

INSTR.  
NUMBER : **68554**

PG:  
**1**

REV.  
**B**

PART  
NUMBER : **GL-CVDS & GL-CVPS**

PART • GRIP LOCK, COMPACT VAN, DS  
DESC. • GRIP LCK, COMPACT VAN, PS

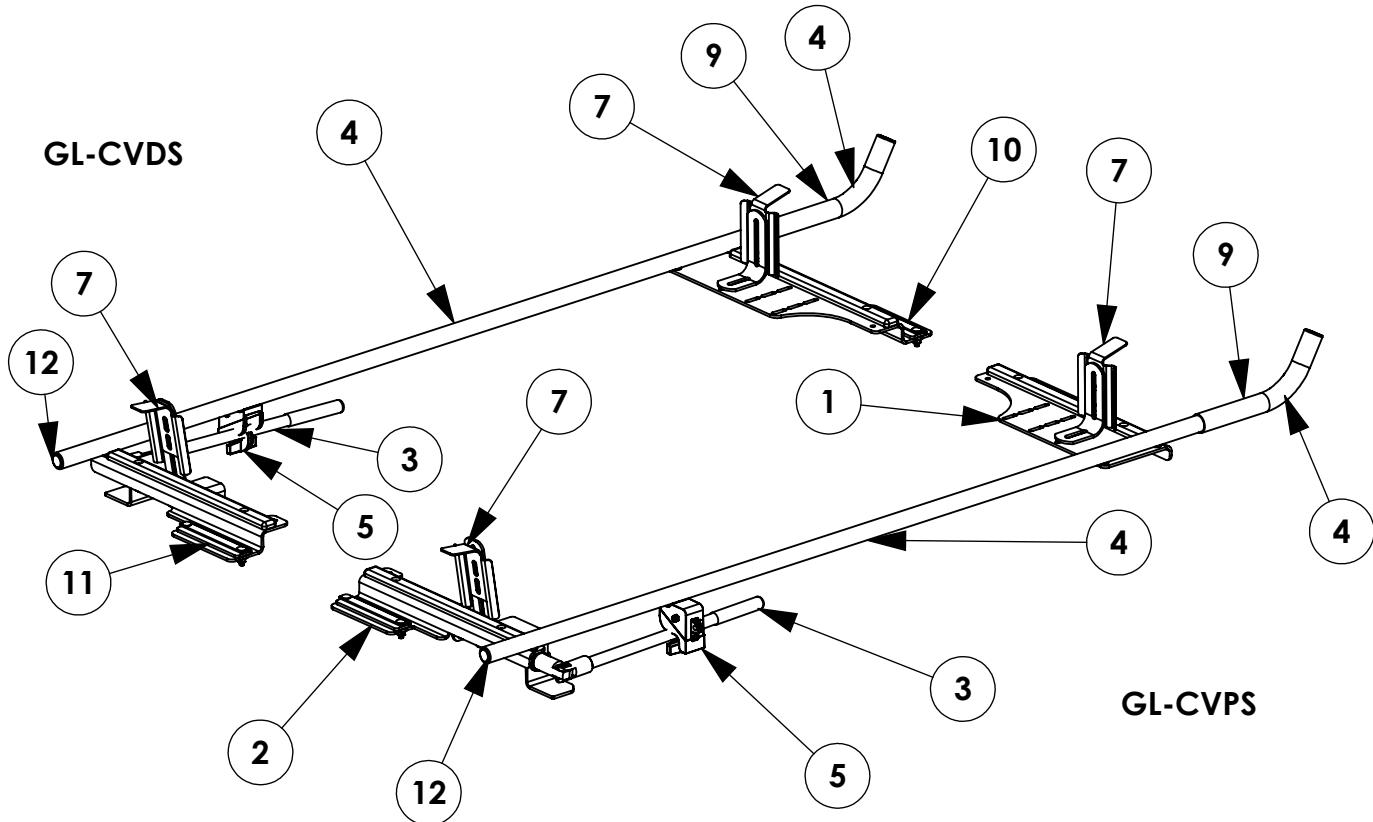
**NOTE: THIS INSTRUCTION  
IS VALID FOR THE  
FOLLOWING KITS:**

**-GL-CVDS**  
**-GL-CVPS**  
**-GL-CVDSB**  
**-GL-CVPSB**

**THESE INSTRUCTIONS CAN BE  
USED FOR A SINGLE OR  
DOUBLE GRIP LOCK ON  
VARIOUS LOW ROOF VEHICLES**

ITEM NO.	PART NUMBER	DESCRIPTION	GL-CVDS	GL-CVPS
1	66359	GRIP LOCK FRONT BRACE ASSM CS	1	-
2	66360	GRIP LOCK REAR BRACE ASSM CS	1	-
3	66291-W	GRIP LOCK HANDLE, WHITE	1	1
4	68434	GRIP LOCK, CP TUBE ASM	1	1
5	25340-0	HANDLE LATCH-STD	1	1
6	50981-B	FRONT STOP POST	1	1
7	66292-B	CLAMP PAD, BLACK	2	2
8	66289-W	GRIP LOCK HANDLE POST, WHITE	1	1
9	27254-B	SLEEVE-HORN,L.R. BLACK	1	1
10	66361	GRIP LOCK FRONT BRACE SS ASSM	-	1
11	66362	GRIP LOCK REAR BRACE ASSM SS	-	1
12	51363	CAP PLUG, RND 1.00, BLACK	1	1

- PART NUMBERS WITH "-W" SUFFIXS ARE PAINTED WHITE
- FOR WHITE MOUNTING KITS, REPLACE "-W" WITH "-B" PARTS
- NOTE: 66359, 66360, 66361, & 66362 ARE ALSO AVAILABLE IN BLACK VARIANTS
- FOR THEIR IDENTIFICATION, ADD THE "-B" SUFFIX TO THE END OF THE PART NUMBER



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**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 USED****QUANITITIES PROVIDED ARE FOR A SINGLE SIDE INSTALL**

**FAS0110**  
3/8-16 SS  
NLK NUT  
QTY: 1



**FAS0248**  
5/16-18 SS  
NYL NUT  
QTY: 6



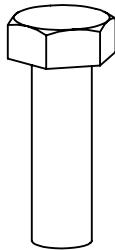
**FAS0399**  
3/8-16 SS  
NYL NUT  
QTY: 1



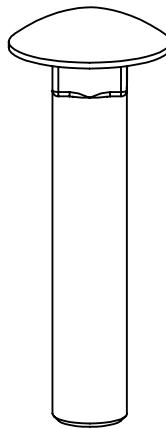
**FAS0552**  
5/16 SS  
FLAT WASHER  
QTY: 16



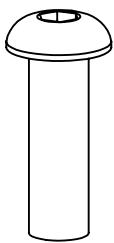
**FAS0588**  
5/16 SS  
SPLIT WASHER  
QTY: 4



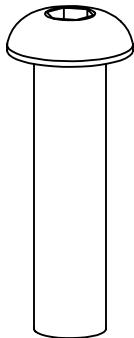
**FAS0597**  
5/16-18 X 1.0 SS  
HH SCREW  
QTY: 2



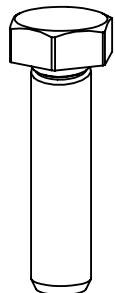
**FAS0721**  
3/8-16 X 2.0 SS  
CRG BOLT  
QTY: 1



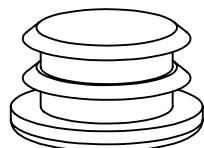
**FAS0813**  
5/16-18 X 1.0 SS  
BHC SCREW  
QTY: 4



**FAS0819**  
3/8-16 X 1.5 SS  
BHC SCREW  
QTY: 1



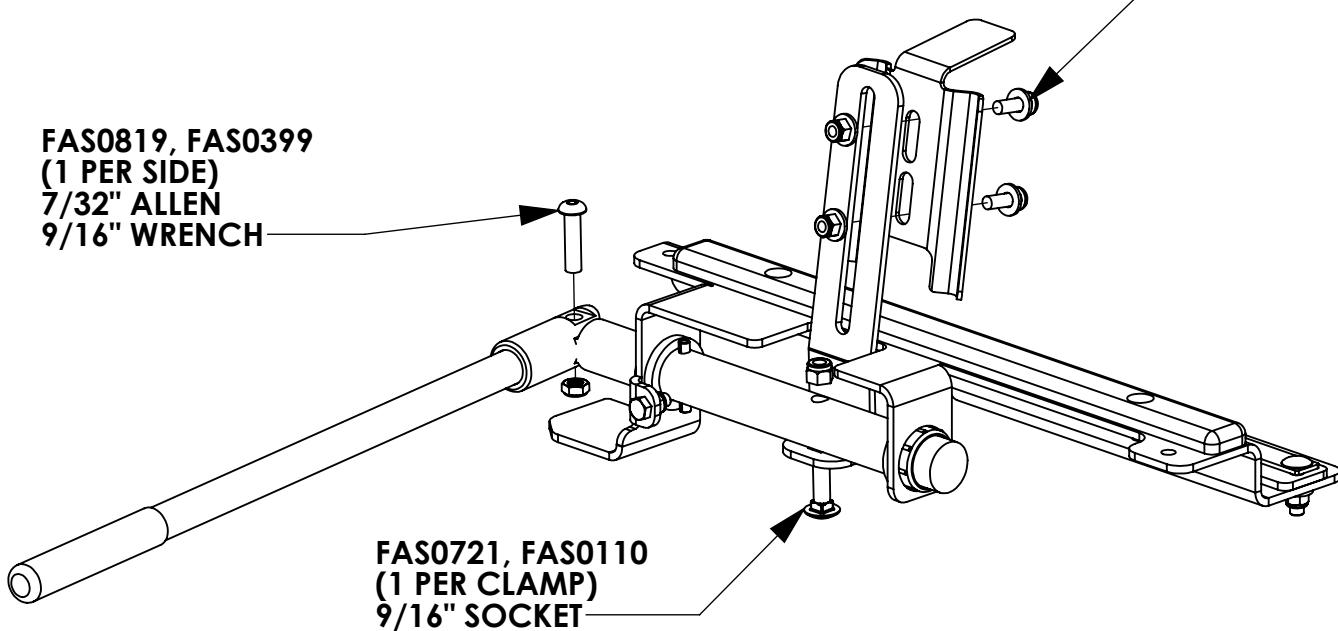
**FAS0830**  
5/16-18 X 1.25 SS  
HH SCREW  
QTY: 4



