

# PROLIFT MAX DROP 4' DRIVERS SIDE LOW TOPPER LADDER RACKS

**PRODUCT WEIGHT**

**63.5 LBS**

**WIDTH X DEPTH X HEIGHT**

**82.00" X 32.00" X4.00"**

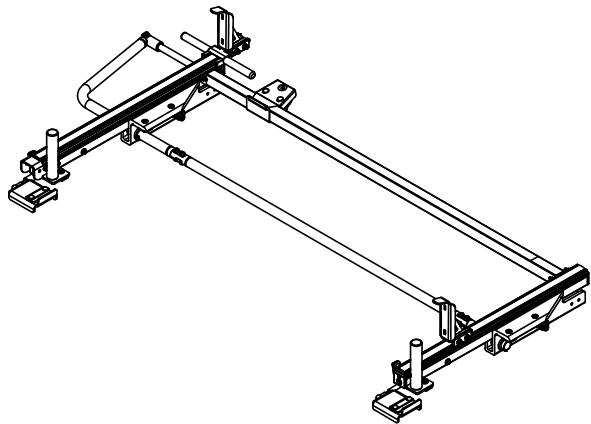
**CAPACITY**

**SINGLE LADDER**

**COLOR**

**WHITE/BLACK**

**CATALOG NUMBER**



**PLMDDSLT4W, PLMDDSLT4B**

## PRODUCT FEATURES

ProLift™ Max Drop LOW Topper racks can be used on ADRIAN STEEL BIFF, LEER, UNICOVER and ARE truck toppers with bed lengths from 4'6" - 6'1" with appropriate rail kit, crossbow kit and mounting bracket kit. Use rail kits, crossbow kits, and mounting bracket kits listed in the table below to create new rack combinations. These racks include an attached handle.

The Max-Drop ProLift™ has a single function that lowers the ladder to a single set height and a secondary function that lowers the rear of the ladder even further to a safer more ergonomic height. Most similar to our previous DDLR drop-down series.

Unicover Toppers will use roof rail kits ending in UC (Ex. 4'6" Unicover topper would use RRKTOP55UC)

Ignore the roof rail kit when ordering racks for ASC BIFF toppers as they ship with pre-installed rails.

Commercial Part Numbers							
Vehicle Platform	Bed Length	Bed Length (in)	Roof Rail Kit	Crossbow kit	Mounting Bracket Kit	Pro-Lift (Passenger Side)	Pro-Lift (Drivers Side)
Maverick	4'6"	54"	RRKTOP55/UC	2BARTOPW	MAVRMBK4W	PLSDPSLT4	PLSDDSLT4
All	4'10" - 5'6"	58" - 66"	RRKTOP58/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4
All	5'7" - 6'1"	67"-73"	RRKTOP67/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4

**NOTE: CROSSBAR KIT IS DIFFERENT FOR COMBO WITH GRIPLOCK. IN THIS CASE, USE 2BAR53W/B**

**SEE PAGE 2 FOR APPLICATION NOTES, ACCESSORIES AND OTHER PRODUCTS THAT WORK WITH THIS UNIT.**

**PAGE 1 OF 2**

# PROLIFT MAX DROP 4' DRIVERS SIDE LOW TOPPER LADDER RACKS

## CATALOG NUMBER

**PLMDDSLT4W, PLMDDSLT4B**

## PRODUCT APPLICATION

**TOPPER PROLIFT LADDER RACKS ARE FOR USE ON PICKUP TRUCK BED TOPPERS,  
AVAILABLE IN 4 FT,5 FT, AND 6 FT LENGTHS FOR ALL DIFFERENT SIZE TRUCK BEDS.**

**Reduce back and shoulder injuries while loading/unloading ladders by  
eliminating the need to climb on bumpers and tires to reach the cargo on the  
roof of your vehicle.**

**The ProLift™ uses unique, patent-pending, mechanical advantages, and  
high-performing spring assist struts to raise and lower ladders with an almost  
effortless pull.**

## ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION (smart)
RRKTOP55	ROOF RAIL KIT, TOPPER, 55"
RRKTOP58	ROOF RAIL KIT, TOPPER, 58"
RRKTOP67	ROOF RAIL KIT, TOPPER, 67"
RRKTOP55UC	ROOF RAIL KIT, TOPPER, 55" UNICOVER
RRKTOP58UC	ROOF RAIL KIT, TOPPER, 58" UNICOVER
RRKTOP67UC	ROOF RAIL KIT, TOPPER, 67" UNICOVER
2BARTOPW / B	2BAR UTILITY RACK, TOP
2BAR53W / B	2BAR, CROSSBOW, 53"
URMBK4W / B	UTILITY, MNT BKT KT, RAIL
PLMDPSLT4W/B	PROLIFT, MAX, PS, LOW TOP, 4
GL-TOPPSW / B	GRIP-LOCK, TOP PS

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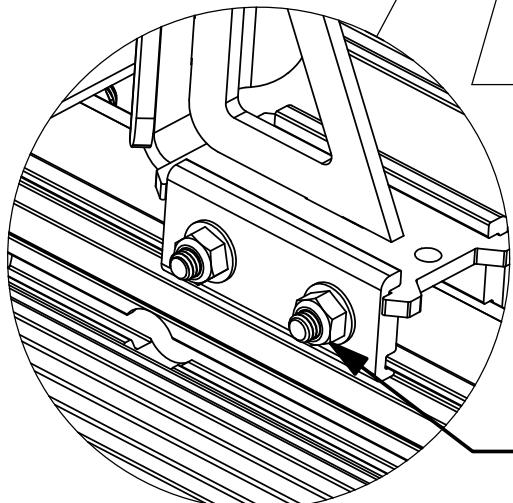
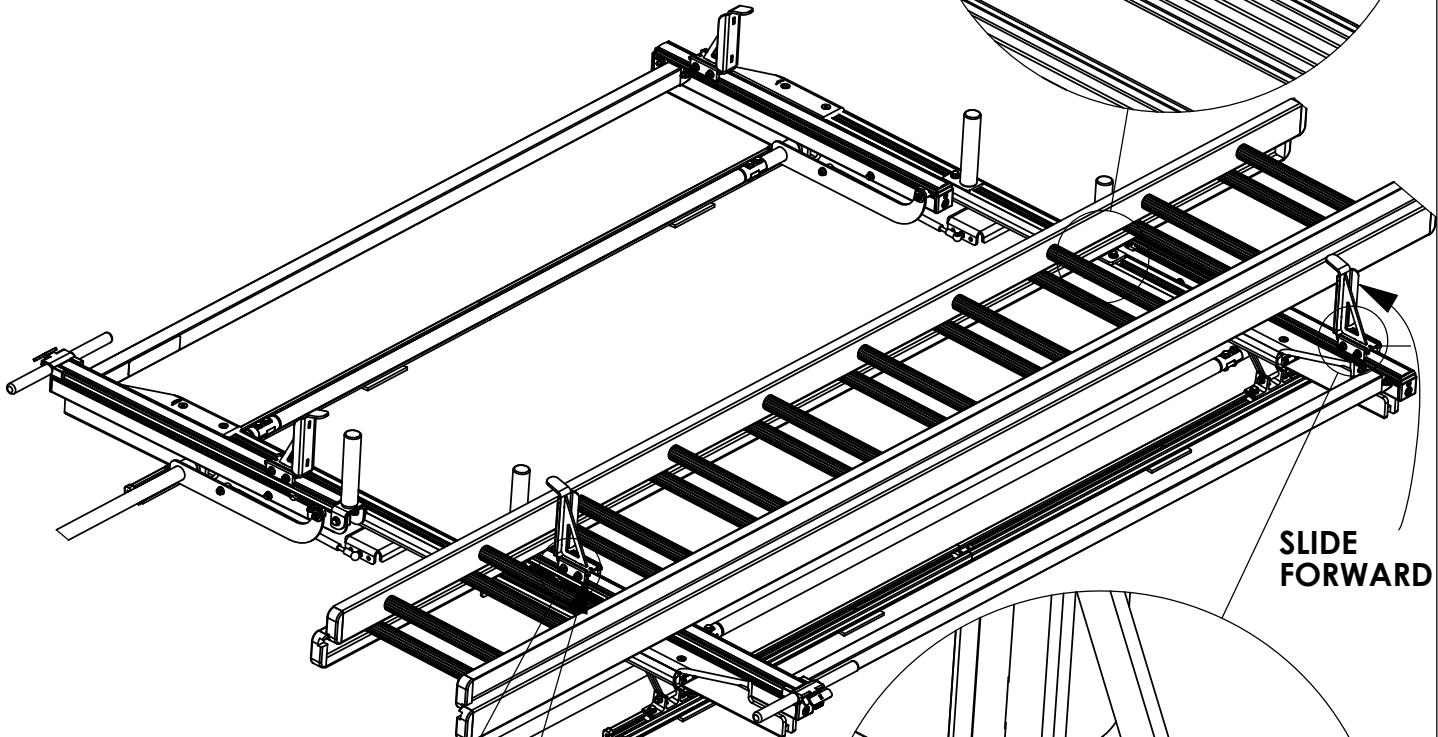
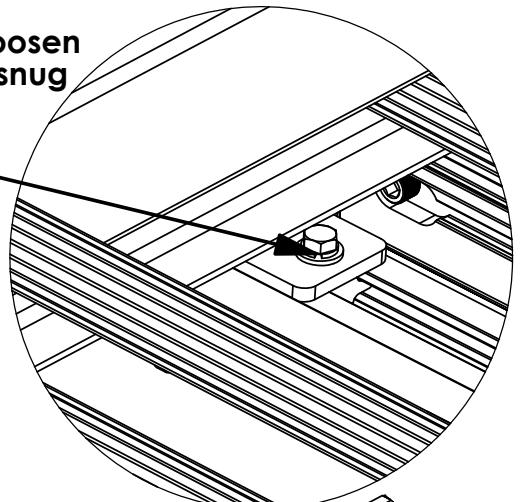
INSTR.  
NUMBER : **69483**

