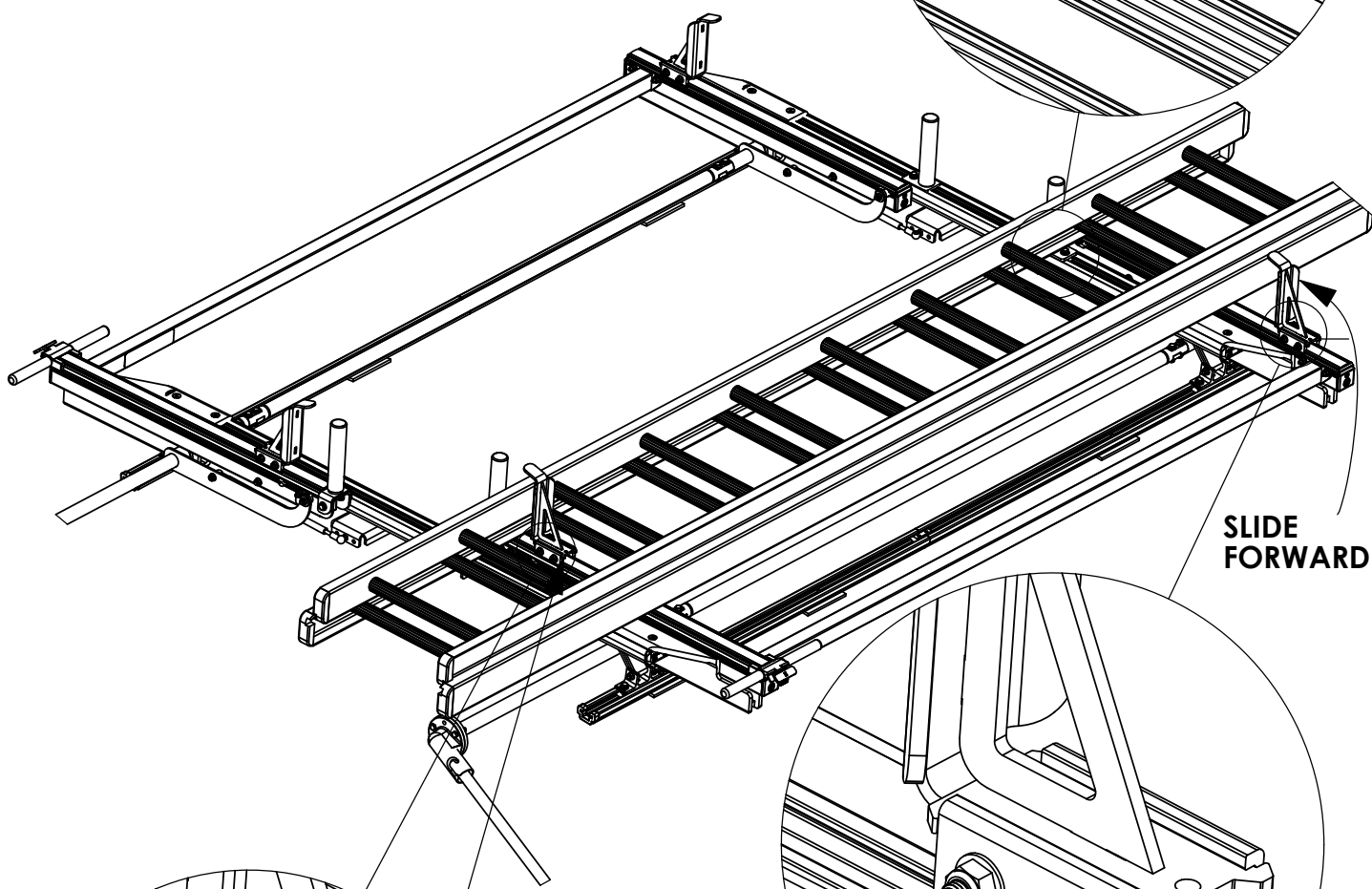
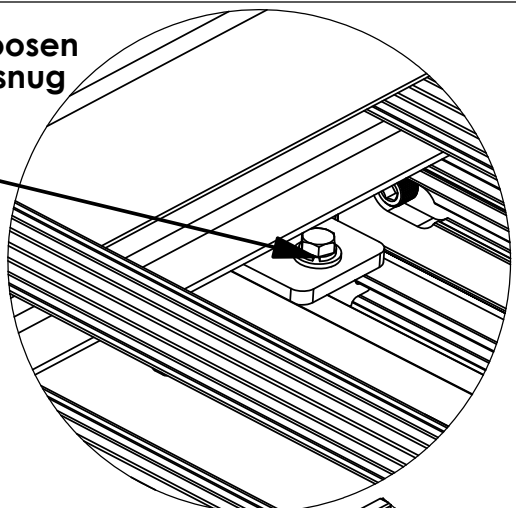


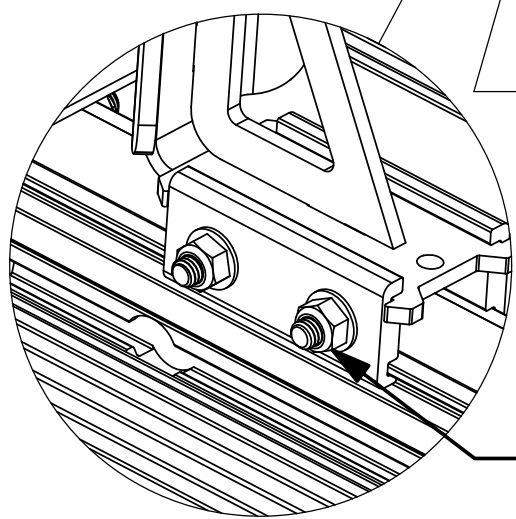
INSTR. NUMBER : <b>69483</b>	PG: <b>1</b>	REV: <b>A</b>
PART NUMBER • <b>Max Drop ProLift - Low &amp; Mid-Roof</b>		
PART • ProLift Low & Mid-Roof DESC. • Adjustment Instructions		

