

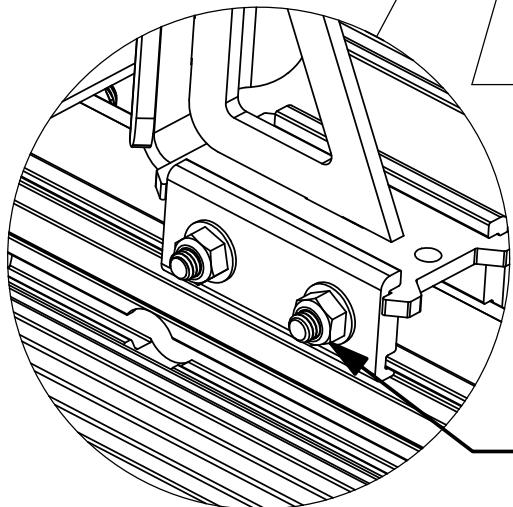
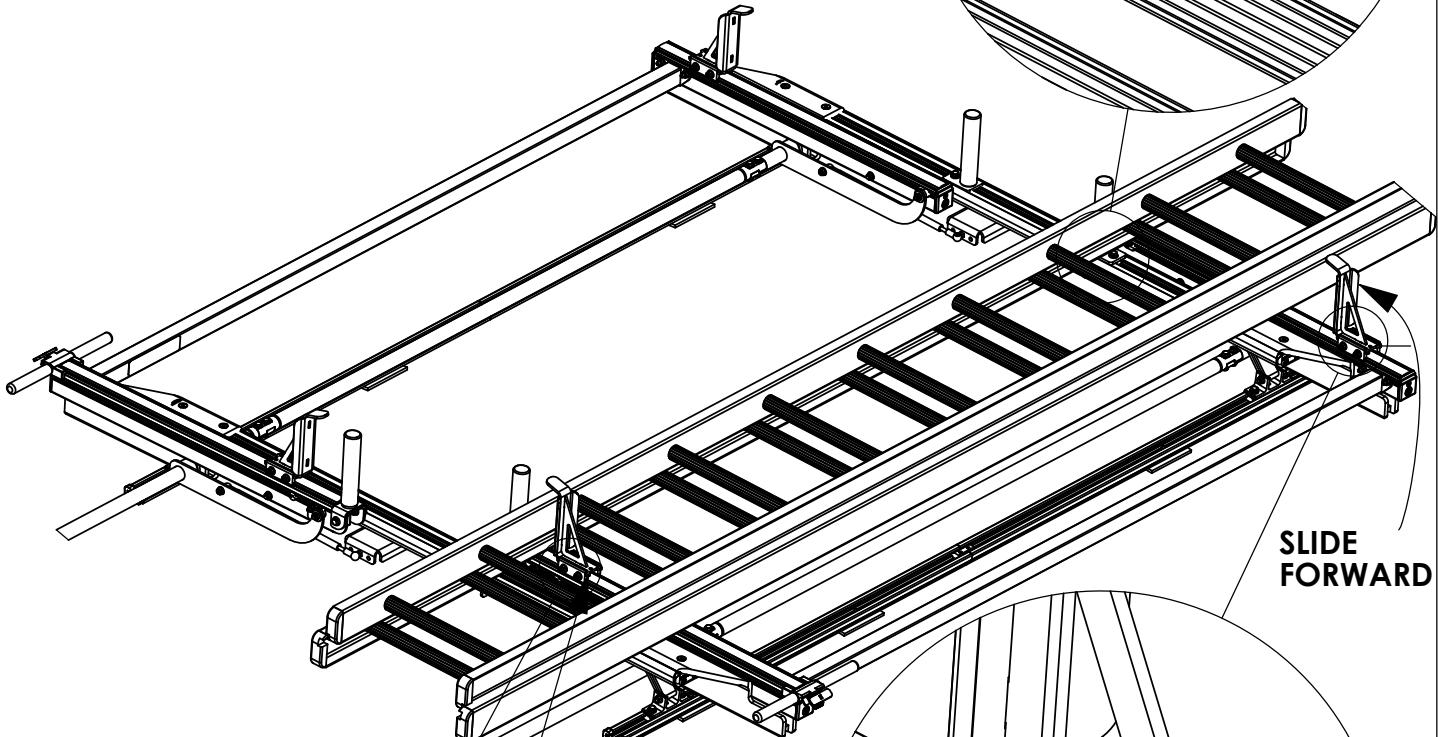
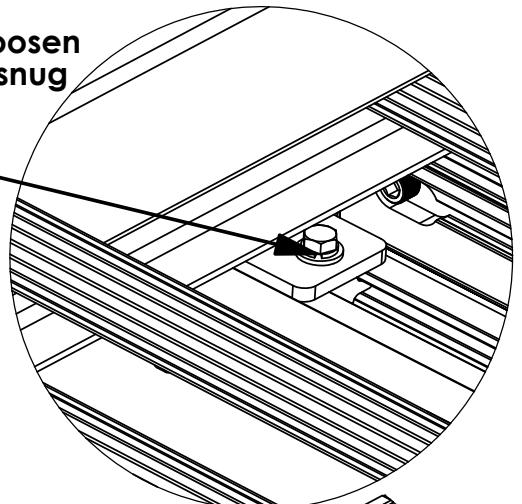
INSTR.  
NUMBER : **69483**

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

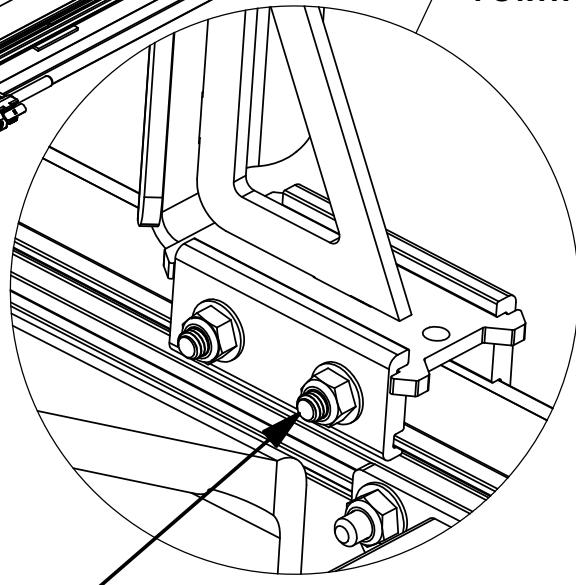
PART • **Max Drop ProLift -**  
NUMBER • **Low & Mid-Roof**

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**



**SLIDE  
FORWARD**



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

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

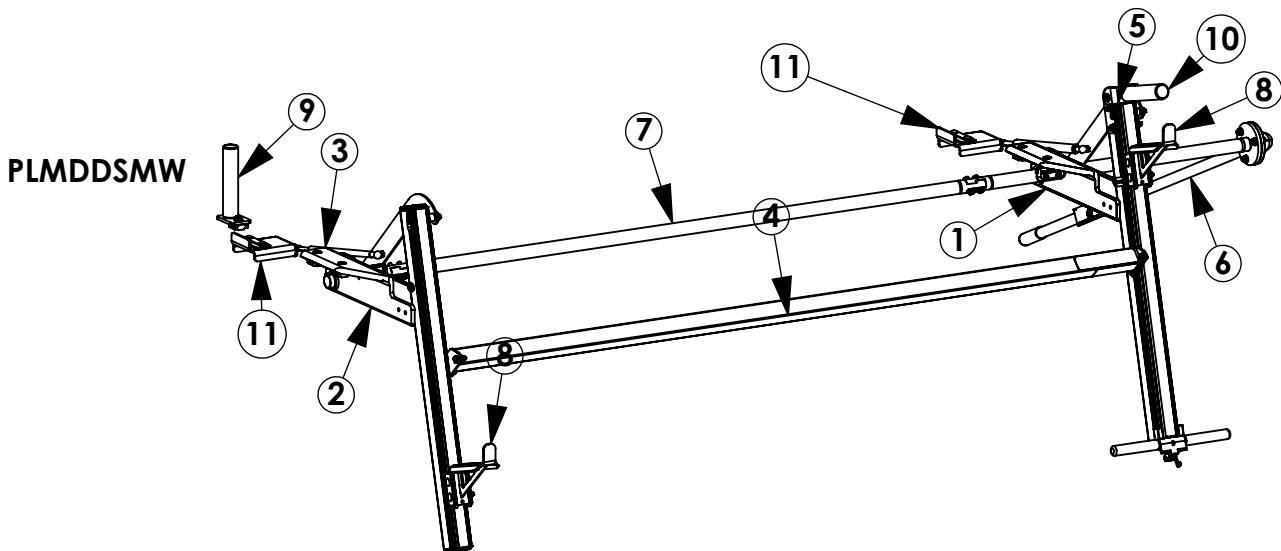
**Once all brackets are adjusted operate rack to make sure clamps are not too tight**

INSTR. NUMBER : **68499** PG: **1** REV: **B**

PART NUMBER : **PLMDPSM & PLMDDSM**

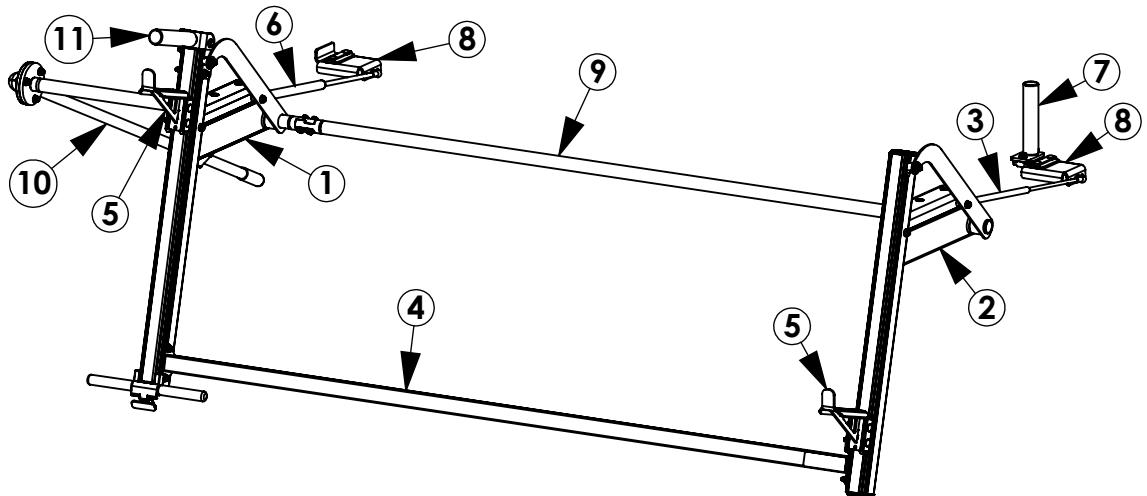
PART • PROLIFT,MAX,PS,MR  
DESC. • &  
PROLIFT,MAX,DS,MR

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	68190-W	MAX DROP ARM ASM,MR,DS, WHITE	1
2	68013-W	DROP DOWN FRONT ARM ASM DS, WHITE	1
3	48265	DAMPER ASSEMBLY	1
4	66959-W	DROP DOWN OUTER BAR, WELDMENT, WHITE	1
5	58239	COMPRESSION DAMPER	1
6	51989	HANDLE ASM, NO PAINT	1
7	66563-B	DROP DOWN, SS CENTER DRIVELINE, BLK	1
8	68037-B	CLAMP PAD, 6.5", BLACK	2
9	68186-W	PROLIFT INNER POST, WHITE	1
10	68196-W	PROLIFT MAX DROP STOP, WHITE	1
11	68045-W	PROLIFT DAMPER MOUNT, WHITE	2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	68189	MAX DROP CARTRIDGE, LR PS	1
2	68031-W	DROP DOWN FRONT ARM ASSM PS, WHITE	1
3	48265	DAMPER ASSEMBLY	1
4	66959-W	DROP DOWN OUTER BAR, WELDMENT, WHITE	1
5	68037-B	CLAMP PAD, 6.5", BLACK	2
6	58239	COMPRESSION DAMPER	1
7	68186-W	PROLIFT INNER POST, WHITE	1
8	68045-W	PROLIFT DAMPER MOUNT, WHITE	2
9	66572-B	DROP DOWN, CS CENTER DRIVELINE, BLK	1
10	51989	HANDLE ASM, NO PAINT	1
11	68196-W	PROLIFT MAX DROP STOP, WHITE	1

**PLMDPSMW**



**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.

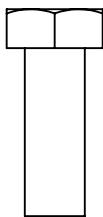
**MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT** - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

**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.

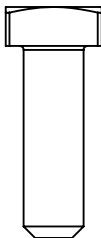
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**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).

