS

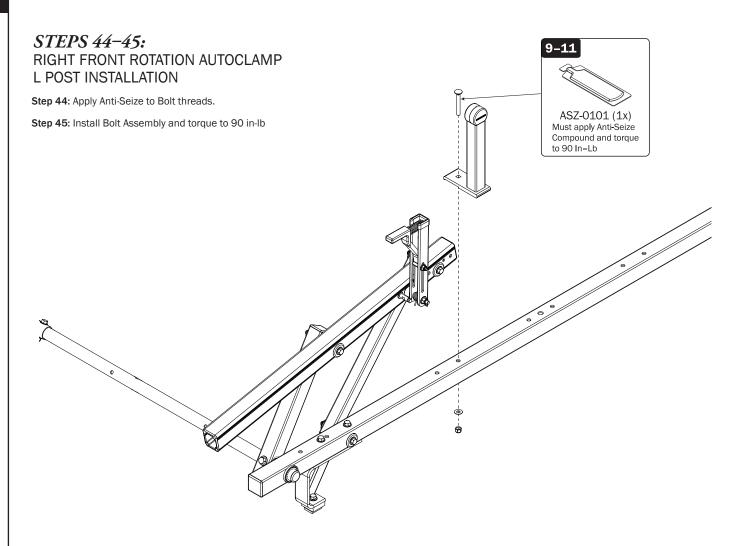


### STEPS 42-43: CYLINDER COTTER PIN

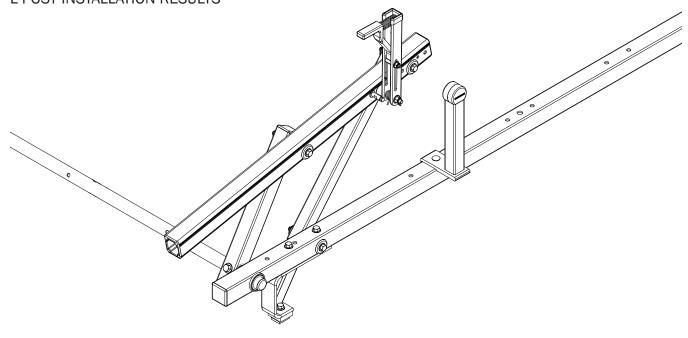


STEPS 42-43:
CYLINDER COTTER PIN RESULTS



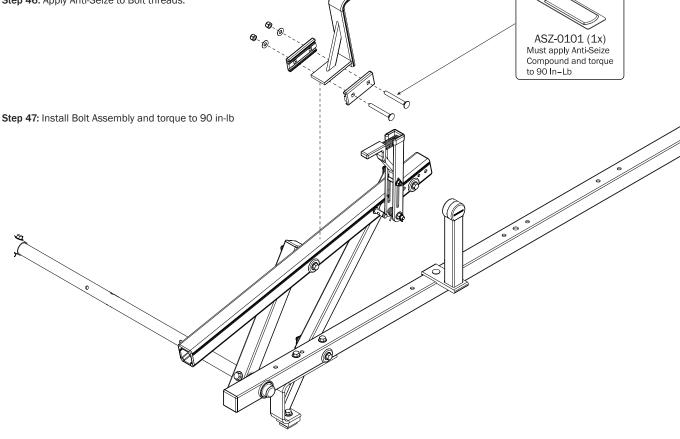


# STEPS 44-45: RIGHT FRONT ROTATION AUTOCLAMP L POST INSTALLATION RESULTS

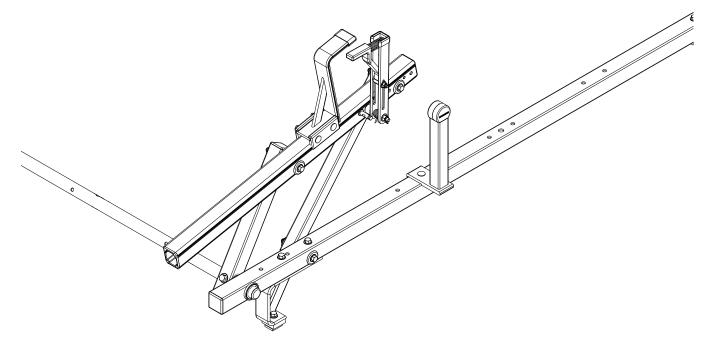


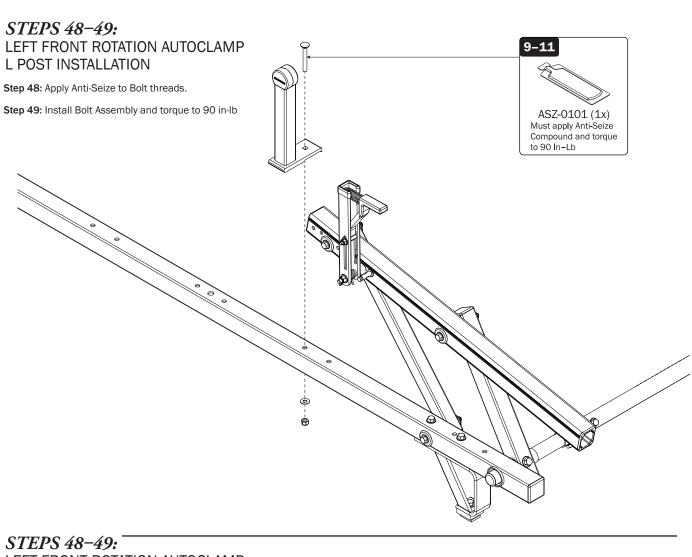


Step 46: Apply Anti-Seize to Bolt threads.