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

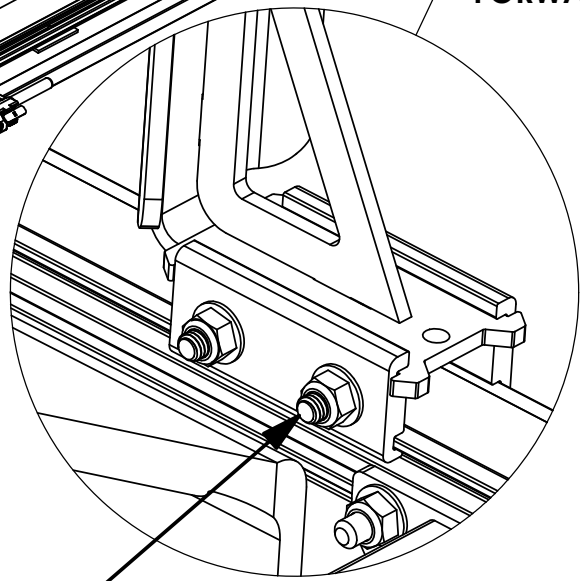


**SLIDE FORWARD**

**SLIDE FORWARD**



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

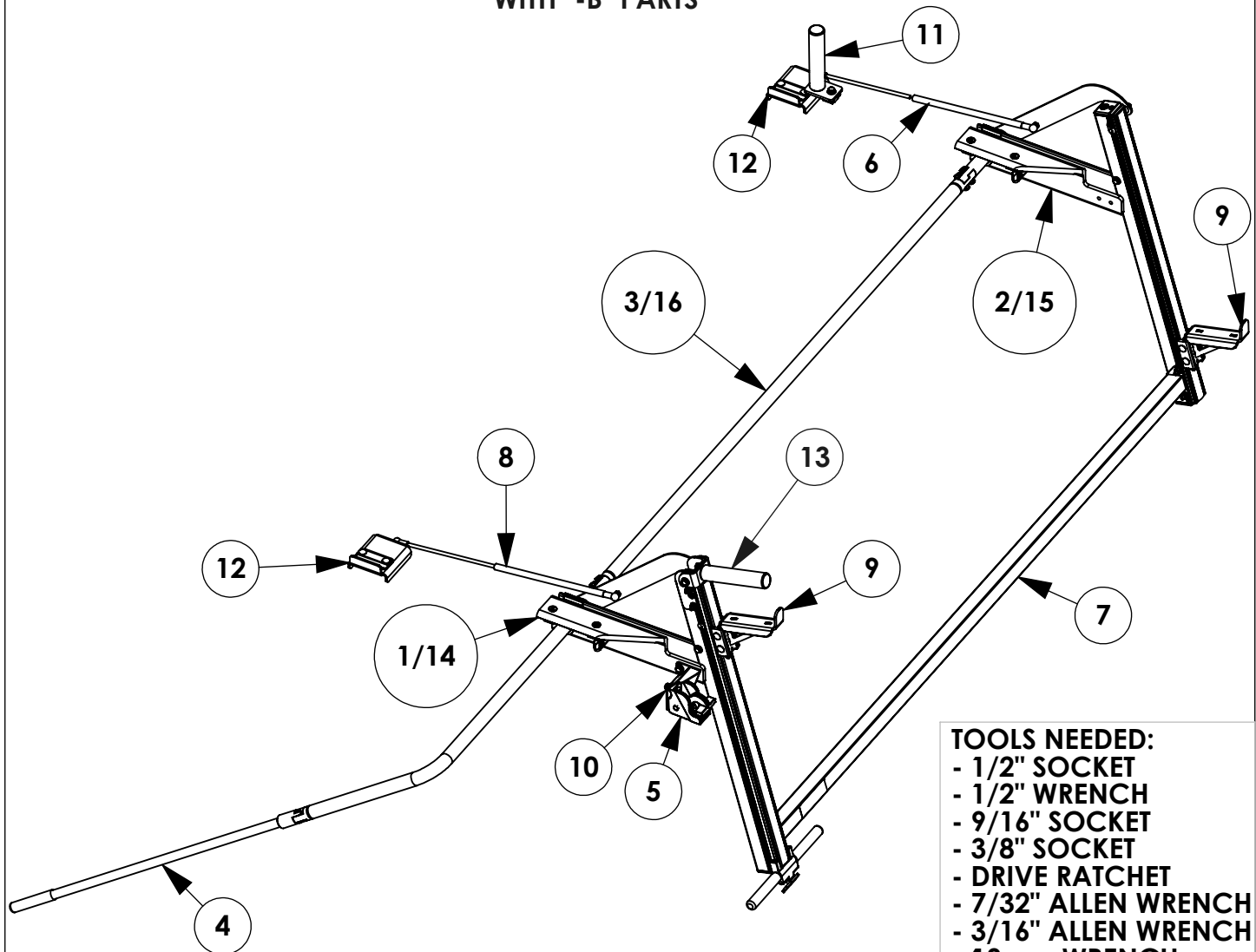


**Step 3: With 1/2" Socket loosen nuts (x2) slide clamp so that it is snug against outside of ladder  
Tighten nuts (X2)**

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

INSTR. NUMBER	PG:	REV:	ITEM NO.	PART NUMBER	DESCRIPTION	PLMDPSLW	PLMDDSLW
: 68495	1	B	1/14	68029-W	MAX DROP ARM ASM,LR,PS,W	1	-
			2/15	68031-W	DROP DOWN FRONT ARM ASSM PS, WHITE	1	-
PART NUMBER : PLMDPSL & PLMDDSL			3/16	66572-B	DROP DOWN, CS CENTER DRIVELINE, BLK	1	-
			4	66611-B	DROP DOWN, PIVOT HANDLE, BLK	1	1
PART • PROLIFT,MAX,PS,LR DESC. • & PROLIFT,MAX,DS,LR			5	25340-0	HANDLE LATCH-STD	1	1
			6	48265	DAMPER ASSEMBLY	1	1
			7	66959-W	DROP DOWN OUTER BAR, WELDMENT, WHITE	1	1
			8	58239	COMPRESSION DAMPER	1	1
			9	68037-B	CLAMP PAD, 6.5", BLACK	2	2
			10	68180-W	DROP DOWN LATCH BRACKET, WHITE	1	1
			11	68186-W	PROLIFT INNER POST, WHITE	1	2
			12	68045-W	PROLIFT DAMPER MOUNT, WHITE	2	2
			13	68196-W	PROLIFT MAX DROP STOP, WHITE	1	1
			14	68012-W	MAX DROP ARM ASM,LR,DS, WHITE	-	1
			15	68013-W	DROP DOWN FRONT ARM ASM DS, WHITE	-	1
			16	66563-B	DROP DOWN, SS CENTER DRIVELINE, BLK	-	1

- PART NUMBERS WITH "-W" SUFFIX ARE PAINTED WHITE  
- FOR BLACK MOUNTING KITS, REPLACE "-W" PARTS WITH "-B" PARTS



- 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

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

**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.

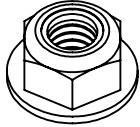
**BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR**

PAGE:

**3**

**FASTENERS AND HARDWARE USED**

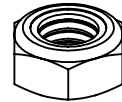
**BAG REFERENCE: BAG68200 & BAG68201**



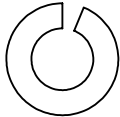
FAS0861  
NUT,HEX NLK FLG 5/16-18  
QTY: 20



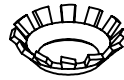
FAS0110  
NUT,HEX NLK 3/8-16  
QTY: 01



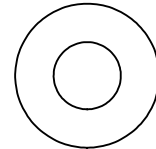
FAS0399  
NUT,HEX NLK LT 3/8-16  
QTY: 01



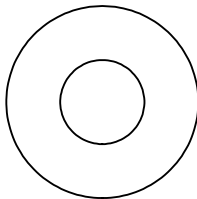
FAS0588  
WASHER,LCK SPLIT 5/16  
QTY: 03



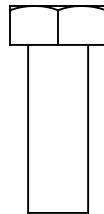
FAS0857  
WASHER,LCK EXT CS 5/16  
QTY: 04



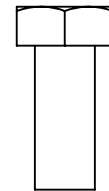
FAS0552  
WASHER,FLAT USS 5/16  
QTY: 09



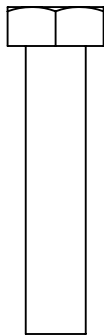
FAS0720  
WASHER,FLAT USS 3/8  
QTY: 01



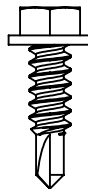
FAS0283  
SCREW,HH 5/16-18X.875  
QTY: 03



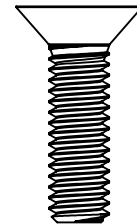
FAS0799  
SCREW,HH 5/16-18X.75  
QTY: 02



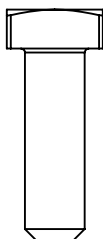
FAS0242  
SCREW,HH 5/16-18X1.5  
QTY: 04



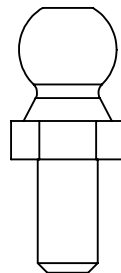
FAS0473  
SCREW,HH TEK #12X.75  
QTY: 04



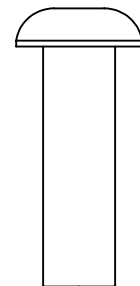
FAS0856  
SCREW,FHH 5/16-18X1.13  
QTY: 04



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



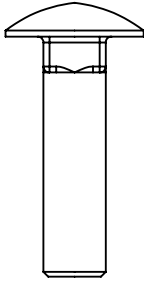
34927-0  
BALL STUD 13MM X 5/16-18  
QTY: 02



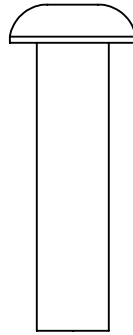
FAS0701  
SCREW,BHCS 3/8-16X1.25  
QTY: 01

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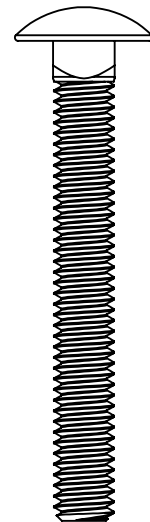
**FASTENERS AND HARDWARE USED**



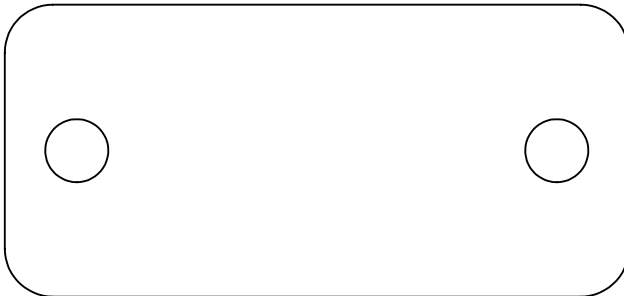
FAS0812  
BOLT,CRG 5/16-18X1.25  
QTY: 04