PG: **1** REV:  
**A**

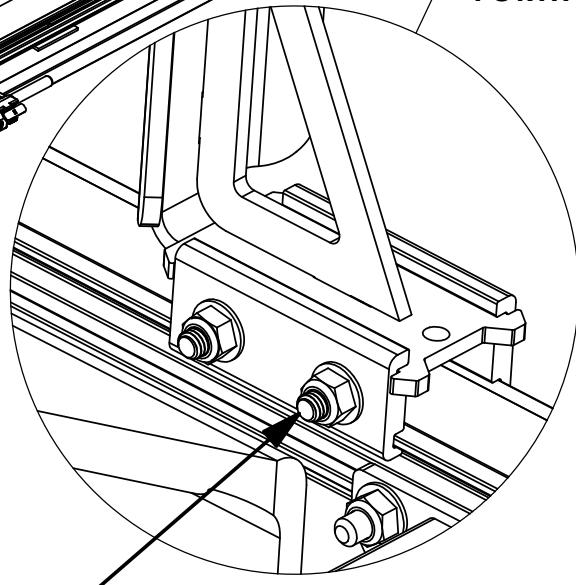
PART • **Max Drop ProLift -**  
NUMBER • **Low & Mid-Roof**

PART • ProLift Low & Mid-Roof  
DESC. • Adjustment Instructions

**Step 2: With 1/2" Socket loosen  
nut, slide post so that it is snug  
against ladder  
Tighten nut**



**Step 1: With 1/2" Socket loosen nuts (x2)  
slide clamp so that it is snug against ladder  
Tighten nuts (X2)**



**Step 3: With 1/2" Socket loosen  
nuts (x2) slide clamp so that it is  
snug against outside of ladder  
Tighten nuts (X2)**

**Once all brackets are adjusted operate rack to make sure clamps are not too tight**

INSTR. NUMBER : **70119**

PG: **1** REV: **C**

PART NUMBER : **PLMDPSLT & PLMDDSLT**

PART • **PROLIFT,MAX,PS,LT**  
DESC. • &  
**PROLIFT,MAX,DS,LT**

**NOTE: DRIVE LINE LIST**

**16**

KIT PART NO.	DRIVE LINE
PLMDDSLT4	70323-B
PLMDPSLT4	7321-B
PLMDDSLT5	68419-B
PLMDPSLT5	68414-B
PLMDDSLT6	66563-B
PLMDPSLT6	66572-B

**NOTE: FRONT DROP DOWN CART.**

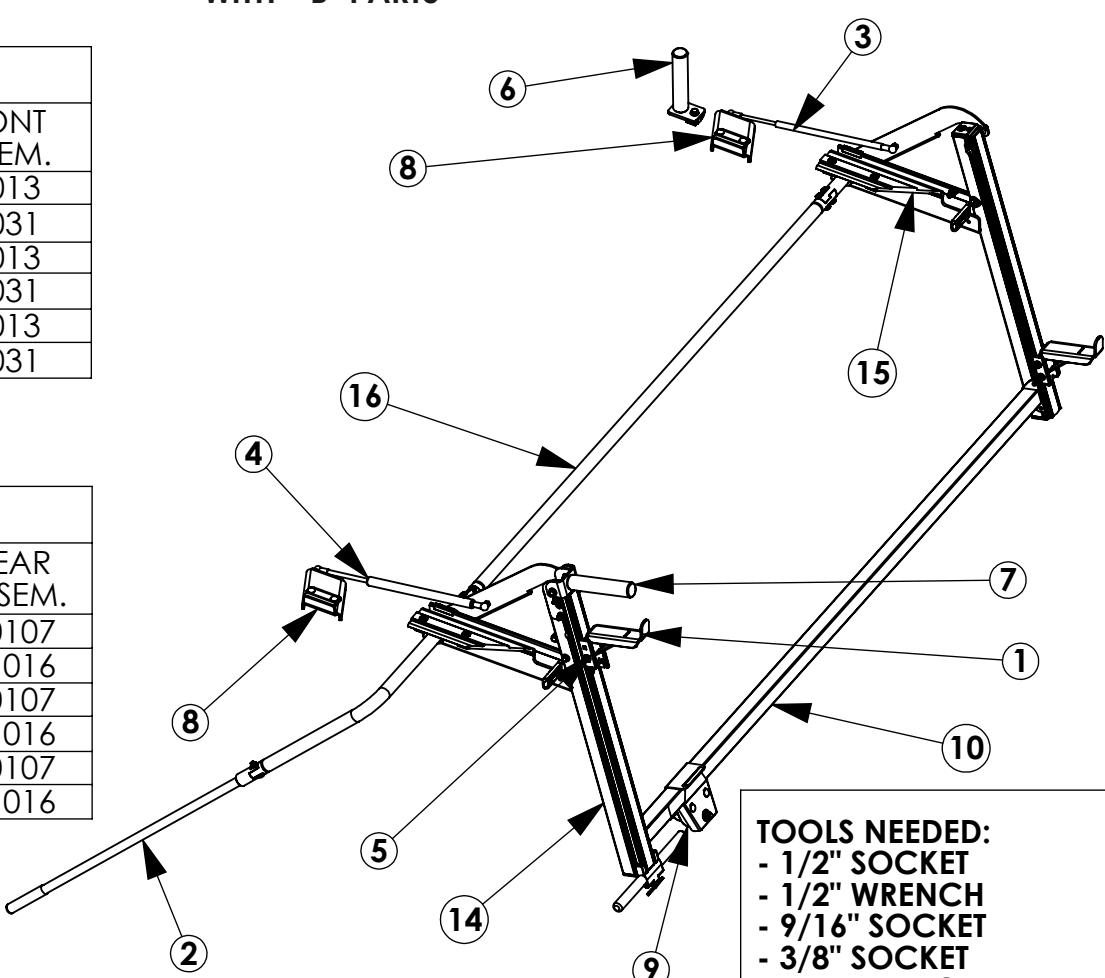
**15**

KIT PART NO.	FRONT ASSEM.
PLMDDSLT4	68013
PLMDPSLT4	68031
PLMDDSLT5	68013
PLMDPSLT5	68031
PLMDDSLT6	68013
PLMDPSLT6	68031

**NOTE: REAR DROP DOWN CART.**

**14**

KIT PART NO.	REAR ASSEM.
PLMDDSLT4	70107
PLMDPSLT4	71016
PLMDDSLT5	70107
PLMDPSLT5	71016
PLMDDSLT6	70107
PLMDPSLT6	71016



**\*\*IF BUILDING A DUAL SIDED RACK BUILD BOTH SIDES IN PARALLEL FOR EACH STEP. IF BUILDING SINGLE SIDED REFER TO ONLY THAT SIDE WHEN BUILDING.\*\***

**TOOLS NEEDED:**

- 1/2" SOCKET
- 1/2" WRENCH
- 9/16" SOCKET
- 3/8" SOCKET
- DRIVE RATCHET
- 7/32" ALLEN WRENCH
- 3/16" ALLEN WRENCH
- 13mm WRENCH
- TAPE MEASURE
- RUBBER MALLET
- IMPACT DRIVER

**GET TO KNOW THE VEHICLE** - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

**SEAL ALL EXTERIOR HOLES** - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

**CONTROL DRILL DEPTH** - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

**ALWAYS ADD PRIMER** - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

**MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT** - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

**PROVIDE CLEARANCE FOR SPACERS** - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**PLUSNUT INSTALLATION** - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

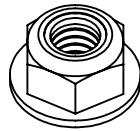
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

PAGE:

**3**

**FASTENERS AND HARDWARE USED**

BAG REFERENCE: BAG68181 & BAG68182



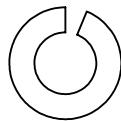
FAS0861  
NUT,HEX NLK FLG 5/16-18  
QTY: 20



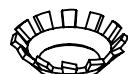
FAS0110  
NUT,HEX NLK 3/8-16  
QTY: 01



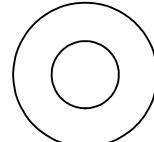
FAS0399  
NUT,HEX NLK LT 3/8-16  
QTY: 01