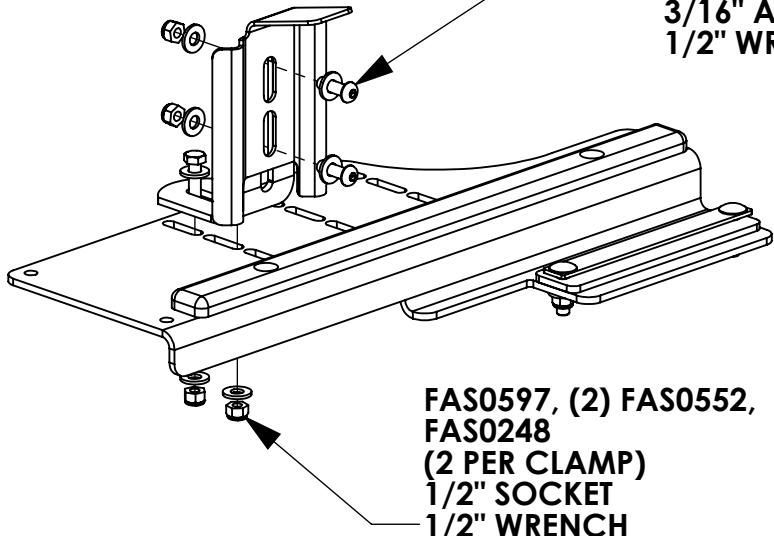
**51363**  
1" RND BLK  
CAP PLUG  
QTY: 1

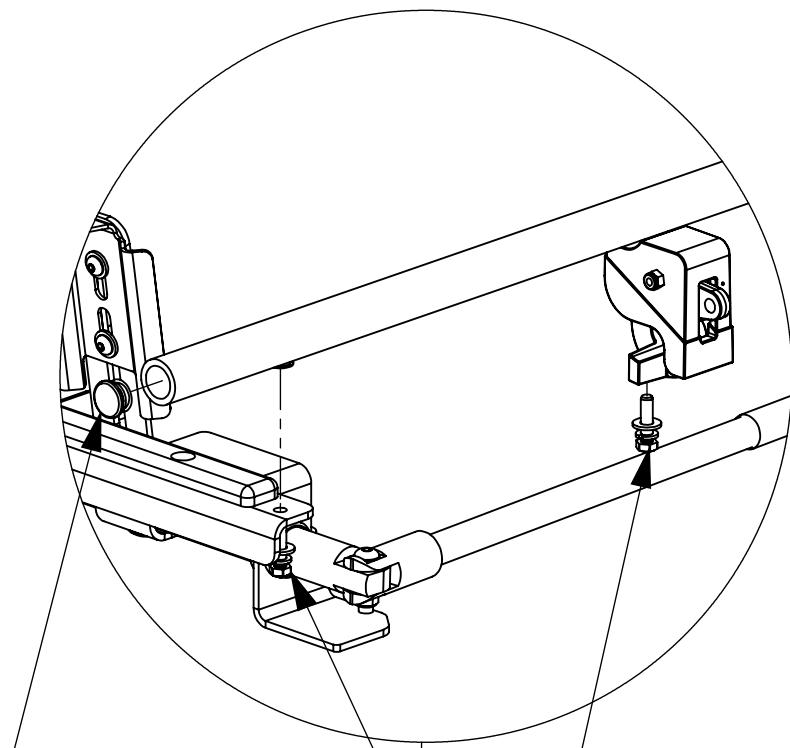
**BEGIN ASSEMBLY****STEP 1 - ASSEMBLE REAR STOP AND HANDLE**

FAS0813, (2) FAS0552,  
FAS0248  
(2 PER CLAMP)  
3/16" ALLEN  
1/2" WRENCH

**STEP 2 - ASSEMBLE FRONT STOP**

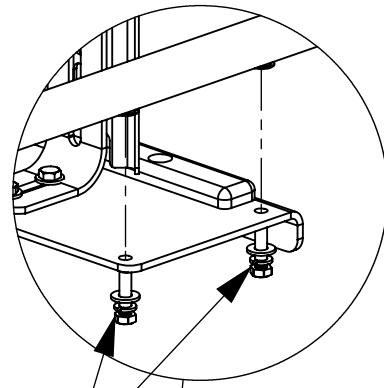
FAS0813, (2) FAS0552,  
FAS0248  
(2 PER CLAMP)  
3/16" ALLEN  
1/2" WRENCH



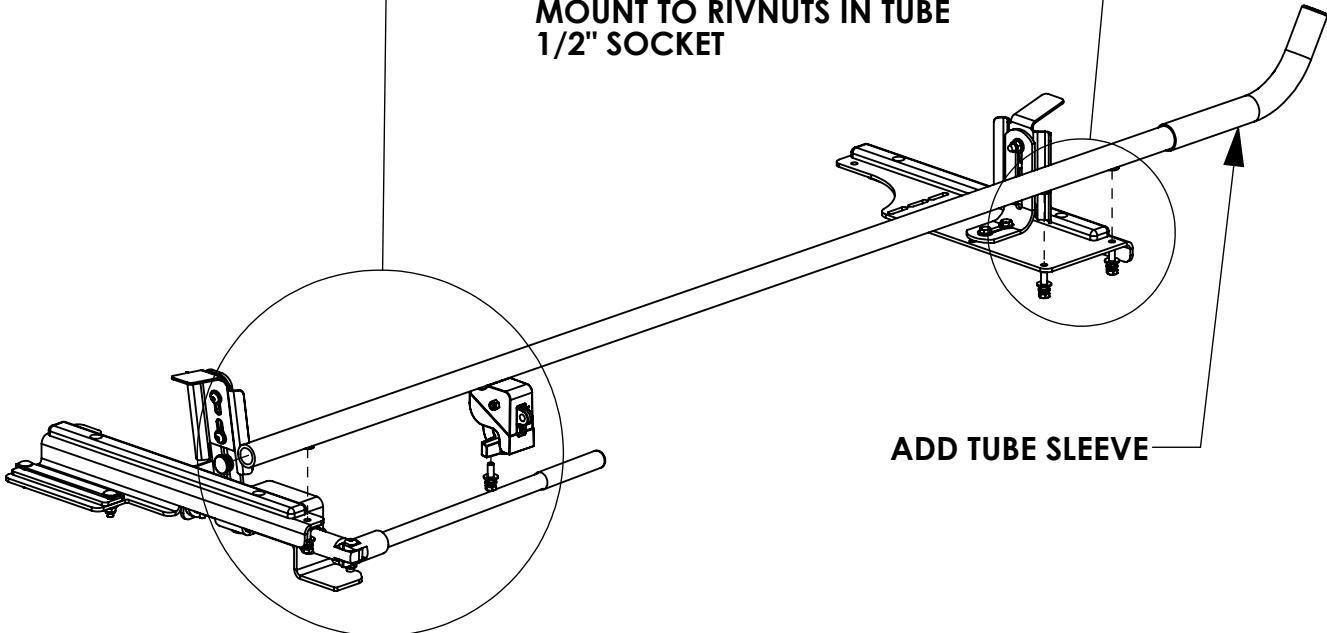
**STEP 3 - ASSEMBLE OUTER TUBE**

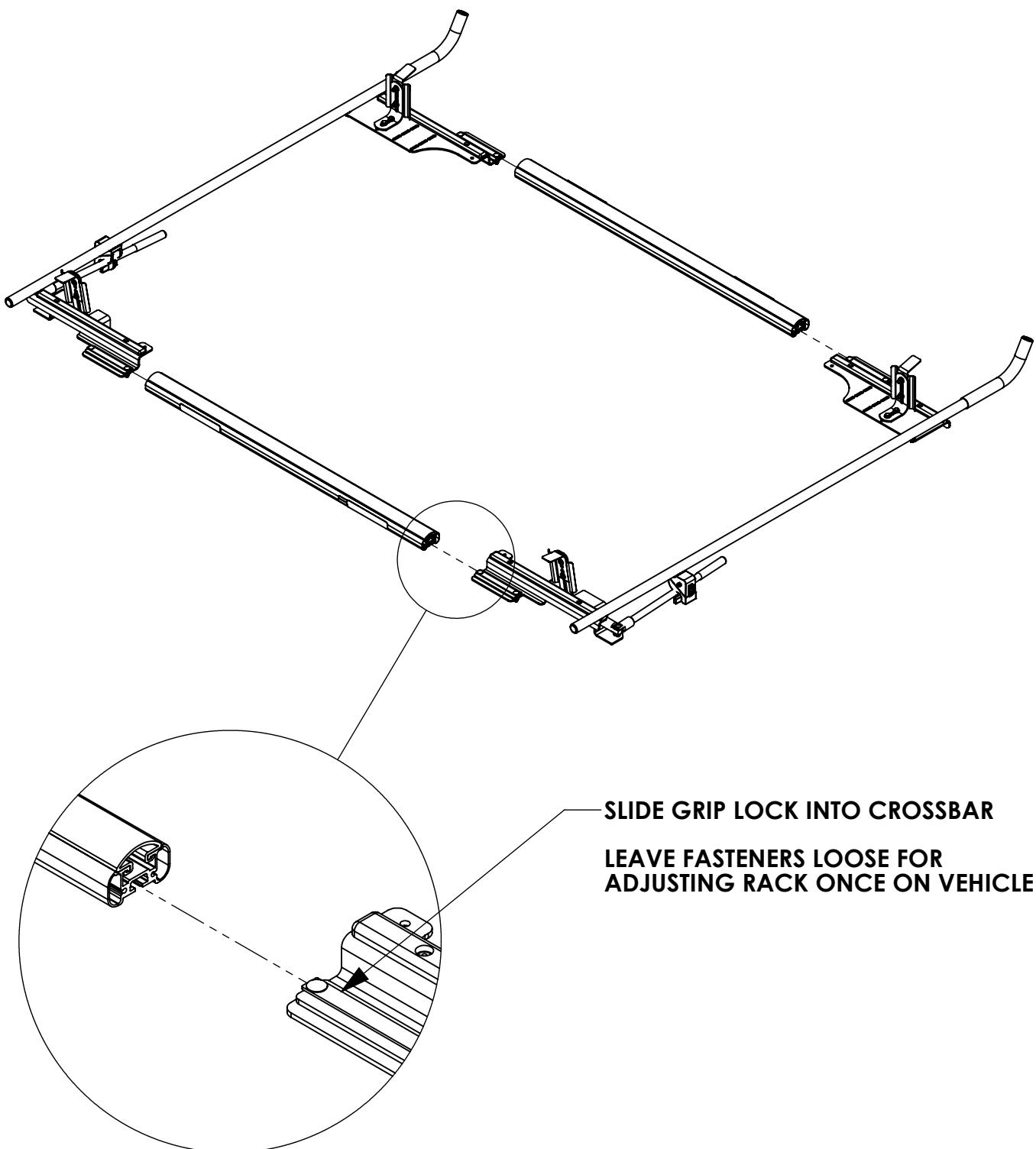
**ADD END CAP  
TO TUBE**

**FAS0830, FAS0588, FAS0552  
(4 PER SIDE)  
MOUNT TO RIVNUTS IN TUBE  
1/2" SOCKET**



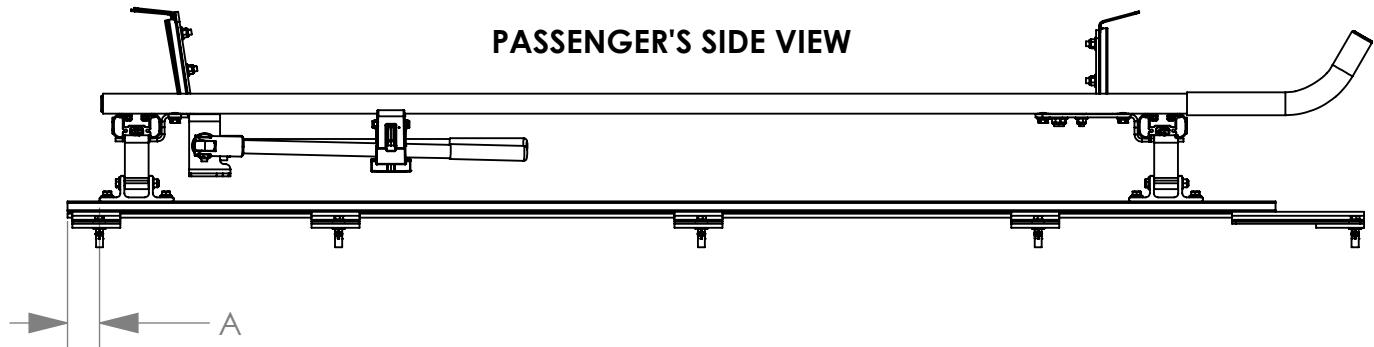
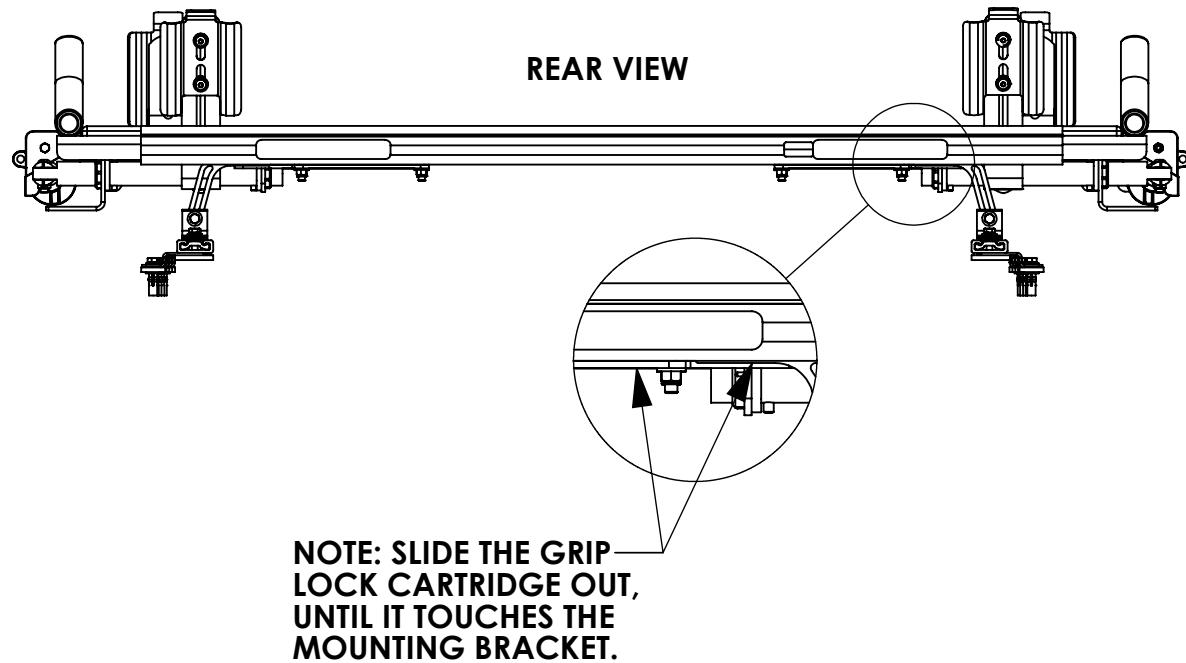
**ADD TUBE SLEEVE**



**STEP 4 - INSTALL ON CROSSBOW**

## STEP 5 - MOUNTING DIMENSIONS GUIDE

NOTE: IMAGES SHOW THE RAIL KIT FOR THE TRANSIT CONNECT LONG WHEELBASE FOR VISUALIZATION. VEHICLE SPECIFIC MEASUREMENTS ARE PROVIDED IN TABLE BELOW.



VEHICLE	TRANSIT CONNECT LWB	TRANSIT CONNECT SWB	PROMASTER CITY	MERCEDES METRIS LWB	MERCEDES METRIS SWB
A	2.0	2.0	2.0	2.0	2.0

NOTE: "A" IS DISTANCE FROM END OF ROOF RAIL TO MOUNTING BRACKET FOOT

INSTR. NUMBER : **68558** PG: **1** REV: **A**

PART NUMBER : **CRMBK4W**

PART DESC. • COMPCT,MNT BKT KT,RAIL,4W

**ITEMS NOTED (#\*) ARE PART OF: 2BARCW**

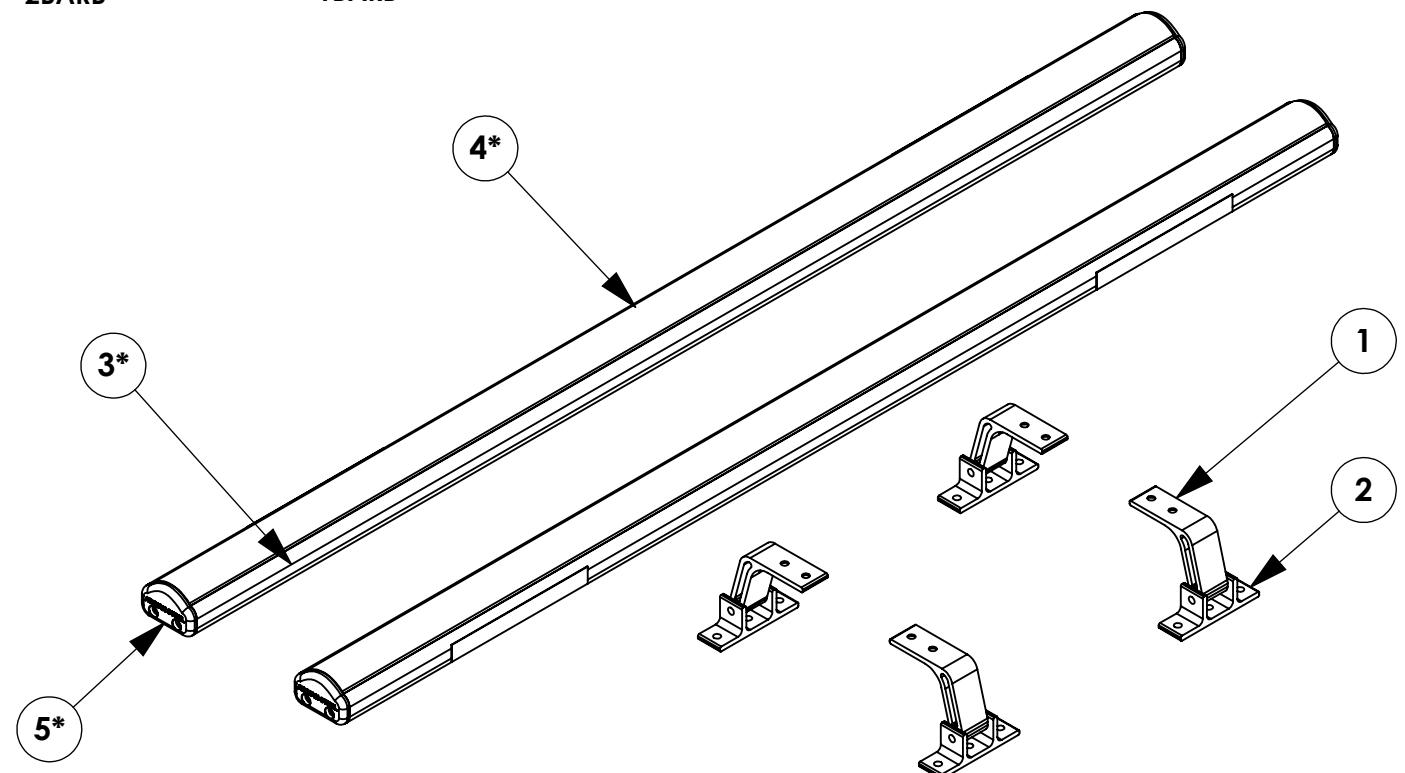
NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

**MOUNTING KITS**

- URMBK4W (SHOWN)
- URMBK4B
- URMBK2W
- URMBK2B

**CROSSBOW KITS**

-2BARCW (SHOWN)	-1BARCW
-2BARCB	-1BARCB
-2BARTOPW	-1BARTOPW
-2BARTOPB	-1BARTOPB
-2BARW	-1BARW
-2BARB	-1BARB



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	68202-W	PROFILE, MOUNTING ARM, W	4
2	63852-W	UTILITY, MOUNTING BRKT, W	4
3*	63915-W	UTILITY, CROSSBOW, 58", WHITE	2
4*	63914	UTILITY, WEAR STRIP, 58"	2
5*	63851	UTILITY RCK,END CAP,BLACK	4

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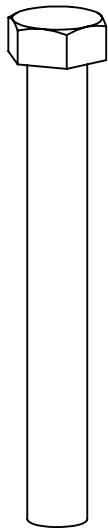
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**FASTENERS USED**

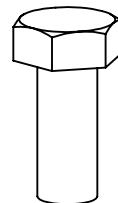
**FAS0243**  
5/16-18 X 2.5 SS  
HH SCREW  
QTY: 4



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



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



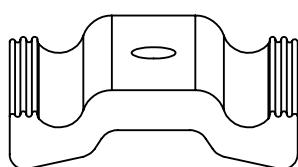
**FAS0799**  
5/16-18 X .75 SS  
HH SCREW  
QTY: 8



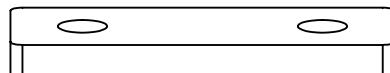
**FAS0857**  
5/16 SS  
CS EXT LCK WASHER  
QTY: 8

**FAS0858**  
5/16-18 X .625 SS  
FHH CS SCREW  
QTY: 8

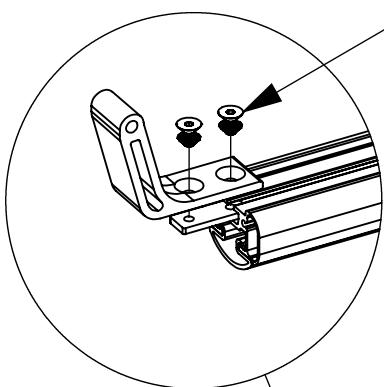
**FAS0861**  
5/16-18 SS  
NLK HFLNG NUT  
QTY: 4



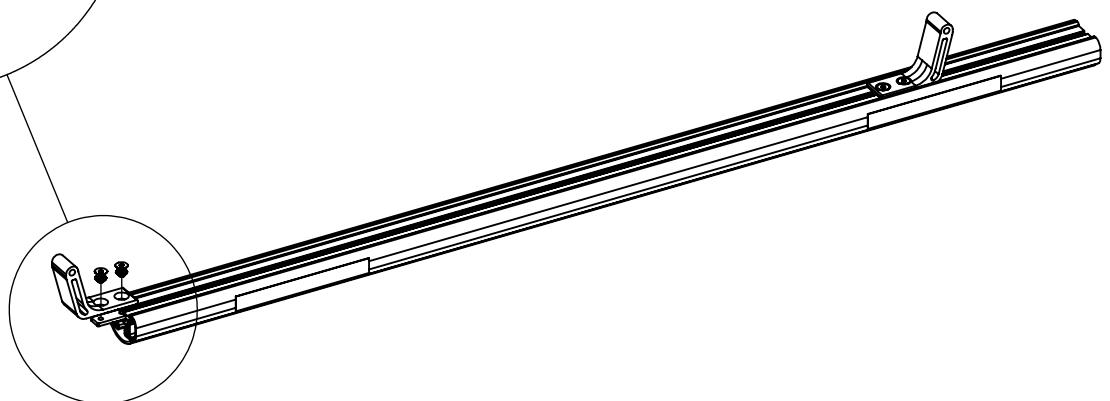
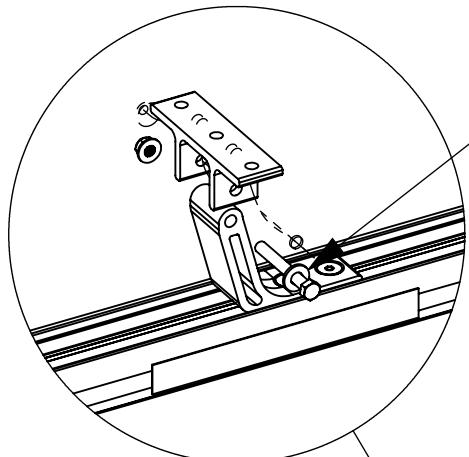
**35335-0**  
1.5" AD RAIL  
QTY: 8



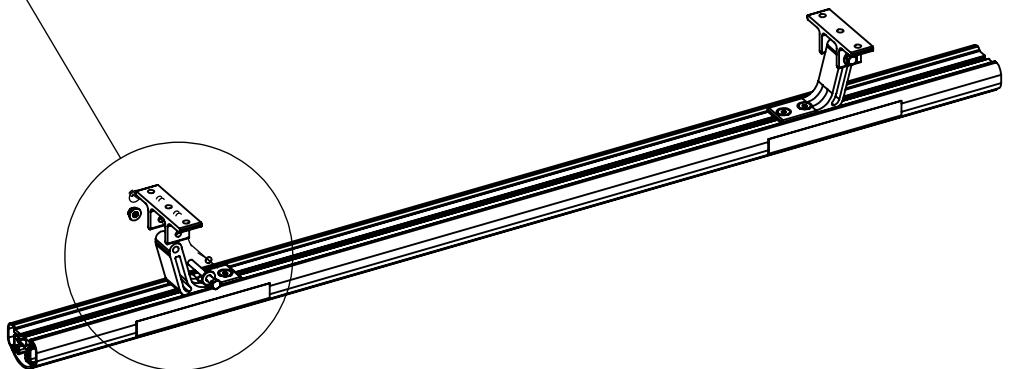
**68042**  
PROFILE FOOT MTG PLATE  
QTY: 4

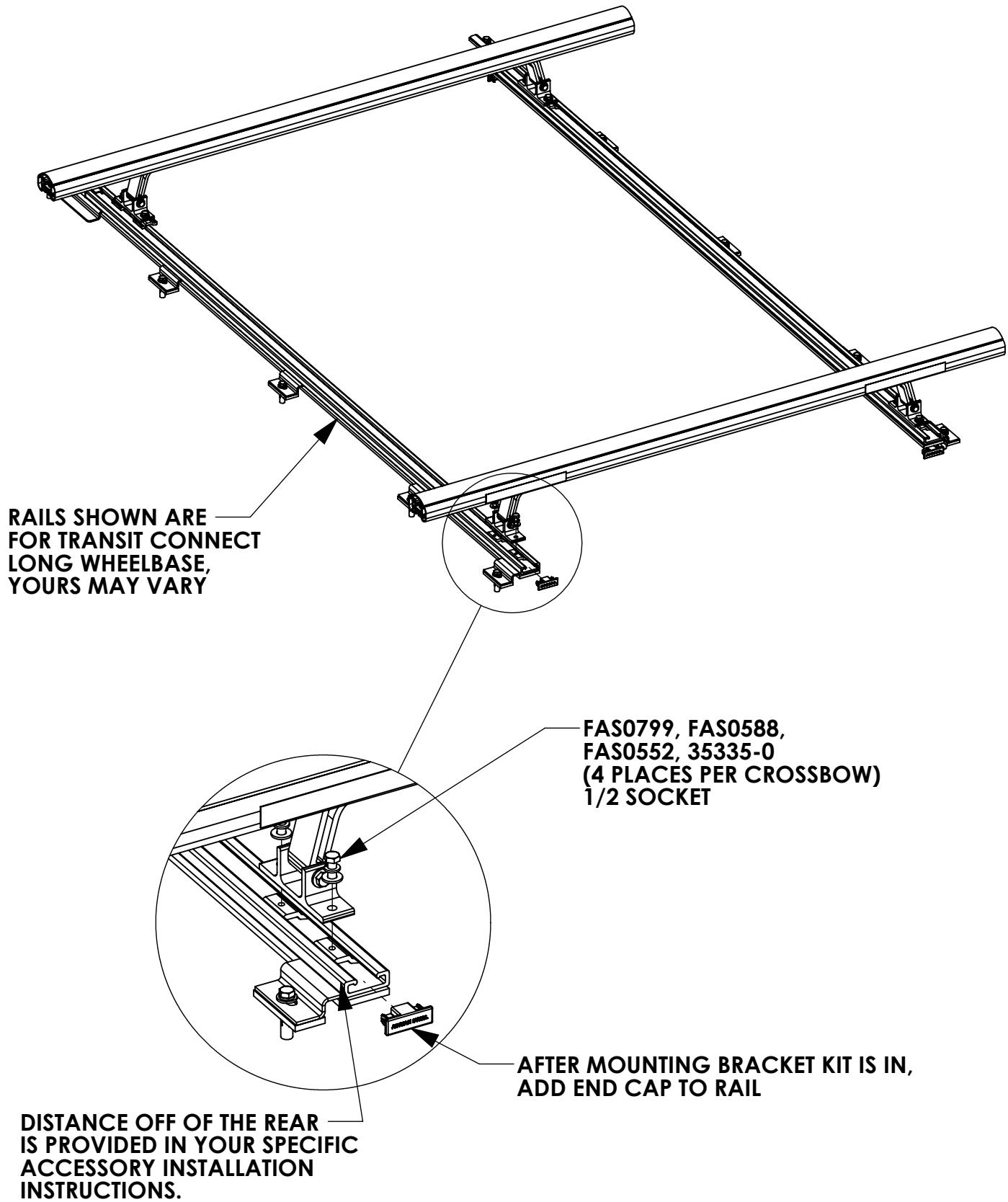
**BEGIN ASSEMBLY****STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW**

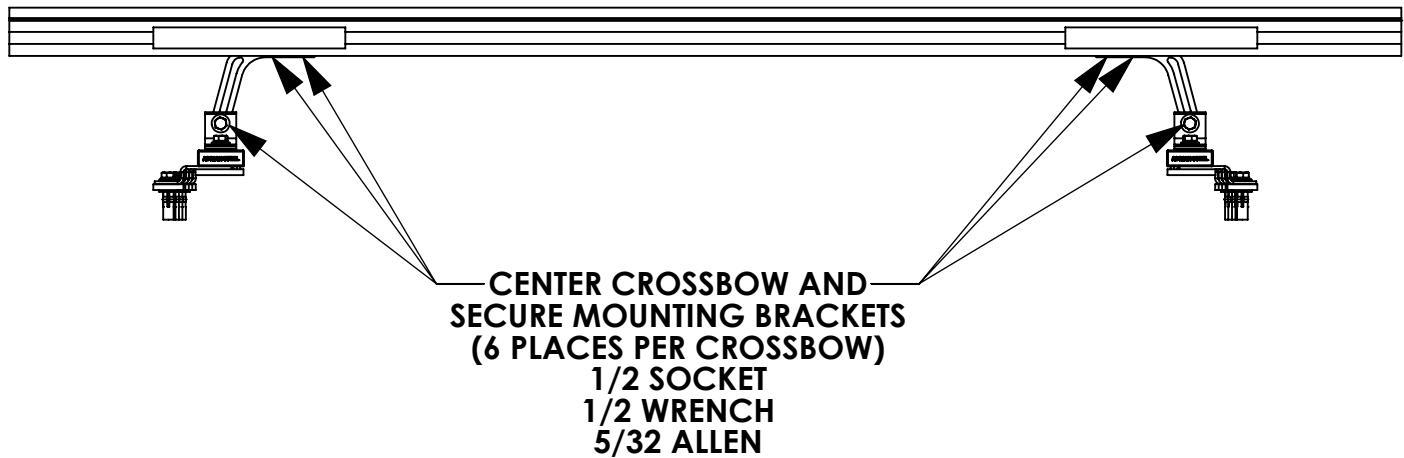
(2) FAS0857, (2) FAS0858  
68042  
(2 PLACES PER CROSSBOW)  
LOOSE INSTALL

**STEP 2 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS**

FAS0243, FAS0552, FAS0861  
(2 PLACES PER CROSSBOW)  
LOOSE INSTALL



**BEGIN INSTALLATION**  
**STEP 3 - INSTALL MOUNTING BRACKET TO RAIL**

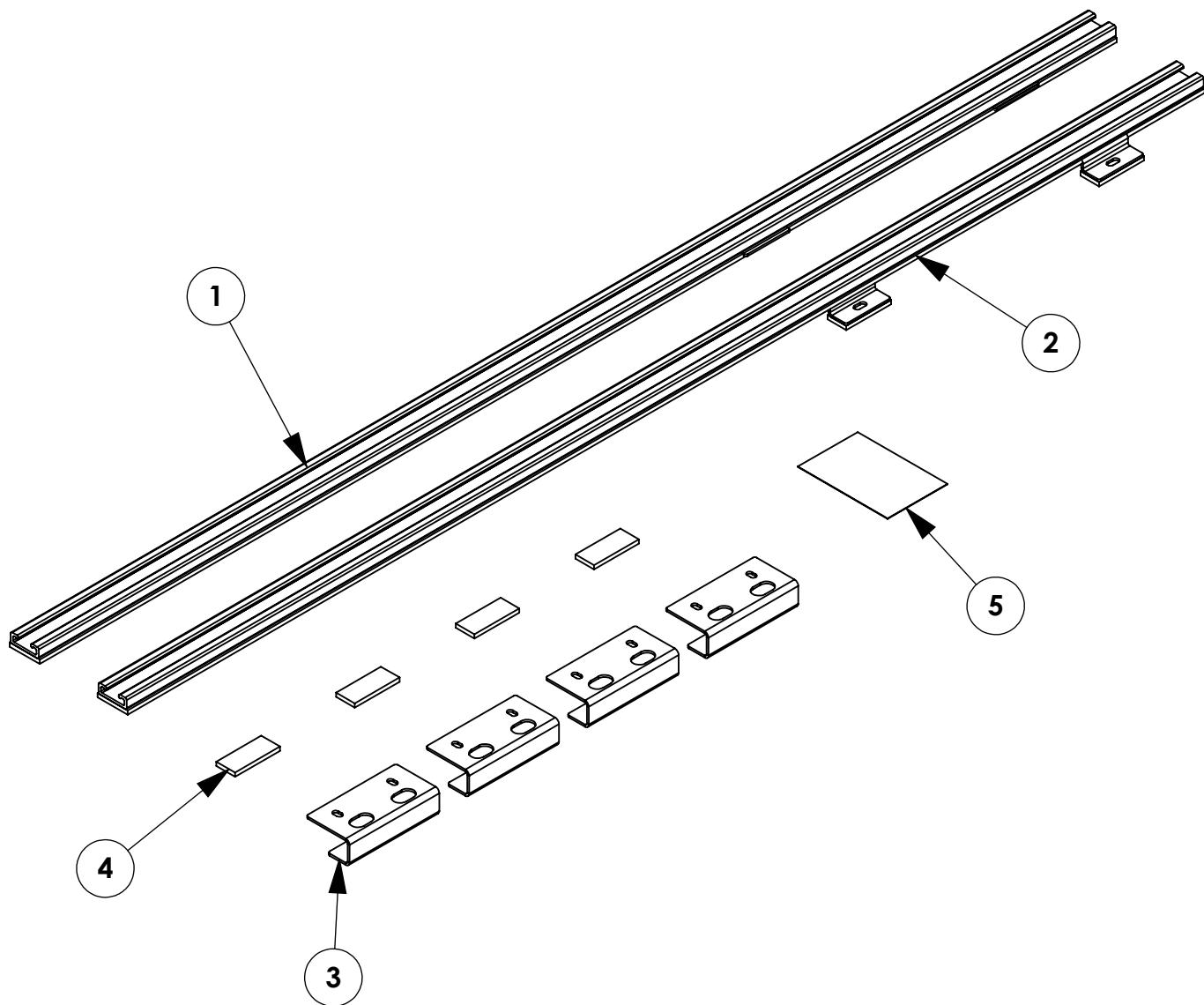
**STEP 4 - CENTER CROSSBOW AND SECURE**

INSTR. : **70738** PG: **1** REV: **A**

PART : **RRKTCS**

PART DESC. : ROOF RAIL KIT, TCS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	70734	ROOF RAIL, TCS, PS, W/ FOAM	1
2	70736	ROOF RAIL, TCS, DS, W/ FOAM	1
3	70737	ROOF RAIL MTG, TCS	4
4	45265	GASKET, FOOT, TC	4
5	BAGRRKTCS	FAS BAG, RRKTCL	1



**TOOLS NEEDED:**

- 1/2" SOCKET
- 1/2" WRENCH
- DRIVE RATCHET
- RUBBER MALLE
- IMPACT DRIVER
- PLUSNUT GUN

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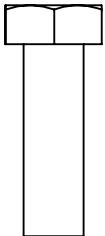
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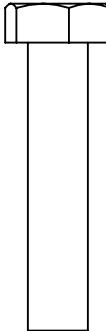
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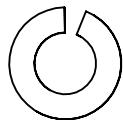
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**FASTENERS USED**

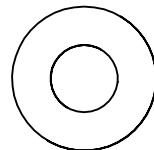
**FAS0597**  
5/16-18 X 1  
SS HH SCREW  
QTY:4



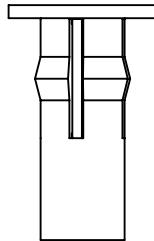
**FAS0242**  
5/16-18 X 1.5 SS  
HH SCREW  
QTY:8



**FAS0588**  
5/16 SS  
SPL WASHER  
QTY:12



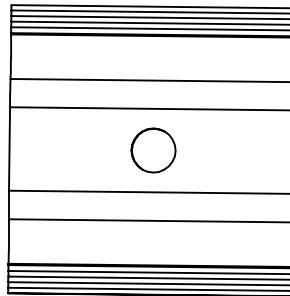
**FAS0552**  
5/16 SS  
FLAT WASHER  
QTY:12



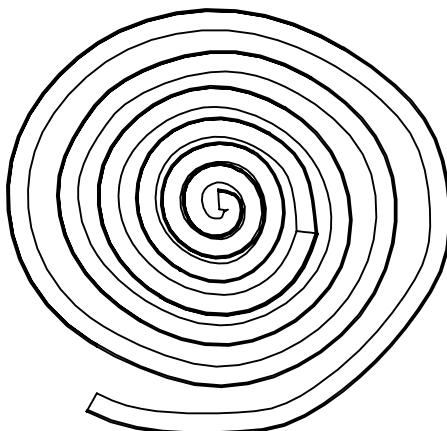
**FAS0091**  
5/16-18 PB  
PLUSNUT  
QTY:8



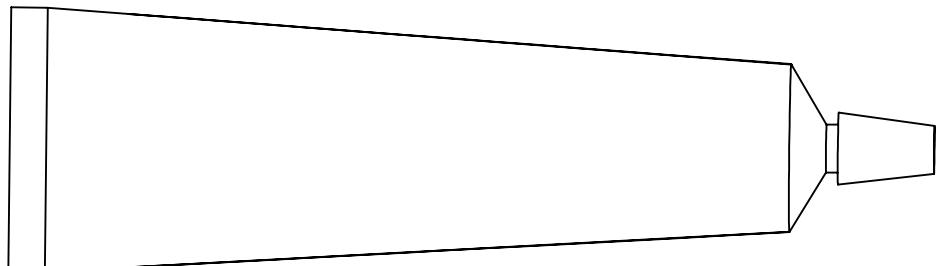
**36496-0**  
END CAP  
RAIL EXT #2  
QTY:4



**35335-0**  
SLIDE, 1.5"  
AD RAIL  
QTY:4



**05586-0**  
BUTYL TAPE  
QTY:1

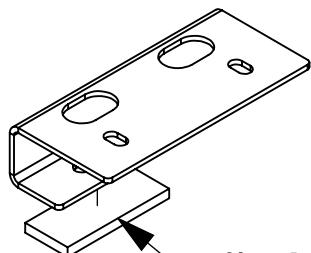
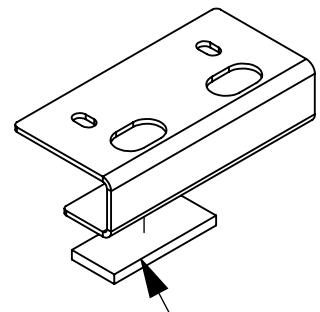
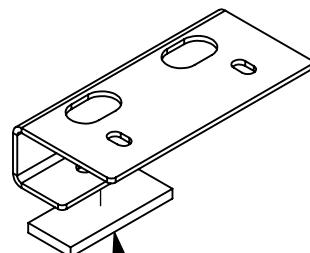


**266186-0**  
SILICONE  
SEALANT  
QTY:1

**STEP 1 - INSTALL FOAM ON FRONT BRACKETS**

**STEP 1.1**  
**INSTALL FOAM**  
**PADS ON FRONT**  
**BRACKETS**

**ATTACH OVER THE**  
**FRONT LOWER**  
**MOUNTING HOLE**



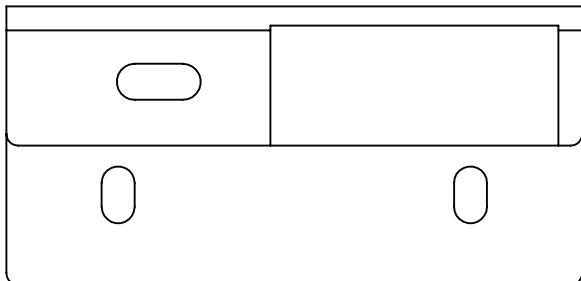
70737

45265

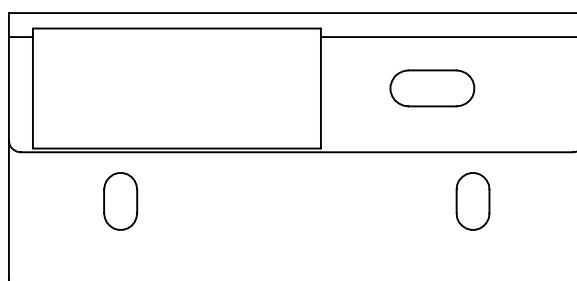
Step 1.1

Step 1.1

**NOTE ORIENTATION:**  
**ATTACH PAD OVER FRONT LOWER MOUNTING HOLE**



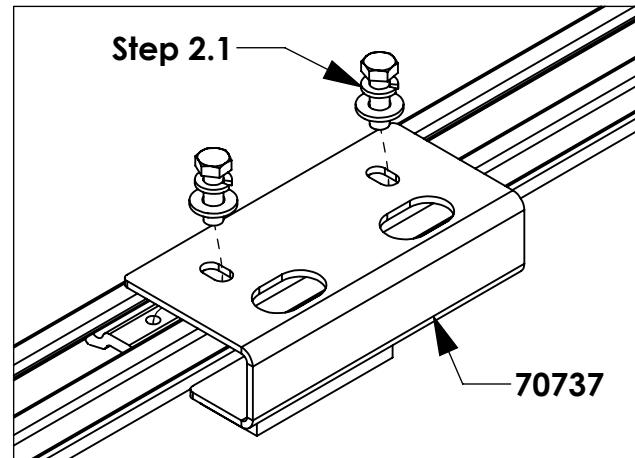
PASSENGER SIDE



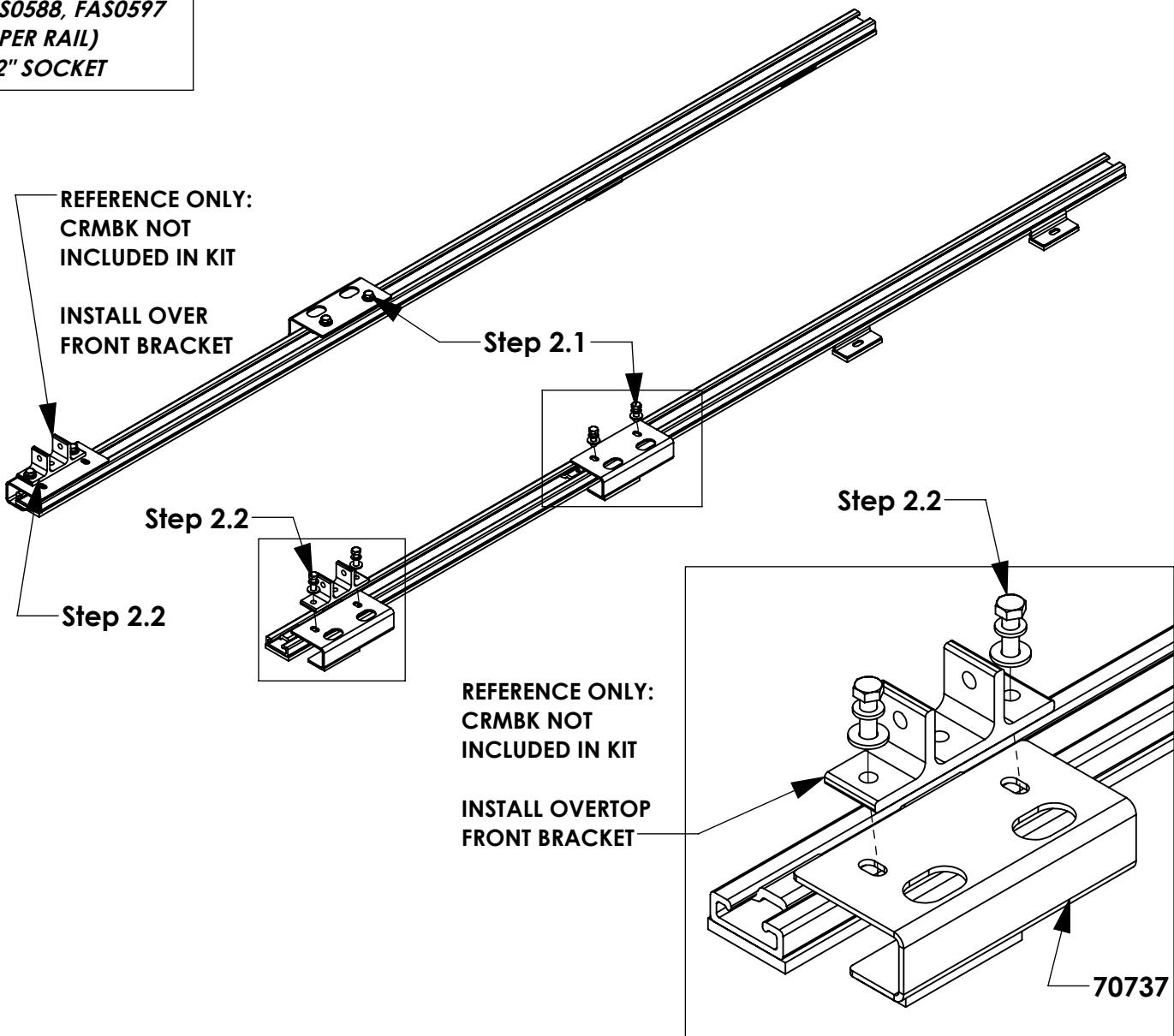
DRIVER SIDE

## STEP 2 - LOOSE INSTALL BRACKET ON ROOF RAILS

**STEP 2.1**  
LOOSELY  
ASSEMBLE MIDDLE  
FRONT BRACKET  
UNTIL AFTER STEP 5  
35335-0, FAS0552,  
FAS0588, FAS0597  
(2 PER RAIL)  
1/2" SOCKET



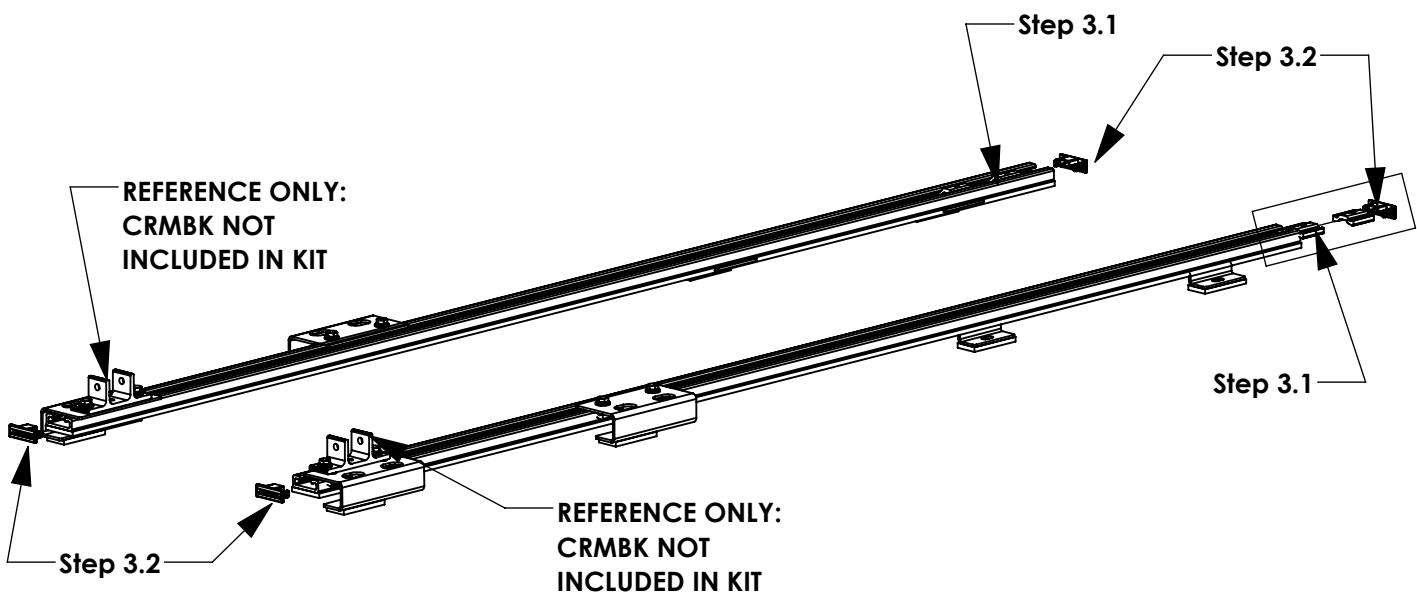
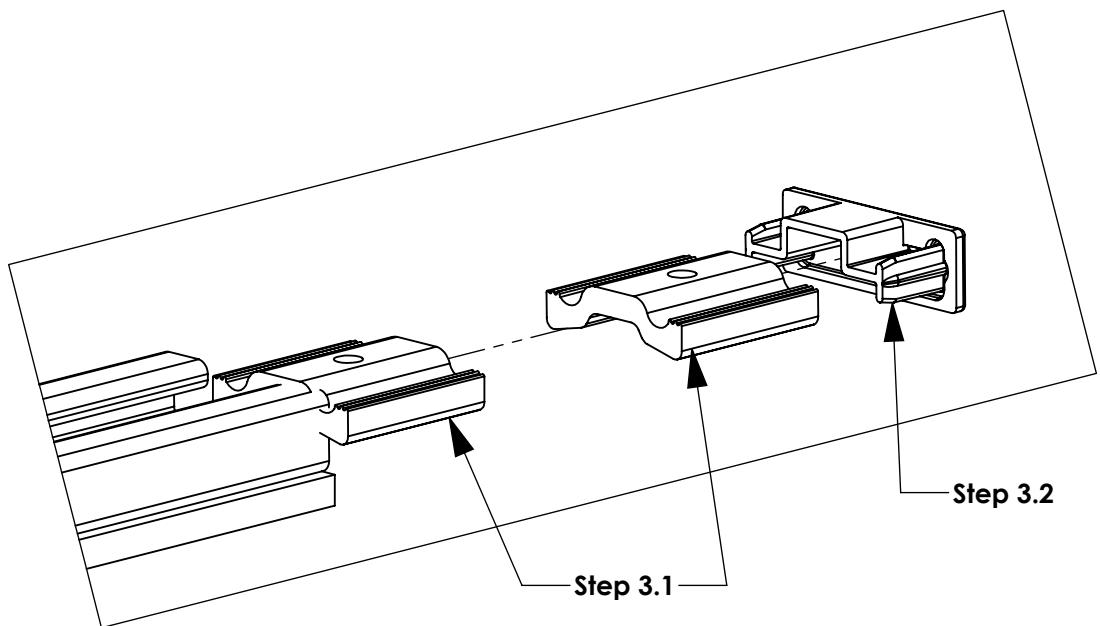
**STEP 2.2**  
LOOSELY  
ASSEMBLE FRONT  
BRACKET UNTIL  
AFTER STEP 5  
35335-0, FAS0552,  
FAS0588, FAS0597  
(2 PER RAIL)  
1/2" SOCKET



**STEP 3 - ADD CRMBK SLIDES AND RAIL END CAPS**

**STEP 3.1**  
**ADD CRMBK SLIDES**  
**35335-0**  
**2 SLIDES PER END**  
**RAIL**

**STEP 3.2**  
**INSTALL RAIL END**  
**CAPS ONTO RAIL**  
**ENDS**  
**(2 PLACES PER**  
**RAIL)**  
**RUBBER MALLET**



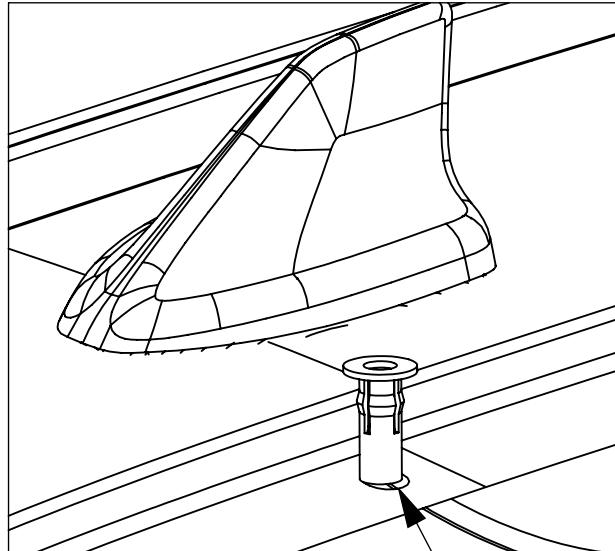
**STEP 4 - SET PLUSNUTS IN ROOF**

**STEP 4.1**  
**REMOVE OEM**  
**PLASTIC PLUGS**  
**FROM ALL 8**  
**LOCATIONS**

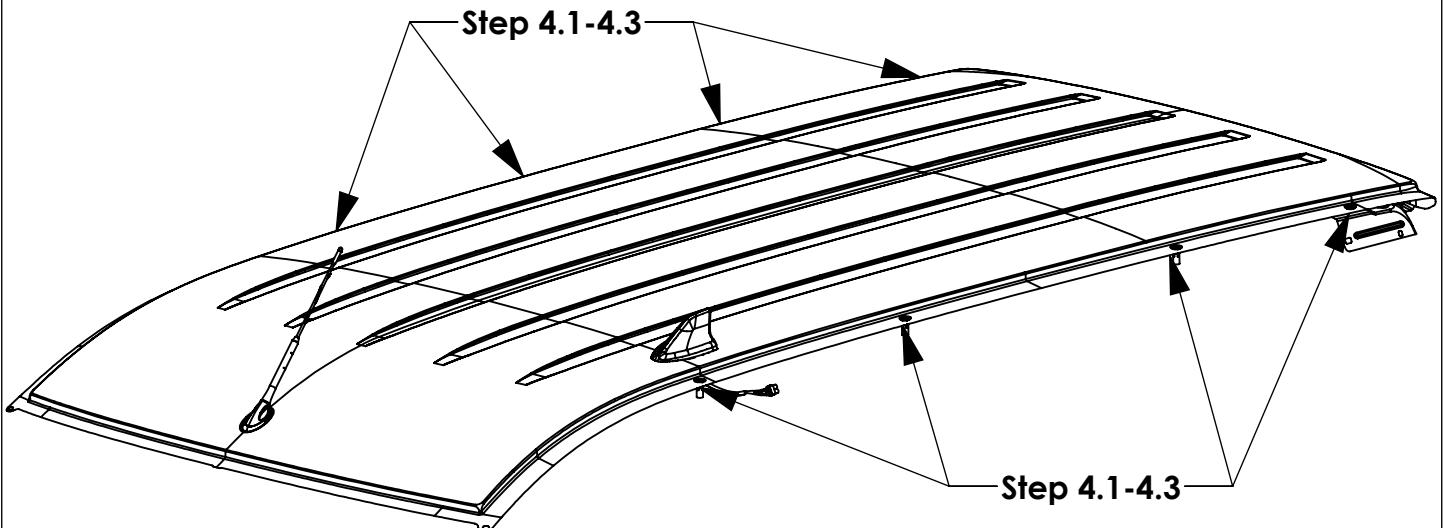
**STEP 4.2**  
**CHECK FOR CLEAR**  
**DRILL PATH BELOW**  
**(WIRING,**  
**AIRBAGS, ETC.)**

**STEP 4.3**  
**APPLY PRIMER TO**  
**HOLE EDGES**

**STEP 4.4**  
**APPLY BUTYL TAPE**  
**TO PLUSNUTS & SET**  
**IN ROOF**  
**FAS0091**  
**(8 LOCATIONS)**  
**PLUSNUT GUN**



**Step 4.4**



**Step 4.1-4.3**

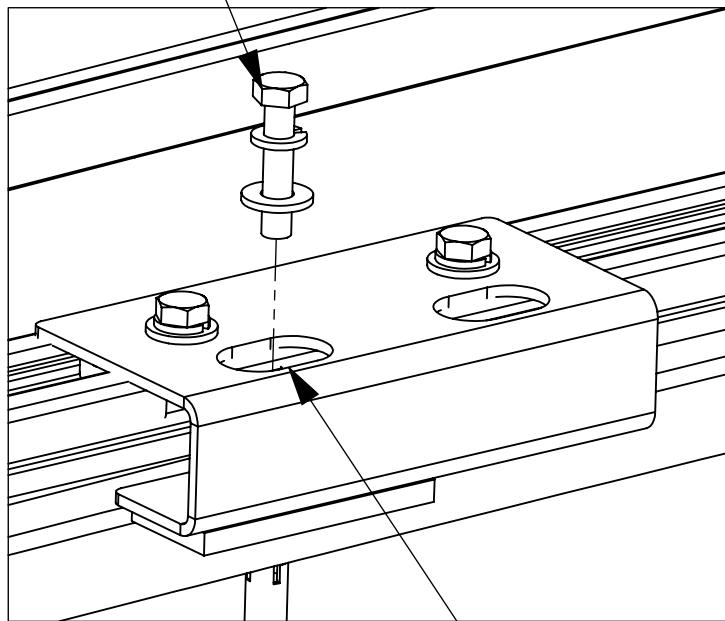
**STEP 5 - ATTACH RAILS TO ROOF**

**STEP 5.1**  
**ATTACH RAILS TO**  
**ROOF**  
**FAS0552, FAS0588,**  
**FAS0242**

**USE SILICONE ON**  
**BOTTOM THREADS**  
**(4 PER RAIL)**  
**1/2" SOCKET**

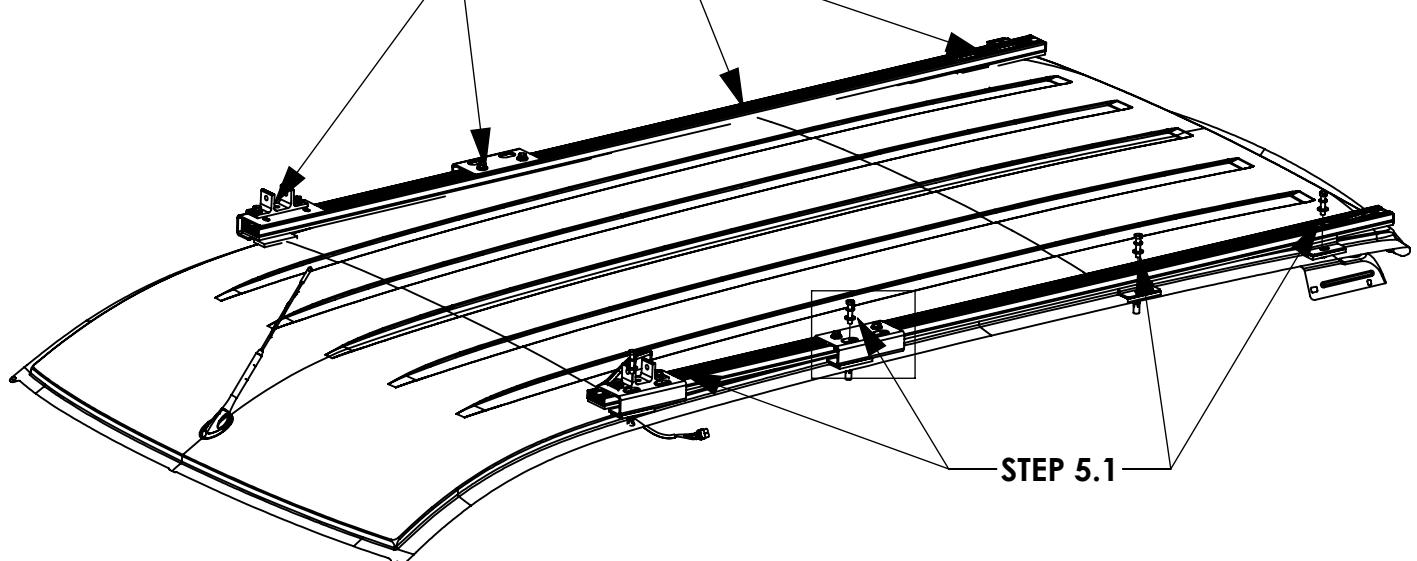
**MOUNT TO**  
**PLUSNUTS SET IN**  
**LAST STEP**

**STEP 5.1**



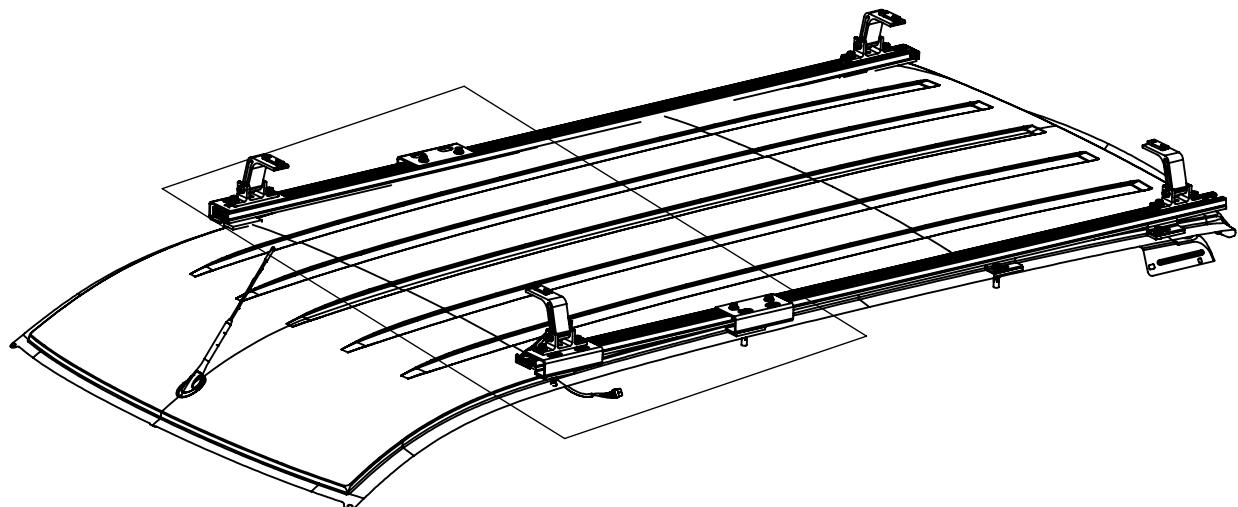
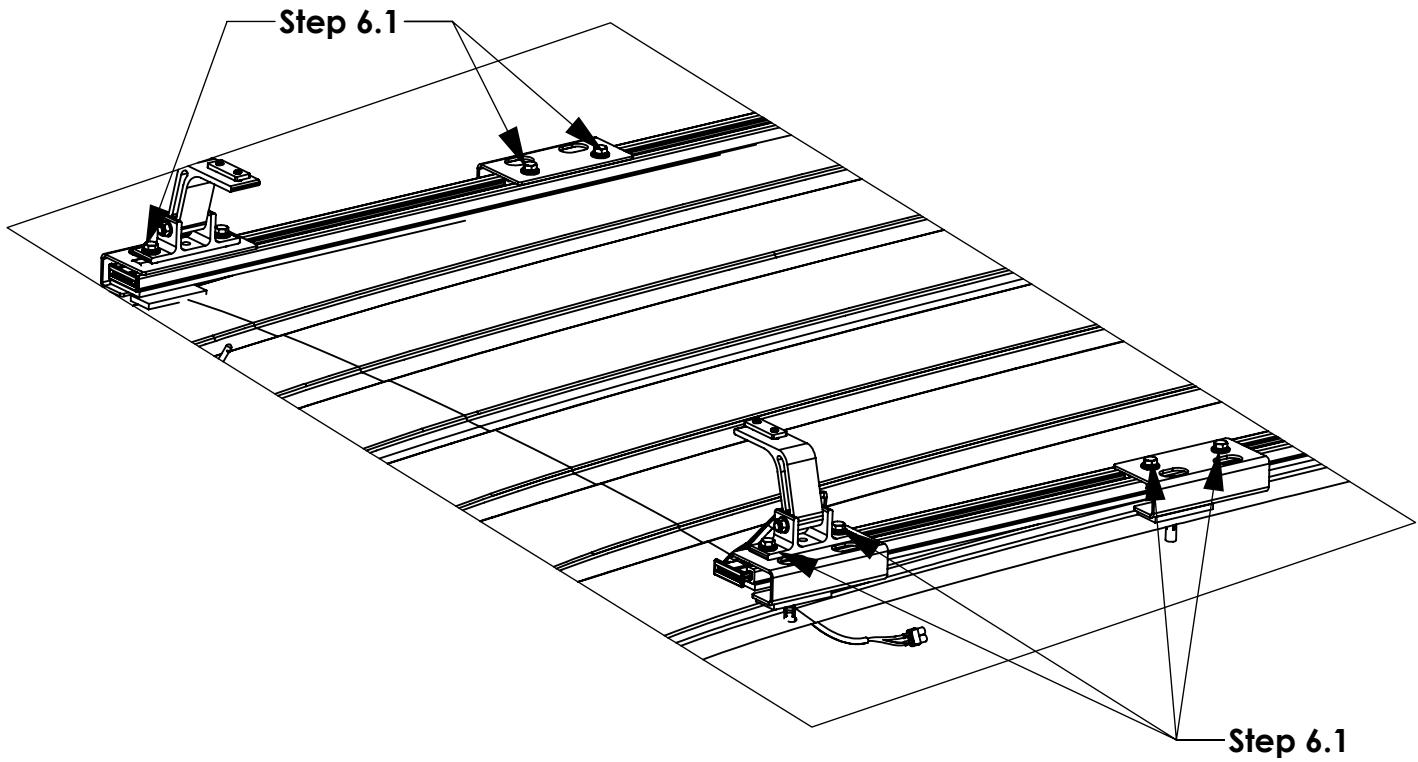
**USE FRONT CLEARANCE HOLE ON ADD-ON BRACKETS**

**STEP 5.1**



**STEP 6 - TIGHTEN DOWN BRACKETS****STEP 6.1**

**FULLY TIGHTEN  
FASTENERS FROM  
STEP 2  
(2 PER RAIL)  
1/2" SOCKET**



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



## 2-Crossbar Kit, 48", White, Multiple Pickups



**PRODUCT WEIGHT  
13.4 LBS**

**CROSSBOW LENGTH X  
HEIGHT**

**49" x 2"**

**CAPACITY**

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

**COLOR**

**WHITE**

**CATALOG NUMBER**

**2BARTOPW**

### **PRODUCT FEATURES**

Aluminum base 2-crossbow kit for PROFILE™ HD Utility, Grip-Lock, ProLift, or combo ladder racks. Works with all ARE and Leer toppers for all cab styles and bed lengths. Works with and without OEM specific rail kit and generic mounting bracket kits.

Additional crossbows and optional uprights, conduit kits, and rear rollers available.

Utility and grip lock ladder racks are not recommended for medium and high roof vehicles!

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!**



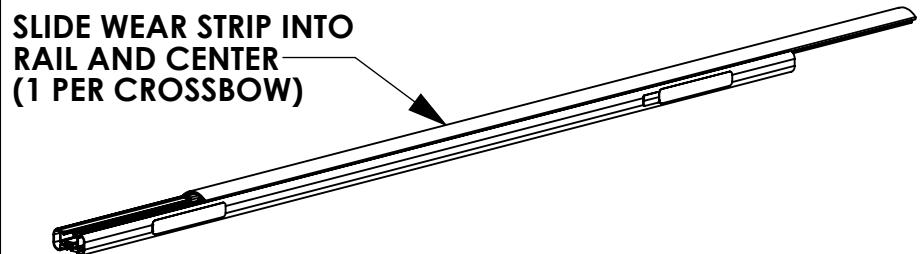
**TABLE 2**

<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

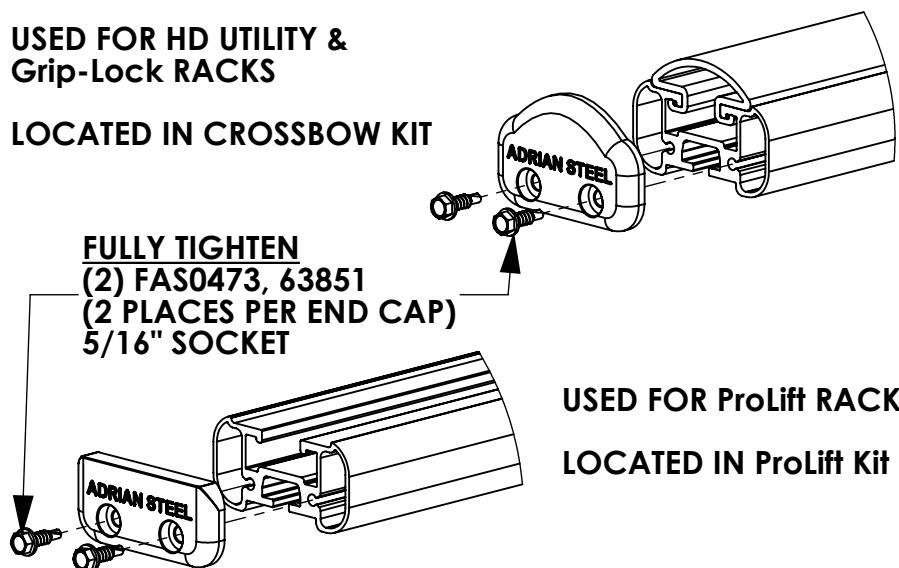
**ASSEMBLY STEPS (FULL BENCH ASSEMBLY):**

- 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



**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)**

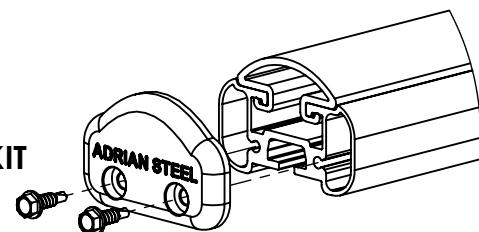
## **ALTERNATE ASSEMBLY METHOD! (ASSEMBLE ON VEHICLE ROOF):**

- 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!)**

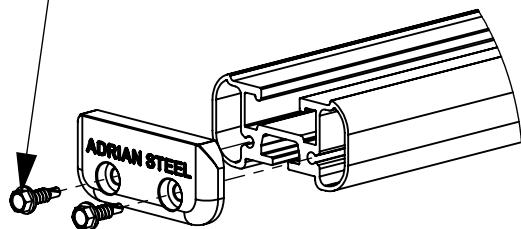
## **8R. ASSEMBLE END CAPS TO CROSSBOW**

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