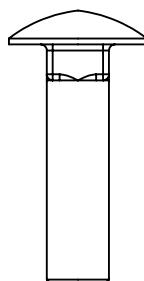
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

**FASTENERS AND HARDWARE USED**

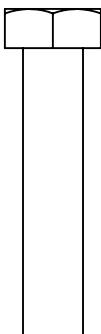
FAS0283  
SCREW,HH  
5/16-18X.875  
QTY: 3



FAS0035  
BOLT,SQ HD  
5/16-18X1.0  
QTY: 4



FAS0812  
BOLT,CRG  
5/16-18X1.25  
QTY: 4



FAS0242  
SCREW,HH  
5/16-18X1.5  
QTY: 4



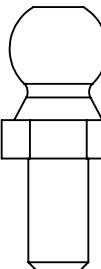
FAS0782  
SCREW,THP TEK  
#8X.75  
QTY: 3



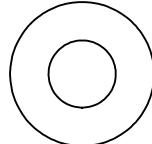
FAS0473  
SCREW,HH TEK  
#12X.75  
QTY: 4



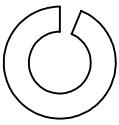
FAS0856  
SCREW,FHH  
5/16-18X1.13  
QTY: 4



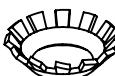
34927-0  
BALL STUD  
13MM X 5/16-18  
QTY: 2



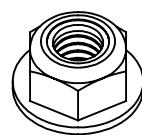
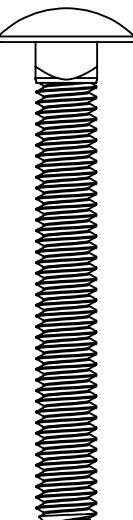
FAS0552  
WASHER,FLAT  
USS 5/16  
QTY: 7



FAS0588  
WASHER,LCK  
SPLIT 5/16  
QTY: 1



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

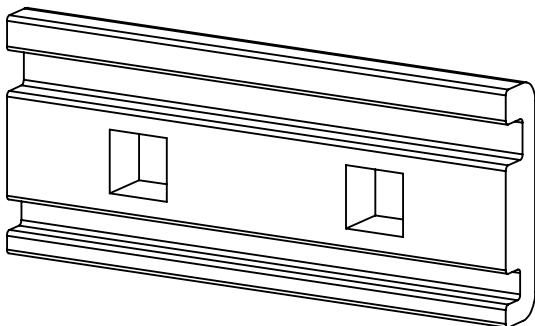


FAS0861  
NUT,HEX NLK  
FLG 5/16-18  
QTY: 20

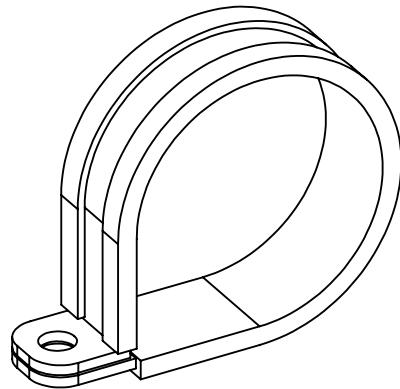


34928-0  
CLIP,SPRING,  
RETAINER,13MM  
QTY: 4

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

**FASTENERS AND HARDWARE USED**

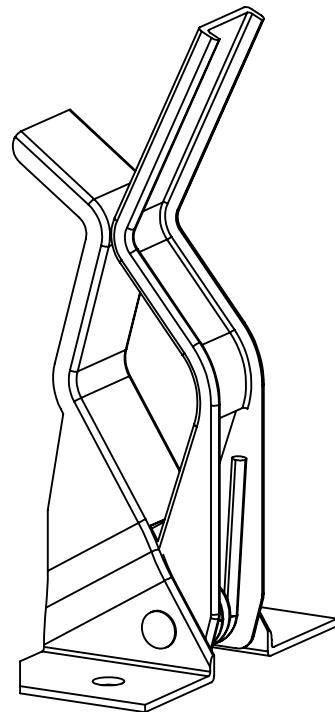
65963  
REAR ROLLER, SPACER  
QTY: 4



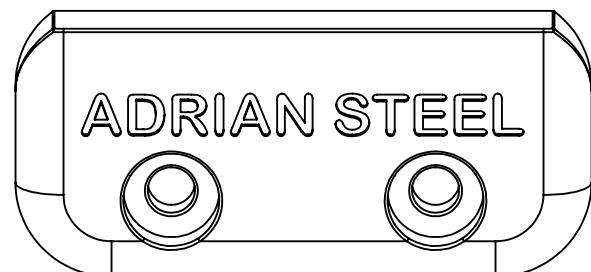
34921-0  
CLAMP, CABLE 1-1/2"  
QTY: 1



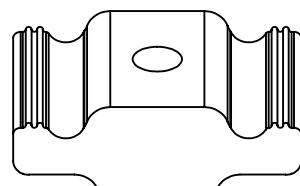
64831  
REAR ROLLER, SPACER  
QTY: 02



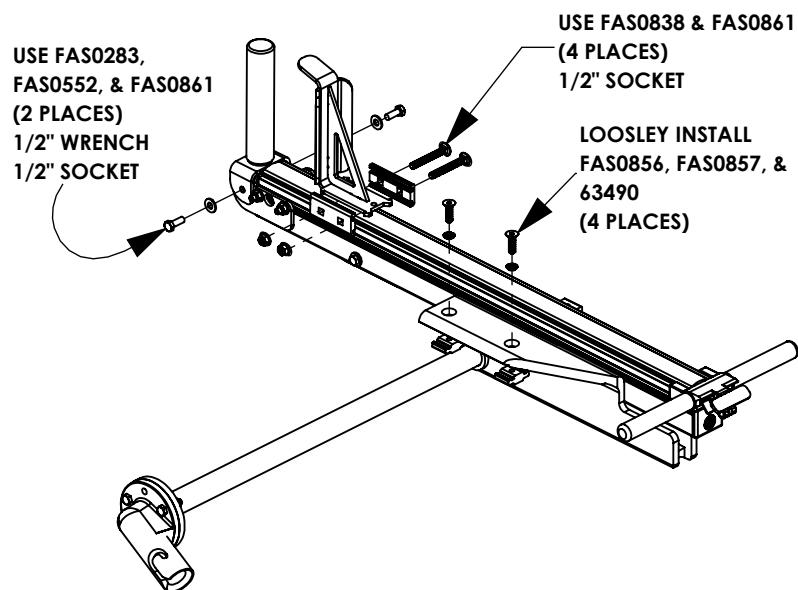
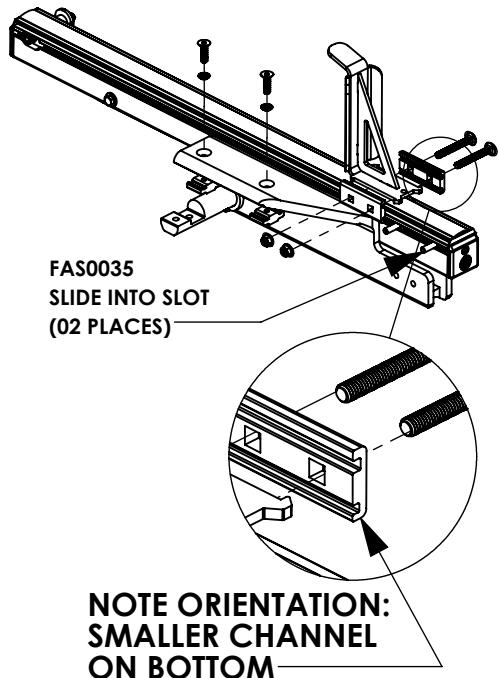
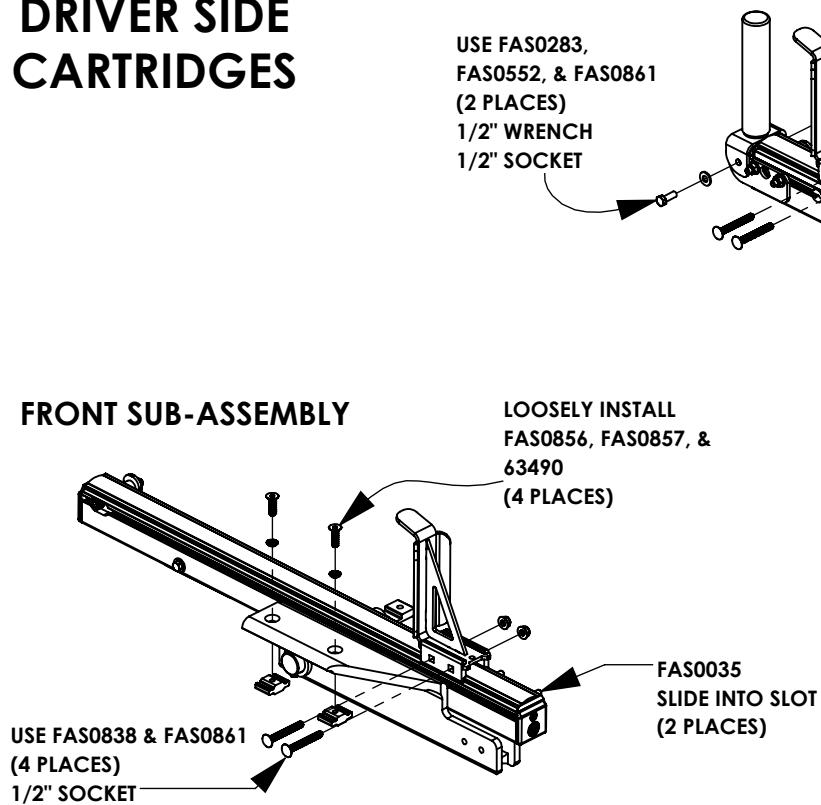
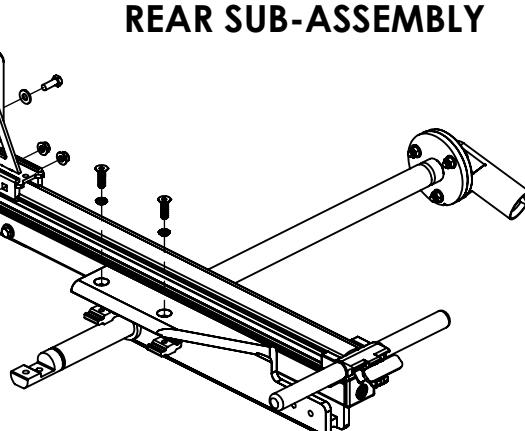
34922-0  
HOLDER, TOOL  
QTY: 1



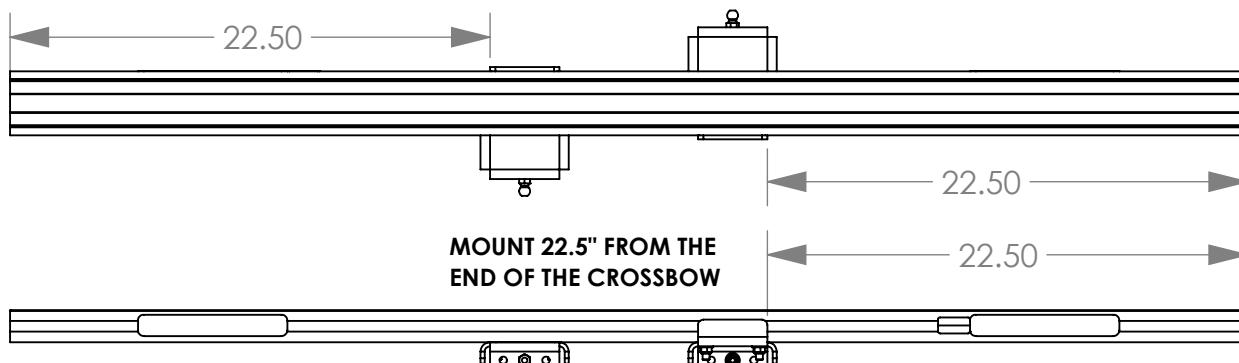
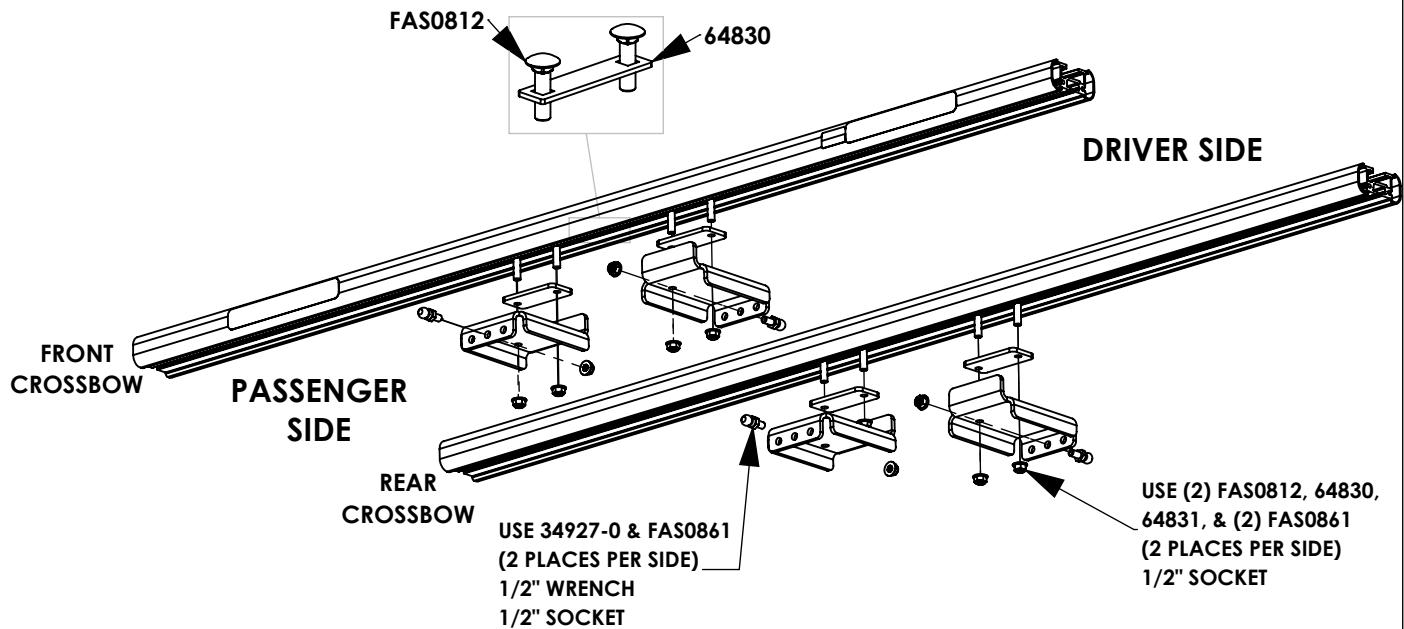
65961  
DROP DOWN END CAP  
QTY: 2