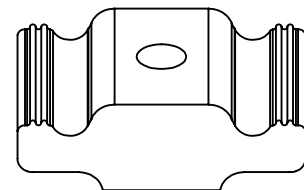
FAS0819  
SCREW,BHCS 3/8-16X1.5  
QTY: 01



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



64831  
REAR ROLLER, SPACER  
QTY: 02



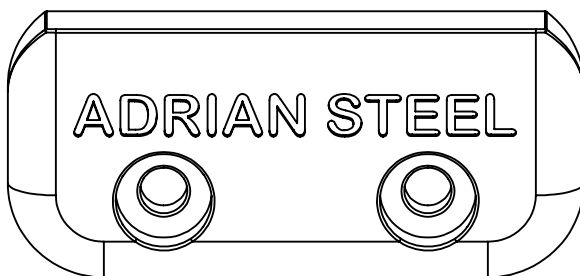
63490  
RAIL SLIDE, 1"  
QTY: 05



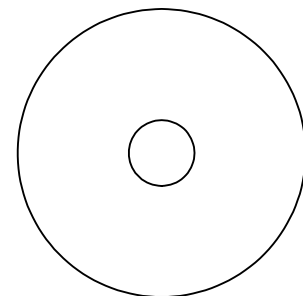
64830  
REAR ROLLER, BOLT PLATE  
QTY: 02



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

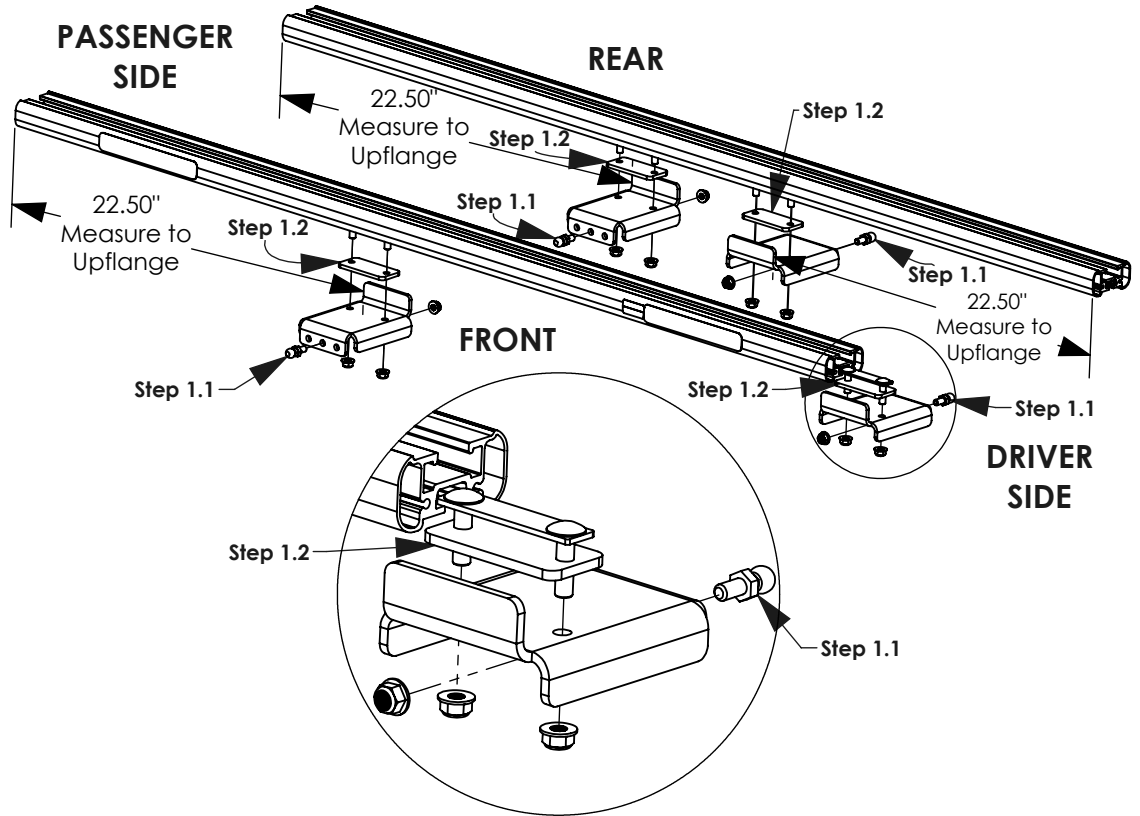
**INTENTIONALLY LEFT BLANK**

# STEP 1 - MOUNT DAMPER BRACKETS

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

**A.2**

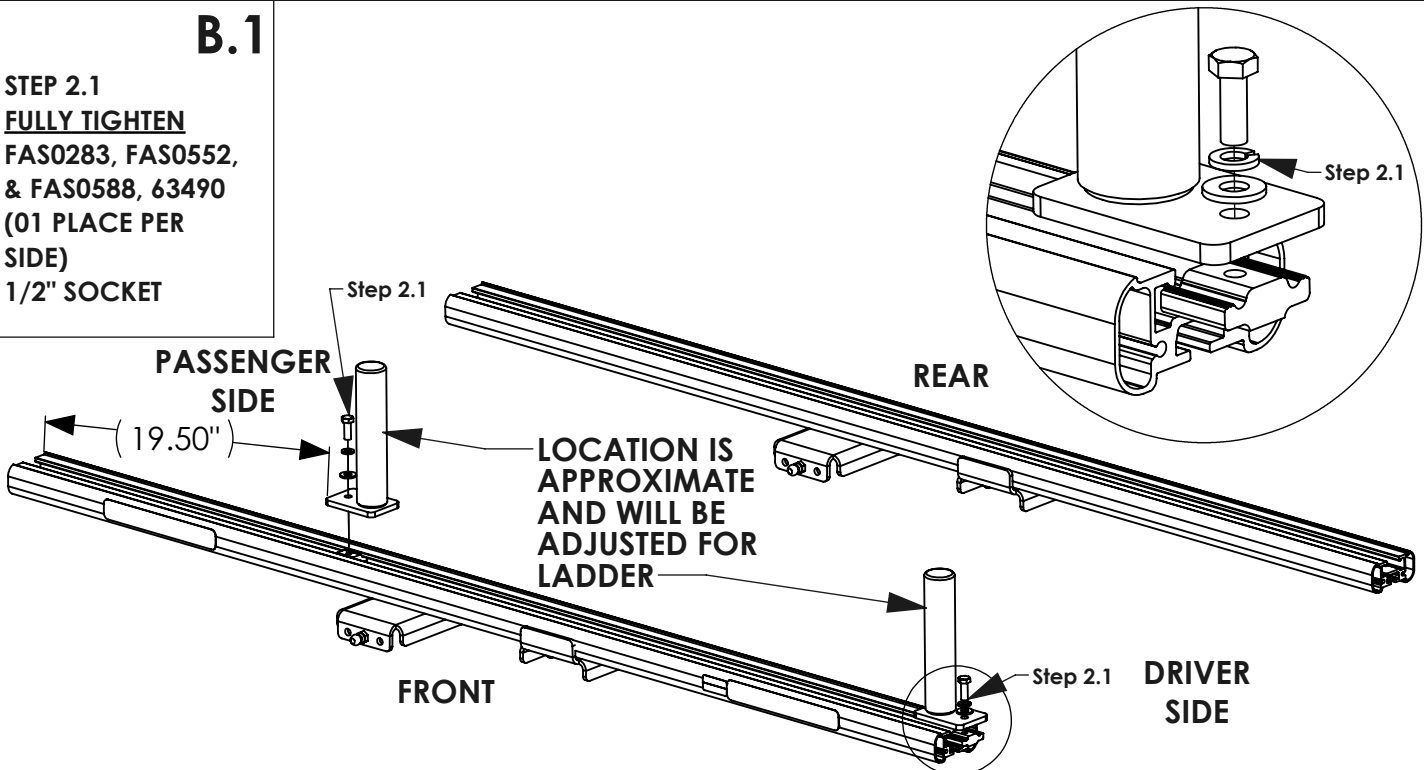
**STEP 1.2**  
**FULLY TIGHTEN**  
**(02) FAS0812,**  
**64830, 64831, &**  
**(02) FAS0861**  
**(02 PLACES PER**  
**SIDE)**  
**1/2" SOCKET**