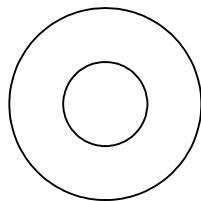
FAS0588  
WASHER,LCK SPLIT 5/16  
QTY: 03



FAS0857  
WASHER,LCK EXT CS 5/16  
QTY: 04



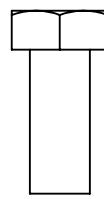
FAS0552  
WASHER,FLAT USS 5/16  
QTY: 09



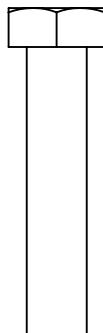
FAS0720  
WASHER,FLAT USS 3/8  
QTY: 01



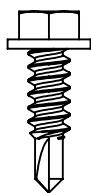
FAS0283  
SCREW,HH 5/16-18X.875  
QTY: 03



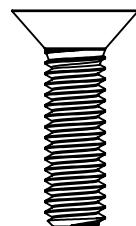
FAS0799  
SCREW,HH 5/16-18X.75  
QTY: 02



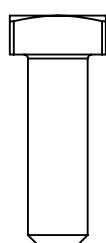
FAS0242  
SCREW,HH 5/16-18X1.5  
QTY: 04



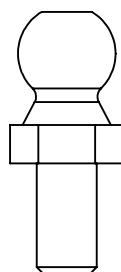
FAS0473  
SCREW,HH TEK #12X.75  
QTY: 04



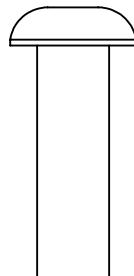
FAS0856  
SCREW,FHH 5/16-18X1.13  
QTY: 04



FAS0035  
BOLT,SQ HD 5/16-18X1.0  
QTY: 02



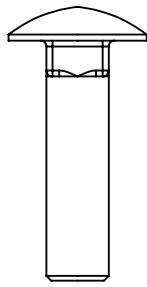
34927-0  
BALL STUD 13MM X 5/16-18  
QTY: 02



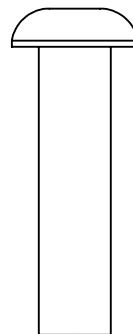
FAS0701  
SCREW,BHCS 3/8-16X1.25  
QTY: 01

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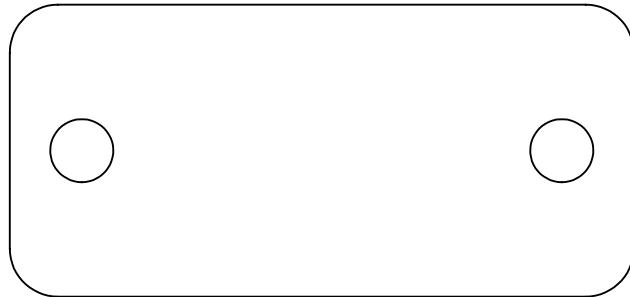
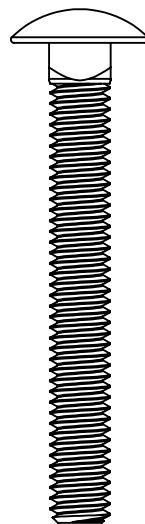
**FASTENERS AND HARDWARE USED**



FAS0812  
BOLT,CRG 5/16-18X1.25  
QTY: 04

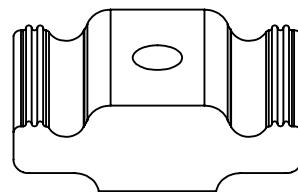


FAS0819  
SCREW,BHCS 3/8-16X1.5  
QTY: 01

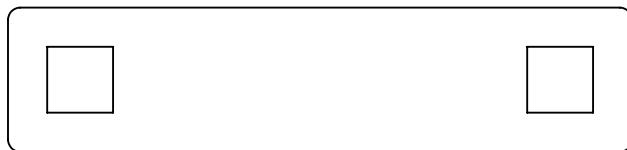


64831  
REAR ROLLER, SPACER  
QTY: 02

FAS0838  
BOLT,CRG 5/16-18X2.5  
QTY: 04



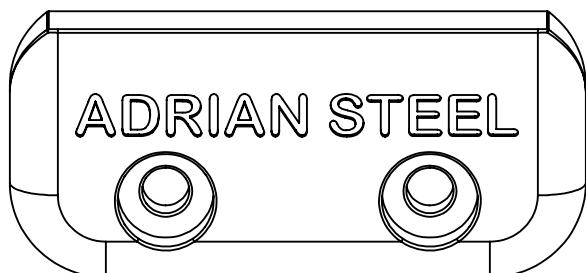
63490  
RAIL SLIDE, 1"  
QTY: 05



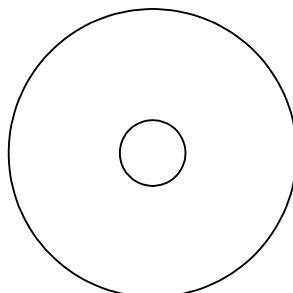
64830  
REAR ROLLER, BOLT PLATE  
QTY: 02



34928-0  
CLIP, SPRING, RETAINER, 13MM  
QTY: 04



65961  
DROP DOWN END CAP  
QTY: 02



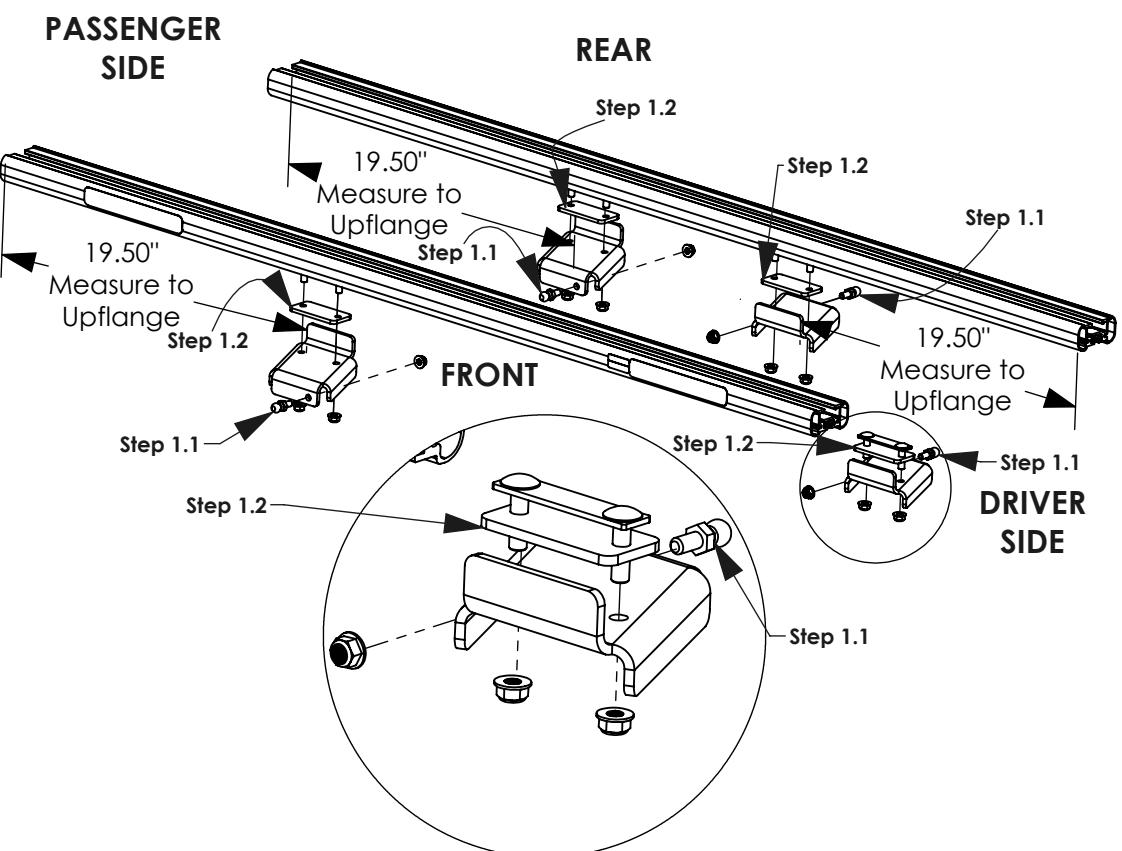
**DISCARD** FAS0603  
SCREW,HH 5/16-18X.875  
QTY: 01