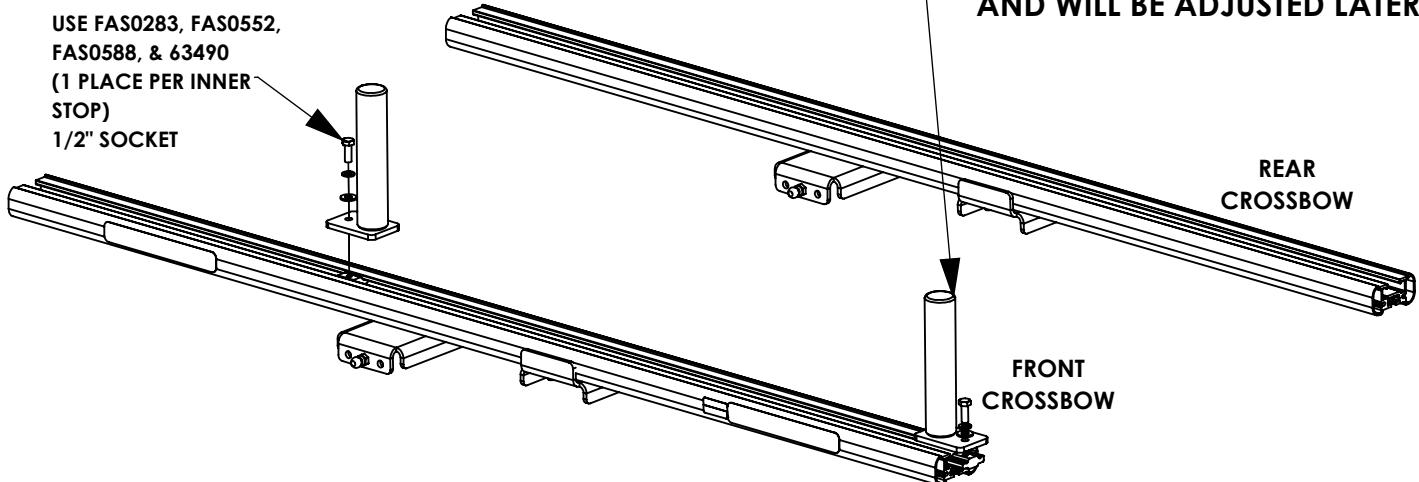
63490  
RAIL SLIDE, 1"  
QTY: 5

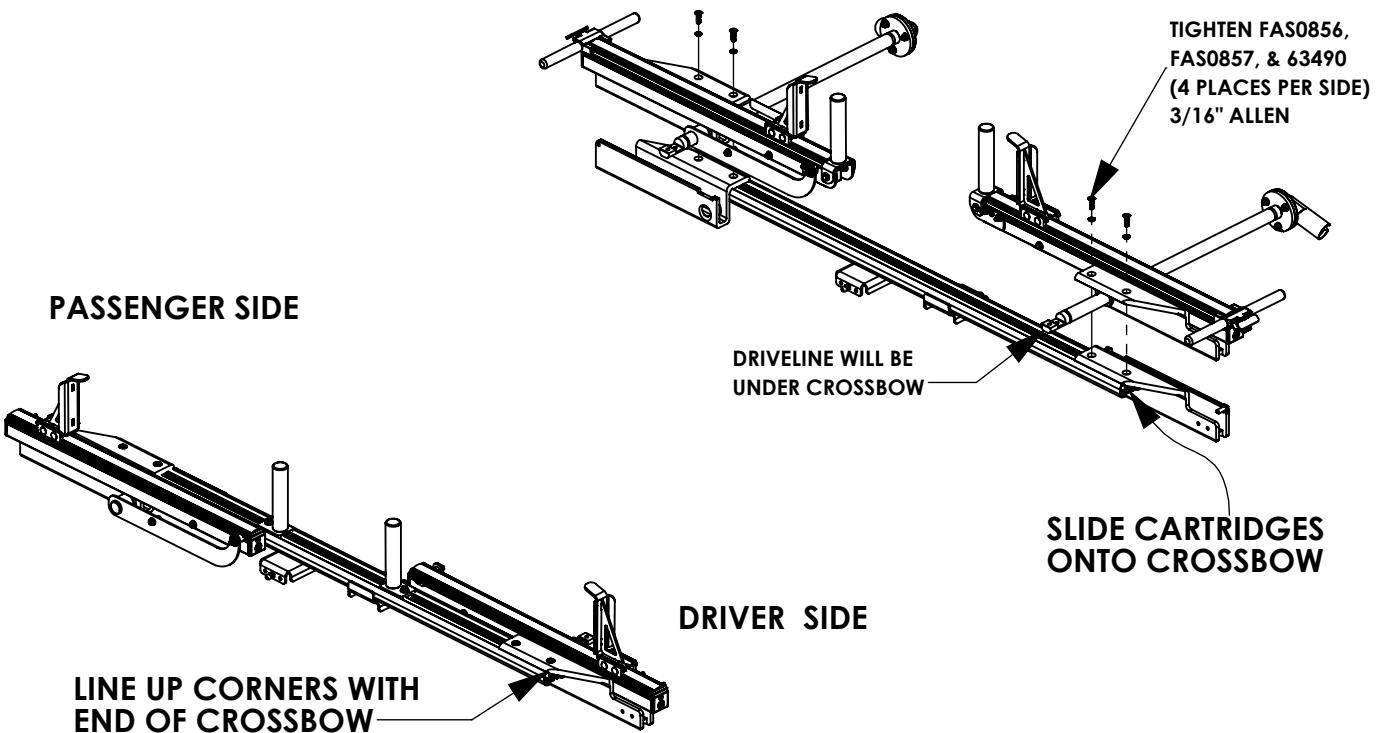
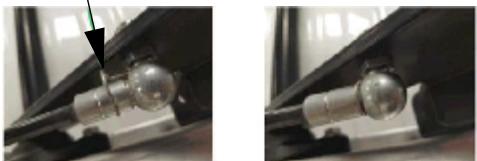
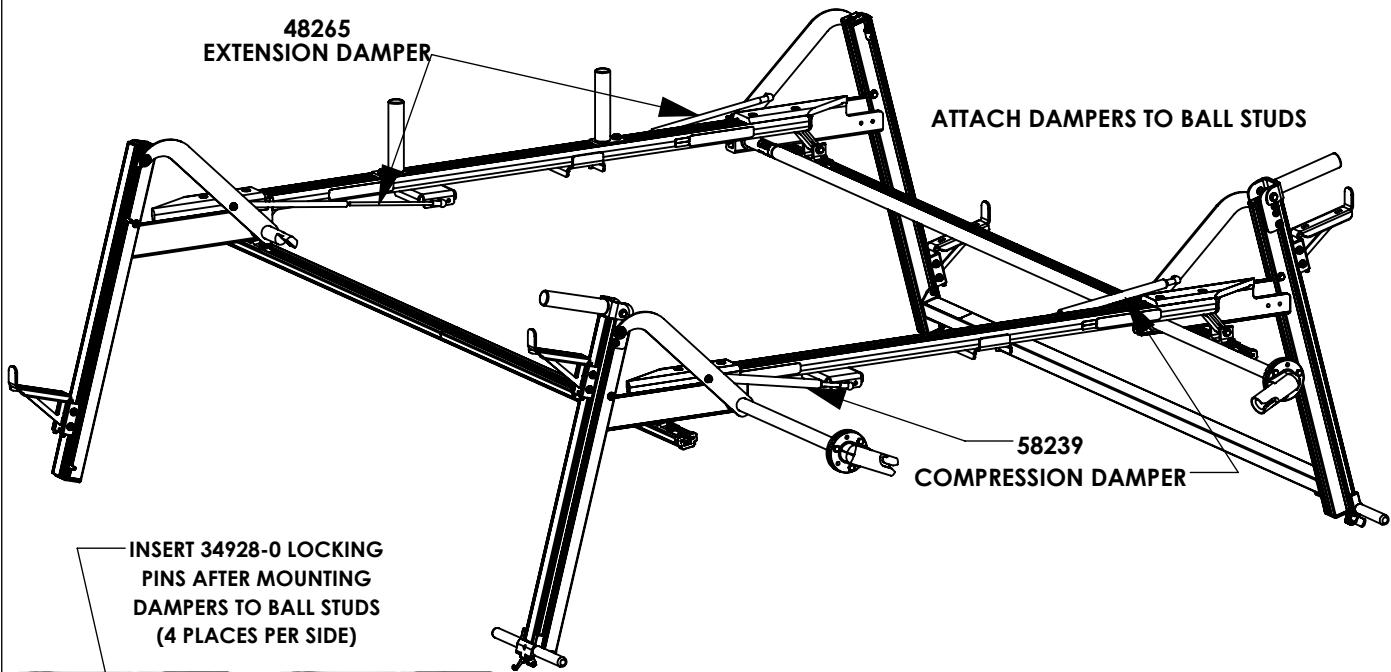
**BEGIN ASSEMBLY****STEP 1 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES****PASSENGER SIDE CARTRIDGES****REAR SUB-ASSEMBLY****FRONT SUB-ASSEMBLY****DRIVER SIDE CARTRIDGES****FRONT SUB-ASSEMBLY****REAR SUB-ASSEMBLY**

## STEP 2 - MOUNT DAMPER BRACKETS AND INNER STOPS TO CROSSBOWS

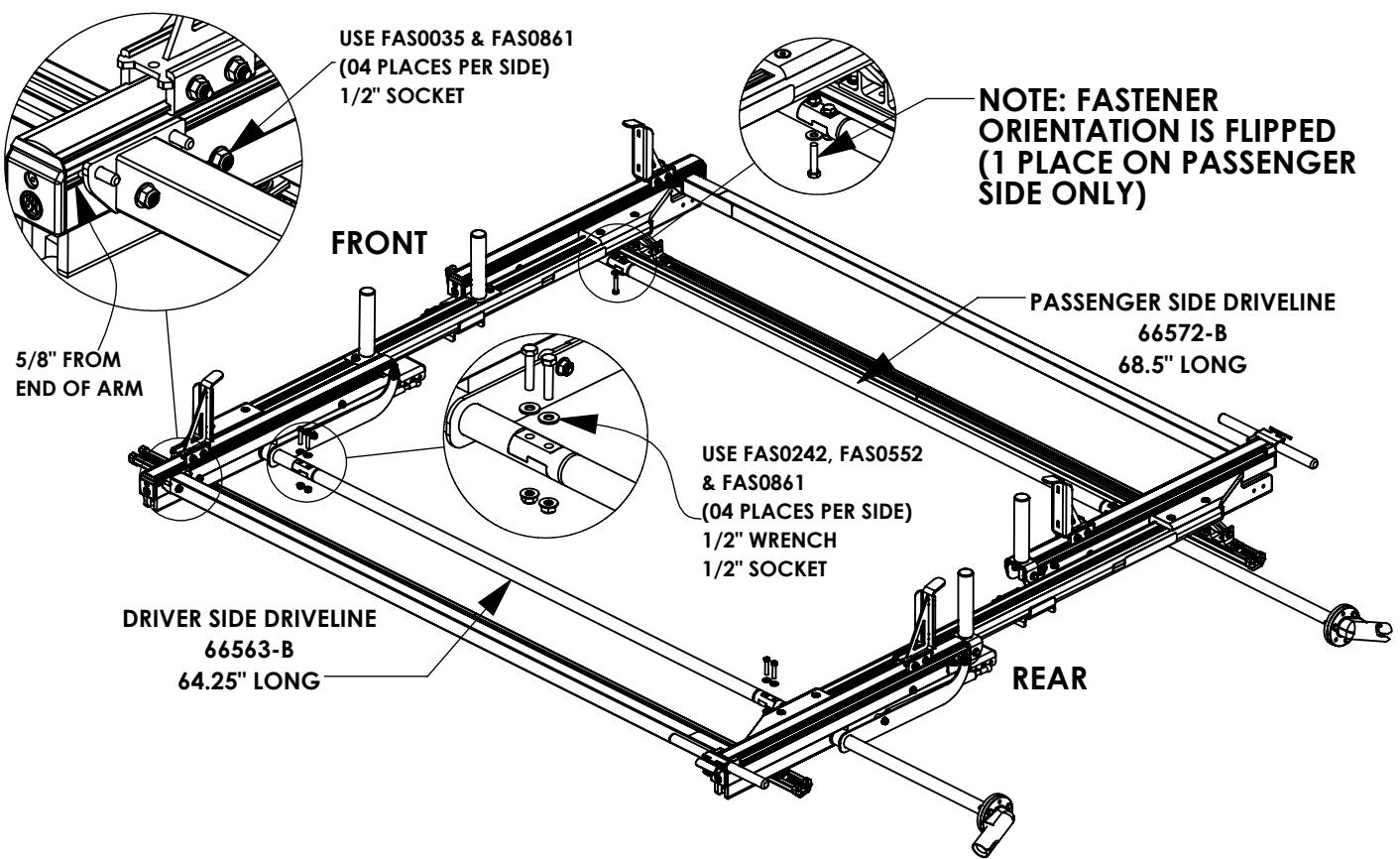


LOCATION IS APPROXIMATE AND WILL BE ADJUSTED LATER



**STEP 3 - INSTALL CARTRIDGES ON CROSSBOWS****STEP 4 - INSTALL DAMPERS**

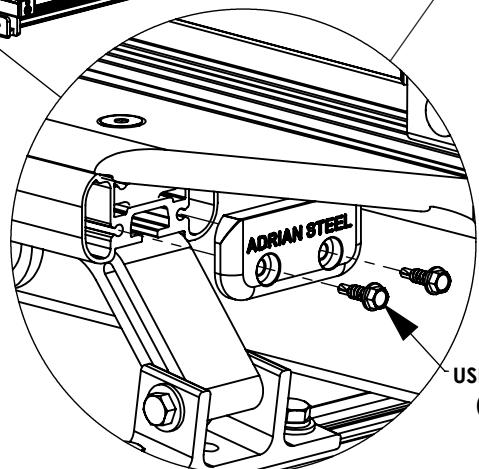
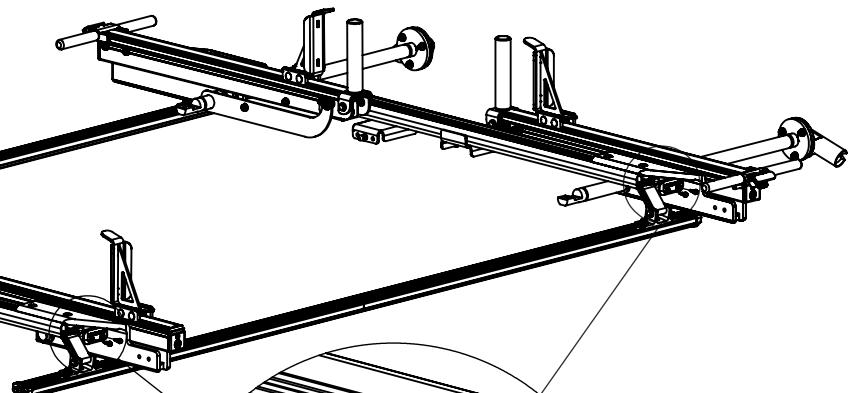
## STEP 5 - INSTALL O.S. BAR AND THEN THE DRIVELINE