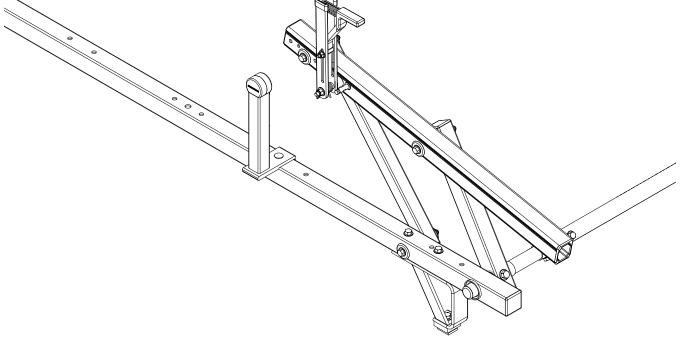


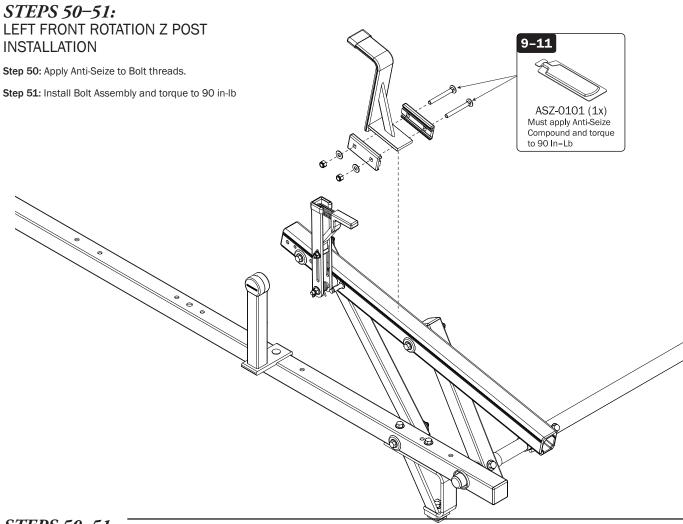
# STEPS 46–47: RIGHT FRONT ROTATION Z POST INSTALLATION RESULTS



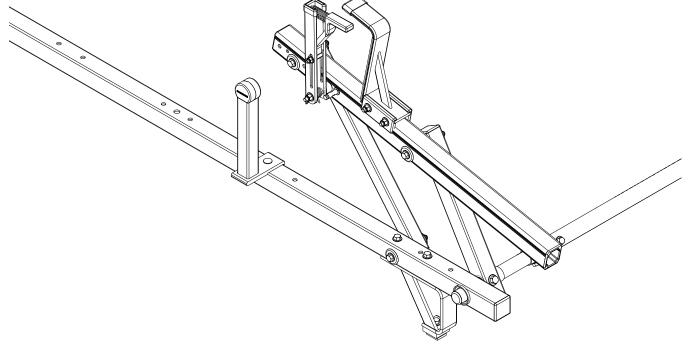


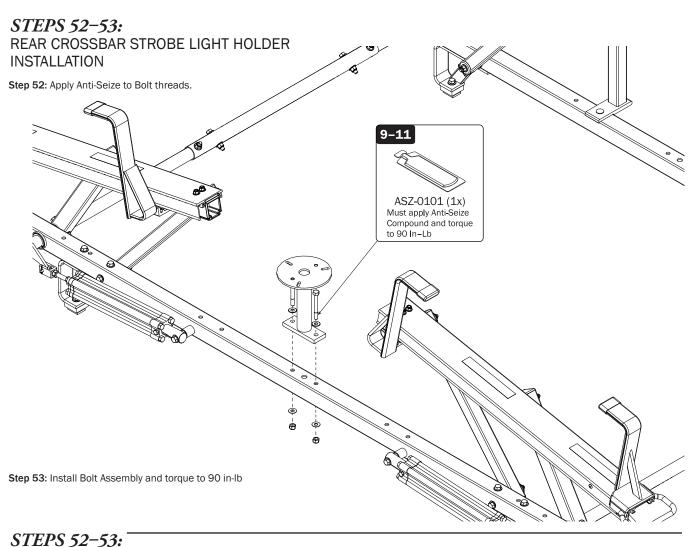