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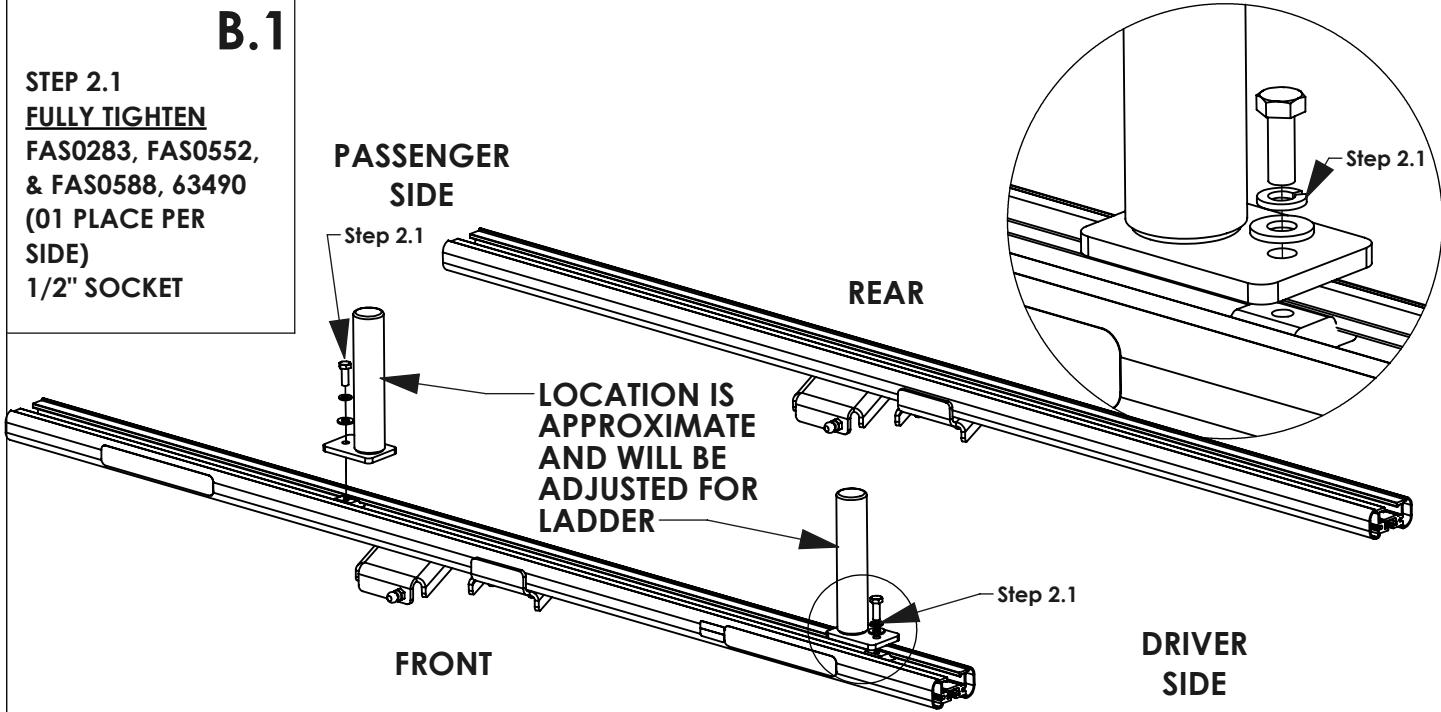
**STEP 1 - MOUNT DAMPER BRACKETS****A.2**

**Step 1.1**  
**FULLY TIGHTEN**  
**34927-0 & FAS0861**  
**(02 PLACES PER SIDE)**  
**13mm WRENCH**  
**1/2" SOCKET**

**STEP 1.2**  
**FULLY TIGHTEN**  
**(02) FAS0812, 64830, 64831, &**  
**(02) FAS0861**  
**(02 PLACES PER SIDE)**  
**1/2" SOCKET**

**STEP 2 - MOUNT INNER STOPS TO FRONT CROSSBOW****B.1**

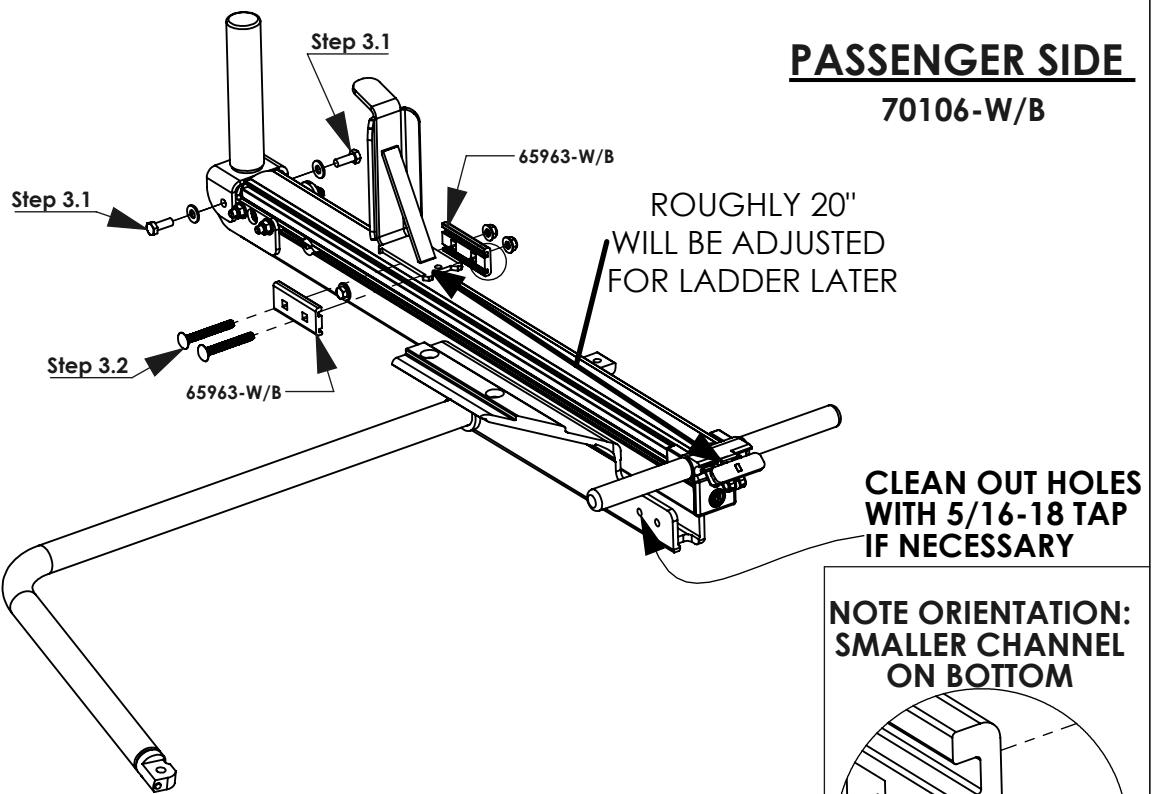
**STEP 2.1**  
**FULLY TIGHTEN**  
**FAS0283, FAS0552, & FAS0588, 63490**  
**(01 PLACE PER SIDE)**  
**1/2" SOCKET**



## STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

### REAR SUB-ASSEMBLY

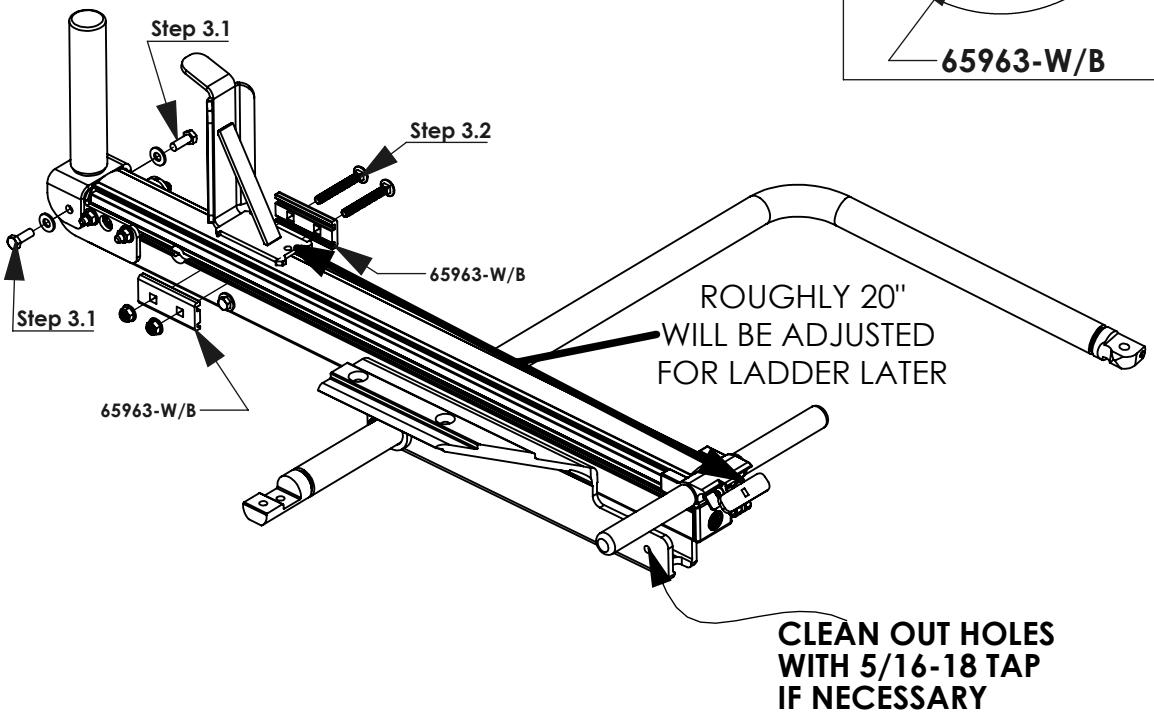
STEP 3.1  
**FULLY TIGHTEN**  
 FAS0283, FAS0552,  
 & FAS0861  
 (02 PLACES)  
 1/2" WRENCH  
 1/2" SOCKET