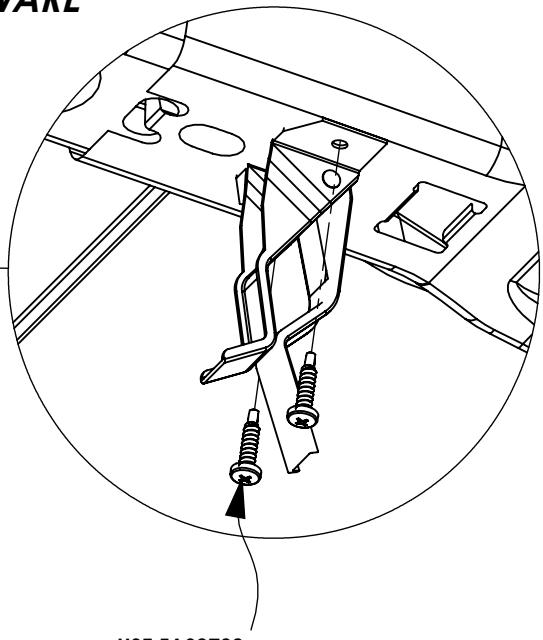
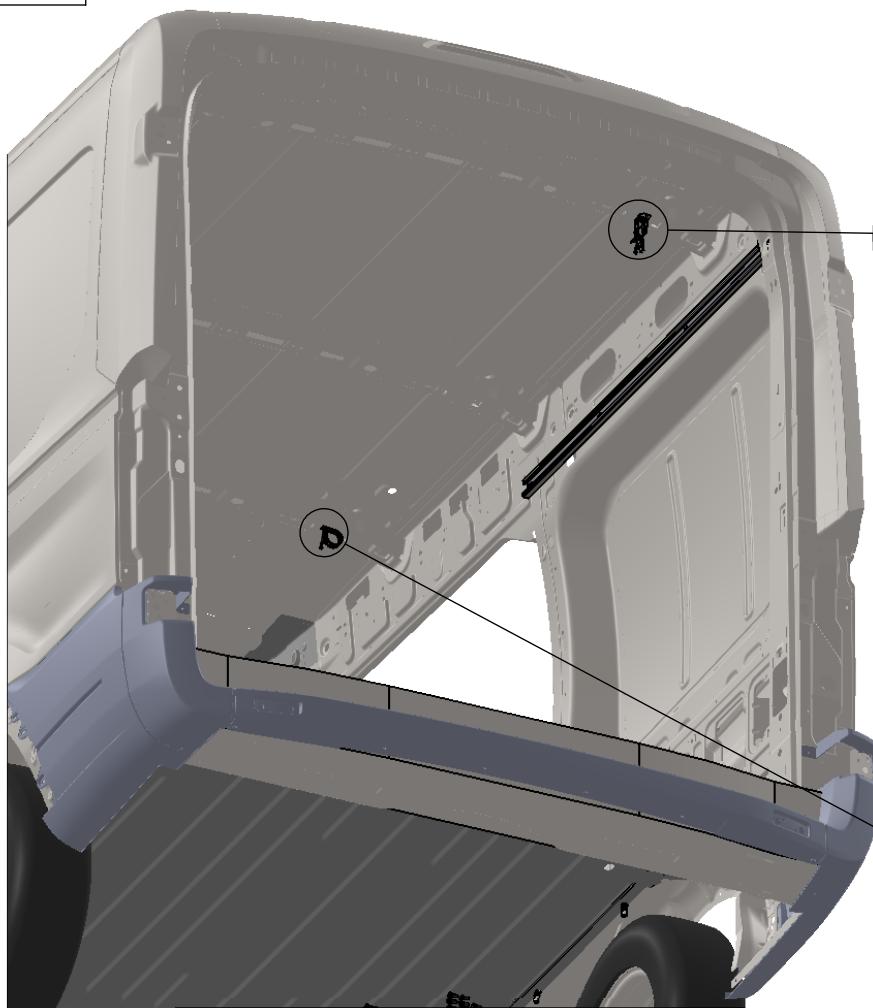


## STEP 6 - INSTALL CROSSBOW END CAPS

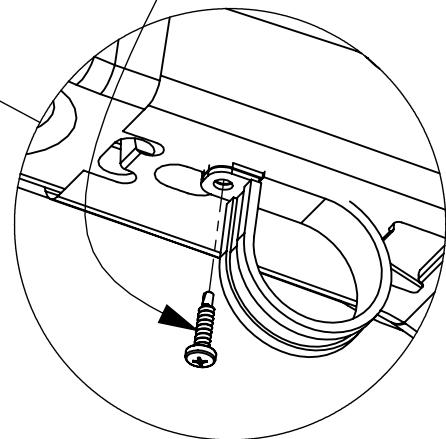
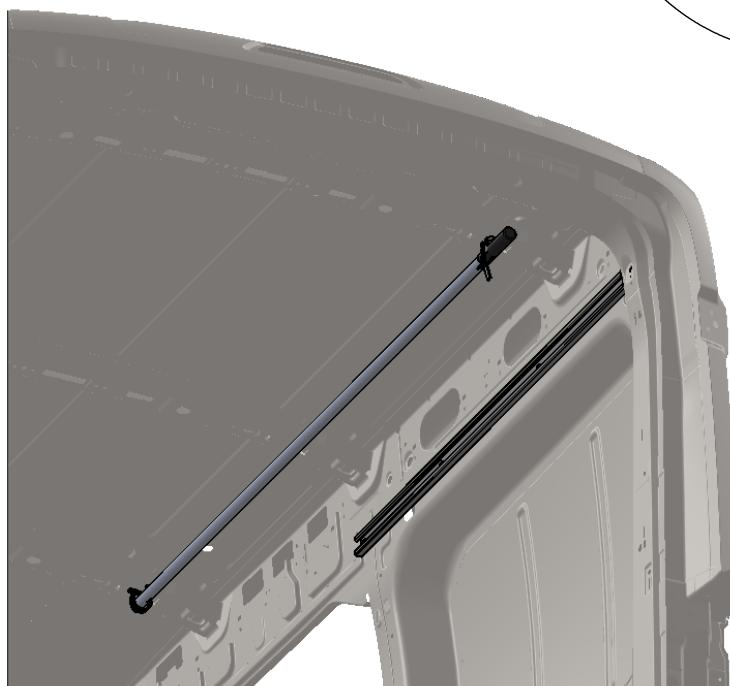
FOR EACH SIDE THAT A PROLIFT IS INSTALLED, DISCARD (2) END CAPS THAT ARE INCLUDED WITH THE CROSSBOW KIT.

SHOWN BELOW:



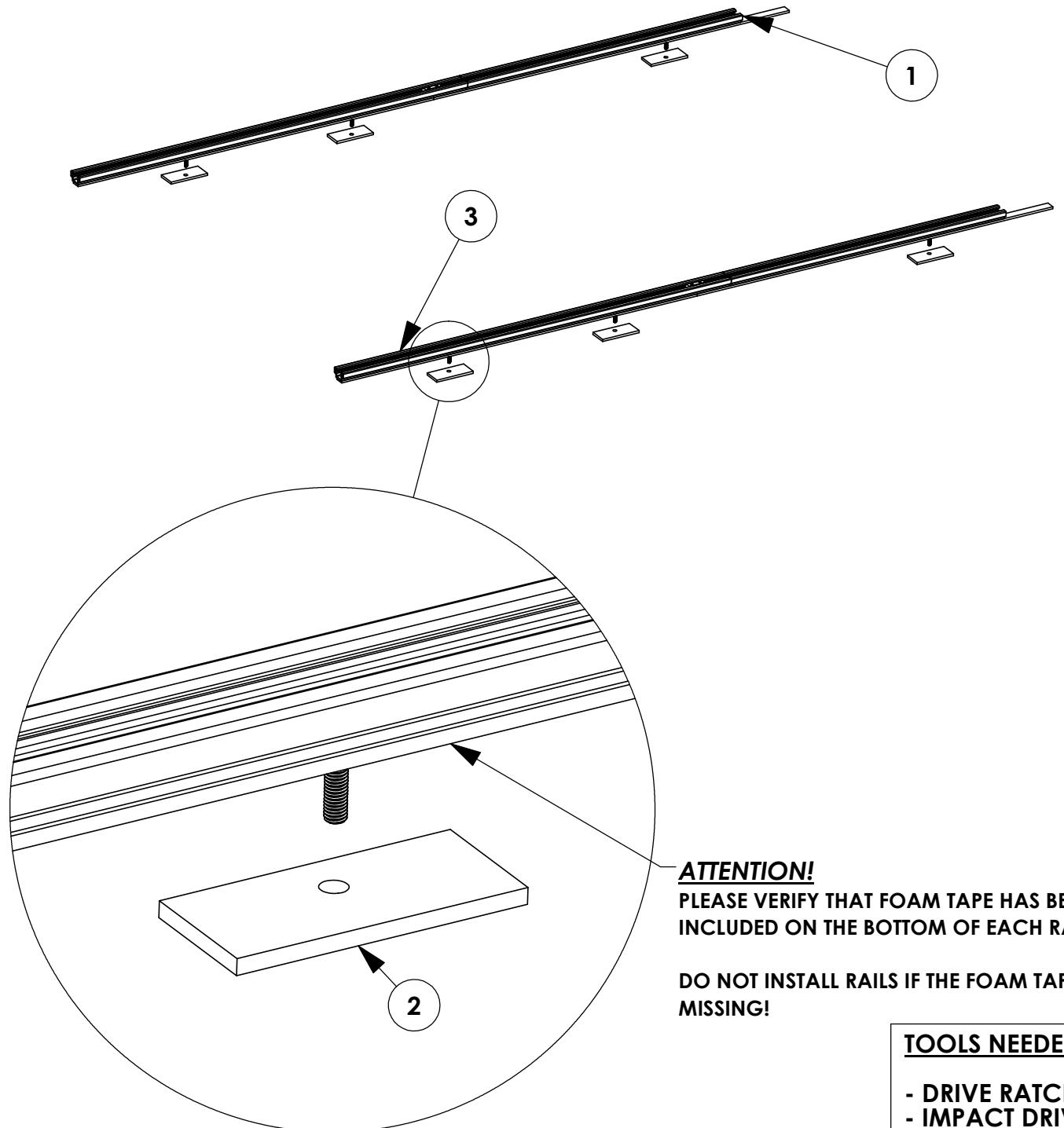
**STEP 7 - INSTALL HANDLE STORAGE HARDWARE**

USE FAS0782  
(03 PLACES)  
#2 PHILLIPS

**STEP 8 - CLIP HANDLE INTO STORAGE CLIP**

INSTR. NUMBER	79299	PG: 1	REV: A
PART NUMBER		RRKFT148MRHR	
PART DESC.		ROOF RAIL KIT FT FSV	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	79222	FT LWB HR/MR RAIL 1	2
2	52709	SPACER-PAD .25 TRANSIT LR LDRK	6
3	79223	FT LWB HR/MR RAIL 2	2



**TOOLS NEEDED:**

- DRIVE RATCHET
- IMPACT DRIVER
- 13mm SOCKET
- 5/32" HEX DRIVE
- M8-1.25 TAP
- TAPE MEASURE

**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 HARNESSES 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.

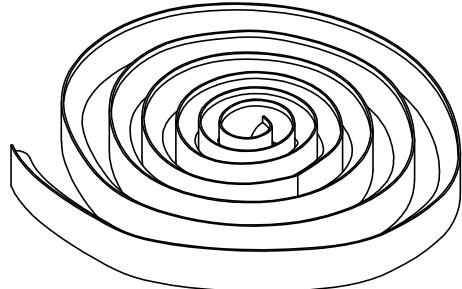
**PLUSNUT INSTALLATION** - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

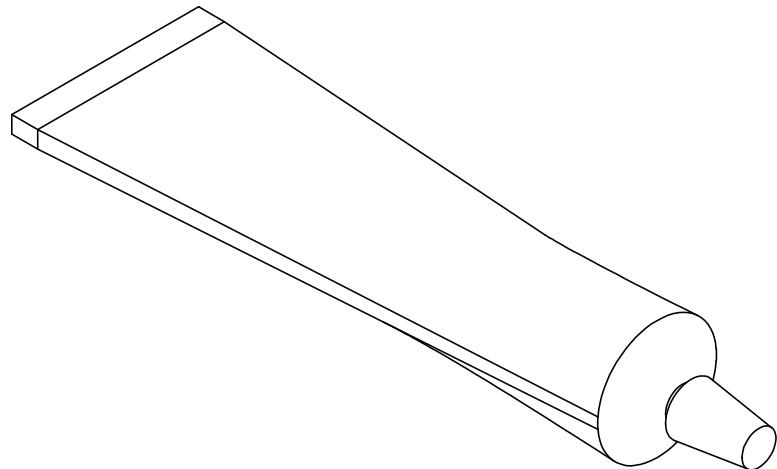
PAGE:

