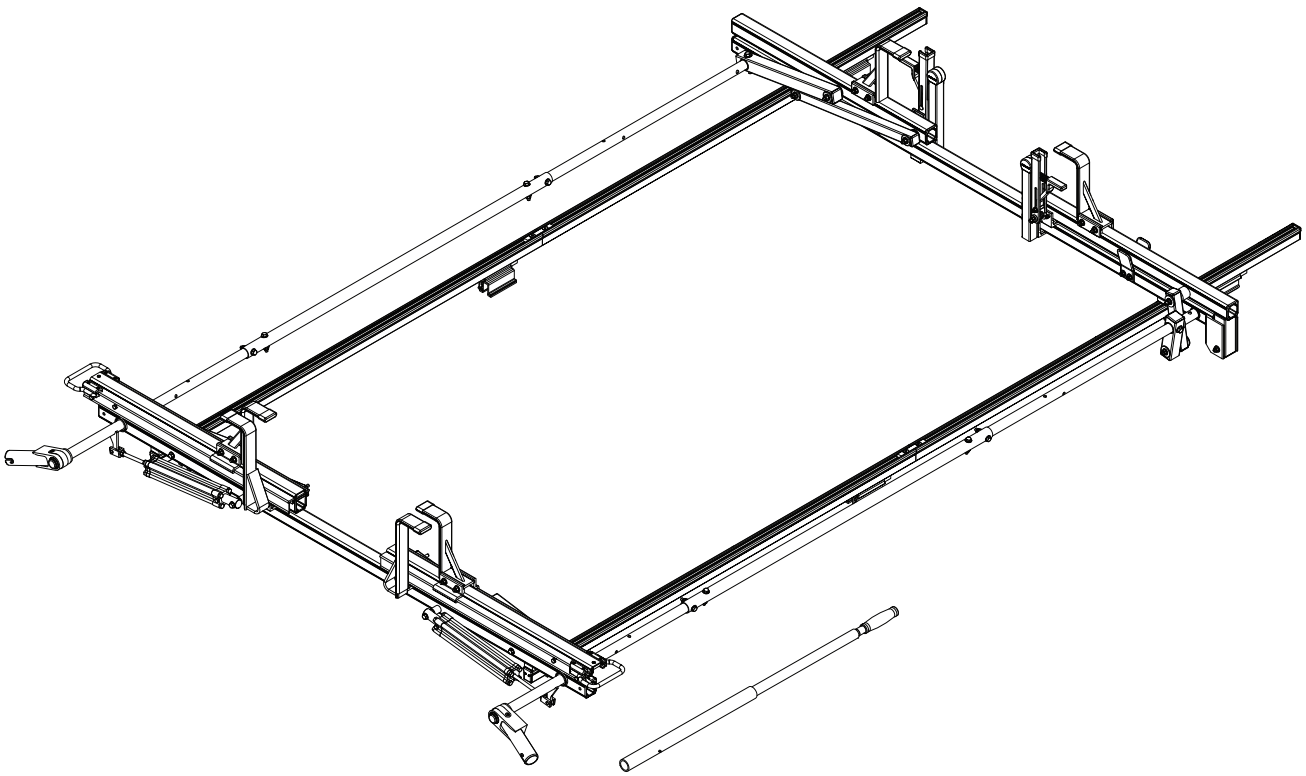
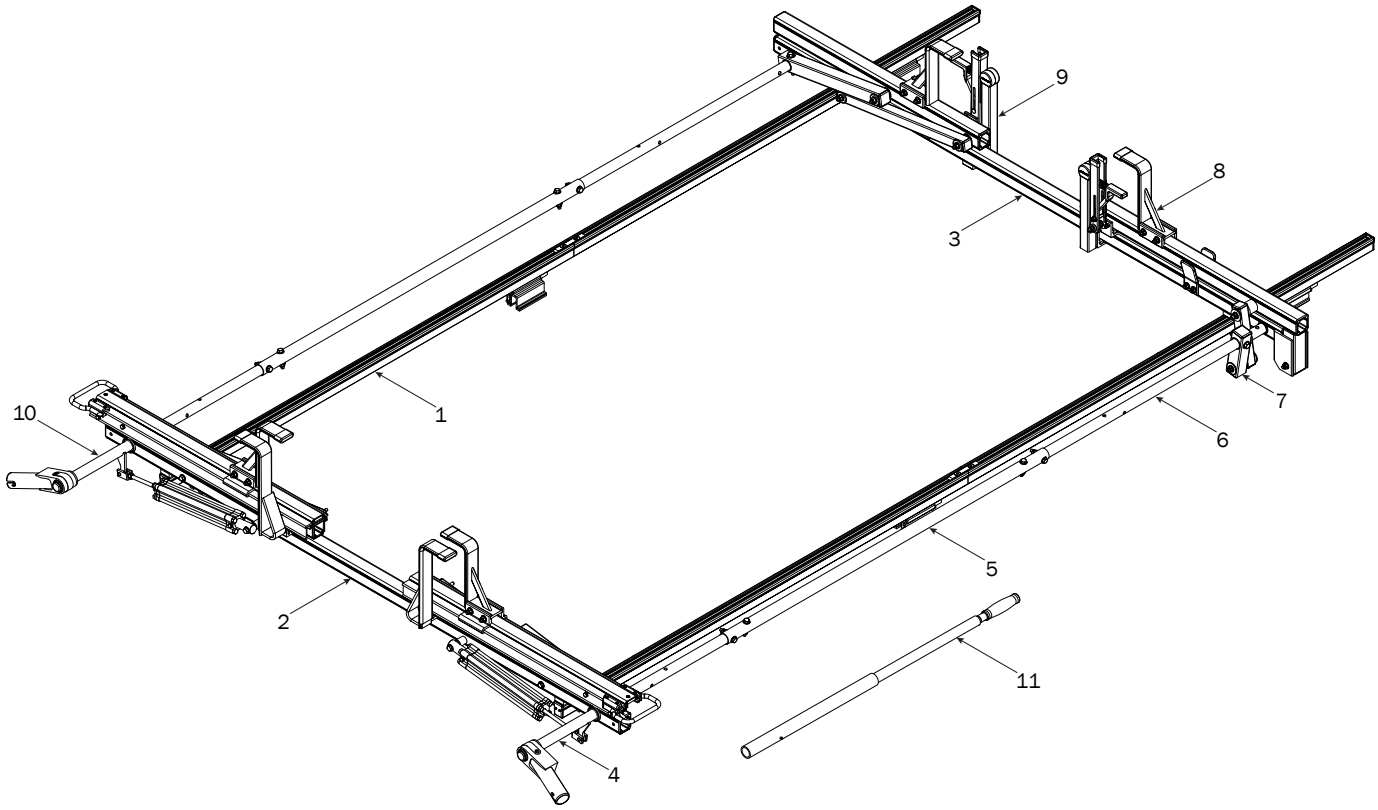
PRIME DESIGN™

A Safe Fleet Brand



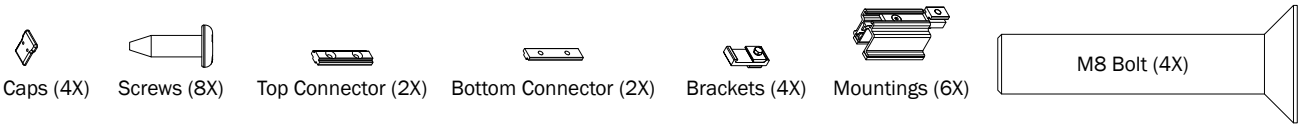
VRI-E

CONTENTS OVERVIEW



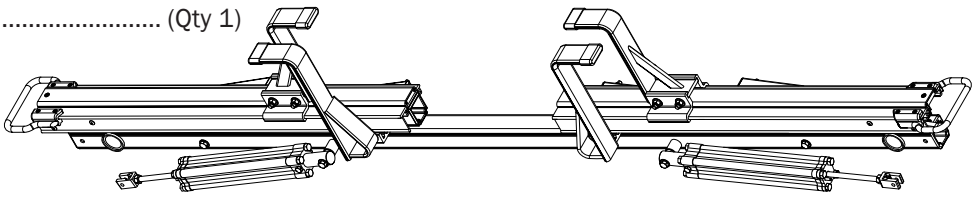
1—FBM-0020 ..... (Qty 1)
Channels with Hardware

60” Channels (4X)

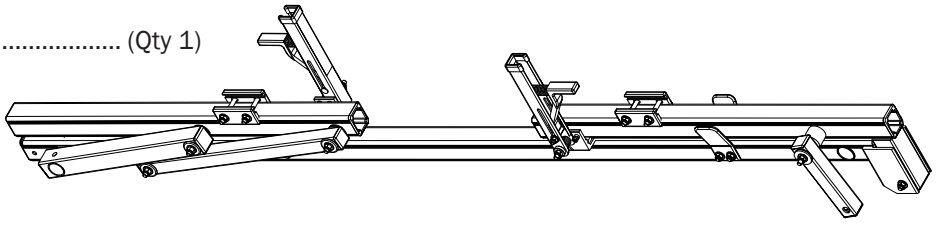


End Caps (4X) Screws (8X) Top Connector (2X) Bottom Connector (2X) Brackets (4X) Mountings (6X) M8 Bolt (4X)

2—Rear Crossbar Assembly..... (Qty 1)