STEP 3.2  
**FULLY TIGHTEN**  
 FAS0838 &  
 FAS0861  
 (02 PLACES)  
 1/2" SOCKET

### DRIVER SIDE

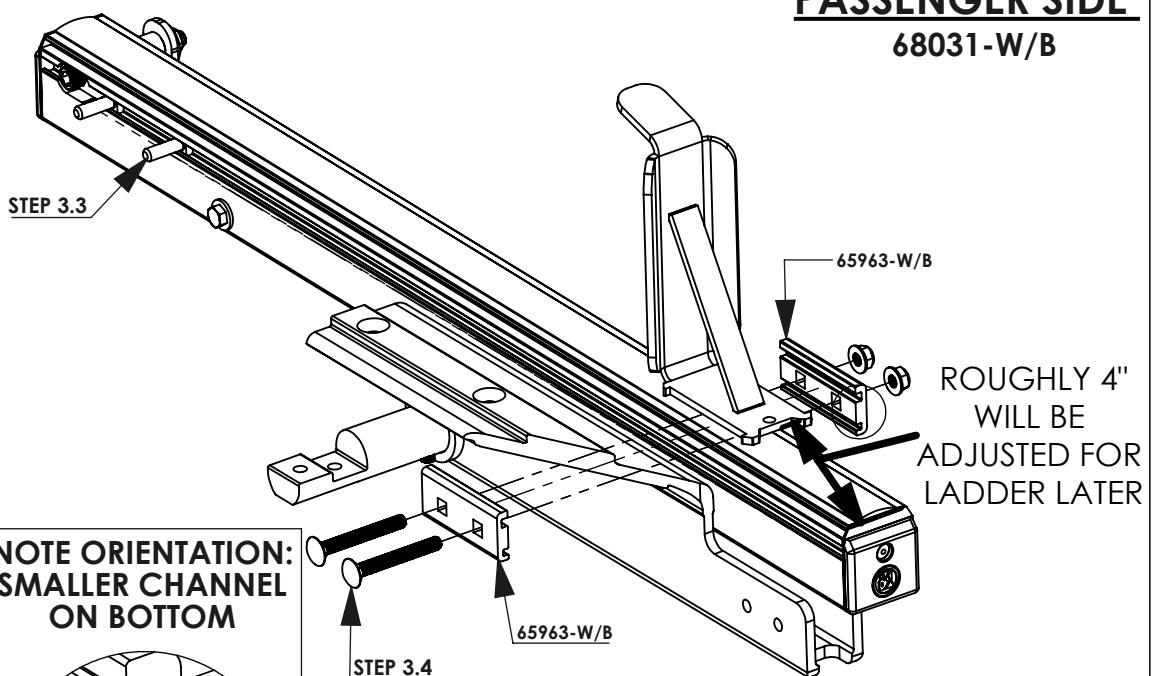
70107-W/B



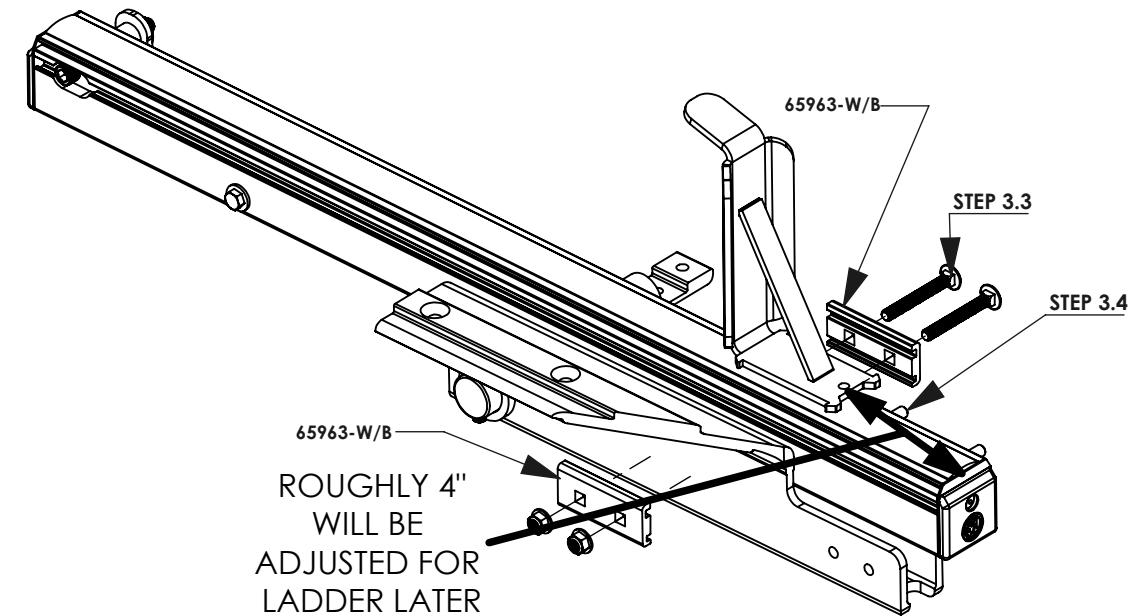
## STEP 3 CONTINUED

FRONT SUB-ASSEMBLYPASSENGER SIDE

68031-W/B

DRIVER SIDE

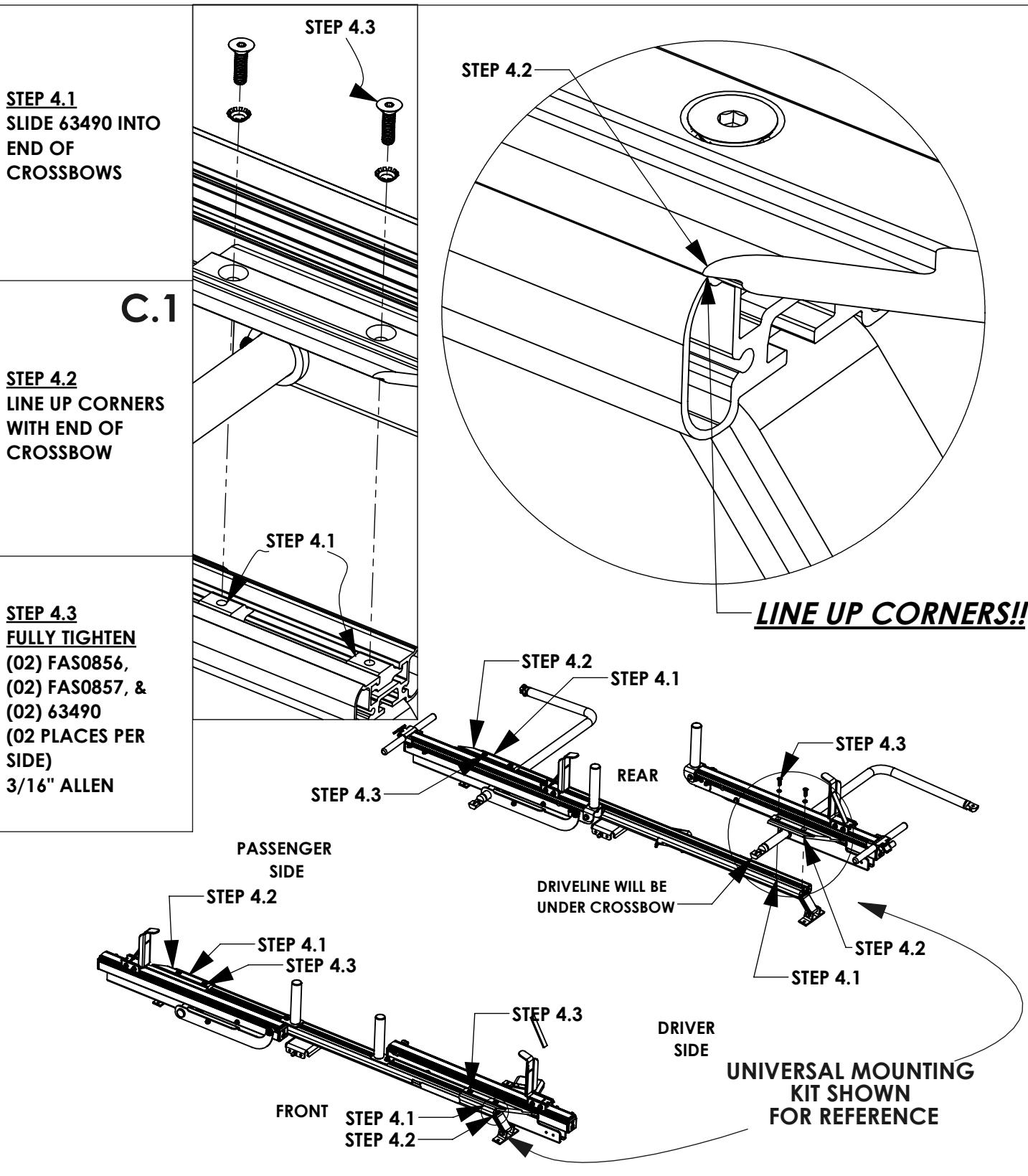
68013-W/B





**REFERENCE INSTALLATION GUIDE 68895 TABLES 1-3**  
**INSTALLATION OF A.1, A.2, B.1, & B.2 SHOULD BE**  
**COMPLETE BEFORE PROCEEDING TO STEP 4**