**3**

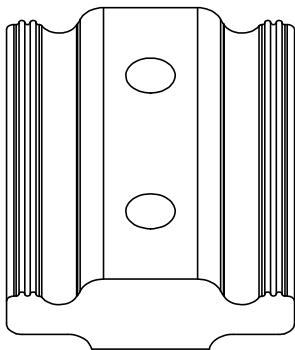
**FASTENERS AND HARDWARE USED**  
**BAG REFERENCE: BAGRKFTM & BAG63411**



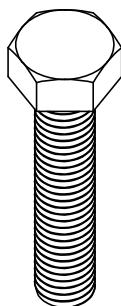
05586-0  
BUTYL TAPE  
1FT ROLL  
QTY: 1



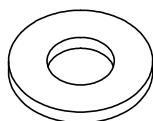
26618-0  
SILICONE  
1OZ TUBE  
QTY: 1



63491  
RAIL CONNECTOR, 2"  
QTY: 2



FAS0351  
SCREW, HH SS  
M8-1.25X40  
QTY: 6



FAS0552  
WASHER, FLAT  
5/16 SS  
QTY: 6



FAS0497  
SCREW, SET  
5/16-18X.75 SS  
QTY: 4

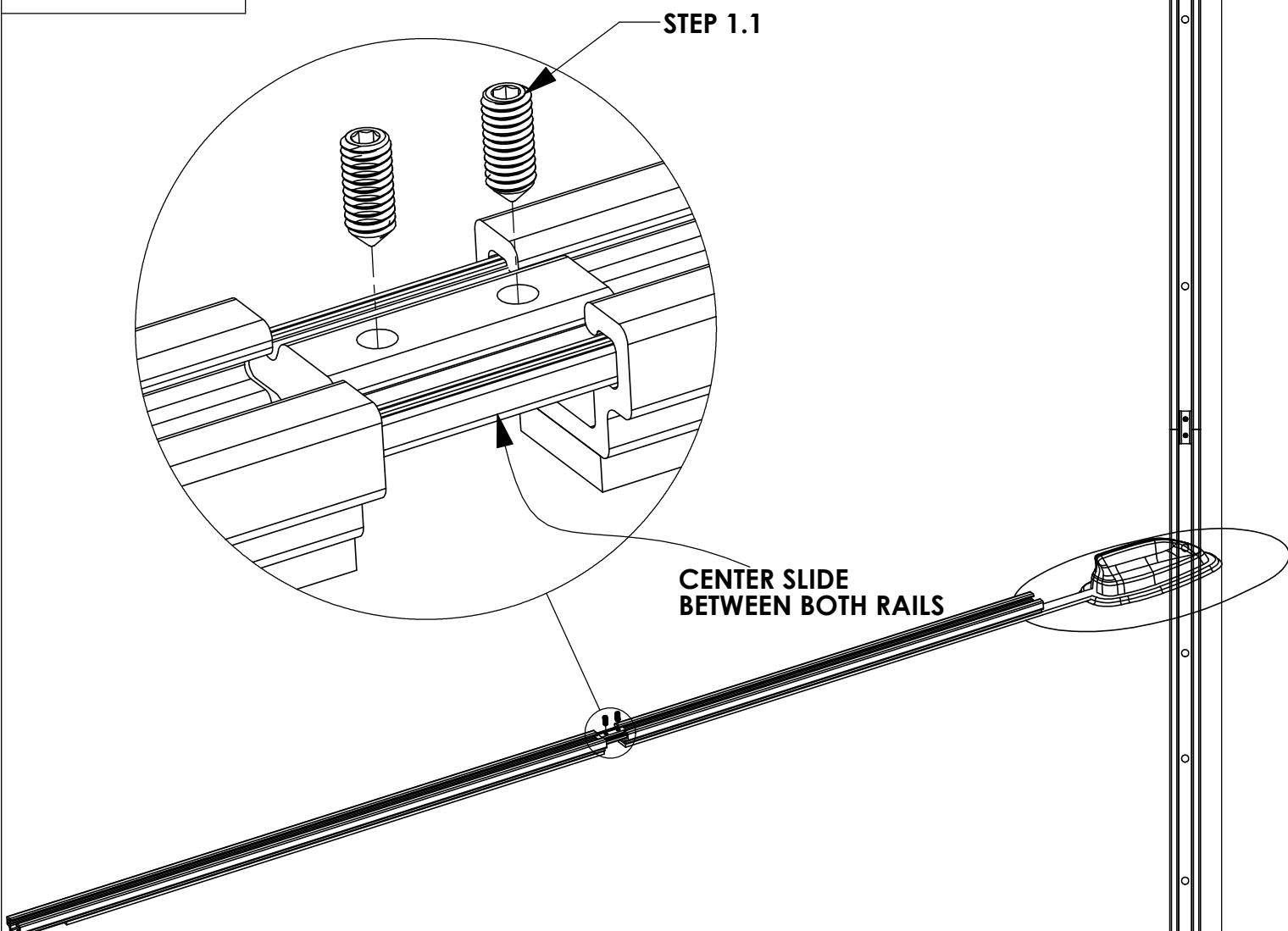


FAS0588  
WASHER, LCK  
SPLIT 5/16 SS  
QTY: 6

**PAGE INTENTIONALLY LEFT BLANK**

**STEP 1 - ASSEMBLE ROOF RAILS**

**STEP 1.1**  
**FULLY TIGHTEN**  
**63491, (02) FAS0497**  
**(02 PLACES)**  
**5/32" HEX DRIVE**



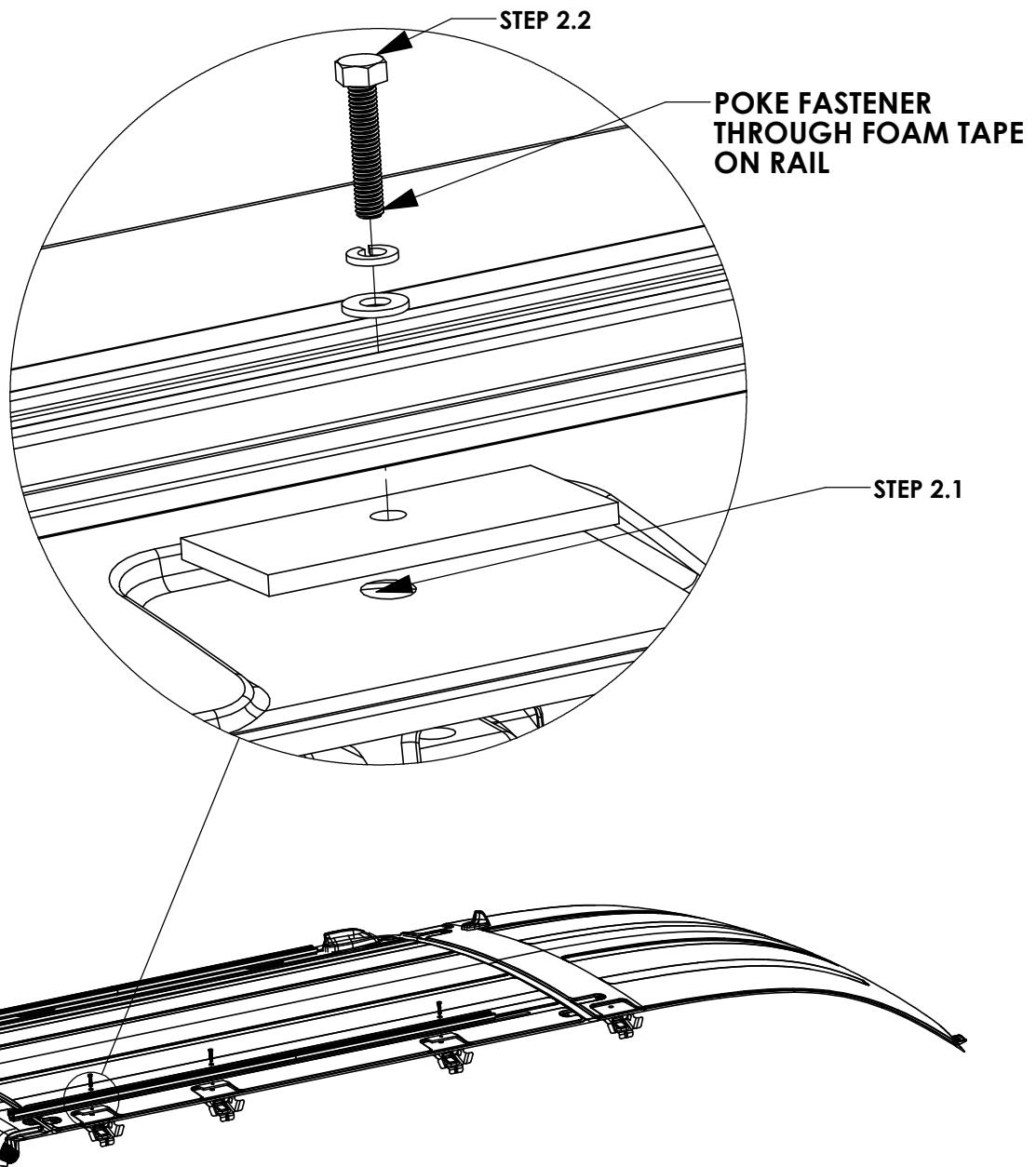
**STEP 2 - INSTALL ROOF RAILS ONTO VEHICLE ROOF**

**STEP 2.1**  
REMOVE OEM  
PLASTIC PLUG

USE M8-1.25 TAP  
TO CLEAR THREAD  
OF OEM WELD NUT  
(IF NECESSARY)

ROOF HOLE  
CLEARANCING  
MAY BE  
NECESSARY DO TO  
OEM ROOF  
TOLERANCE

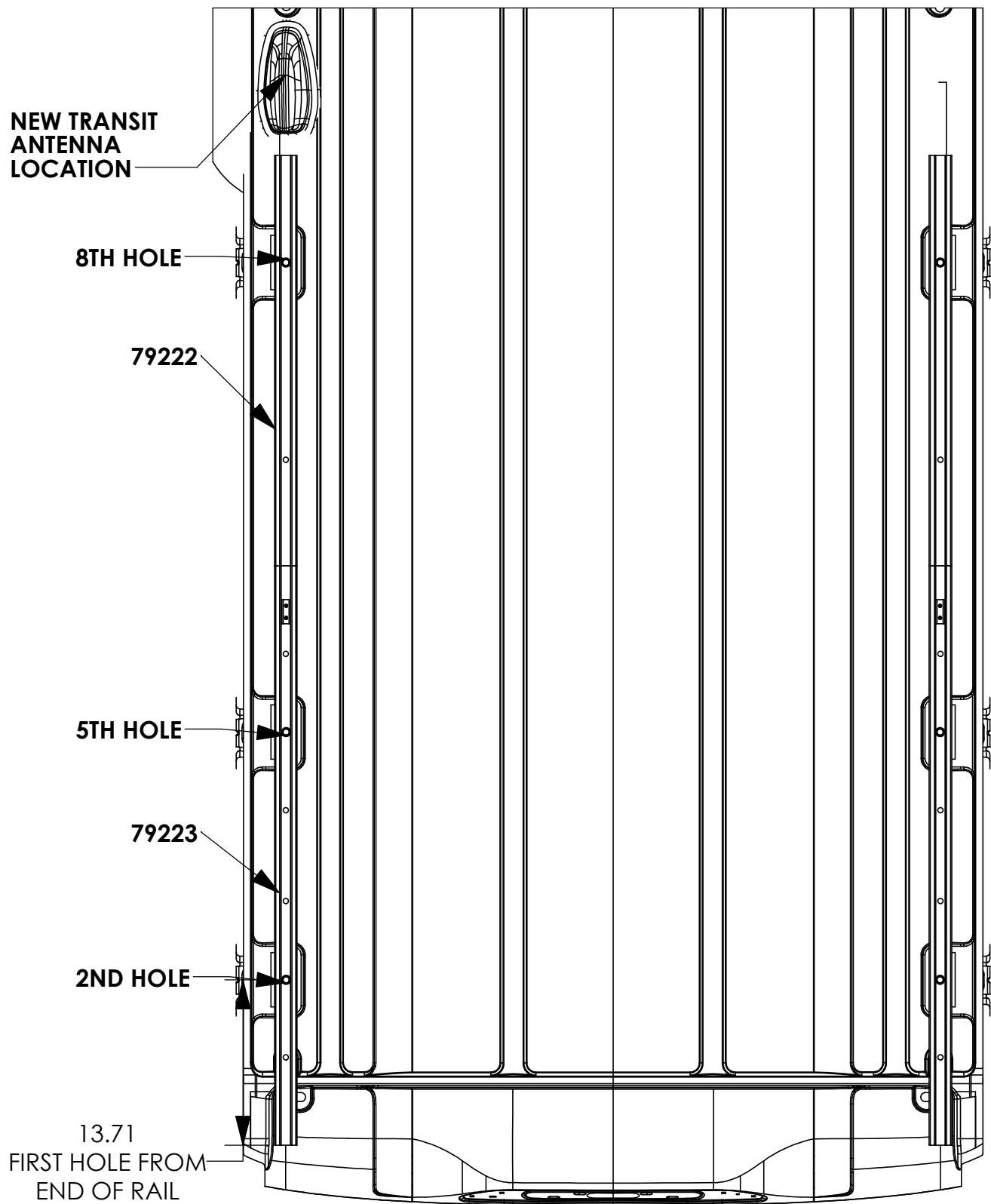
**STEP 2.2**  
FULLY TIGHTEN  
FAS0351, FAS0552,  
FAS0588  
(06 PLACES)  
13mm SOCKET



**ADD SILICONE TO FILL CAVITY OF EACH OEM WELD NUT IN  
VEHICLE ROOF AND BUTYL TAPE UNDER WASHERS ON BOLT**



## FRONT OF VEHICLE



## REAR OF VEHICLE

NEW TRANSIT ANTENNA  
LOCATION FORWARD ON  
ROOF  
(NOT SHOWN)