# 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**





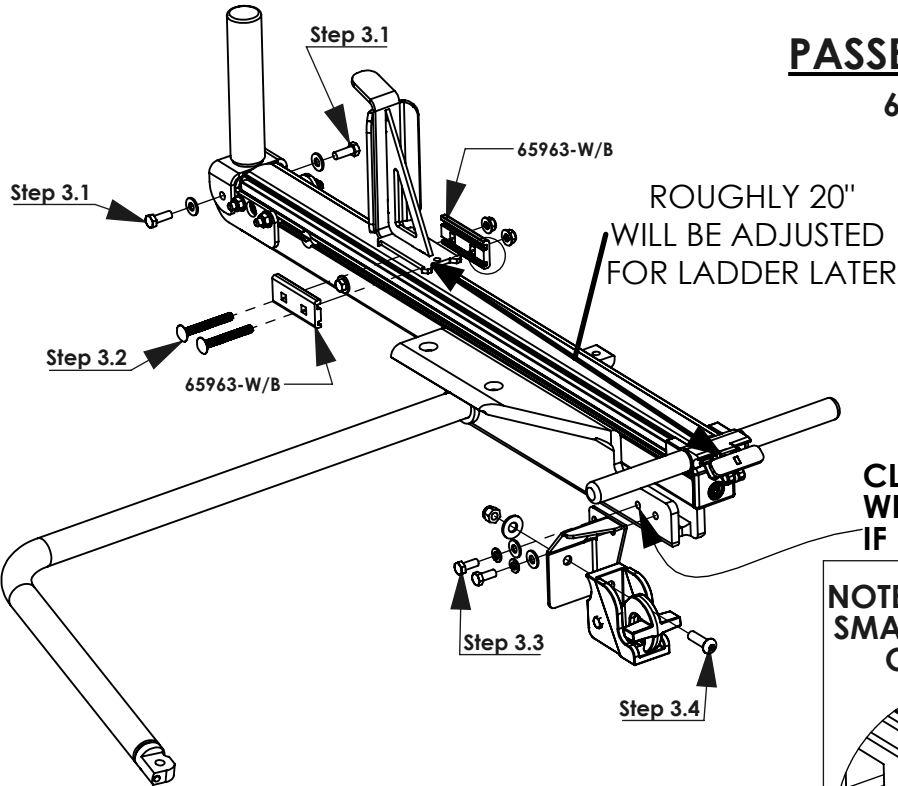
**STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES**

**REAR SUB-ASSEMBLY**

**PASSENGER SIDE**

68029-W/B

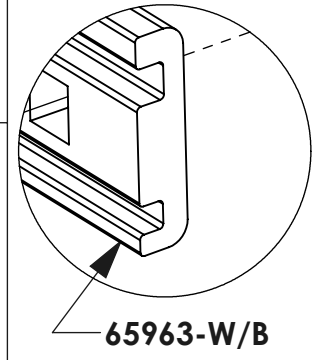
**STEP 3.1**  
**FULLY TIGHTEN**  
FAS0283, FAS0552,  
& FAS0861  
(02 PLACES)  
1/2" WRENCH  
1/2" SOCKET



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

**CLEAN OUT HOLES**  
**WITH 5/16-18 TAP**  
**IF NECESSARY**

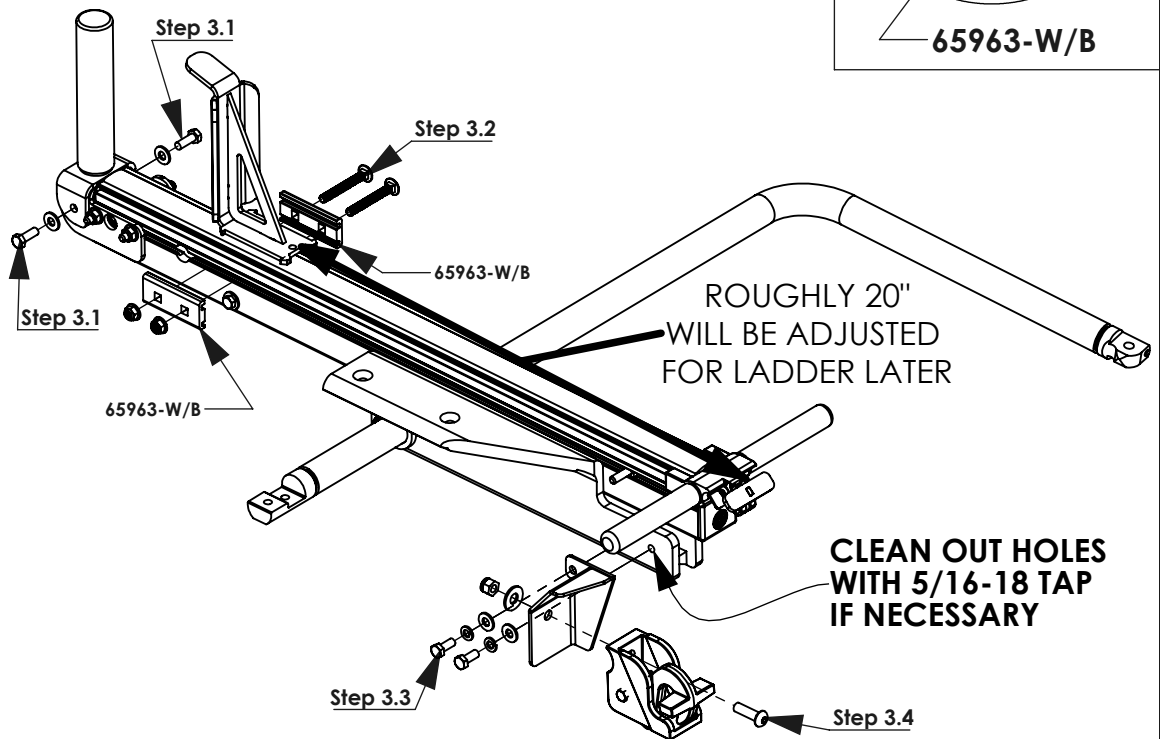
**NOTE ORIENTATION:**  
**SMALLER CHANNEL**  
**ON BOTTOM**



**DRIVER SIDE**

68012-W/B

**STEP 3.3**  
**FULLY TIGHTEN**  
FAS0799,  
FAS0552, &  
FAS0588  
(02 PLACES)  
1/2" SOCKET



**STEP 3.4**  
**FULLY TIGHTEN**  
FAS0701, FAS0720,  
& FAS0110  
(01 PLACE)  
7/32" ALLEN  
9/16" SOCKET

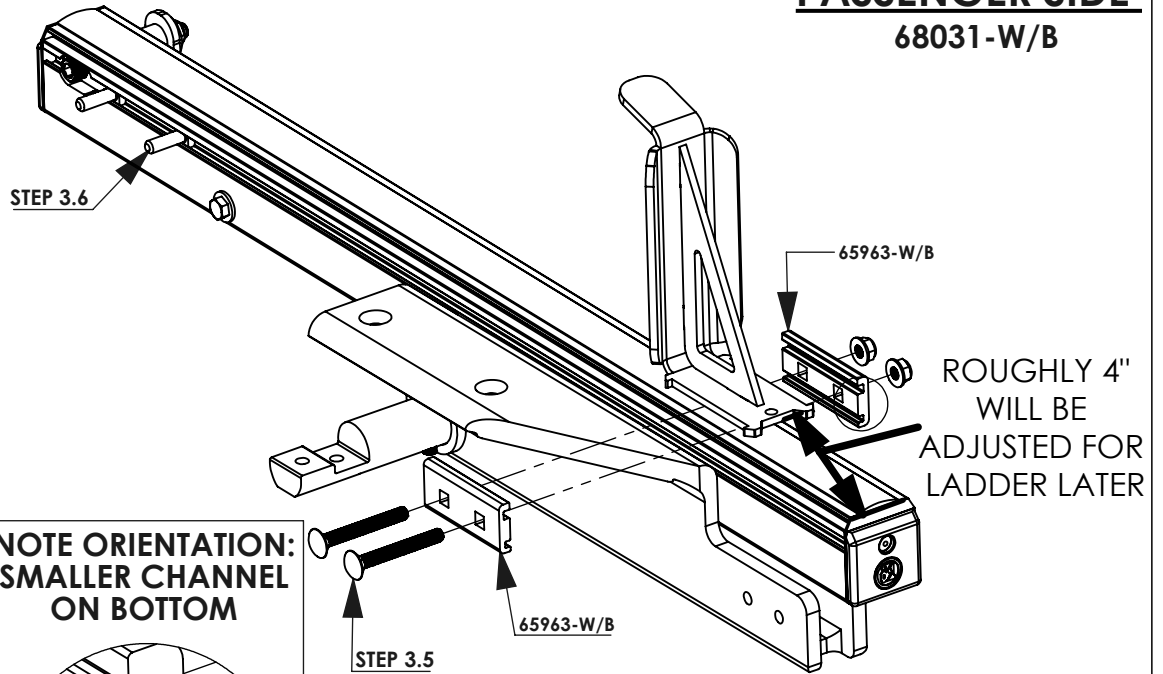
**CLEAN OUT HOLES**  
**WITH 5/16-18 TAP**  
**IF NECESSARY**