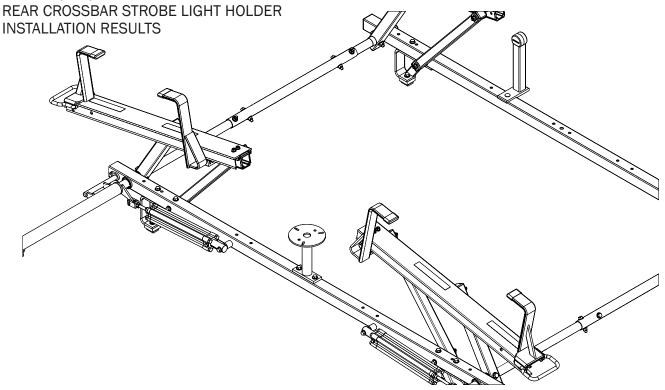




# STEPS 50-51: LEFT FRONT ROTATION Z POST INSTALLATION RESULTS

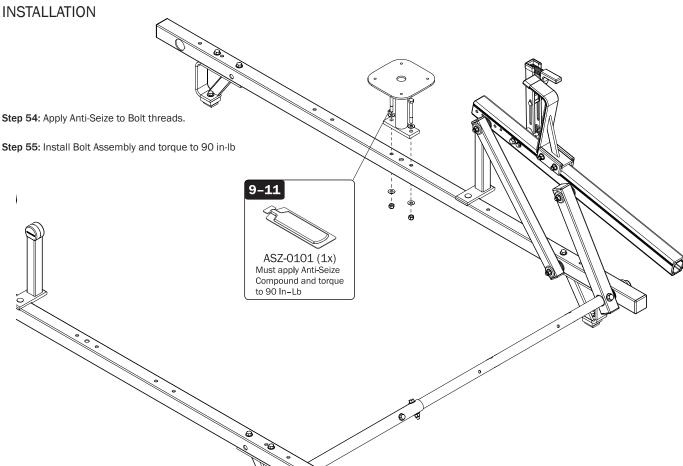






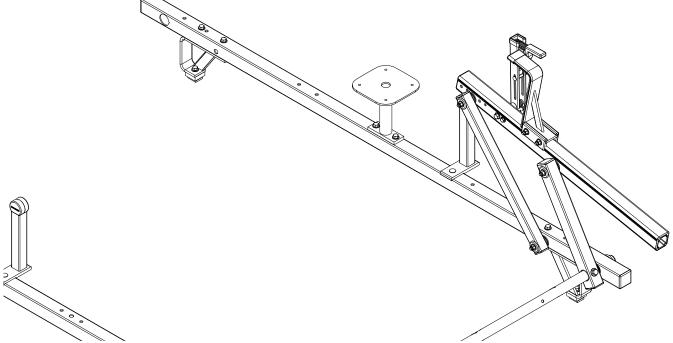
## STEPS 54-55:

FRONT CROSSBAR STROBE LIGHT HOLDER

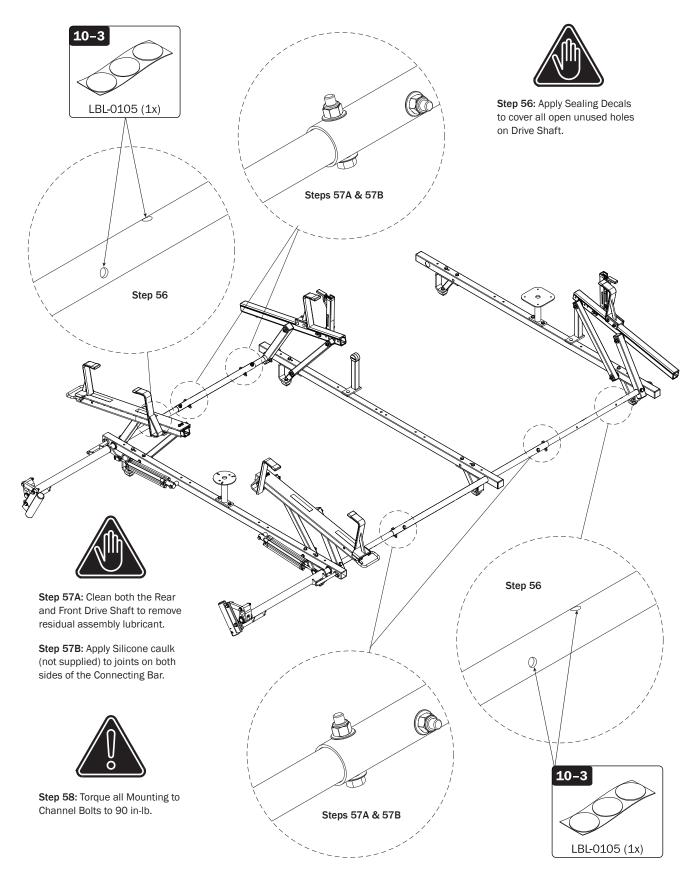


## STEPS 54-55:

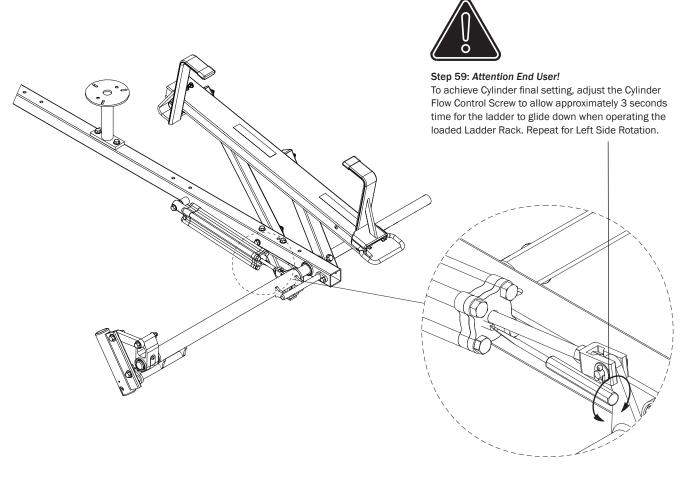
FRONT CROSSBAR STROBE LIGHT HOLDER INSTALLATION RESULTS



### STEPS 56-58: SEALING THE DRIVE SHAFTS



## STEPS 59–60: ADJUSTING THE CYLINDER FLOW CONTROL



## STEPS 59–60: ADJUSTING THE AUTO CLAMP

Step 60: Adjust the height of the Auto Clamp by loosening the nut. To obtain proper tension, do not press down on the ladder. The correct gap between the ladder rail and bottom of Auto Clamp is approximately 5mm. If less than 5mm, the Auto Clamp may not properly release while opening.



Step 60 Continued: Adjust the tension of the Z Post against the ladder. Loosen the 2 nuts where the Z Post attaches to the Cross Bar. Slide the Z Post against the ladder to compress the spring on the Auto Clamp, then re-tighten the Z Post nuts to complete.