FRONT OF VEHICLE

79223

6TH HOLE

3RD HOLE

79222

2ND HOLE

25.20

FIRST HOLE FROM  
END OF RAIL

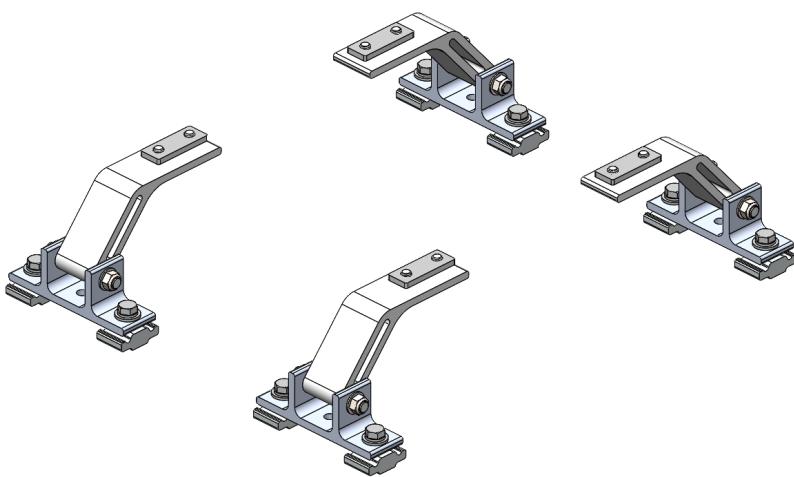
REAR OF VEHICLE

## Mounting Bracket Kit, 4-Pack, White, Multiple Pickups

**PRODUCT WEIGHT  
4.0 LBS**

*HEIGHT OFF ROOF*

**SEE TABLE BELOW**



**CAPACITY  
REFER TO OEM'S  
RECOMMENDED LOAD  
RATING**

**COLOR**

**WHITE**

*CATALOG NUMBER*

**URMBK4W**

### *PRODUCT FEATURES*

**Aluminum mounting bracket kit for the PROFILE™ HD Utility, Grip-Lock, and/or ProLift ladder racks. Only works with the OEM specific, Adrian Steel supplied roof rail kit.**

**Utility and Grip-Lock racks are not recommended for medium or high roof vehicles!**

**Reference respective OEM specific roof rail kit for more detailed list of compatible accessories.**

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

**PAGE 1 of 2**

The information contained in this document is the sole property of ADRIAN STEEL COMPANY. ADRIAN STEEL COMPANY retains the right to modify and/or change the product of its design at any time without prior notification.



CATALOG NUMBER

**URMBK4W**

**PRODUCT APPLICATION**

**This product is designed to work with OEM specific rail kit for HD Utility, Grip-Lock, and/or ProLift racks. HD Utility and Grip-Lock racks are not recommended for medium or high roof vehicles!**

**ACCESSORIES THAT WILL WORK WITH THIS PRODUCT**

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
RRKFT	Mounting Roof Rail Kit, Transit	RRKNVFSV	Mounting Roof Rail Kit, NV
RRKSP	Mounting Roof Rail Kit, Sprinter	RRKPM	Mounting Roof Rail Kit, ProMaster, 118" WB, 159" WB, 159" WB Extended
RRKPM136WB	Mounting Roof Rail Kit, ProMaster, 136" WB	RRKSBTOP	Mounting Roof Rail Kit, Multiple Pickups
RRKLBTOP	Mounting Roof Rail Kit, Multiple Pickups		

**Reference respective OEM specific roof rail kit for more detailed list of compatible accessories.**

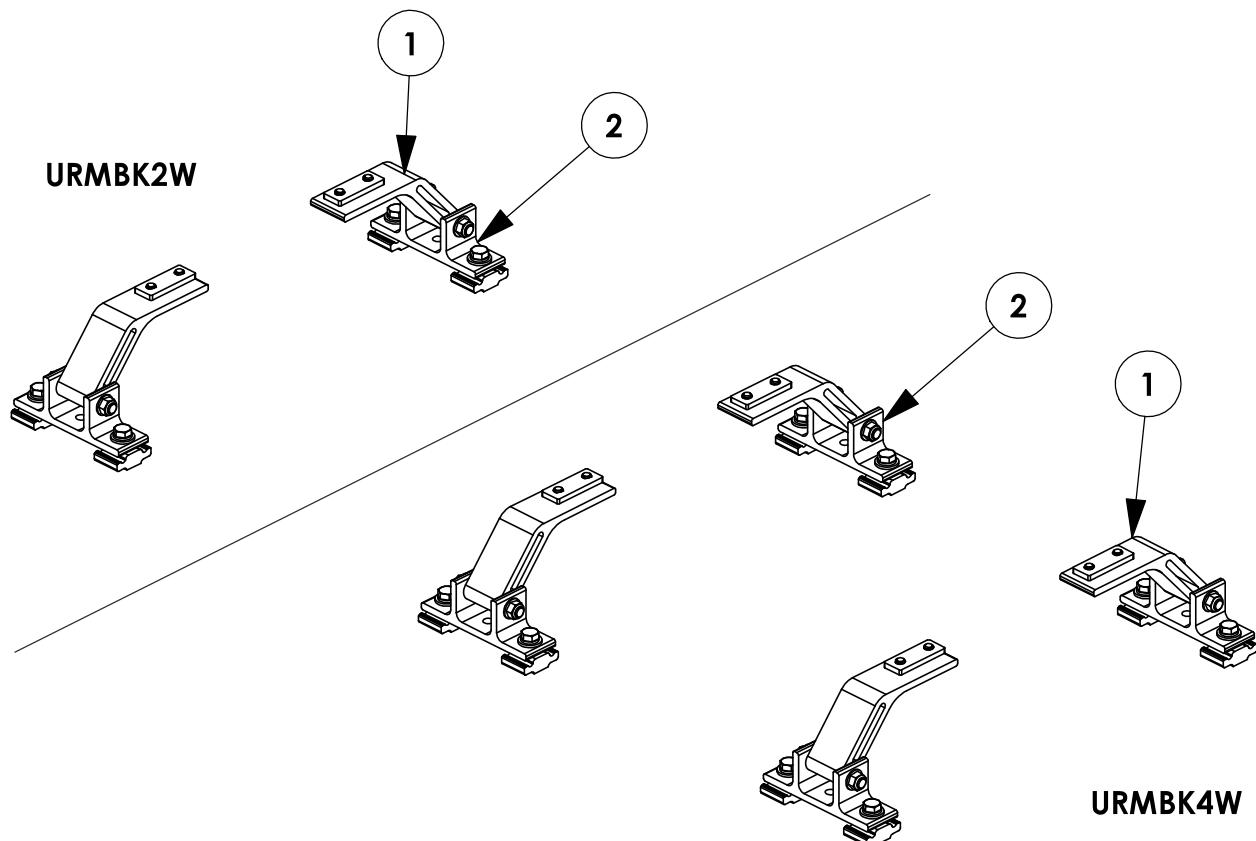
INSTR. NUMBER	66850	PG: 1	REV: E
PART NUMBER	<b>URMBK</b>		
PART DESC.	• UTILITY,MNT BKT KT,RAIL		

ITEM NO.	PART NUMBER	DESCRIPTION	URMBK4W	URMBK2W
1	65123-W	UTILITY,FT MOUNT ARM,ST,W	4	2
2	63852-W	UTILITY, MOUNTING BRKT, W	4	2

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

**NOTE: THIS INSTRUCTION IS  
VALID FOR THE FOLLOWING  
KITS:**

- URMBK4W
- URMBK4B
- URMBK2W
- URMBK2B



**TOOLS NEEDED:**

- DRIVE RATCHET
- IMPACT DRIVER
- 3/16" SOCKET
- 1/2" SOCKET
- 1/2" WRENCH
- TAPE MEASURE

**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 HARNESSES 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:

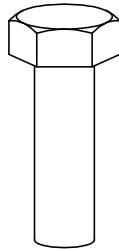
**3**

**FASTENERS AND HARDWARE USED**

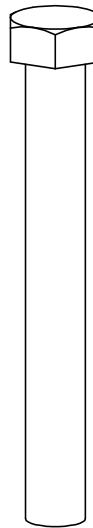
BAG REFERENCE: BAG66848



**FAS0858**  
5/16-18X.63  
FHH SCREW  
QTY: 8



**FAS0597**  
5/16-18X1.0 SS  
HH SCREW  
QTY: 8



**FAS0243**  
5/16-18X2.5 SS  
HH SCREW  
QTY: 4



**FAS0857**  
5/16 SS WASHER,  
LOCK EXT CS  
QTY: 8



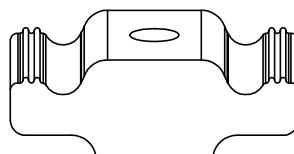
**FAS0588**  
5/16 SS  
SPLIT WASHER  
QTY: 8



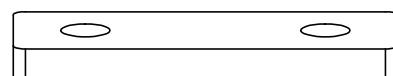
**FAS0552**  
5/16 SS  
FLAT WASHER  
QTY: 12



**FAS0861**  
5/16-18 SS  
HH FLG NUT  
QTY: 4



**63490**  
RAIL SLIDE,  
1"  
QTY: 8



**68042**  
PROFILE FOOT  
MOUNTING PLATE  
QTY: 4

**PAGE INTENTIONALLY LEFT BLANK**

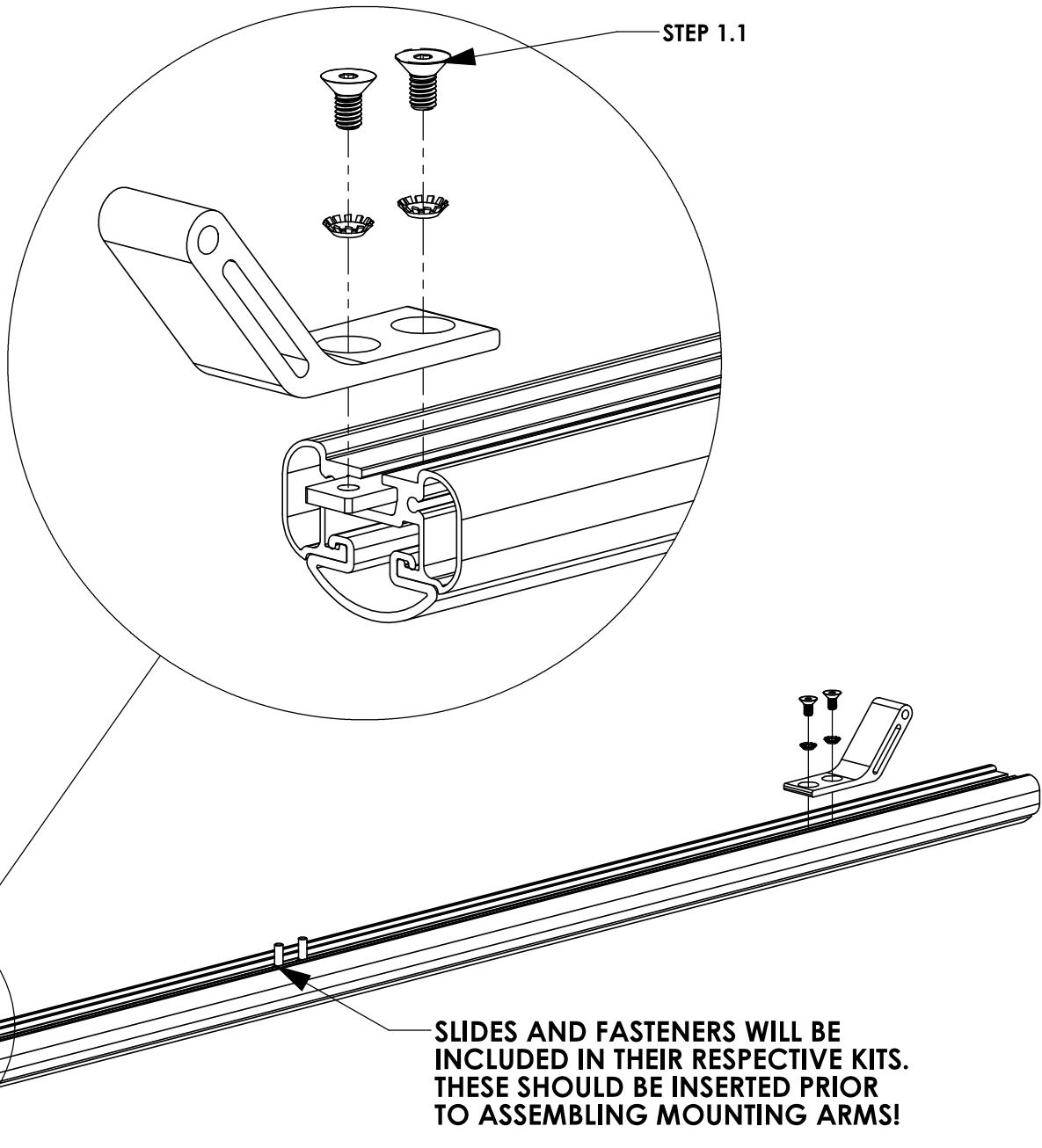
**STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW**

CHECK TABLE 1-3 IN INSTRUCTION 68895 FOR ADDITIONAL ACCESSORY SLIDE INSTALLATION BEFORE INSTALLING MOUNTING BRACKETS (ALL A.2 ITEMS SHOULD BE COMPLETELY ASSEMBLED FIRST!)