# FRONT SUB-ASSEMBLY

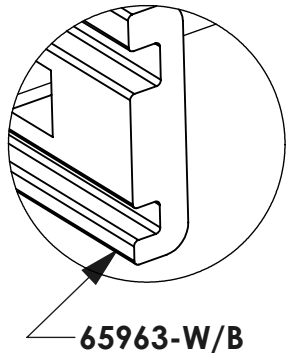
## PASSENGER SIDE

68031-W/B

**STEP 3.5**  
**FULLY TIGHTEN**  
**FAS0838 &**  
**FAS0861**  
**(02 PLACES)**  
**1/2" SOCKET**



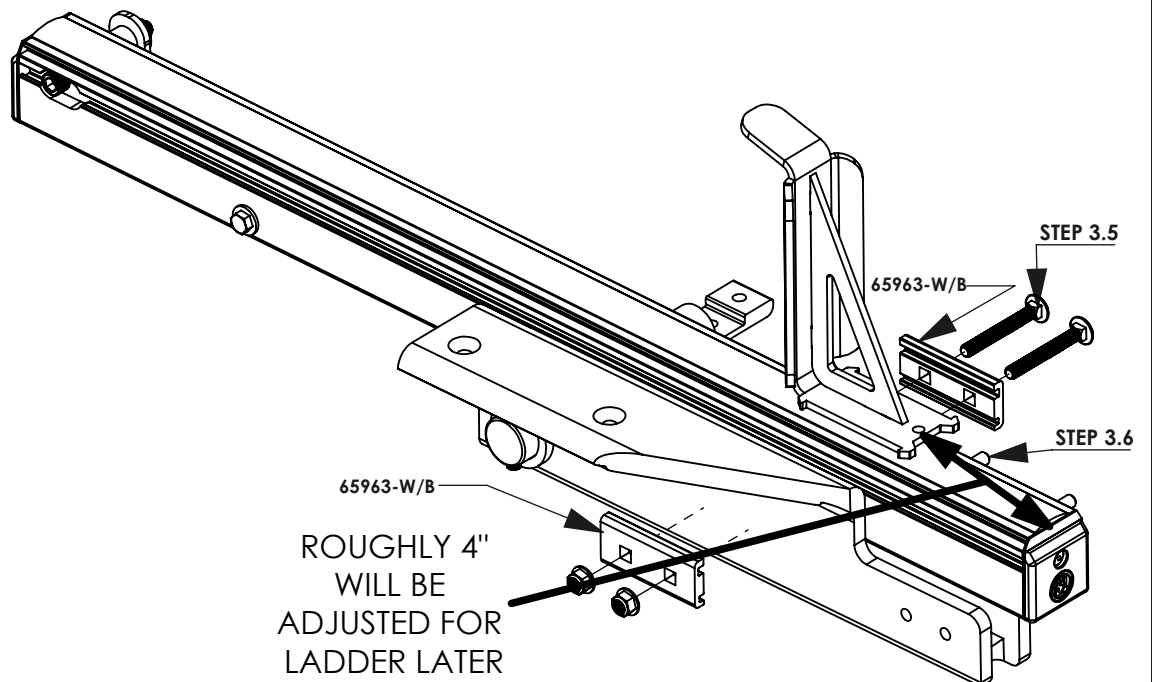
**NOTE ORIENTATION:**  
**SMALLER CHANNEL**  
**ON BOTTOM**



## DRIVER SIDE

68013-W/B

**STEP 3.6**  
**FAS0035**  
**SLIDE INTO SLOT**  
**(02 PLACES)**



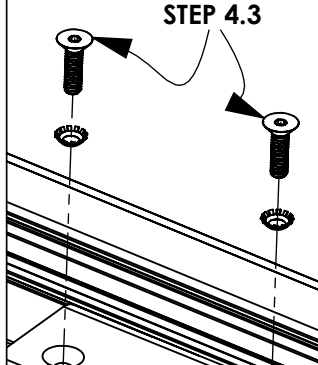
**ROUGHLY 4"**  
**WILL BE**  
**ADJUSTED FOR**  
**LADDER LATER**



# 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

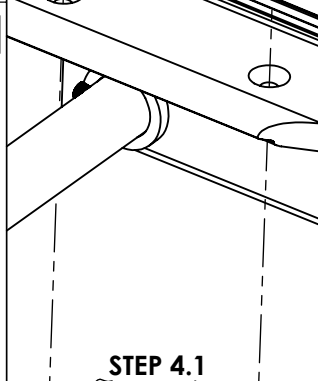
**STEP 4.1**  
SLIDE 63490 INTO  
END OF  
CROSSBOWS