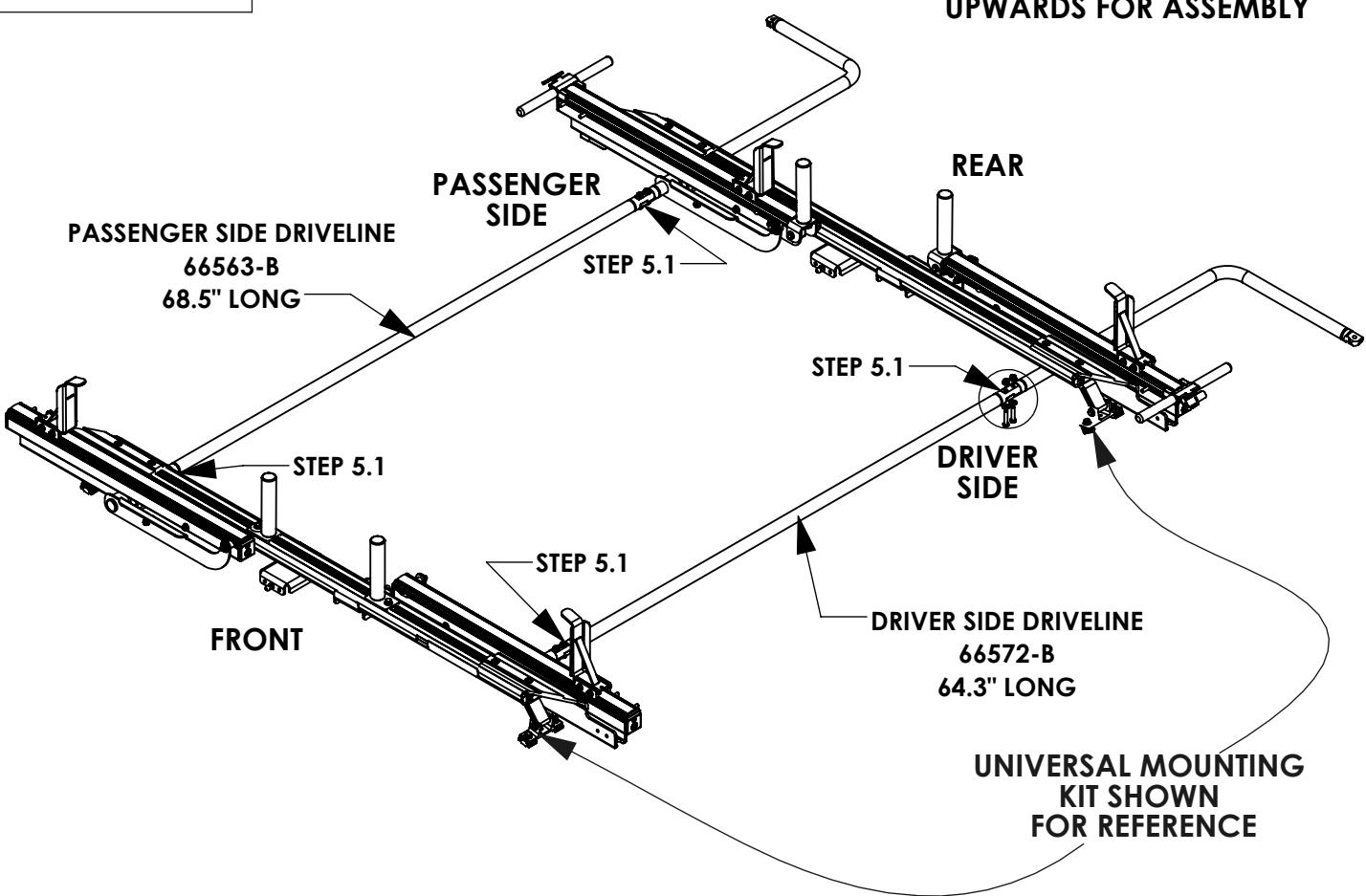
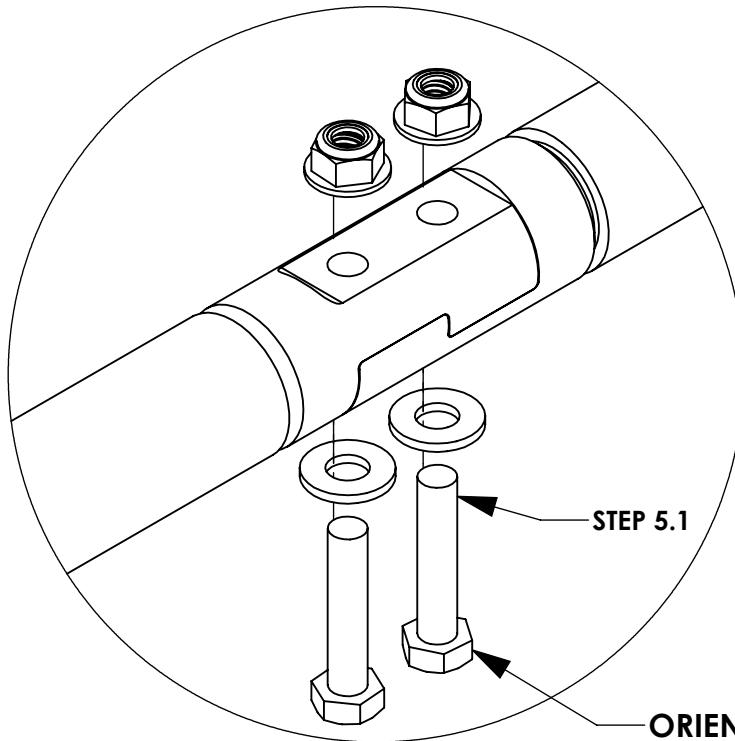
**STEP 4 - INSTALL CARTRIDGES ON CROSSBOWS**



**STEP 5 - INSTALL DRIVELINE**

**STEP 5.1**  
**FULLY TIGHTEN**  
**FAS0242, FAS0552**  
**& FAS0861**  
**(04 PLACES PER**  
**SIDE)**  
**1/2" WRENCH**  
**1/2" SOCKET**

**BEST PRACTICE:**  
WHEN INSTALLING  
BOLTS OPEN RACK  
ROUGHLY 45  
DEGREES FOR  
EASIER ACCESS &  
INSTALLATION



## STEP 6 - DEPLOY RACK & INSTALL DAMPERS AND DROP DOWN HANDLE

## Step 6.1

ATTACH EXTENSION DAMPERS (48625) TO BALL STUDS.

ORIENTATION OF DAMPER MATTERS!!!  
(01 PLACE PER SIDE)

## Step 6.2

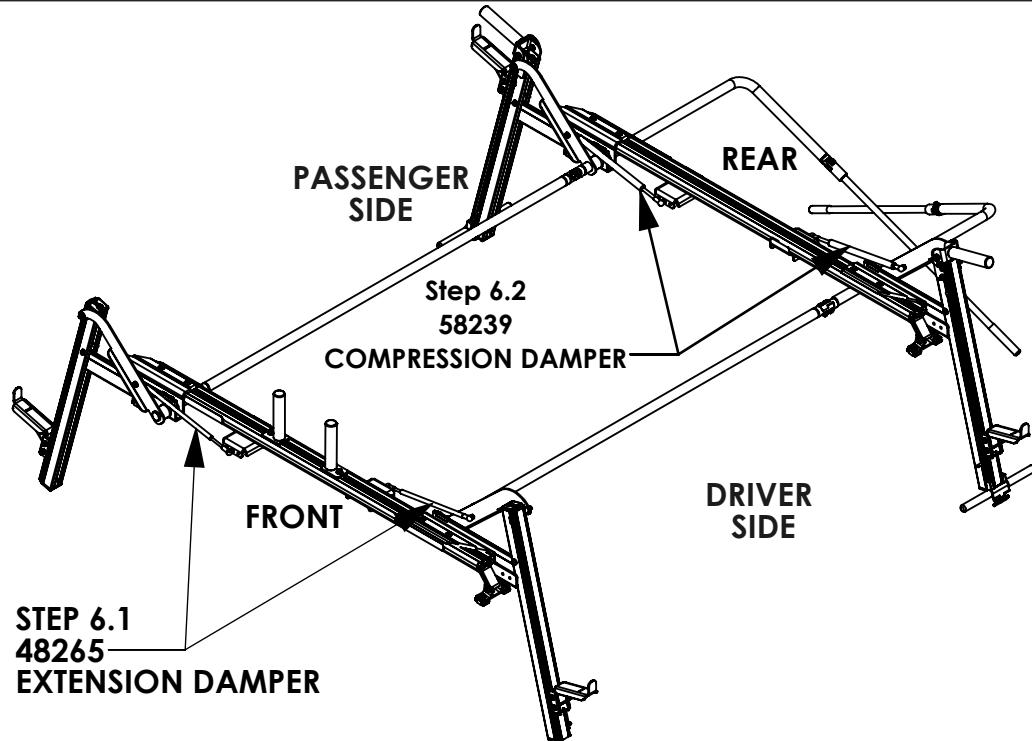
ATTACH COMPRESSION DAMPERS (58239) TO BALL STUDS.