**STEP 1.1**  
LOOSELY ASSEMBLE  
UNTIL AFTER STEP 3  
(2) FAS0857, (2)  
FAS0858, 68042  
  
(02 PLACES PER  
CROSSBOW)  
3/16" ALLEN

**ATTENTION!**

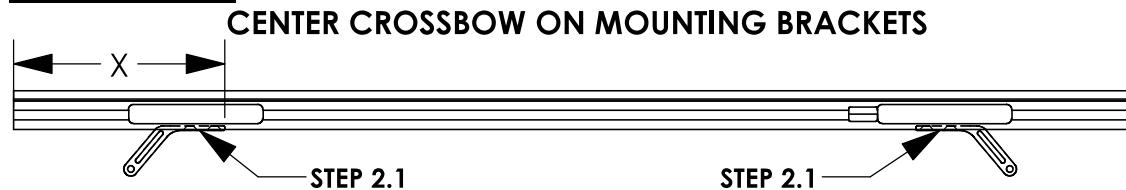
IF INSTALLING A GRIP-LOCK ON A PICKUP TRUCK TOPPER, ASSEMBLE MOUNTING ARMS FACING OUTWARD FOR THAT SIDE OF THE RACK



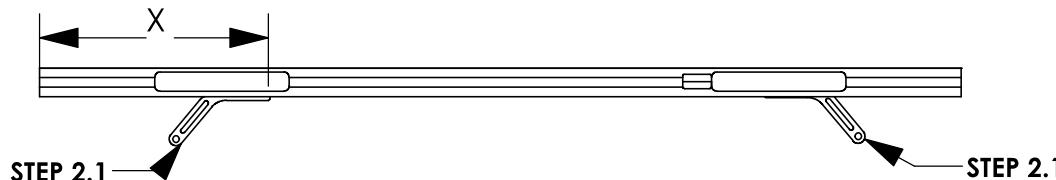
## STEP 2 - SECURE CROSSBOW

**STEP 2.1**  
**FULLY TIGHTEN**  
**FROM STEP 1.1**

(04 PLACES PER  
CROSSBOW)  
3/16" ALLEN

FULL SIZE VANS

**DIMENSION WILL  
VARY BASED ON  
ROOF RAIL  
PLACEMENT ON  
TOPPER**

PICKUP TRUCK TOPPERS

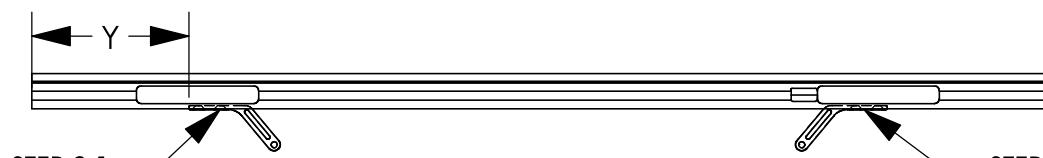
FEET ORIENTATION FOR DUAL PROLIFT SHOWN



GRIP-LOCK SIDE

PROLIFT SIDE

FEET ORIENTATION FOR COMBO RACK SHOWN



FEET ORIENTATION FOR DUAL GRIP-LOCK SHOWN

**MOUNTING FEET  
FOR GRIP LOCK SIDE  
OF COMBO RACK  
WILL FACE  
OUTWARD FROM  
ROOF CENTERLINE  
ON TOPPER**

**CROSSBOW LENGTH****DIMENSION "X" (in.)  
- PROLIFT****DIMENSION "Y" (in.)  
- GRIPLOCK**

**48" (PROLIFT)**

MINIMUM 10 1/8"

N/A

**53" (COMBO)**

MINIMUM 10 1/8"

MAX 7 1/8"

**58" (GRIP-LOCK)**

N/A

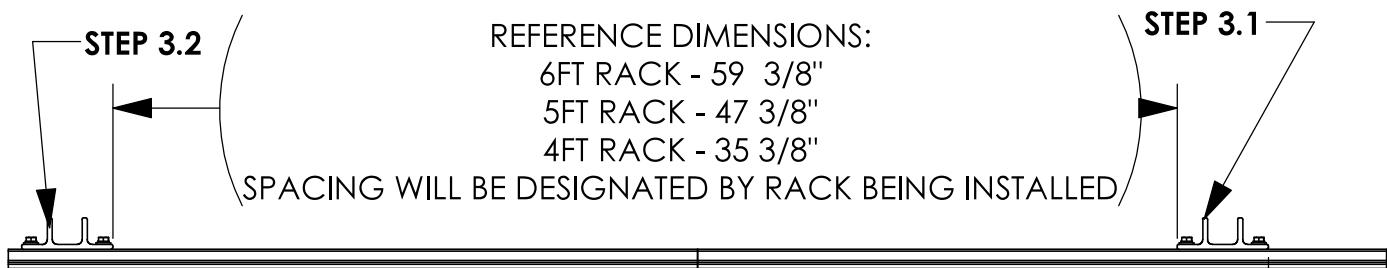
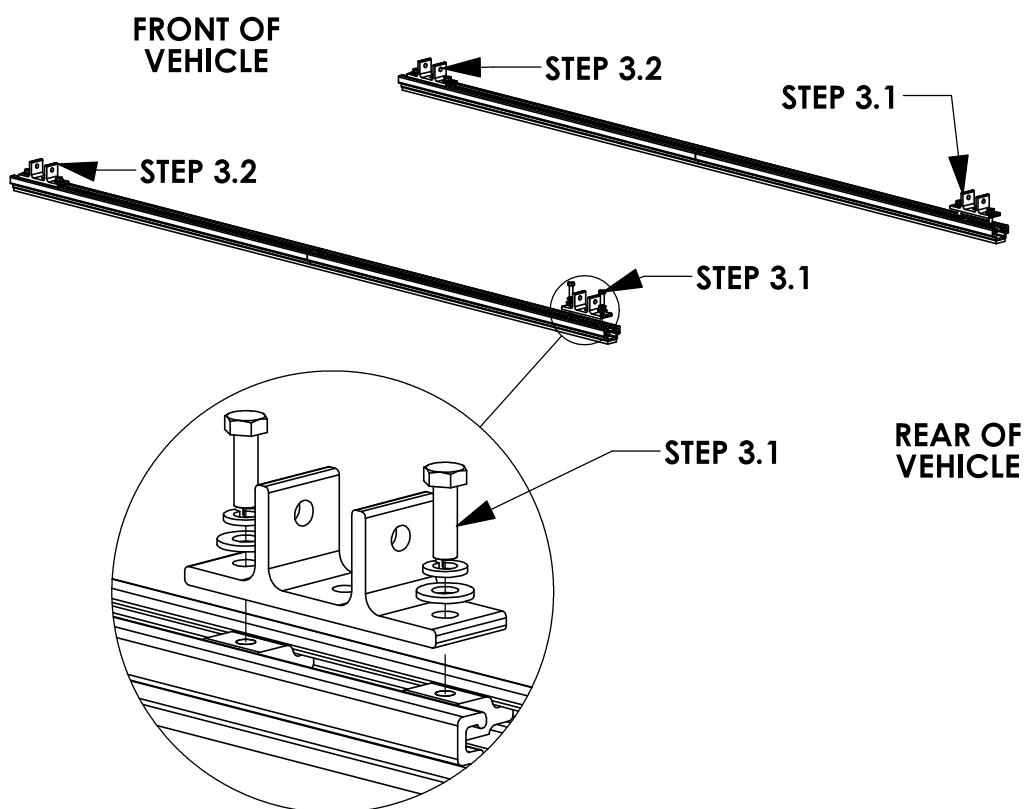
MAX 7 1/8"

NOTE - THESE DIMENSIONS ARE APPROXIMATE AND WILL VARY  
SLIGHTLY WITH ANY TOLERANCE IN THE BUILD OF THE VEHICLE

## STEP 3 - ASSEMBLE LOWER MOUNTING FOOT TO ROOF RAIL

**STEP 3.1**  
**FULLY TIGHTEN**  
**FAS0597, FAS0552,**  
**FAS0588, 63490 ON**  
**REAR MOUNTING FEET**  
  
**(02 PLACES PER**  
**MOUNTING FOOT)**  
**1/2" SOCKET**

**STEP 3.2**  
**LEAVE LOOSE UNTIL**  
**AFTER STEP 4**  
**FAS0597, FAS0552,**  
**FAS0588, 63490 ON**  
**FRONT MOUNTING**  
**FEET**  
  
**(02 PLACES PER**  
**MOUNTING FOOT)**  
**1/2" SOCKET**



**FRONT OF**  
**VEHICLE**

**X**  
**REAR OF**  
**VEHICLE**

**HD UTILITY RACK -**

**REAR CROSSBOW - REARWARD AS POSSIBLE**  
**FRONT CROSSBOW- POSITION TO BEST FIT END USER'S PRODUCT**

FORD TRANSIT		RAM PROMASTER		MERCEDES SPRINTER	
ROOF HEIGHT/ WHEELBASE	POSITION X (IN)	ROOF HEIGHT/ WHEELBASE	POSITION X (IN)	ROOF HEIGHT/ WHEELBASE	POSITION X (IN)
LOW ROOF	7.5	LR 118	10	LR 144	10.5
MID ROOF	7.5	LR 136	10	HR 144	12.5
HIGH ROOF	7.5	HR 136	10	HR 170	12.5
HIGH ROOF EXT	7.5	HR 159/159 EXT	10	HR 170 EXT	12.5

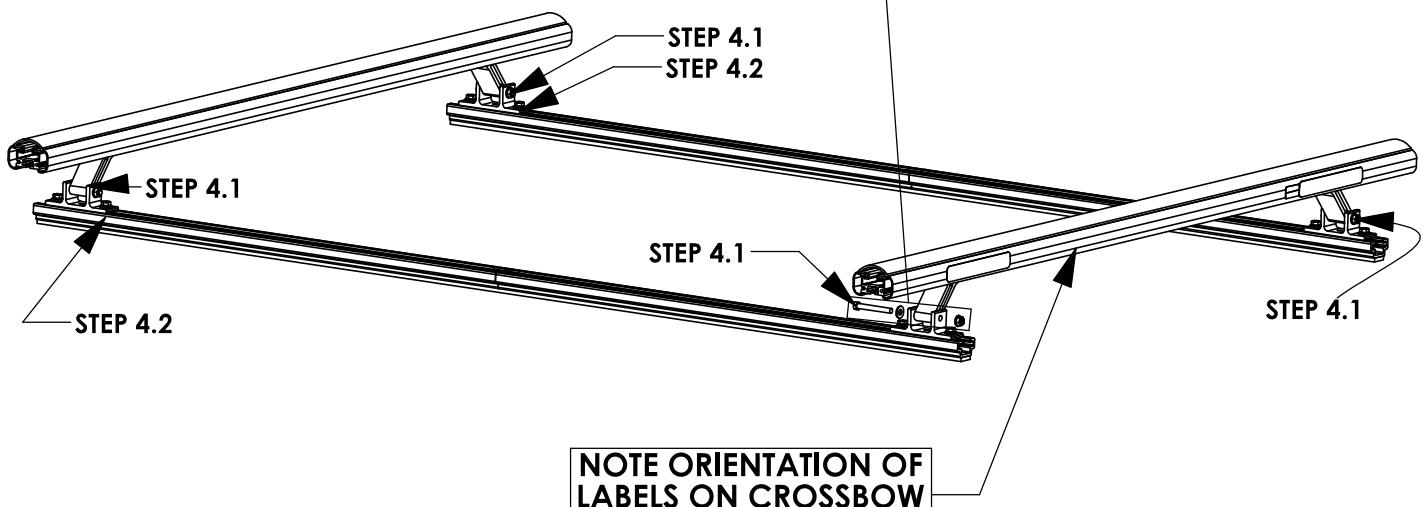
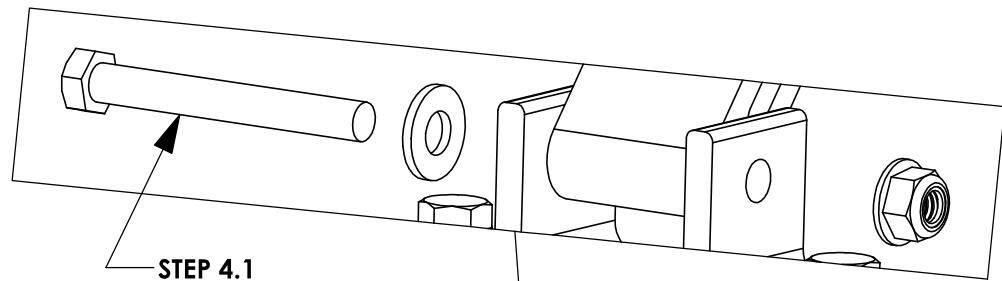
**STEP 4 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS****BEFORE PROCEEDING WITH THIS STEP FINISH ASSEMBLING  
ACCESSORIES ONTO RACK. (IE GRIP LOCK, PROLIFT, ETC)**

**STEP 4.1**  
**FULLY TIGHTEN**  
**FAS0243, FAS0552,  
FAS0861**

(02 PLACES PER  
CROSSBOW)  
1/2" SOCKET  
1/2" WRENCH

**STEP 4.2**  
**FULLY TIGHTEN**  
**FAS0597, FAS0552,  
FAS0588, 63490 ON  
FRONT MOUNTING  
FEET**

(02 PLACES PER  
MOUNTING FOOT)  
1/2" SOCKET

**REFERENCE - NO ACCESSORIES SHOWN**

## STEP 5 - ADJUST MOUNTING BRACKET LOCATION IF NECESSARY

### CROSSBOW POSITIONING NOTES:

#### **HD UTILITY RACK -**

REAR CROSSBOW - REARWARD AS POSSIBLE  
FRONT CROSSBOW - POSITION TO BEST FIT END USER'S PRODUCT

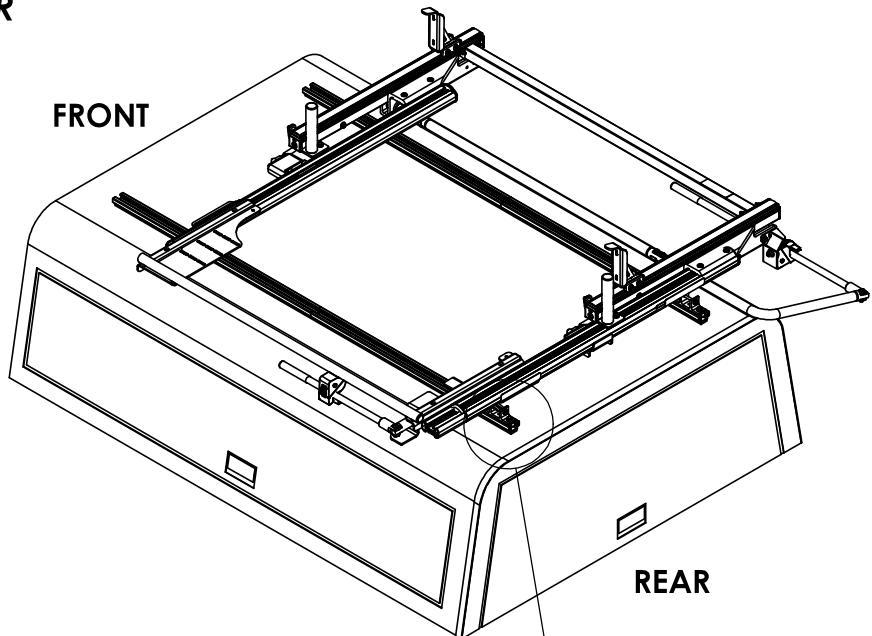
#### **GRIP LOCK/PROLIFT LADDER RACKS -**

1/2" FROM END OF RAIL UNLESS OTHERWISE STATED IN RESPECTIVE INSTRUCTION FOR CROSSBOW PLACEMENT.