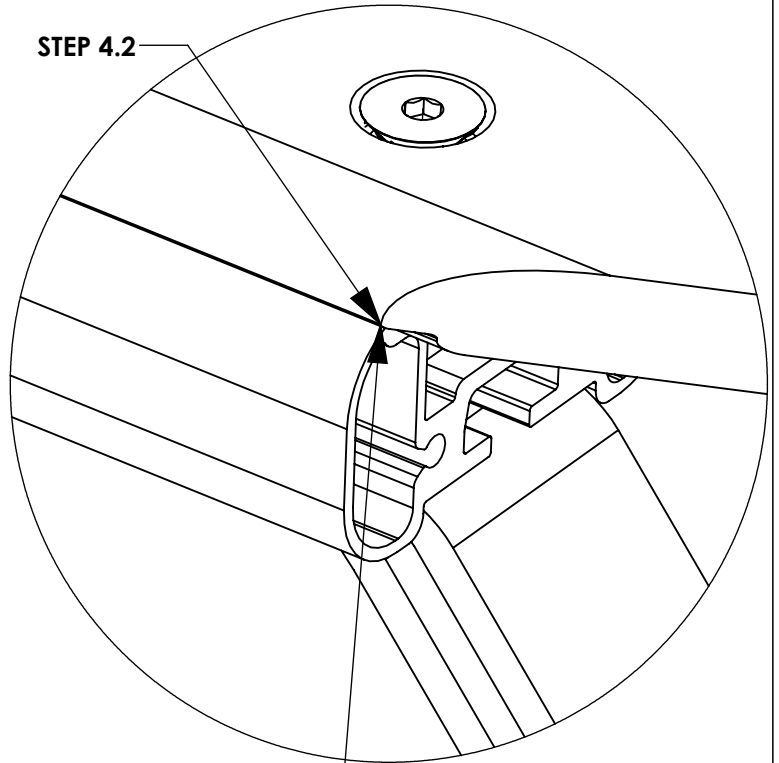
STEP 4.3

**STEP 4.2**  
LINE UP CORNERS  
WITH END OF  
CROSSBOW

C.1

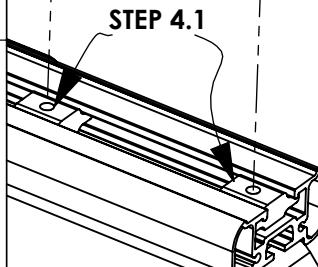


STEP 4.2

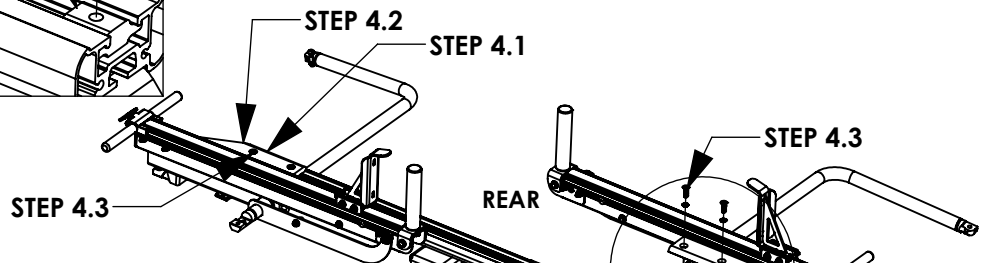


**LINE UP CORNERS!!**

**STEP 4.3**  
FULLY TIGHTEN  
(02) FAS0856,  
(02) FAS0857, &  
(02) 63490  
(02 PLACES PER  
SIDE)  
3/16" ALLEN



STEP 4.1



STEP 4.2

STEP 4.1

STEP 4.3

REAR

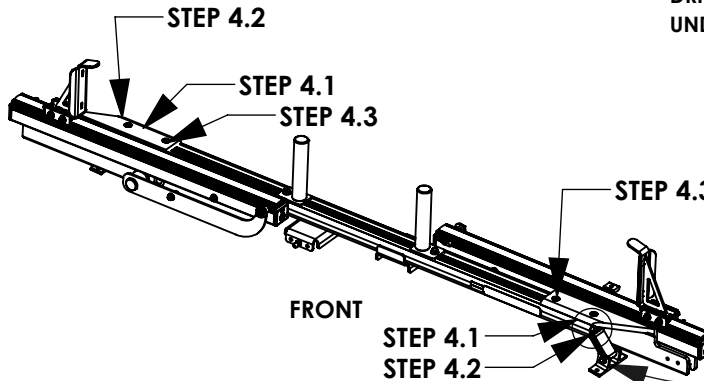
STEP 4.3

PASSENGER  
SIDE

DRIVELINE WILL BE  
UNDER CROSSBOW

STEP 4.2

STEP 4.1



STEP 4.2

STEP 4.1

STEP 4.3

FRONT

STEP 4.3

DRIVER  
SIDE

STEP 4.1

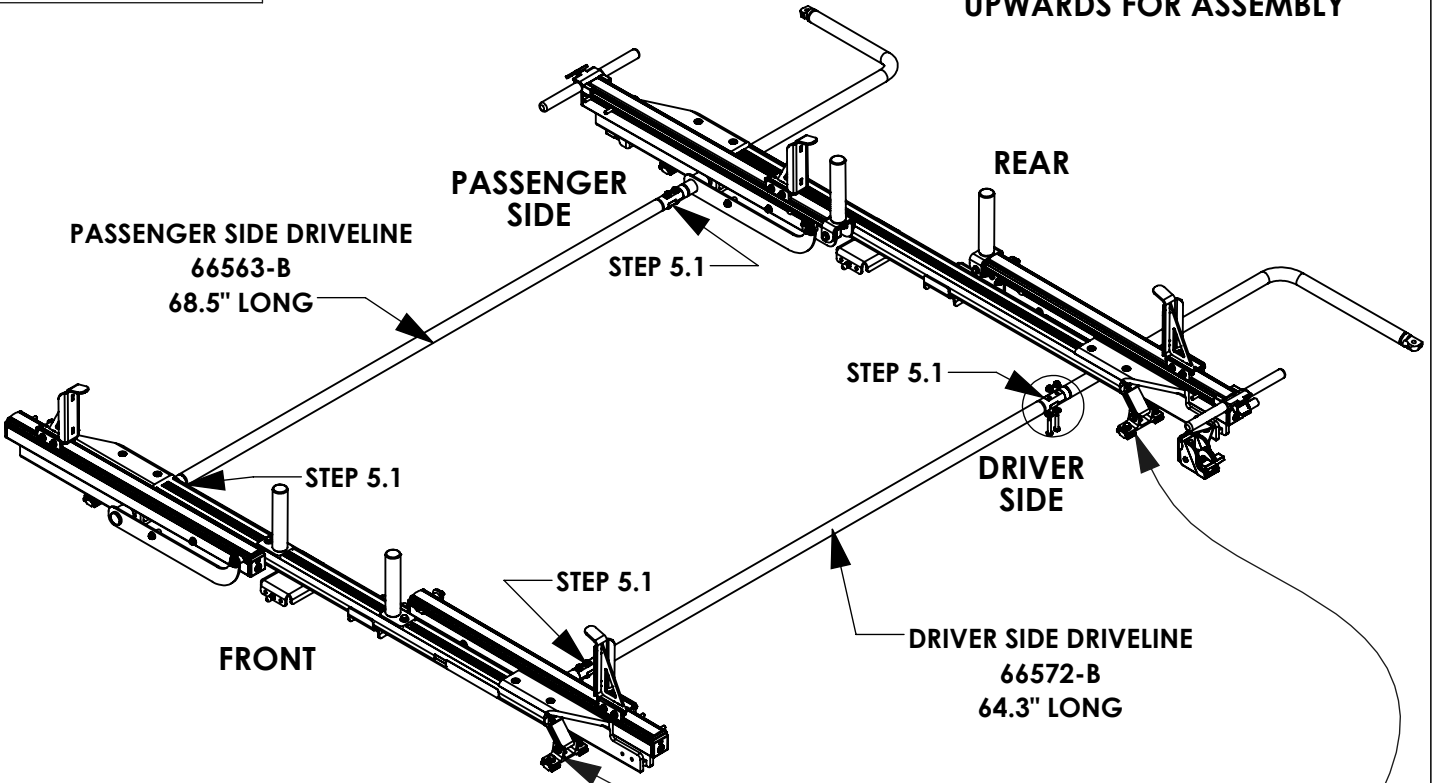
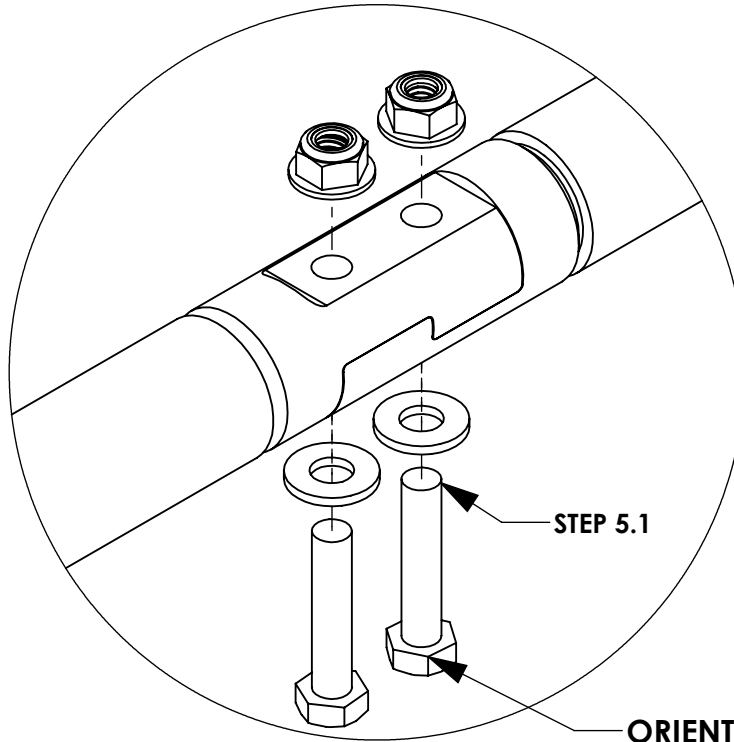
STEP 4.2