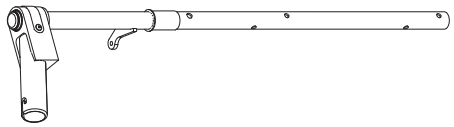


3—Front Crossbar Assembly..... (Qty 1)

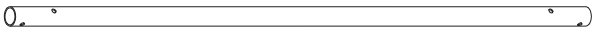


PRIME DESIGN, A SAFE FLEET BRAND ▪ Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 ▪ Phone: 651-552-8554 ▪ Toll Free: 1.8.PRIME.RACK ▪ Fax: 651-552-1799 ▪ Email: info@primedesign.net ▪ Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

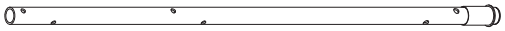
4—Drive Shaft..... (Qty 1)
Rear, Right Hand, 34.00”



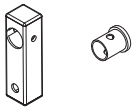
5—Connecting Bar..... (Qty 2)
48.00”

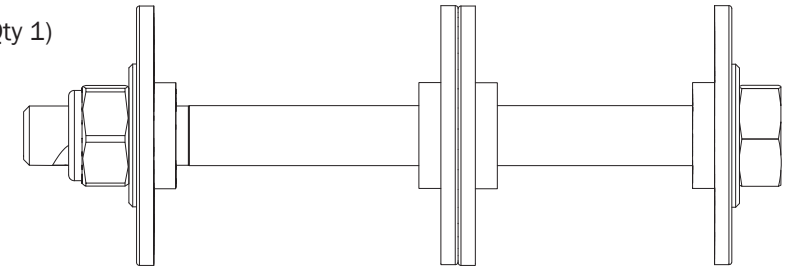


6—Front Drive Shaft..... (Qty 2)
38.75”

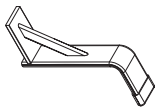


7—Drive Arm..... (Qty 1)
Incline Version with Bushing and Hardware



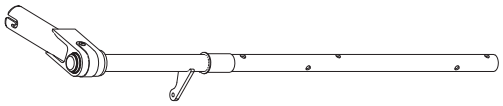


8—Z Post..... (Qty 2)
Adjustable, 7.25”

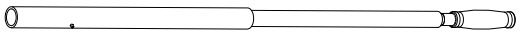


9—L Post..... (Qty 2)
Roller Cap, 9.25”

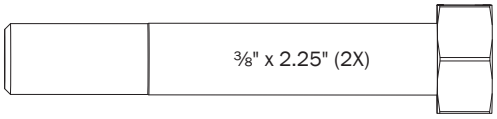
10—Drive Shaft..... (Qty 1)
Rear, Left Hand, 34.00”

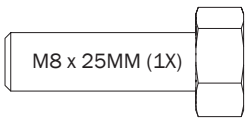


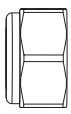
11—Removeable Handle..... (Qty 1)



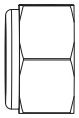
12—HKT-8163-Rotation Hardware Kit..... (Qty 2)
(Not called out in Overview)



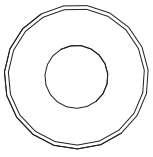




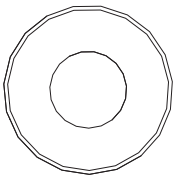
M8 Lock Nut (5X)



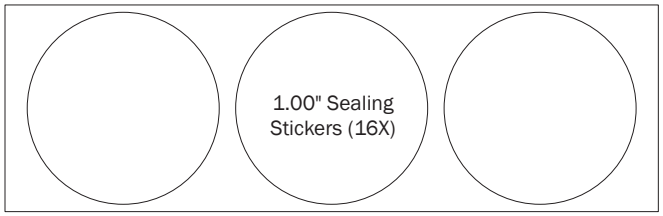
⅜" Lock Nut (2X)

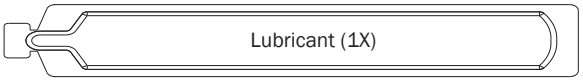


$^{5}/_{16}$" Flat Washer (10X)



⅜" Flat Washer (4X)





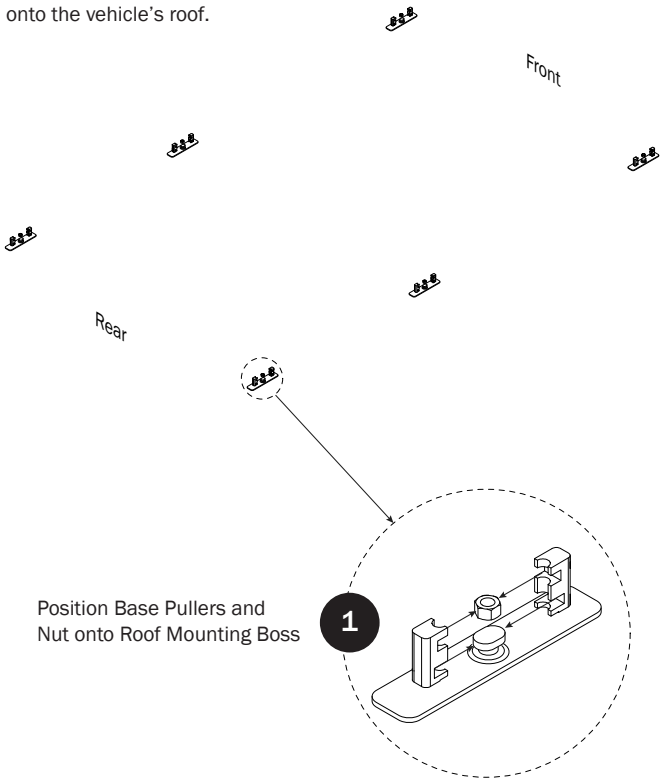
PRIME DESIGN

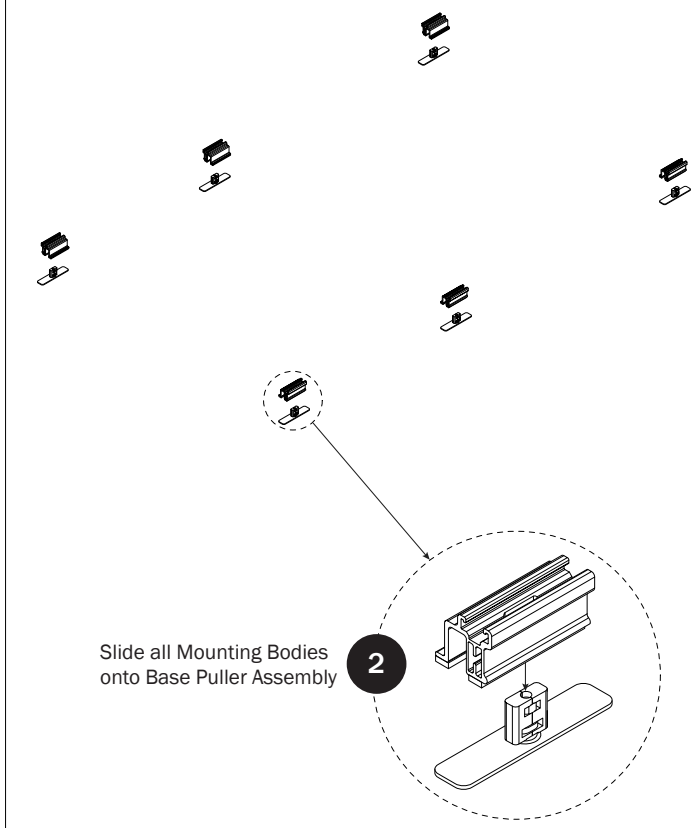
A Safe Fleet Brand

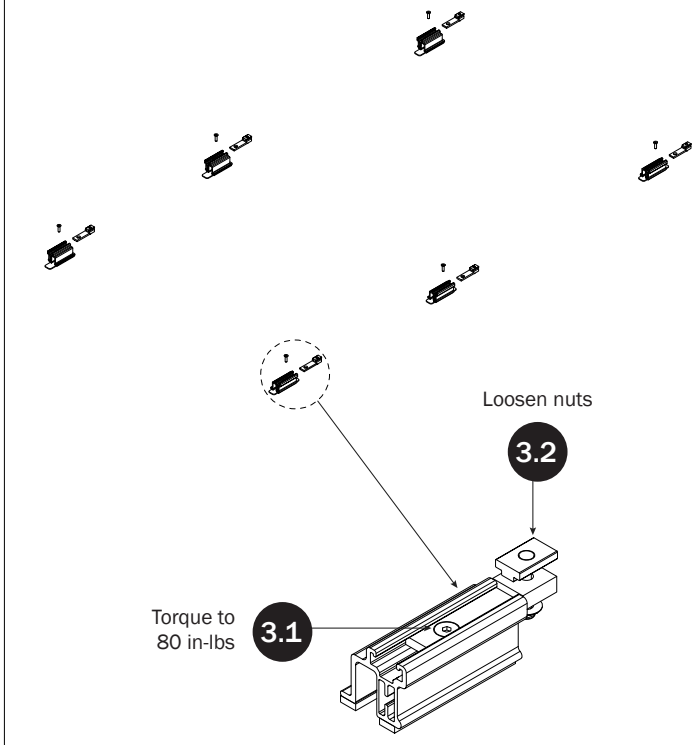
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