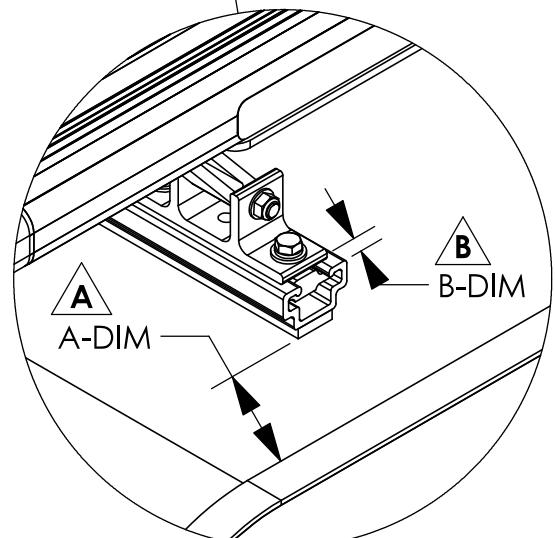
#### **6' ARE TOPPER / 8' LEER TOPPER**

**A** OPTIMAL RAIL KIT POSITION:  
TOPPER ROOF RAIL KIT END TO BE  
A-DIM FROM BLACK TOPPER TRIM

**B** UTILITY MOUNTING BRACKET:  
REAR MOUNTING BRACKETS WILL  
BE B-DIM FROM THE END OF THE  
ROOF RAIL KIT



TOPPER/ DIMENSION	6' ARE TOPPER	8' LEER TOPPER
A-DIM	3.00"	1.00"
B-DIM	0.50"	0.50"



#### NOTE:

IF RAILS HAVE BEEN PREVIOUSLY INSTALLED, LOOSEN TOPPER RAIL BRACKET RAIL SLIDES AND ADJUST TO MEET DESIRED POSITIONING

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



**PRODUCT WEIGHT  
16.1 LBS**

**CROSSBOW LENGTH X  
HEIGHT**

**59" x 2"**

**CAPACITY**

**REFER TO OEM'S  
RECOMMENDED LOAD  
RATING**

**COLOR**

**WHITE**

**CATALOG NUMBER**

**2BARCW**

**PRODUCT FEATURES**

Aluminum base 2-crossbow kit for PROFILE™ HD Utility, grip lock, drop down, or combo ladder racks. Works with all compact van platforms for each respective wheelbase and Ford Transit Ship Thru. Works with and without OEM specific rail kit and generic mounting bracket kits.

Optional uprights and conduit kits available.

Please refer to OEM specific mounting kit or rail kit for additional information on compatible accessories.

# INSTALLATION GUIDE FOR PROFILE™ SERIES LADDER RACKS

INSTRUCTION #:  
**68895**

REV:  
**C**



THIS INSTRUCTION PROVIDES A GENERAL GUIDE OF INSTALLATION SEQUENCE FOR ALL PROFILE™ SERIES LADDER RACKS. PLEASE ENSURE ALL ACCESSORIES ARE INSTALLED PER TYPE OF RACK BEFORE PROCEEDING TO NEXT PAGE.

REFERENCE THIS INSTRUCTION THROUGHOUT THE ENTIRETY OF YOUR INSTALL TO PREVENT ACCESSORIES BEING INSTALLED INCORRECTLY/OUT OF SEQUENCE!

*STEPS 2T - 8T ON PAGE 3 IS THE RECOMMENDED ASSEMBLY SEQUENCE FOR A FULL TABLE ASSEMBLY BEFORE INSTALLING ON THE ROOF OF THE VEHICLE.*

*STEPS 2R - 8R ON PAGE 4 IS AN ALTERNATE ASSEMBLY SEQUENCE TO INSTALL THE RACK ON THE VEHICLE ROOF AS IT IS BUILT.*

PLEASE SELECT THE ASSEMBLY SEQUENCE THAT BEST WORKS FOR YOU!

## ASSEMBLY STEPS:

**STEP 1A.** *SUB-ASSEMBLE EACH CROSSBOW WITH DESIRED ACCESSORIES FOR SECTIONS A.1 & A.2.*

*INSTRUCTIONS FOR EACH KIT CAN BE FOUND IN THEIR RESPECTIVE CARTON!*



## TABLE 1

### TOP OF CROSSBOW

	COMPONENTS TO INSTALL	
A.1	<u>HD UTILITY</u>	- CONDUIT KIT OR BEACON
	<u>Grip-Lock</u>	- CONDUIT KIT OR BEACON
	<u>ProLift</u>	- CONDUIT KIT OR BEACON

### BOTTOM OF CROSSBOW

	COMPONENTS TO INSTALL	
A.2	<u>HD UTILITY</u>	- LADDER STOP, STROBE BRACKET, AND/OR REAR ROLLER
	<u>Grip-Lock</u>	- Grip-Lock SUB-ASSEMBLY
	<u>ProLift</u>	- DAMPER BRACKET

**STEP 1B. SUB-ASSEMBLE EACH CROSSBOW WITH DESIRED ACCESSORIES FOR SECTIONS B.1 & B.2. INSTRUCTIONS FOR EACH KIT CAN BE FOUND IN THEIR RESPECTIVE CARTON!**



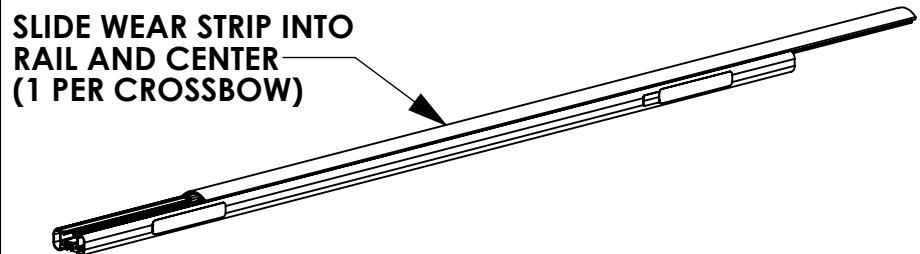
**TABLE 2**

<b>TOP OF CROSSBOW</b>		
COMPONENTS TO INSTALL		
<b>B.1</b>	<u>HD UTILITY</u>	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	<u>Grip-Lock</u>	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	<u>ProLift</u>	- INNER STOP POST
<b>BOTTOM OF CROSSBOW</b>		
COMPONENTS TO INSTALL		
<b>B.2</b>	<u>HD UTILITY</u>	- MOUNTING BRACKETS
	<u>Grip-Lock</u>	- MOUNTING BRACKETS
	<u>ProLift</u>	- MOUNTING BRACKETS

**ALTER WEAR STRIP AND INSTALL ON CROSSBOW (IF APPLICABLE)! REFERENCE TABLE 3 BELOW FOR WEAR STRIP ALTERATION INSTRUCTIONS!**

**TABLE 3**

ADDED ACCESSORIES	ALTERATION FOR WEAR STRIP
4" UPRIGHT***	REMOVE 2" FROM END OF WEAR STRIP
4" PVC CONDUIT KIT	REMOVE 7.25" FROM CENTER OF WEAR STRIP
6" PVC CONDUIT KIT	REMOVE 9.50" FROM CENTER OF WEAR STRIP
ALUMINUM BOX CONDUIT KIT	REMOVE 13.25" FROM CENTER OF WEAR STRIP
BEACON	REMOVE 4" FROM CENTER OF WEAR STRIP



**SLIDE ONE SIDE OF WEAR STRIP INTO CROSSBOW, THEN ROLL OTHER SIDE TO SNAP STRIP INTO PLACE**



**STEP 1C SUB-ASSEMBLE EACH CROSSBOW WITH  
DESIRED ACCESSORIES FOR SECTIONS C.1 & C.2**



**TABLE 4**

<b>TOP OF CROSSBOW</b>	
COMPONENTS TO INSTALL	
<b>C.1</b>	<u>HD UTILITY</u> - 4" UPRIGHT
	<u>Grip-Lock</u> - N/A
	<u>ProLift</u> - SLIDES FOR BASE EXTRUSION
<b>BOTTOM OF CROSSBOW</b>	
COMPONENTS TO INSTALL	
<b>C.2</b>	<u>HD UTILITY</u> - UPRIGHTS (6", 9", RATCHET)
	<u>Grip-Lock</u> - STROBES
	<u>ProLift</u> - STROBES

**ASSEMBLY STEPS (FULL BENCH ASSEMBLY):**

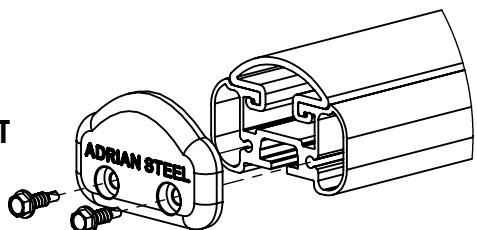
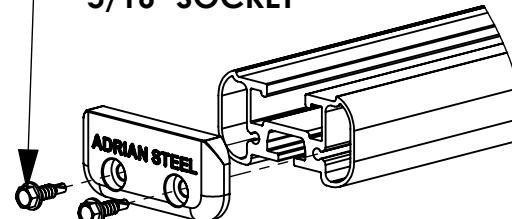
- 2T. ADD DRIVELINES (IF INSTALLING ProLift)
- 3T. ADD HANDLES (IF INSTALLING Grip-Lock OR ProLift) AND DAMPERS (IF INSTALLING ProLift)
- 4T. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)
- 5T. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)

**6T. ASSEMBLE ENDS CAPS TO CROSSBOW**

USED FOR HD UTILITY &  
Grip-Lock RACKS

LOCATED IN CROSSBOW KIT

FULLY TIGHTEN  
(2) FAS0473, 63851  
(2 PLACES PER END CAP)  
5/16" SOCKET



USED FOR ProLift RACKS  
LOCATED IN ProLift Kit

**7T. INSTALL ROOF RAIL KIT ON VEHICLE ROOF OR BOTTOM MOUNTING BRACKETS**

(ROOF RAIL KIT REQUIRED FOR Grip-Lock & ProLift  
OPTIONAL FOR HD UTILITY, NOT NEEDED FOR GM LADDER  
RACKS)

**8T. MOUNT CROSSBOW SUB-ASSEMBLIES FROM STEP 1 TO  
VEHICLE/MOUNTING BRACKET, OR ROOF RAIL  
(LOOSE INSTALL)**

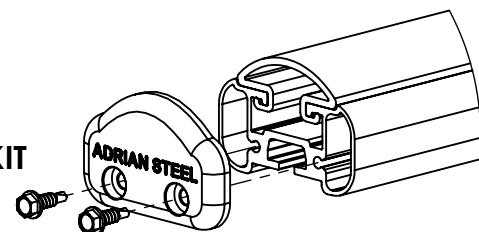
## **ALTERNATE ASSEMBLY METHOD! (ASSEMBLE ON VEHICLE ROOF):**

- 2R. INSTALL ROOF RAIL KIT ON VEHICLE ROOF OR BOTTOM MOUNTING BRACKETS**  
  
(ROOF RAIL KIT REQUIRED FOR Grip-Lock & ProLift, OPTIONAL FOR HD UTILITY, NOT NEEDED FOR GM LADDER RACKS)
- 3R. MOUNT CROSSBOW SUB-ASSEMBLIES FROM STEP 1 TO VEHICLE/MOUNTING BRACKET, OR ROOF RAIL (LOOSE INSTALL)**
- 4R. ADD DRIVELINES (IF INSTALLING ProLift)**
- 5R. ADD HANDLES (IF INSTALLING Grip-Lock OR ProLift) AND DAMPERS (IF INSTALLING ProLift)**
- 6R. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)**
- 7R. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)**

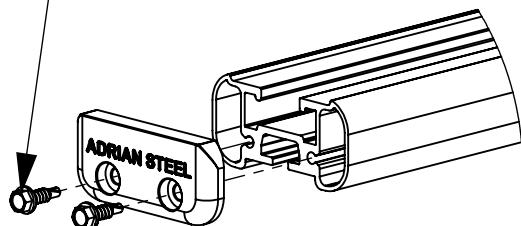
## **8R. ASSEMBLE END CAPS TO CROSSBOW**

USED FOR HD UTILITY & Grip-Lock RACKS

LOCATED IN CROSSBOW KIT



FULLY TIGHTEN  
(2) FAS0473, 63851  
(2 PLACES PER END CAP)  
5/16" SOCKET



USED FOR ProLift RACKS

LOCATED IN ProLift Kit