UNIVERSAL MOUNTING  
KIT SHOWN  
FOR REFERENCE

# 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**



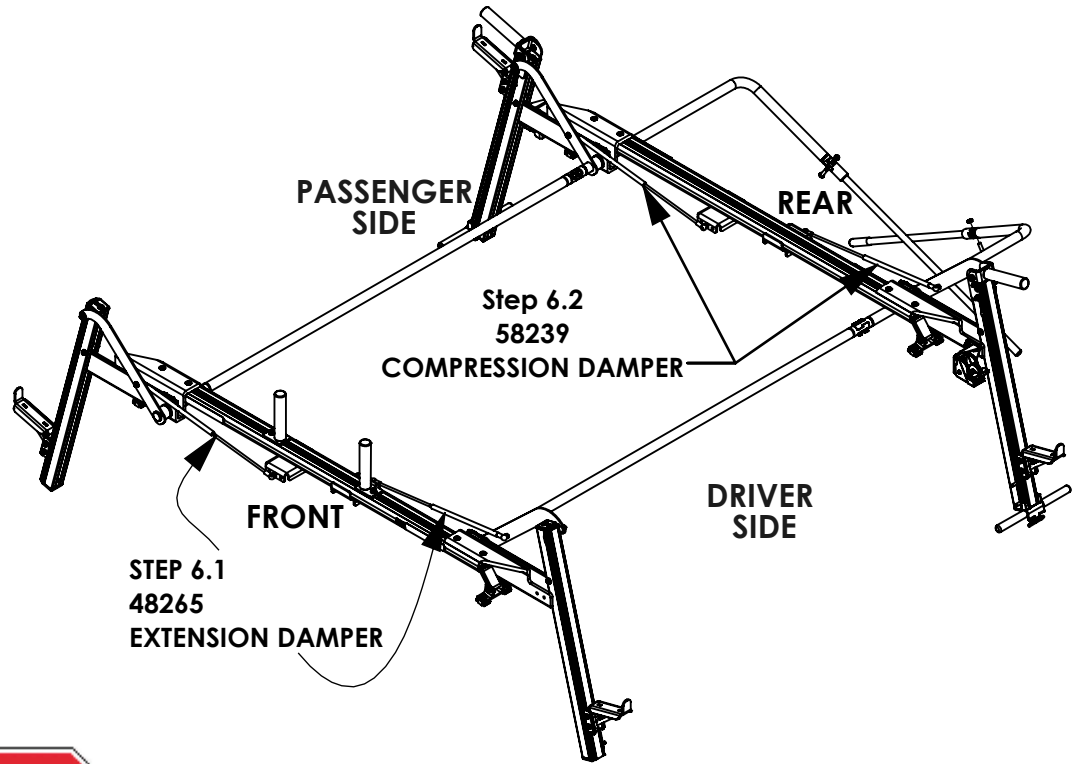
**UNIVERSAL MOUNTING**  
**KIT SHOWN**  
**FOR REFERENCE**

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

Step 6.1  
 ATTACH EXTENSION  
 DAMPERS (48265) TO  
 BALL STUDS.  
ORIENTATION OF  
 DAMPER MATTERS!!!  
 (01 PLACE PER SIDE)

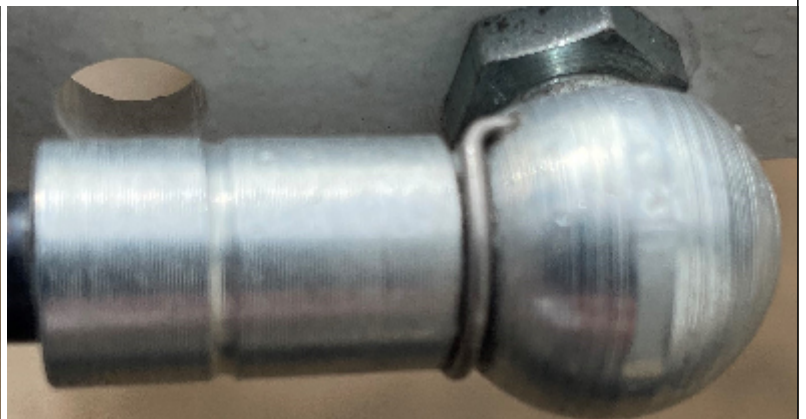
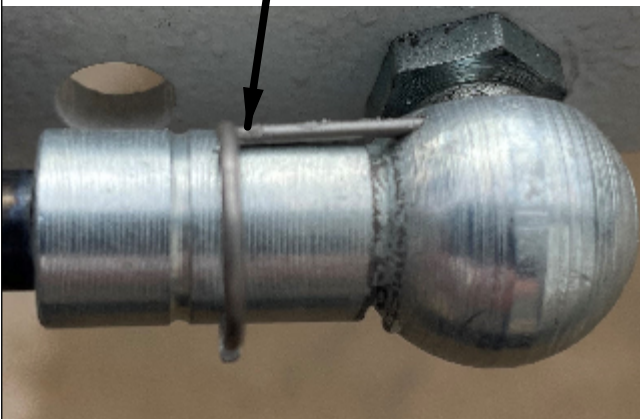
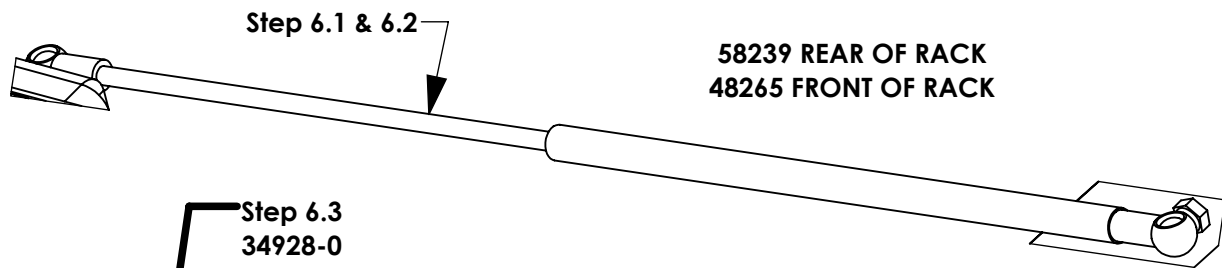
Step 6.2  
 ATTACH  
 COMPRESSION  
 DAMPERS (58239) TO  
 BALL STUDS.  
ORIENTATION OF  
 DAMPER MATTERS!!!  
 (01 PLACE PER SIDE)

Step 6.3  
 INSERT LOCKING  
 PINS (34928-0)  
 AFTER MOUNTING  
 DAMPERS TO BALL  
 STUDS  
 (04 PLACES PER SIDE)



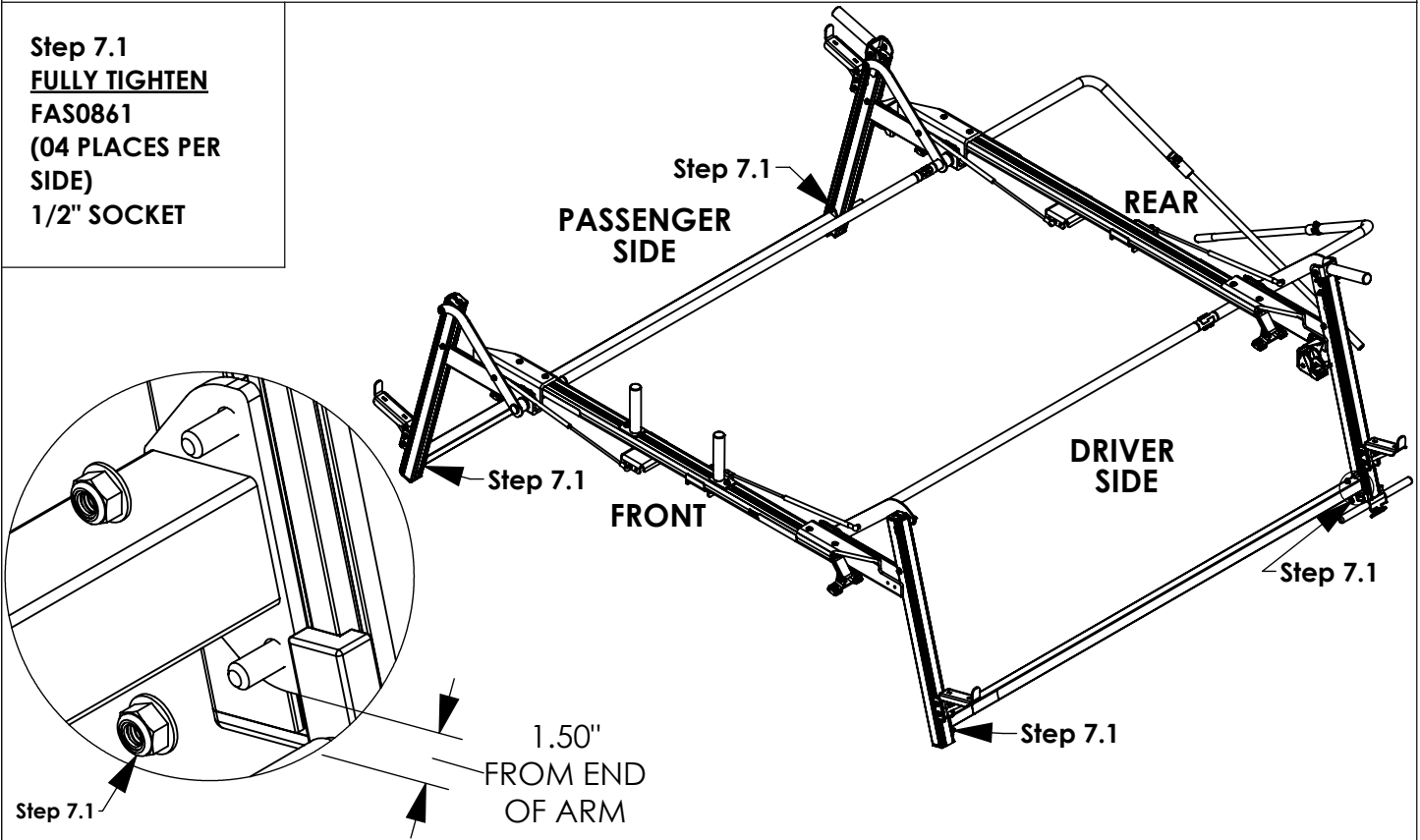
## ORIENTATION OF DAMPER MATTERS!!!!