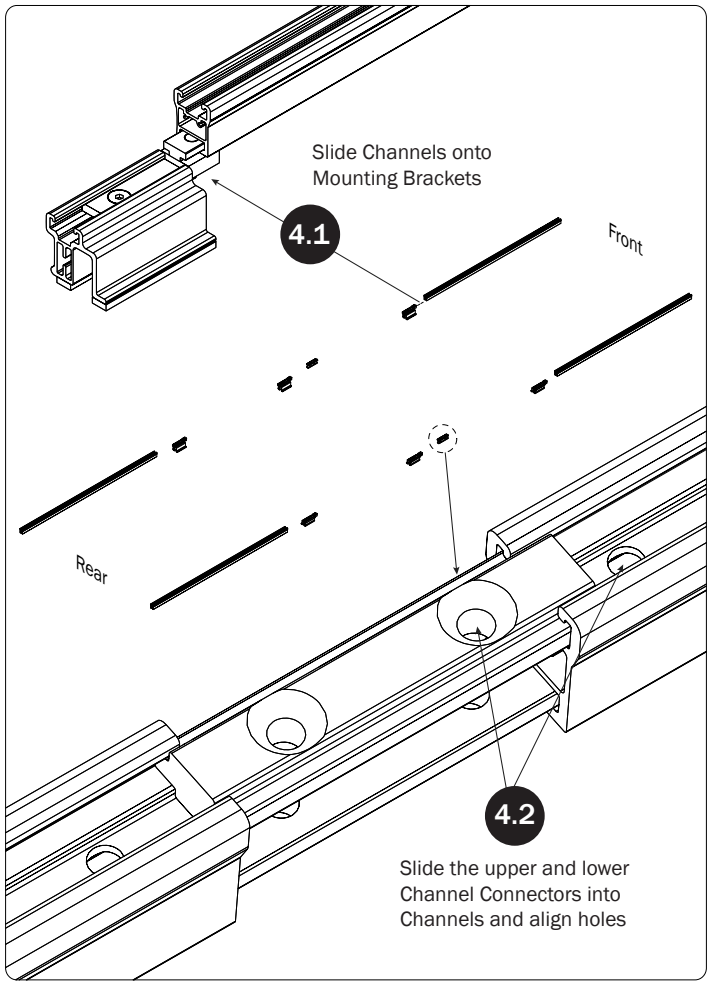
FBM-0020
MOUNTING BRACKETS

INSTALLER NOTE: Mounting Brackets must be disassembled for installation onto the vehicle's roof.



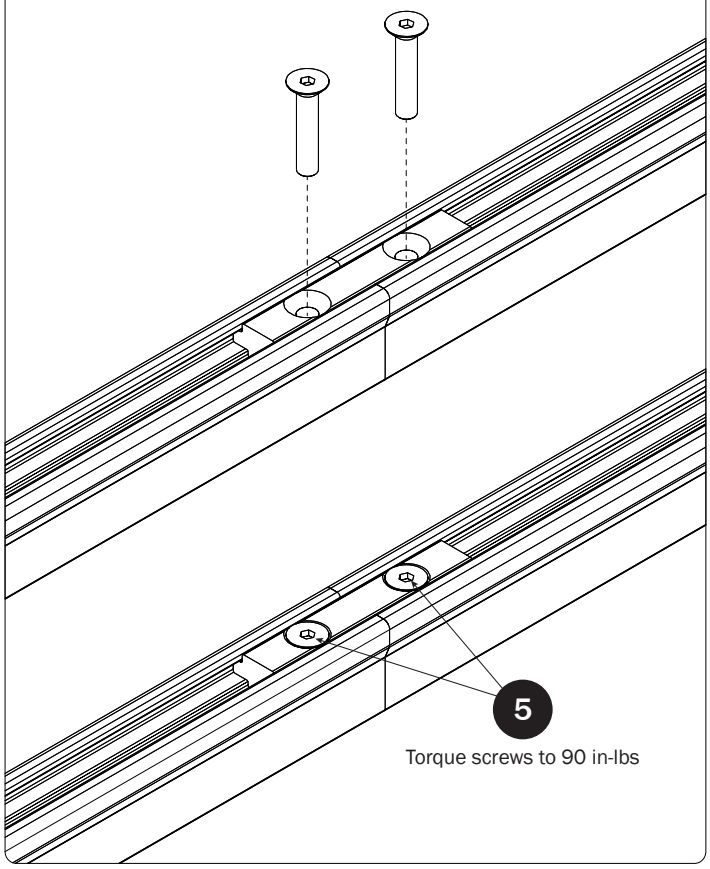






PRIME DESIGN™ A Safe Fleet Brand

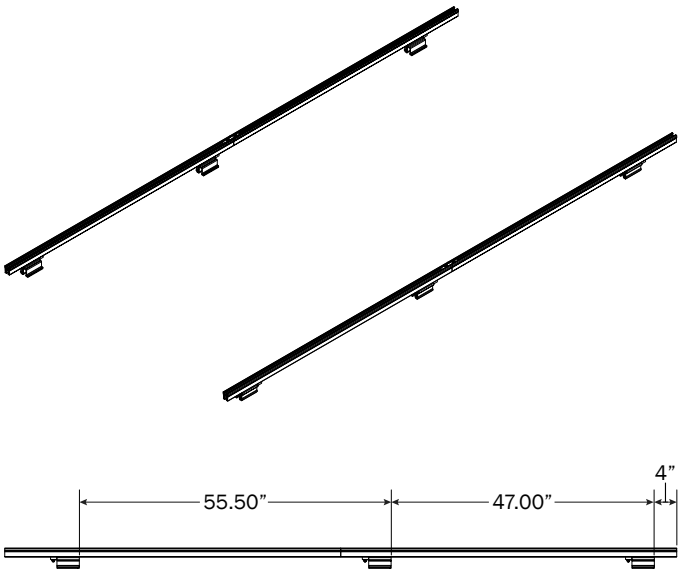
PRIME DESIGN, A SAFE FLEET BRAND ▪ Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 ▪ Phone: 651-552-8554 ▪ Toll Free: 1.8.PRIME.RACK ▪ Fax: 651-552-1799 ▪ Email: info@primedesign.net ▪ Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING



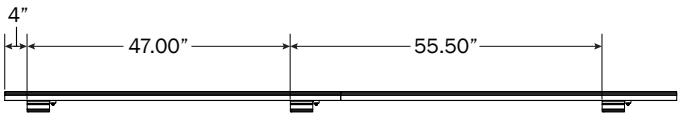
5

Torque screws to 90 in-lbs

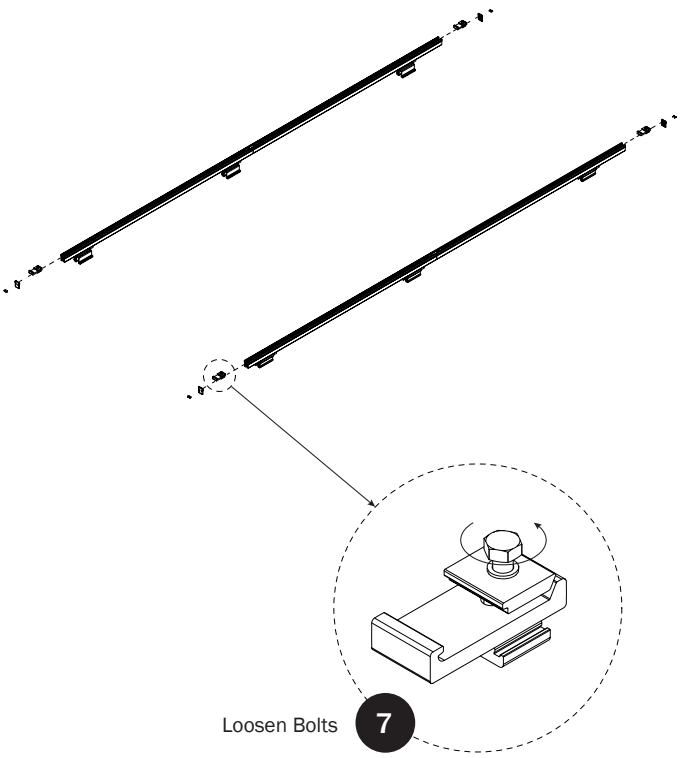
6 Set to distances then torque Mounting Bracket nuts to 80 in-lbs