ORIENTATION OF DAMPER MATTERS!!!  
(01 PLACE PER SIDE)

## Step 6.3

INSERT LOCKING PINS (34928-0) AFTER MOUNTING DAMPERS TO BALL STUDS

(04 PLACES PER SIDE)



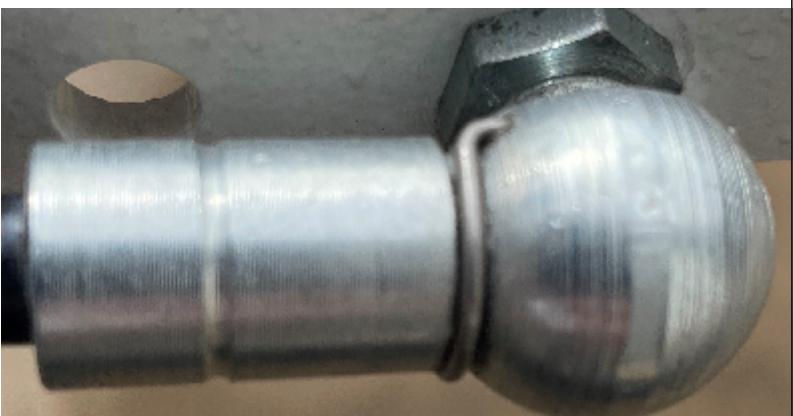
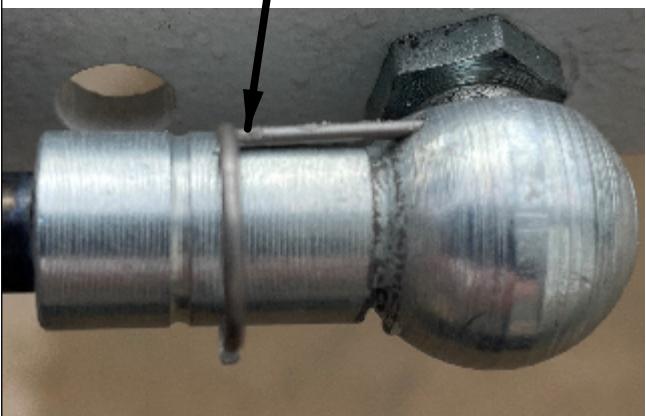
### ORIENTATION OF DAMPER MATTERS!!!!



LARGE CYLINDER OF DAMPER ATTACHES TO ARM  
SMALL ROD END ATTACHES TO DAMPER BRACKET

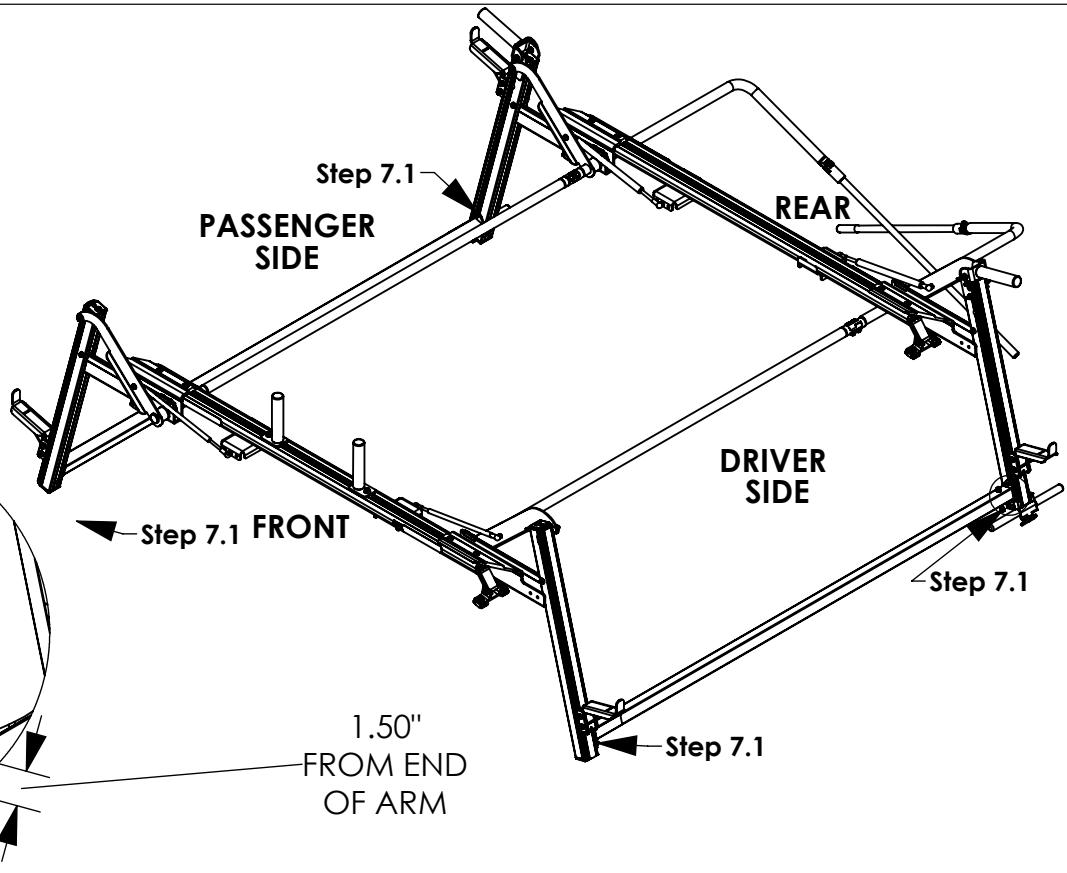
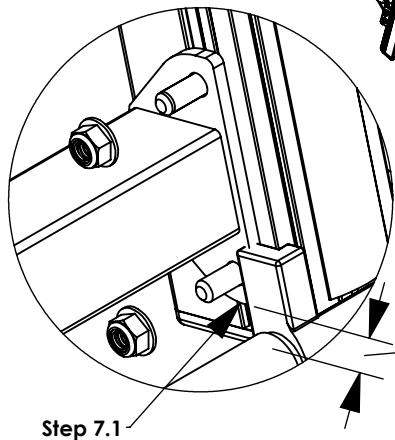
58239 REAR OF RACK  
48265 FRONT OF RACK