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



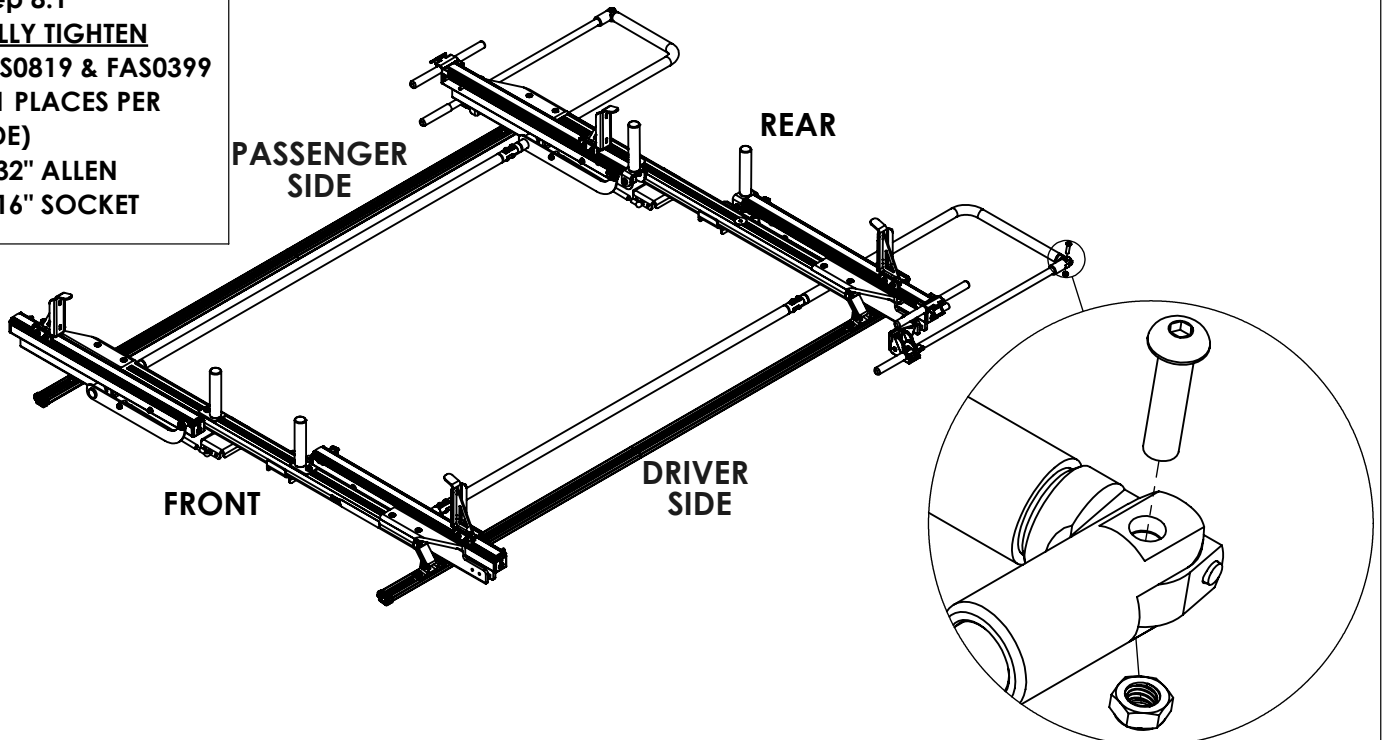
# STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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



# STEP 8 - INSTALL DROP DOWN HANDLE

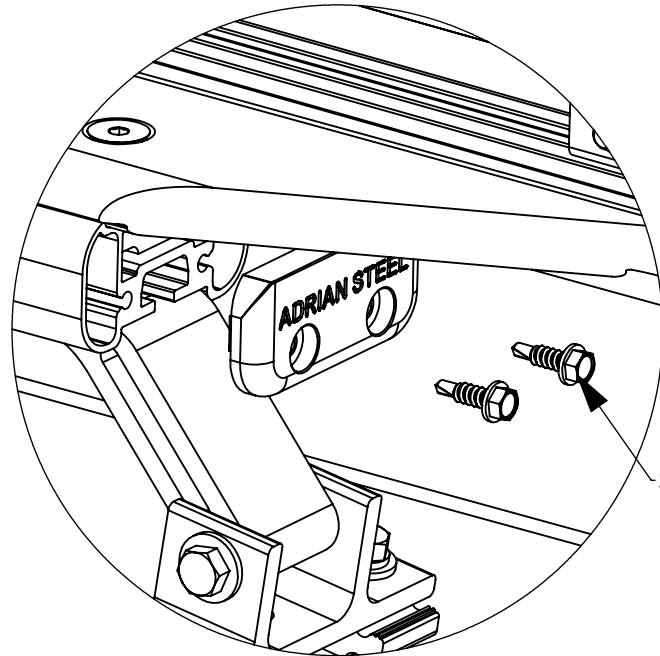
Step 8.1  
**FULLY TIGHTEN**  
FAS0819 & FAS0399  
(01 PLACES PER  
SIDE)  
7/32" ALLEN  
9/16" SOCKET



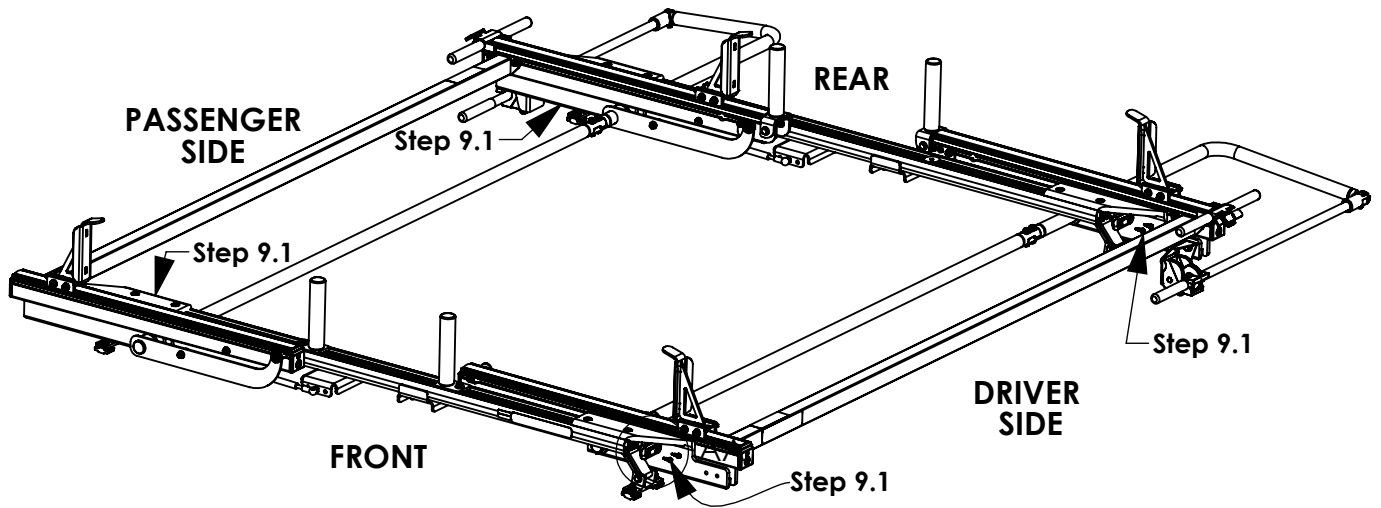
**MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE**

# STEP 9 - INSTALL CROSSBOW END CAPS

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



Step 9.1



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