Left Rear

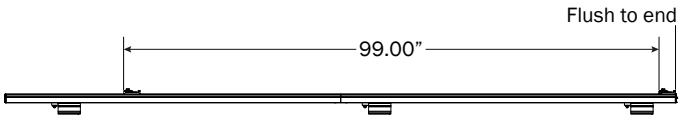


Right Rear

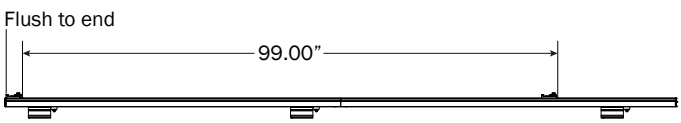


Loosen Bolts 7

8 Set to distances shown, but do not tighten at this time



Left Rear

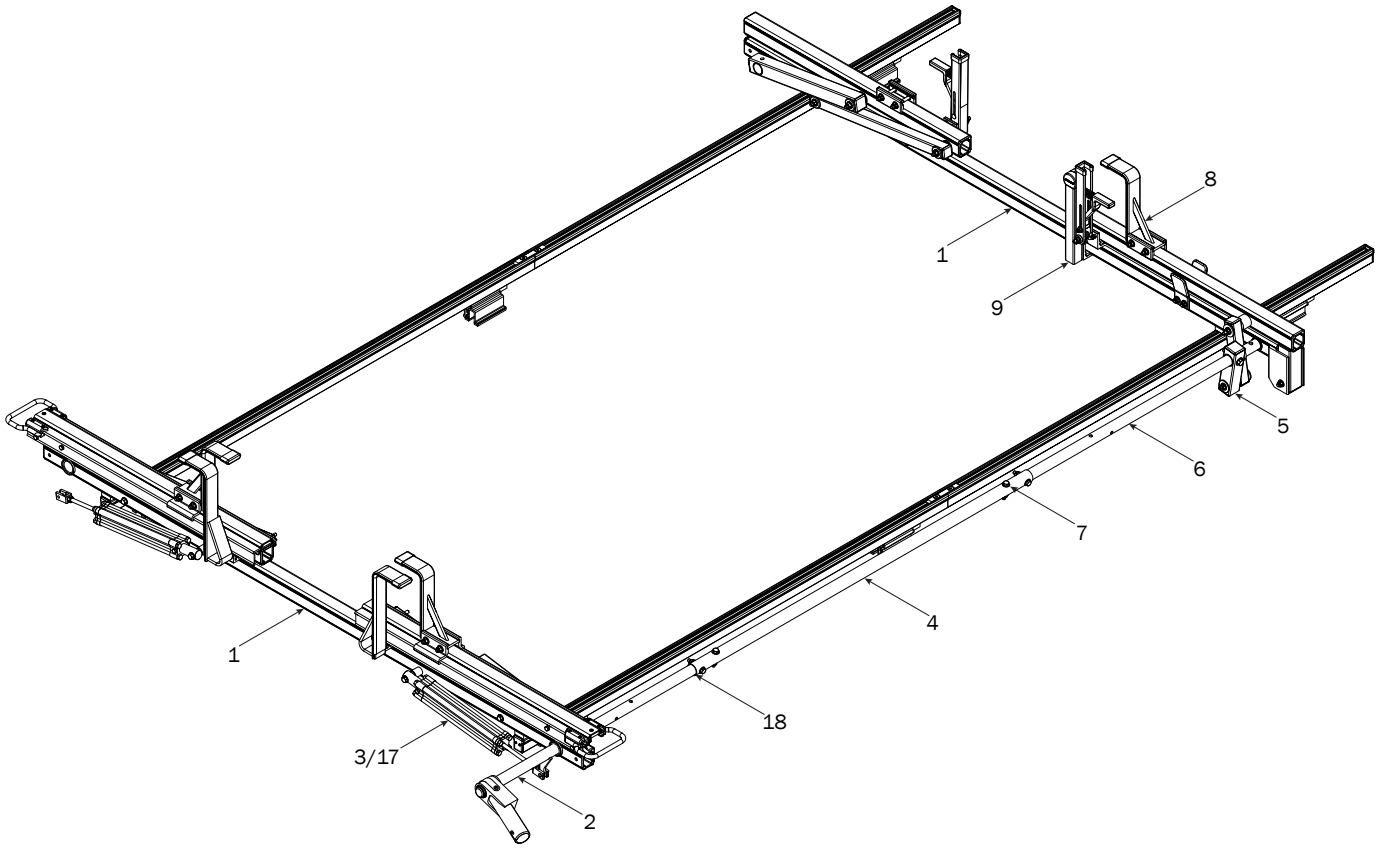


Right Rear

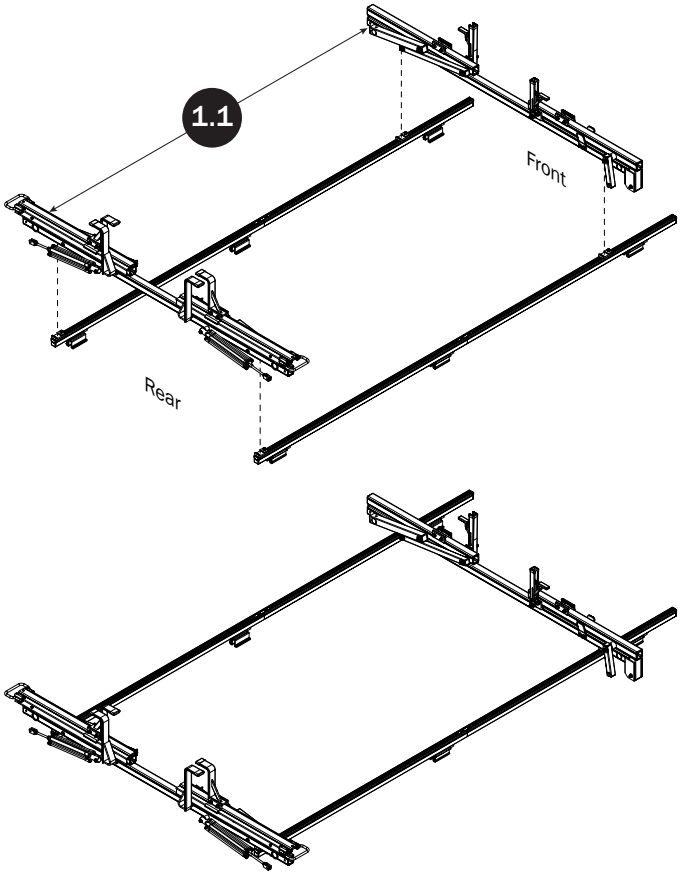
PRIME DESIGN, A SAFE FLEET BRAND • Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 • Phone: 651-552-8554 • Toll Free: 1.8.PRIME.RACK • Fax: 651-552-1799 • Email: info@primedesign.net • Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

PRIME DESIGN™
A Safe Fleet Brand

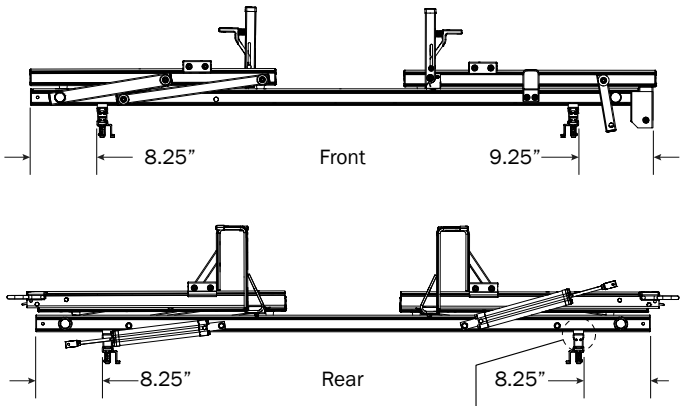
RIGHT ROTATION ASSEMBLY

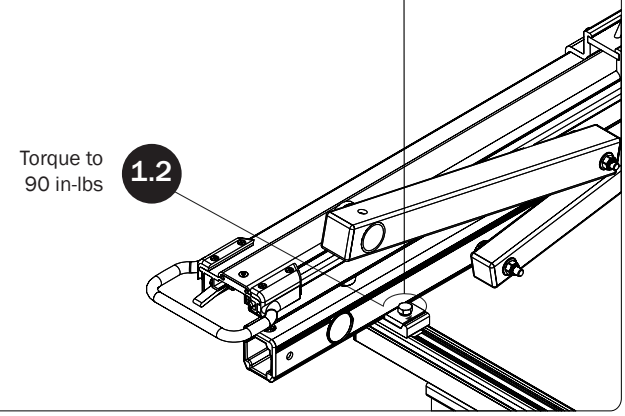


CROSSBARS



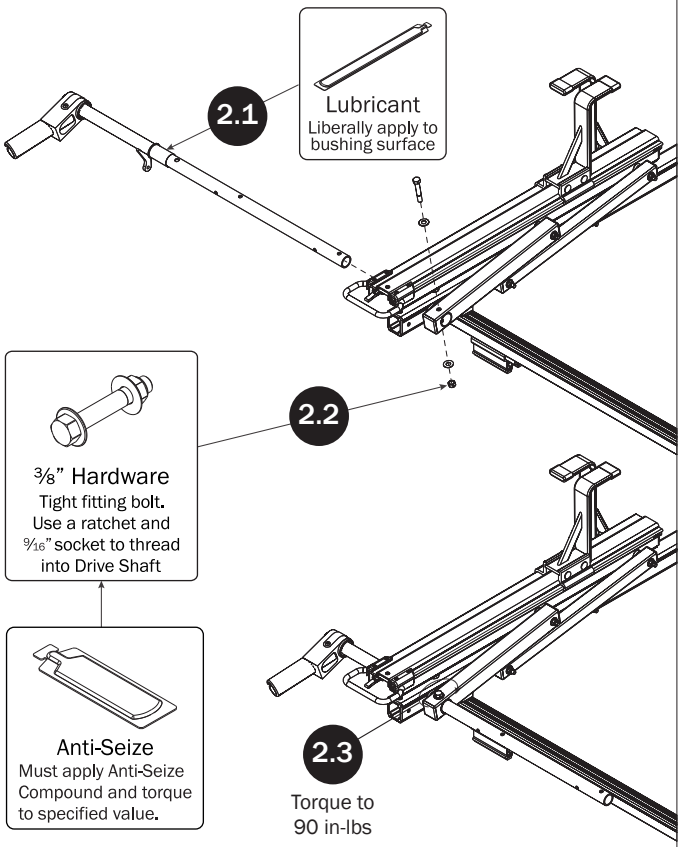
CROSSBAR ADJUSTMENT



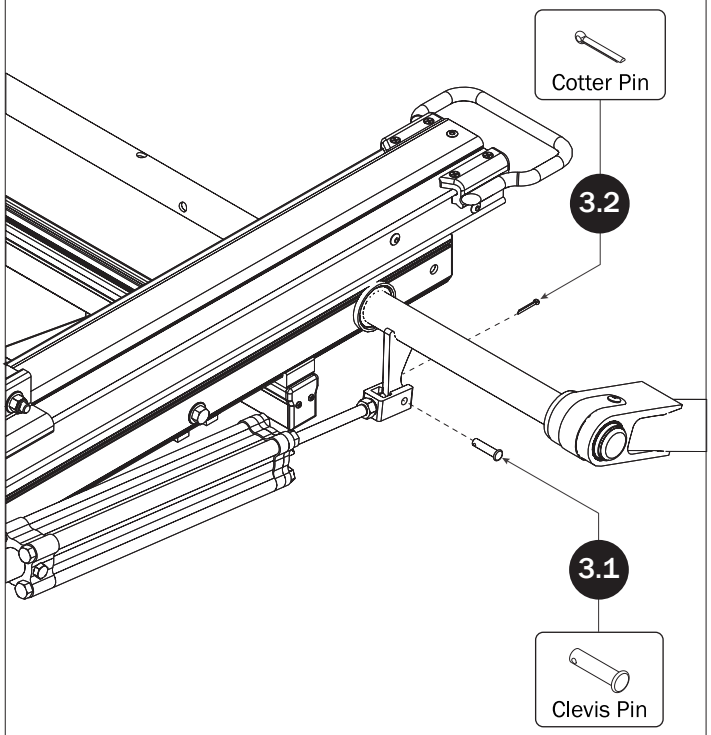


PRIME DESIGN, A SAFE FLEET BRAND ▪ Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 ▪ Phone: 651-552-8554 ▪ Toll Free: 1.8.PRIME.RACK ▪ Fax: 651-552-1799 ▪ Email: info@primedesign.net ▪ Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

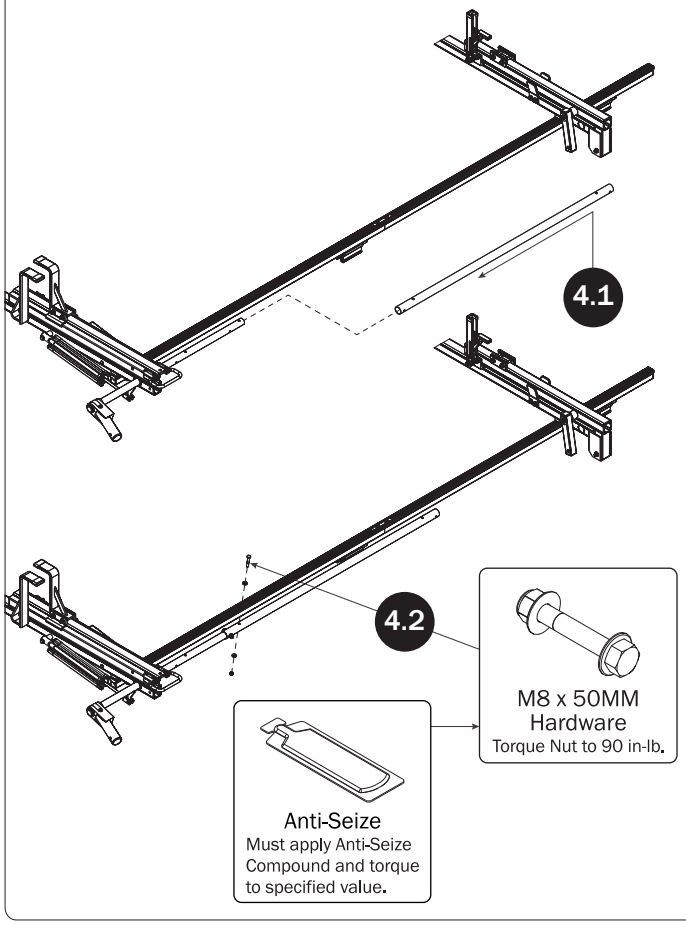
REAR DRIVE SHAFT



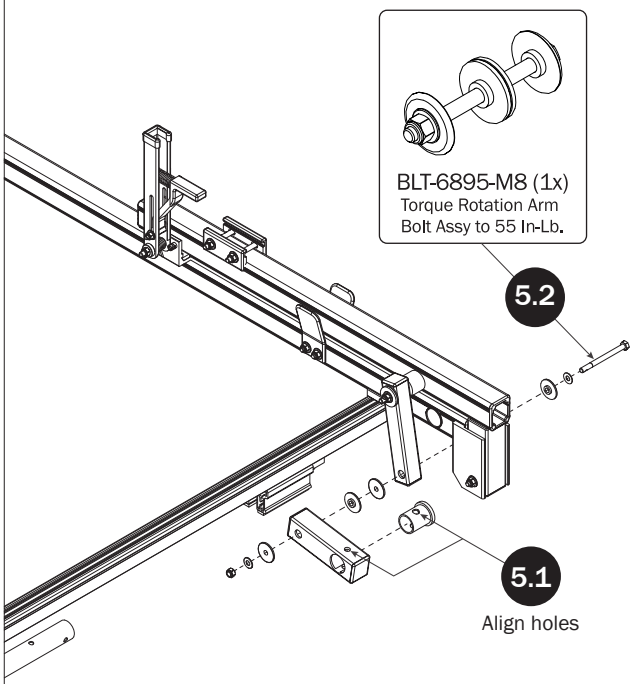
CYLINDER HARDWARE



CONNECTING BAR

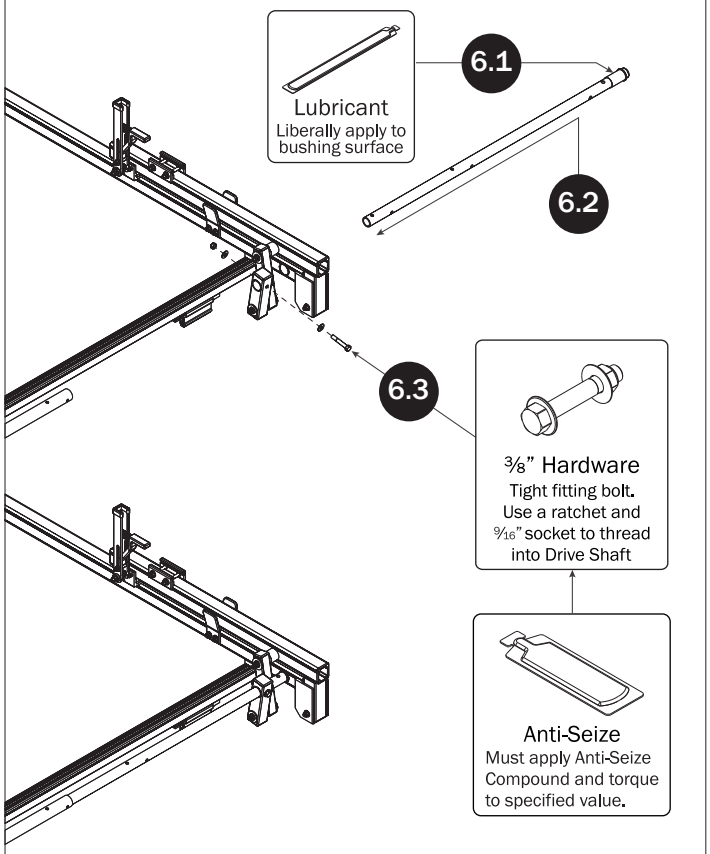


FRONT DRIVE ARM

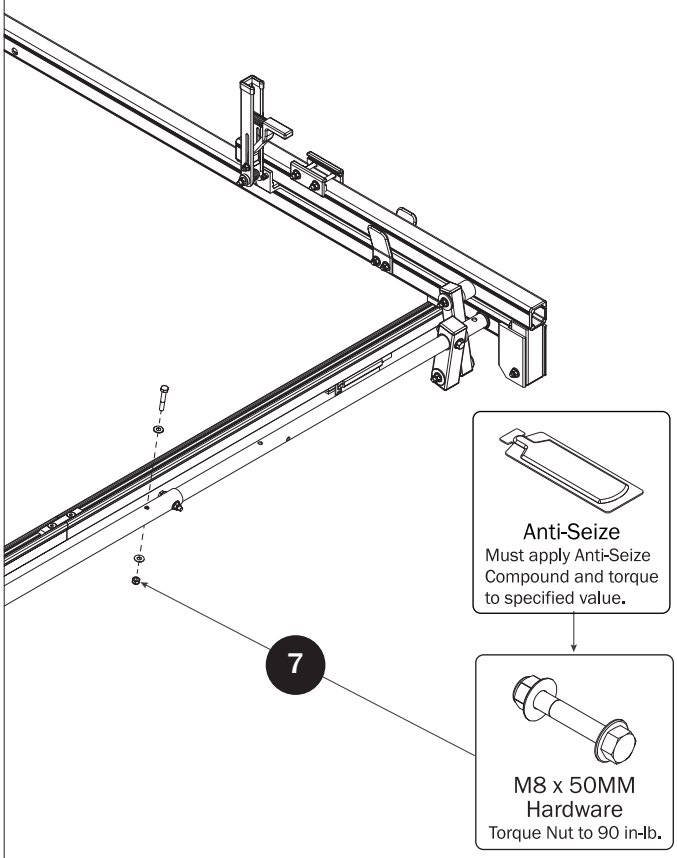


PRIME DESIGN, A SAFE FLEET BRAND • Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 • Phone: 651-552-8554 • Toll Free: 1.8.PRIME.RACK • Fax: 651-552-1799 • Email: info@primedesign.net • Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

FRONT DRIVE SHAFT

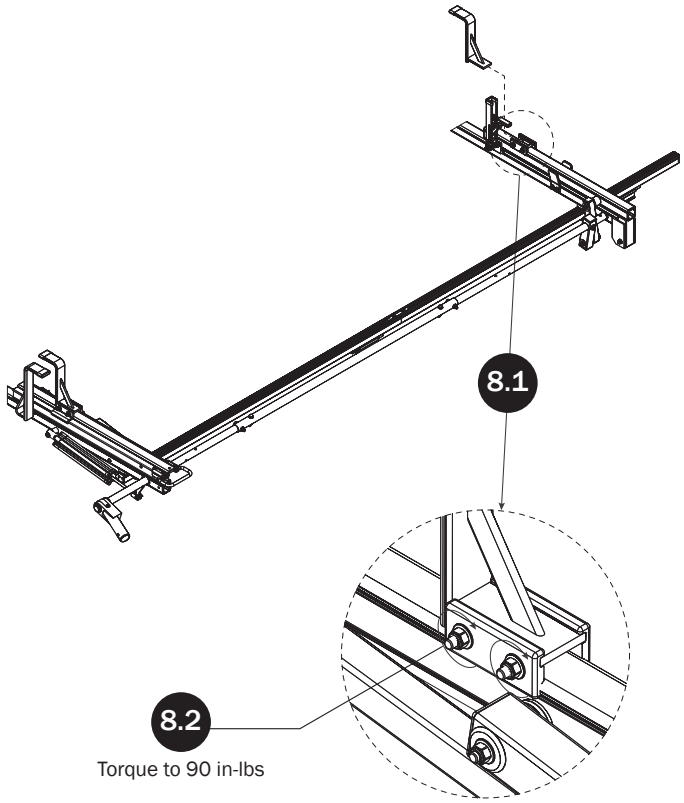


CONNECTING BAR FASTENERS



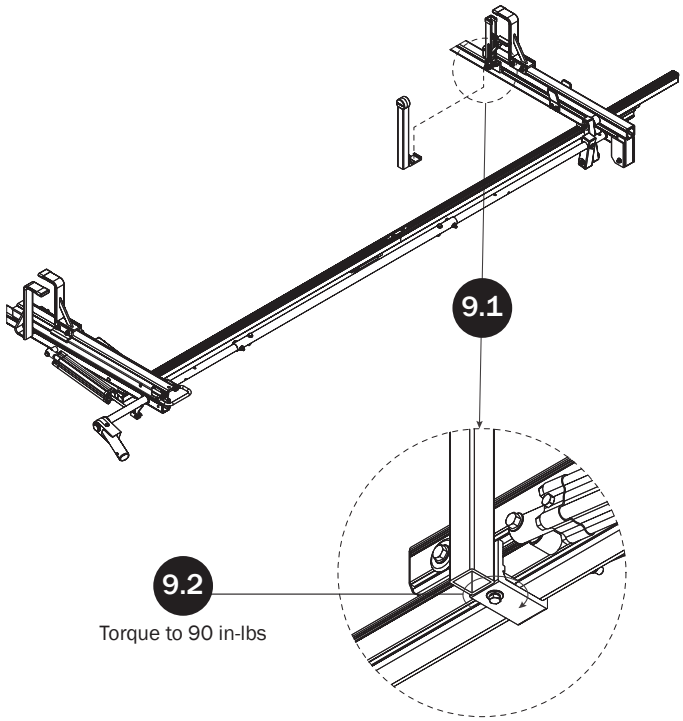
Z POSTS

SEE QUICK START GUIDE FOR ADJUSTMENTS



L POSTS

SEE QUICK START GUIDE FOR ADJUSTMENTS

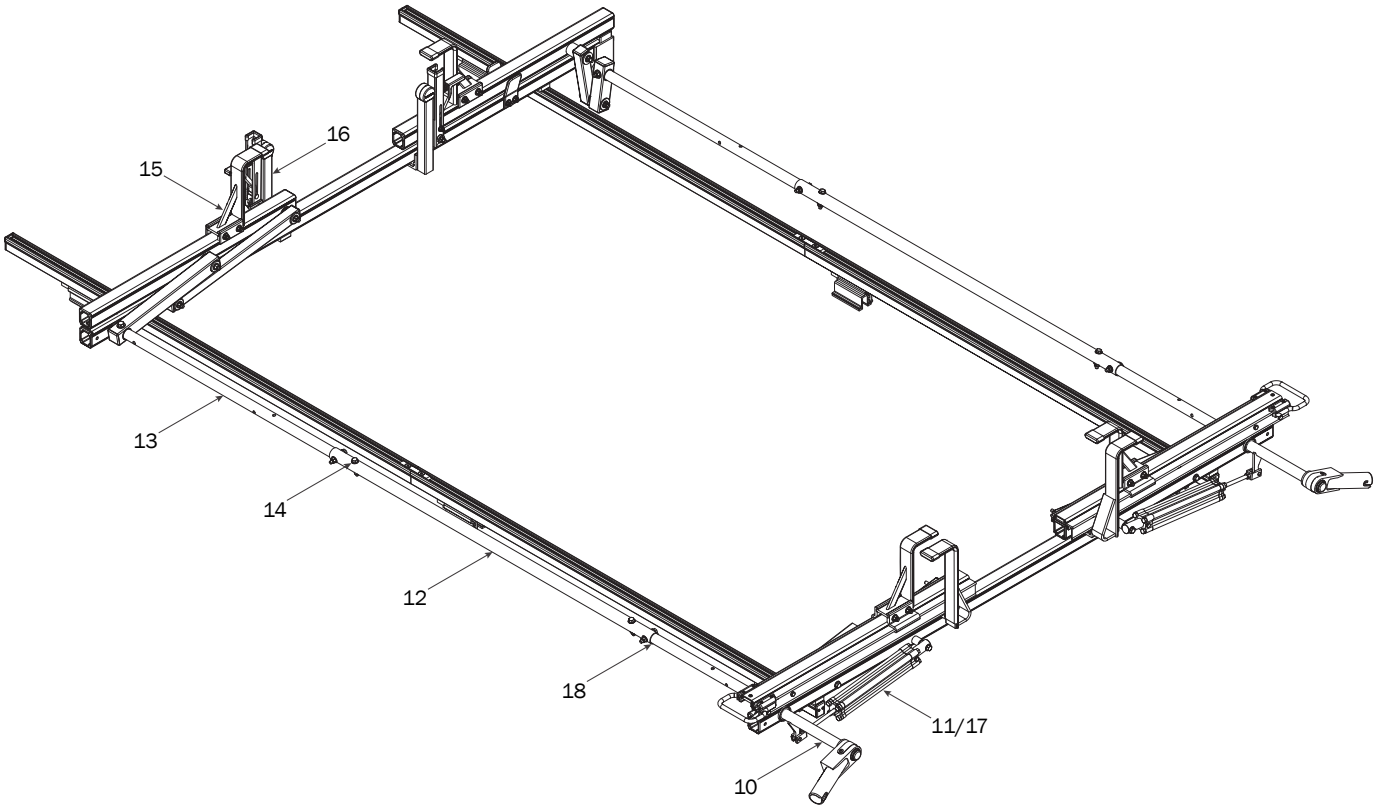


PRIME DESIGN™ A Safe Fleet Brand

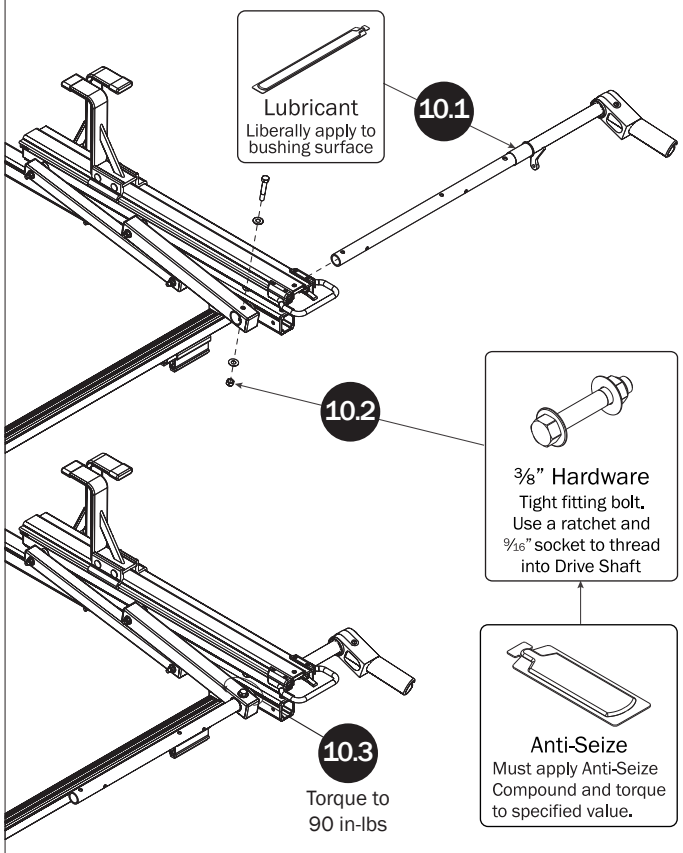
PRIME DESIGN, A SAFE FLEET BRAND ▪ Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 ▪ Phone: 651-552-8554 ▪ Toll Free: 1.8.PRIME.RACK ▪ Fax: 651-552-1799 ▪ Email: info@primedesign.net ▪ Website: www.primedesign.net

TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

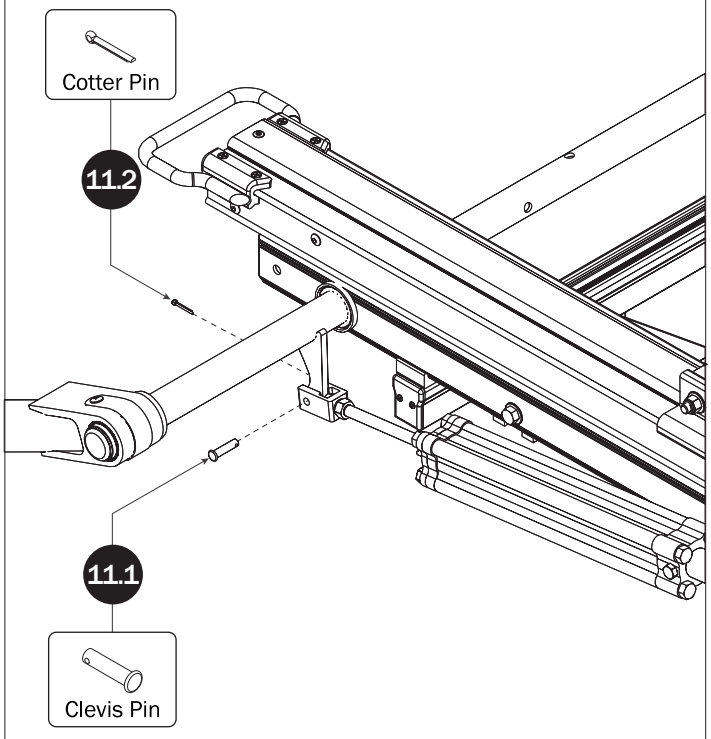
LEFT ROTATION ASSEMBLY



REAR DRIVE SHAFT



CYLINDER HARDWARE

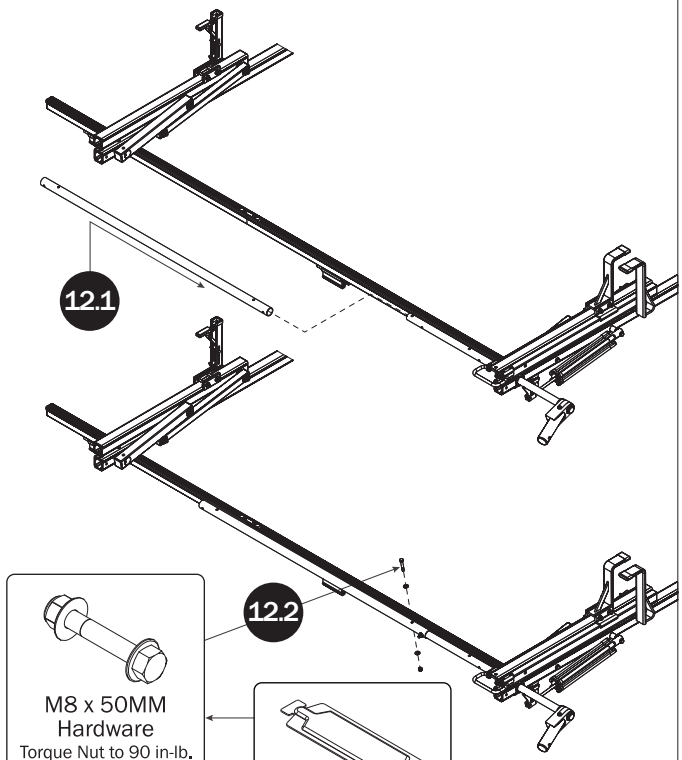


PRIME DESIGN™ A Safe Fleet Brand

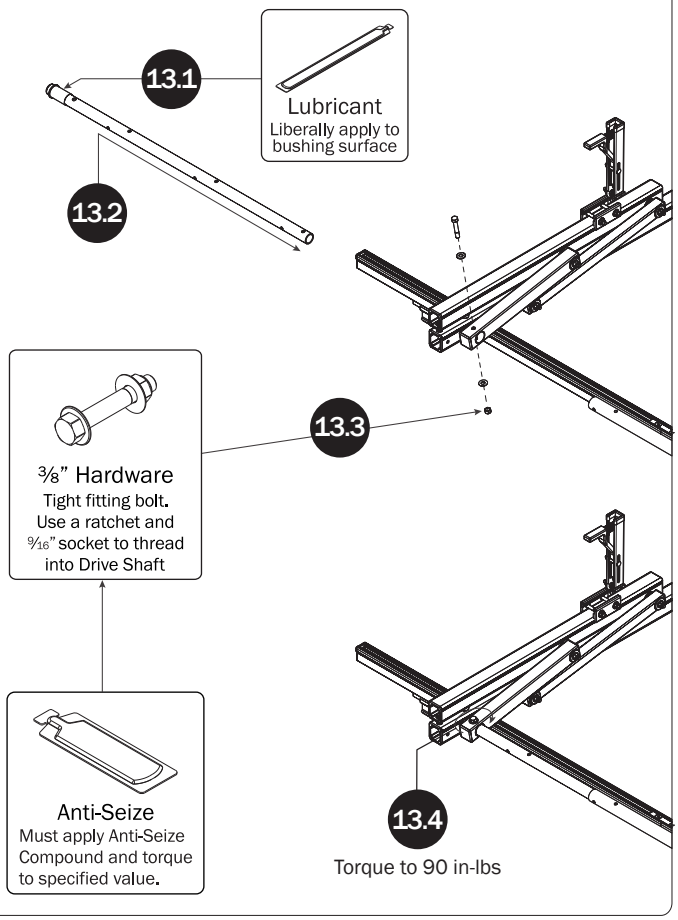
PRIME DESIGN, A SAFE FLEET BRAND • Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 • Phone: 651-552-8554 • Toll Free: 1.8.PRIME.RACK • Fax: 651-552-1799 • Email: info@primedesign.net • Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

PRIME DESIGN™
A Safe Fleet Brand

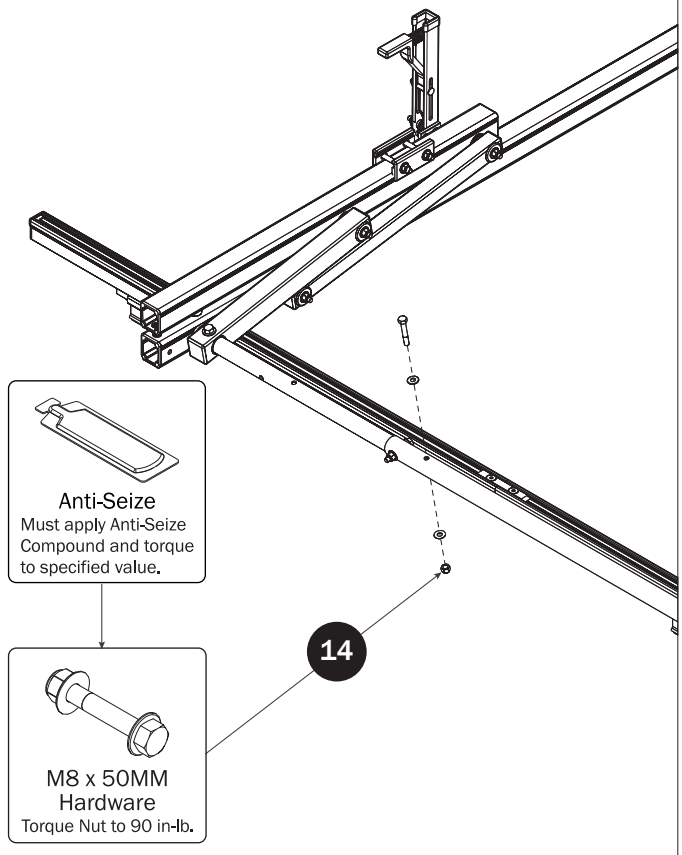
CONNECTING BAR



FRONT DRIVE SHAFT

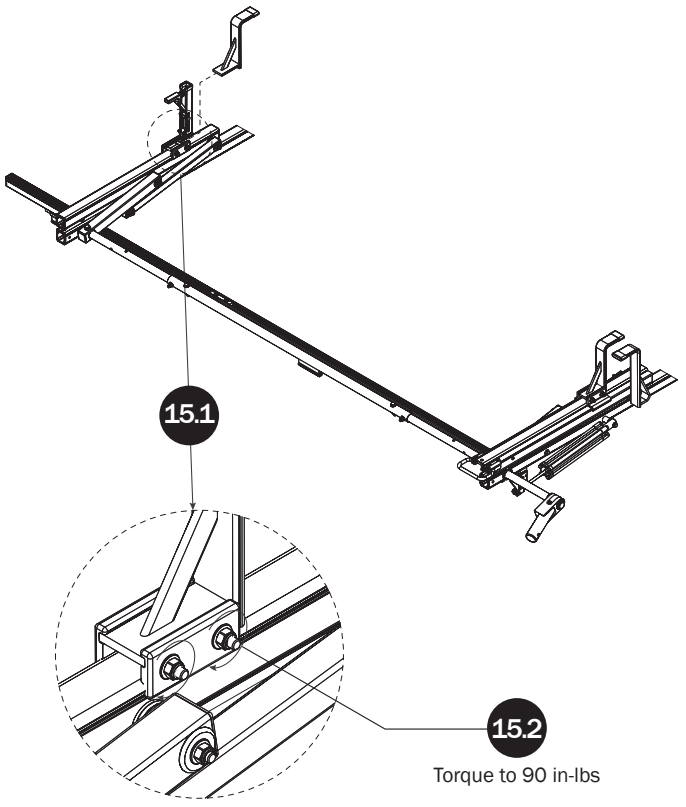


CONNECTING BAR FASTENERS



Z POSTS

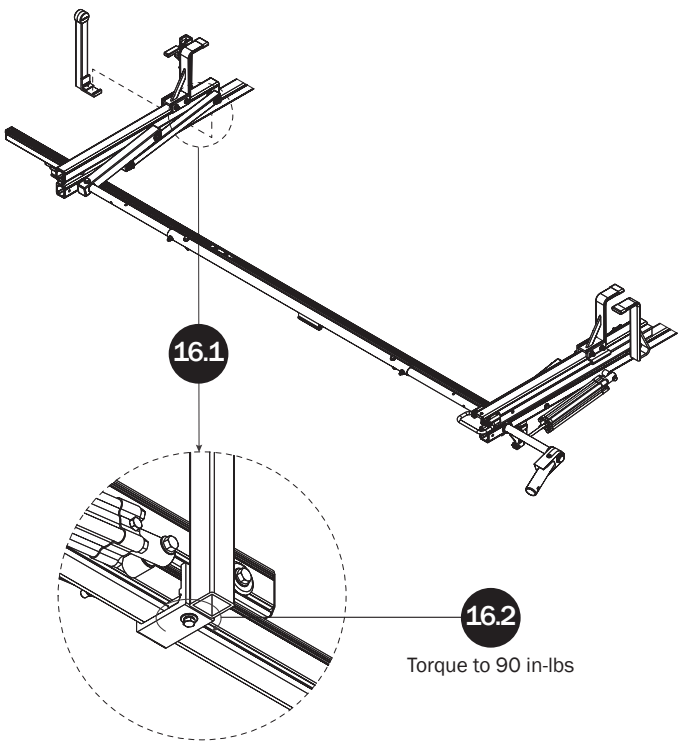
SEE QUICK START GUIDE FOR ADJUSTMENTS



TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING

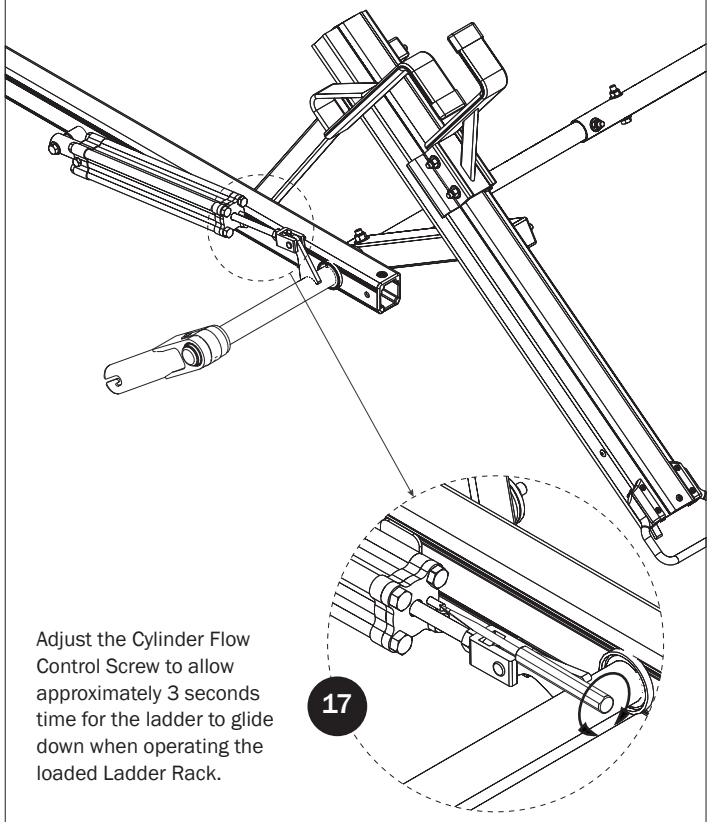
L POSTS

SEE QUICK START GUIDE FOR ADJUSTMENTS



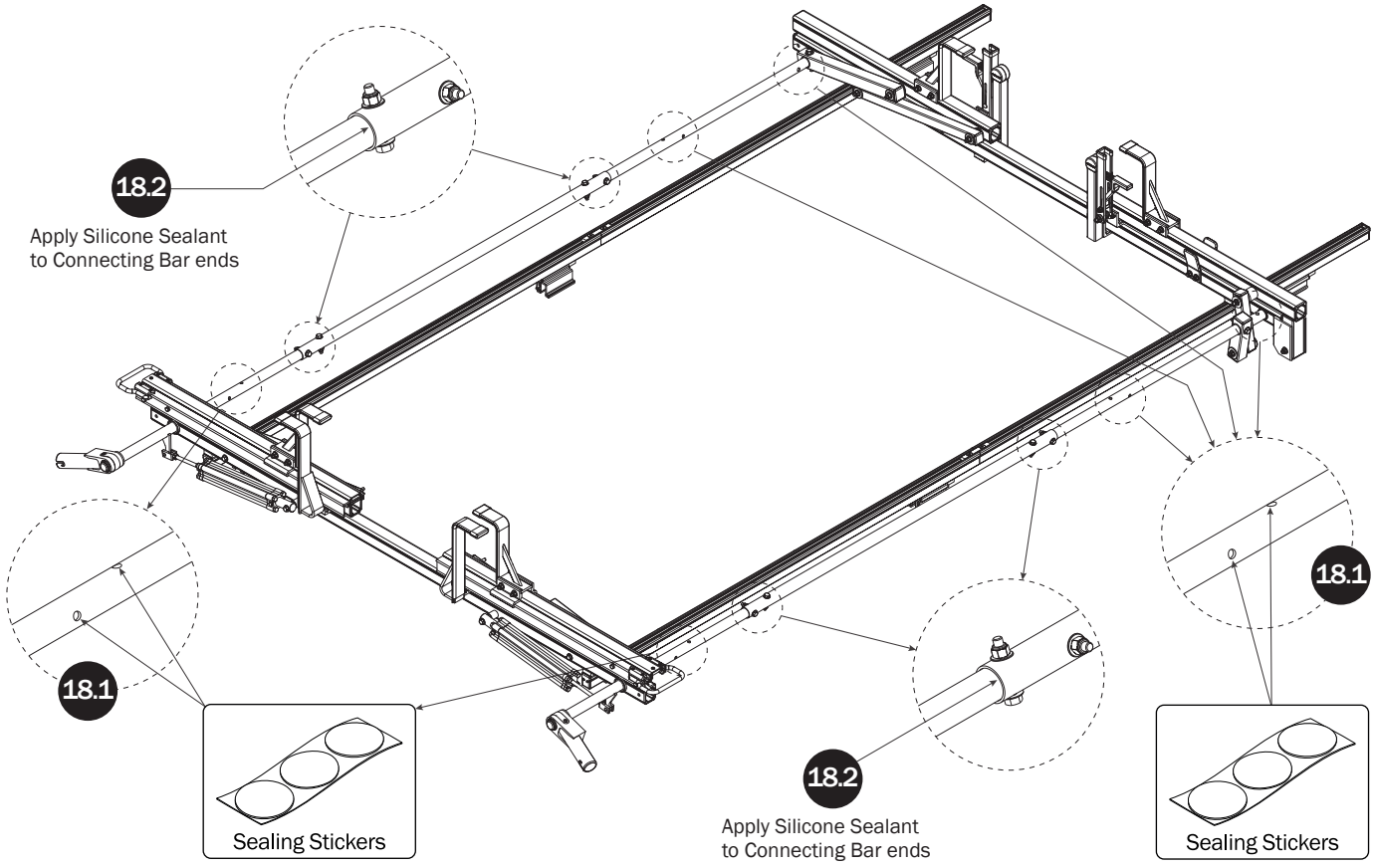
Torque to 90 in-lbs

CYLINDER ADJUSTMENT



Adjust the Cylinder Flow Control Screw to allow approximately 3 seconds time for the ladder to glide down when operating the loaded Ladder Rack.

DRIVE SHAFT SEALING



Apply Silicone Sealant to Connecting Bar ends

Apply Silicone Sealant to Connecting Bar ends

PRIME DESIGN, A SAFE FLEET BRAND • Address: 1689 Oakdale Avenue #102, West St Paul, Minnesota 55118 • Phone: 651-552-8554 • Toll Free: 1.8.PRIME.RACK • Fax: 651-552-1799 • Email: info@primedesign.net • Website: www.primedesign.net
TM & © 2019 PRIME DESIGN. PROTECTED BY ONE OR MORE OF THE FOLLOWING PATENT NO.'s 6764268, 6971563, 2364879, 8857689, 8511525, 8991889, 2271515, 2364897, 9506292, 9481313, 9481314, 9796340, 6202807, 6427889, 9415726 AND OTHER PATENTS PENDING