Step 6.3  
34928-0

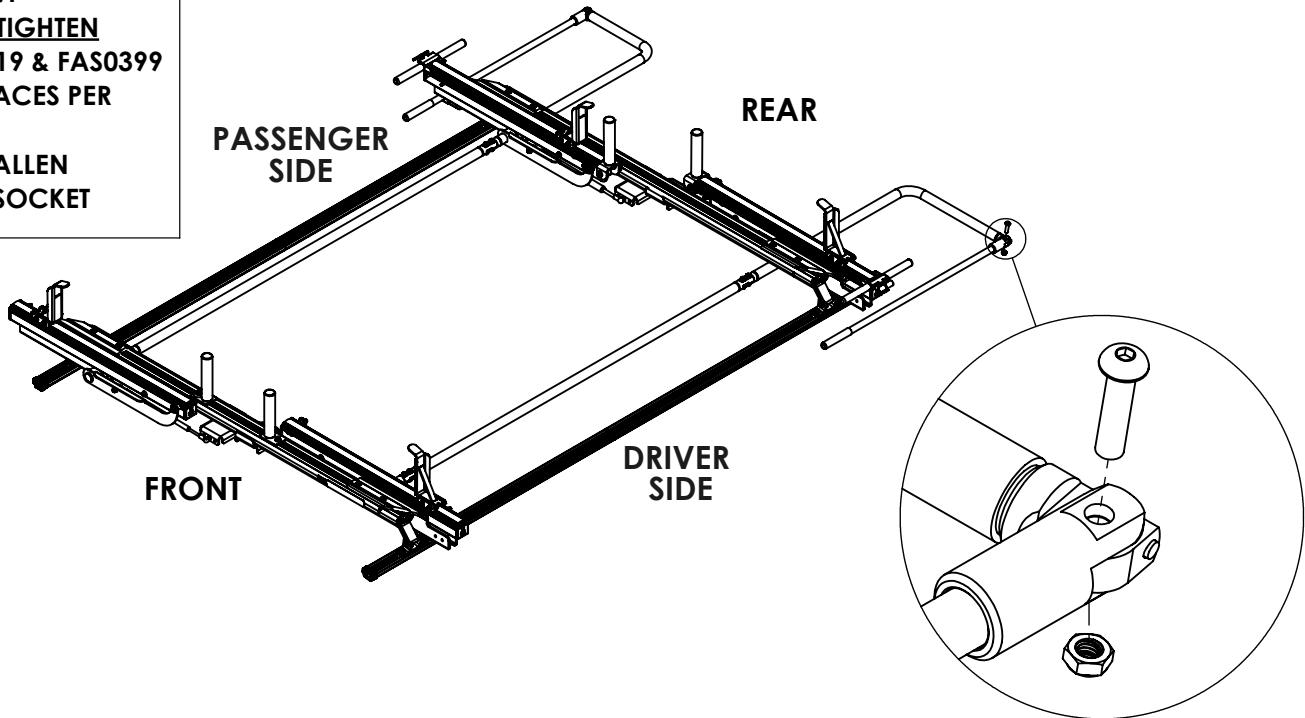


**STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR**

Step 7.1  
**FULLY TIGHTEN**  
FAS0861  
(04 PLACES PER  
SIDE)  
1/2" SOCKET

**STEP 8 - INSTALL DROP DOWN HANDLE**

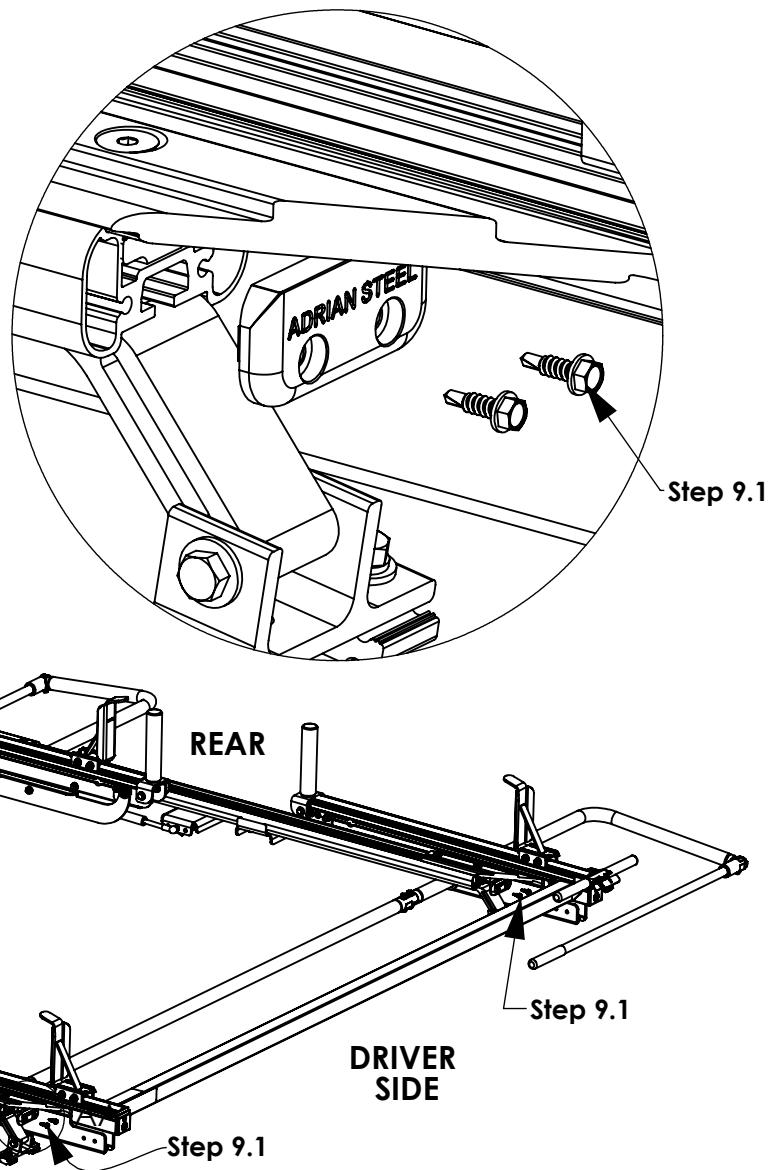
Step 8.1  
**FULLY TIGHTEN**  
FAS0819 & FAS0399  
(01 PLACES PER  
SIDE)  
7/32" ALLEN  
9/16" SOCKET



**MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE**

## STEP 9 - INSTALL CROSSBOW END CAPS

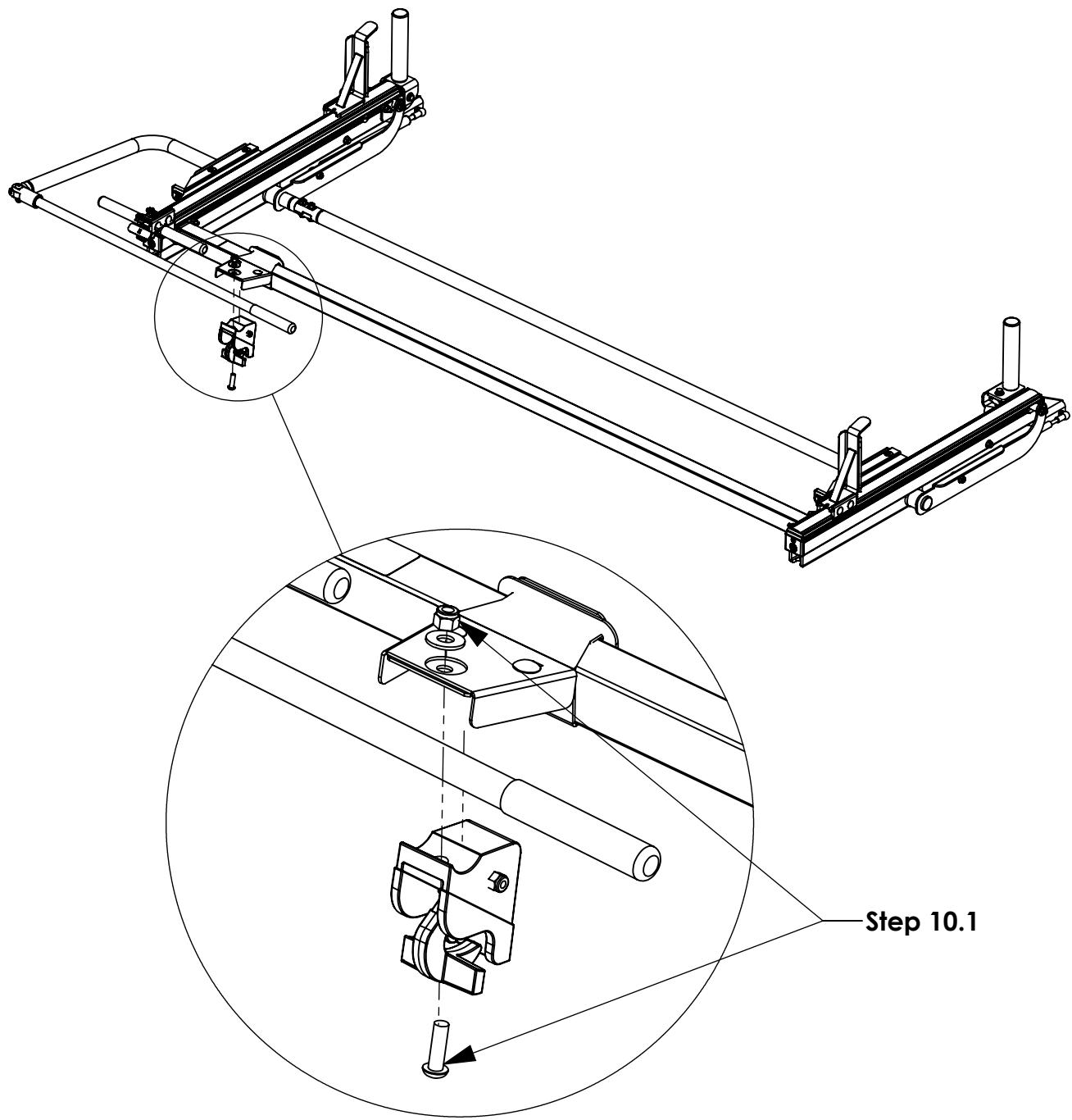
Step 9.1  
**FULLY TIGHTEN**  
(02) FAS0473, 65961  
(02 PLACES PER SIDE)  
3/8" SOCKET



MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE

**STEP 10 - INSTALL HANDLE LATCH**

Step 10.1  
**FULLY TIGHTEN**  
FAS0819, FAS0399,  
(01 PLACE)  
7/32" ALLEN  
9/16" SOCKET



**MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE**