



**ADRIAN STEEL®**

Cargo Management Solutions for Commercial Vehicles

## PROLIFT MAX DROP 5' PASSENGER SIDE LOW TOPPER LADDER RACKS

**PRODUCT WEIGHT**

**66.0 LBS**

**WIDTH X DEPTH X HEIGHT**

**82.00" X 32.00" X 4.00"**

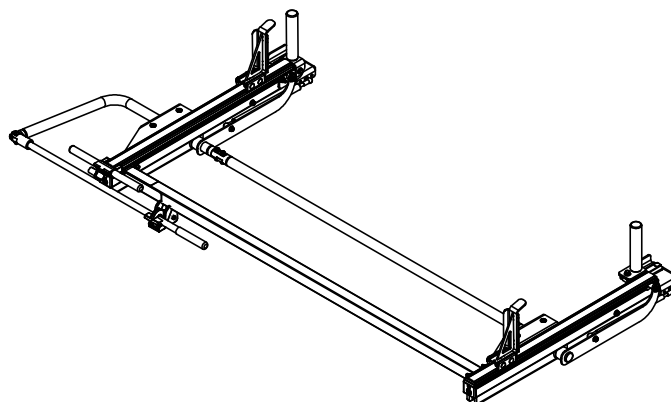
**CAPACITY**

**SINGLE LADDER**

**COLOR**

**WHITE/BLACK**

**CATALOG NUMBER**



**PLMDPSLT5W, PLMDPSLT5B**

### 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 6'2" - 6'10" 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" Unicvoer 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) |
| All                     | 6'2" - 6'10" | 74" - 82"       | RRKTOP74/UC   | 2BARTOPW     | URMBK4W              | PLSDPSLT5                 | PLSDDSLT5               |

**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.



## **PROLIFT MAX DROP 5' PASSENGER SIDE LOW TOPPER LADDER RACKS**

### **CATALOG NUMBER**

**PLMDPSLT5W, PLMDPSLT5B**

### **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)               |
|----------------|-----------------------------------|
| RRKTOP74       | ROOF RAIL KIT,TOPPER,74"          |
| RRKTOP74UC     | ROOF RAIL KIT,TOPPER,74" UNICOVER |
| 2BARTOPW / B   | 2BAR UTILITY RACK, TOP            |
| 2BAR53W / B    | 2BAR, CROSSBOW,53"                |
| URMBK4W / B    | UTILTY,MNT BKT KT,RAIL            |
| PLMDDSLT5W / B | PROLIFT,MAX,DS,LOW TOP, 5'        |
| GL-CVDSW / B   | GRIP-LOCK, COMP VAN DS            |
|                |                                   |
|                |                                   |
|                |                                   |
|                |                                   |
|                |                                   |
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|                |                                   |

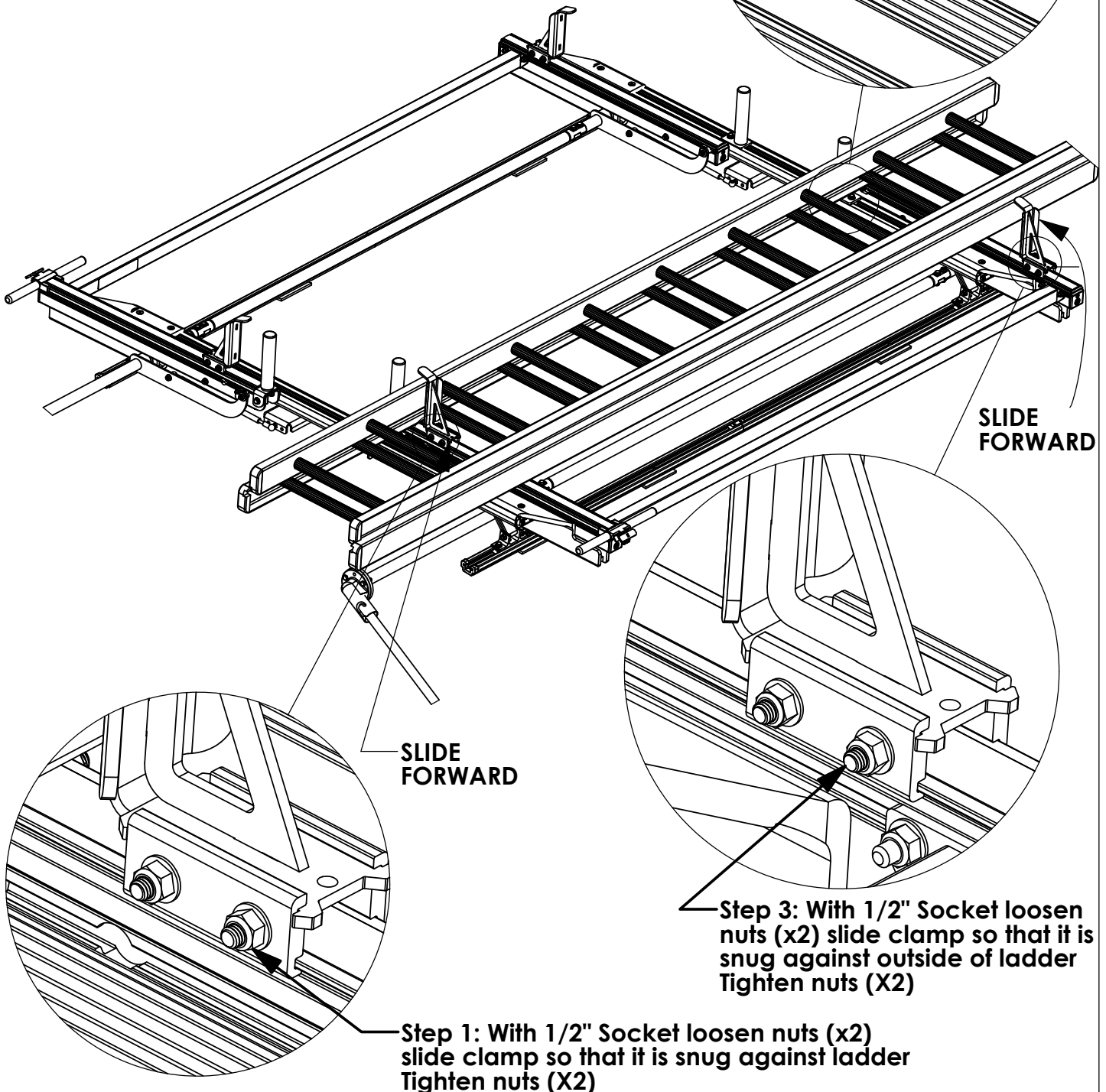
INSTR. : **69483**

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



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

|                                                            |  |              |               |          |             |                                         |          |          |
|------------------------------------------------------------|--|--------------|---------------|----------|-------------|-----------------------------------------|----------|----------|
| INSTR. : <b>70119</b>                                      |  | PG: <b>1</b> | REV: <b>E</b> | ITEM NO. | PART NUMBER | DESCRIPTION                             | PLMDPSLT | PLMDDSLT |
| PART : <b>PLMDPSLT &amp; PLMDDSLT</b>                      |  |              |               | 1        | 68037-B     | CLAMP PAD, 6.5", BLACK                  | 2        | 2        |
|                                                            |  |              |               | 2        | 66611-B     | DROP DOWN, PIVOT HANDLE, BLK            | 1        | 1        |
|                                                            |  |              |               | 3        | 48265       | DAMPER ASSEMBLY                         | 1        | 1        |
| PART • PROLIFT,MAX,PS,LT<br>DESC. • &<br>PROLIFT,MAX,DS,LT |  |              |               | 4        | 58239       | COMPRESSION DAMPER                      | 1        | 1        |
|                                                            |  |              |               | 5        | 65963-W     | STOP CLAMP, WHITE                       | 4        | 4        |
| <b>NOTE: DRIVE LINE LIST</b>                               |  |              |               | 6        | 68186-W     | PROLIFT INNER POST, WHITE               | 1        | 1        |
|                                                            |  |              |               | 7        | 68196-W     | PROLIFT MAX DROP STOP, WHITE            | 1        | 1        |
|                                                            |  |              |               | 8        | 68628-W     | PROLIFT HR DAMPER MOUNT, WHITE          | 2        | 2        |
|                                                            |  |              |               | 9        | 25340-0     | HANDLE LATCH-STD                        | 1        | 1        |
|                                                            |  |              |               | 10       | 72698-W     | PL, 6' PS, OS BAR W/ LATCH CLAMP, WHITE | 1        | 1        |
|                                                            |  |              |               | 11       | 70107-W     | PROLIFT,LMT,DR ASM,PS,R,W               | -        | 1        |
|                                                            |  |              |               | 12       | 68031-W     | DROP DOWN FRONT ARM ASSM DS, WHITE      | -        | 1        |
|                                                            |  |              |               | 13       | 6563-B      | DROP DOWN, CS CENTER DRIVELINE, BLK     | -        | 1        |

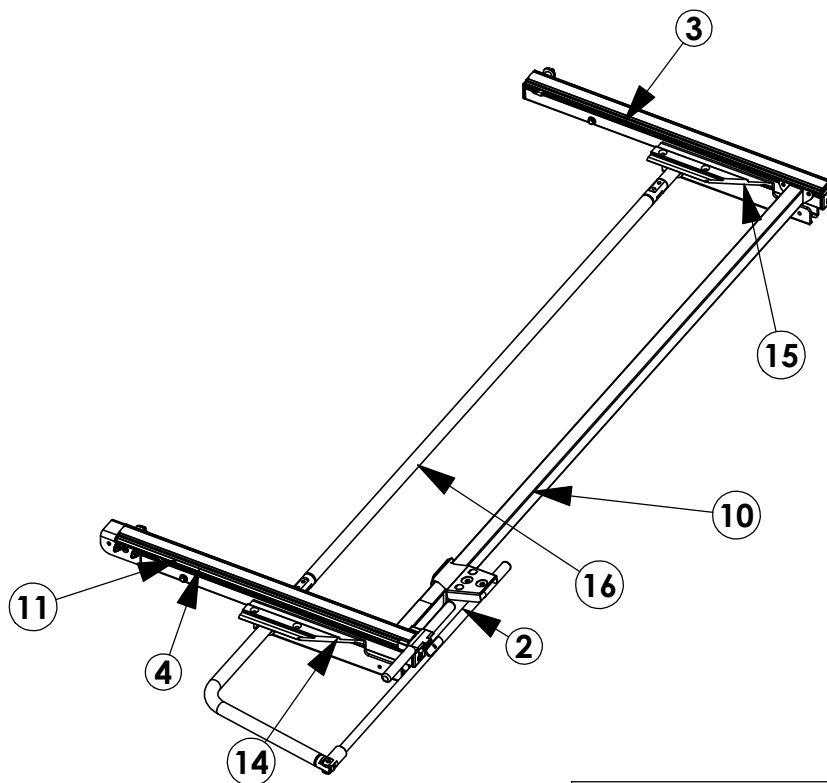
- PART NUMBERS WITH "-W" SUFFIX ARE PAINTED WHITE  
- FOR BLACK MOUNTING KITS, REPLACE "-W" PARTS WITH "-B" PARTS

**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    | 70106       |
| PLMDDSLT5    | 80065       |
| PLMDPSLT5    | 80064       |
| PLMDDSLT6    | 80065       |
| PLMDPSLT6    | 80064       |



**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 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.

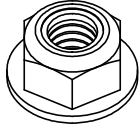
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**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.

**FASTENERS AND HARDWARE USED**

**BAG REFERENCE: BAG68181 & BAG68182**



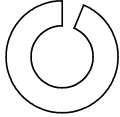
FAS0861  
NUT,HEX NLK FLG 5/16-18  
QTY: 20



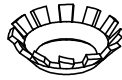
FAS0110  
NUT,HEX NLK 3/8-16  
QTY: 01



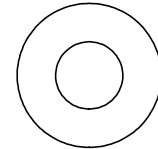
FAS0399  
NUT,HEX NLK LT 3/8-16  
QTY: 01



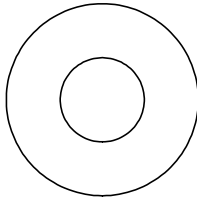
FAS0588  
WASHER,LCK SPLIT 5/16  
QTY: 03



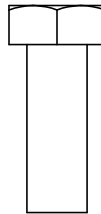
FAS0857  
WASHER,LCK EXT CS 5/16  
QTY: 04



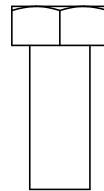
FAS0552  
WASHER,FLAT USS 5/16  
QTY: 09



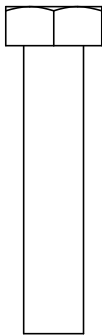
FAS0720  
WASHER,FLAT USS 3/8  
QTY: 01



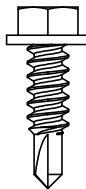
FAS0283  
SCREW,HH 5/16-18X.875  
QTY: 03



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



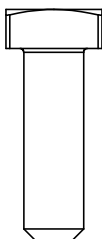
FAS0242  
SCREW,HH 5/16-18X1.5  
QTY: 04



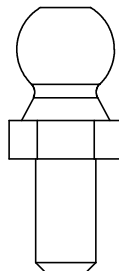
FAS0473  
SCREW,HH TEK #12X.75  
QTY: 04



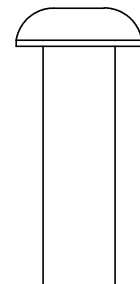
FAS0856  
SCREW,FHH 5/16-18X1.13  
QTY: 04



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



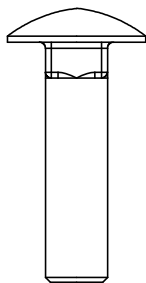
34927-0  
BALL STUD 13MM X 5/16-18  
QTY: 02



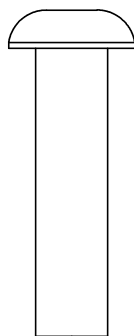
FAS0701  
SCREW,BHCS 3/8-16X1.25  
QTY: 01

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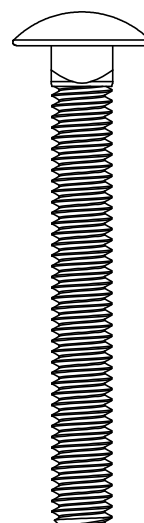
**FASTENERS AND HARDWARE USED**



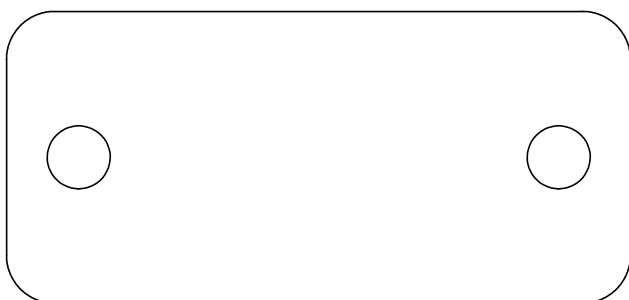
FAS0812  
BOLT,CRG 5/16-18X1.25  
QTY: 04



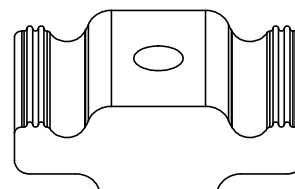
FAS0819  
SCREW,BHCS 3/8-16X1.5  
QTY: 01



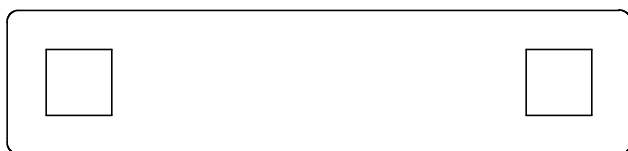
FAS0838  
BOLT,CRG 5/16-18X2.5  
QTY: 04



64831  
REAR ROLLER, SPACER  
QTY: 02



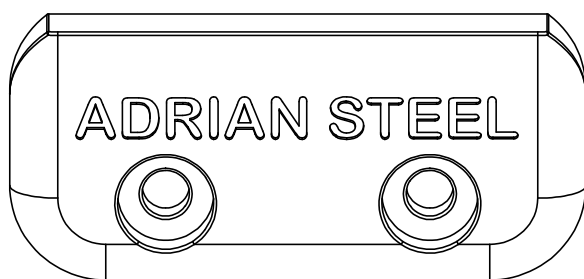
63490  
RAIL SLIDE, 1"  
QTY: 05



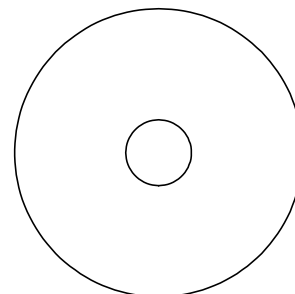
64830  
REAR ROLLER, BOLT PLATE  
QTY: 02



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



65961  
DROP DOWN END CAP  
QTY: 02



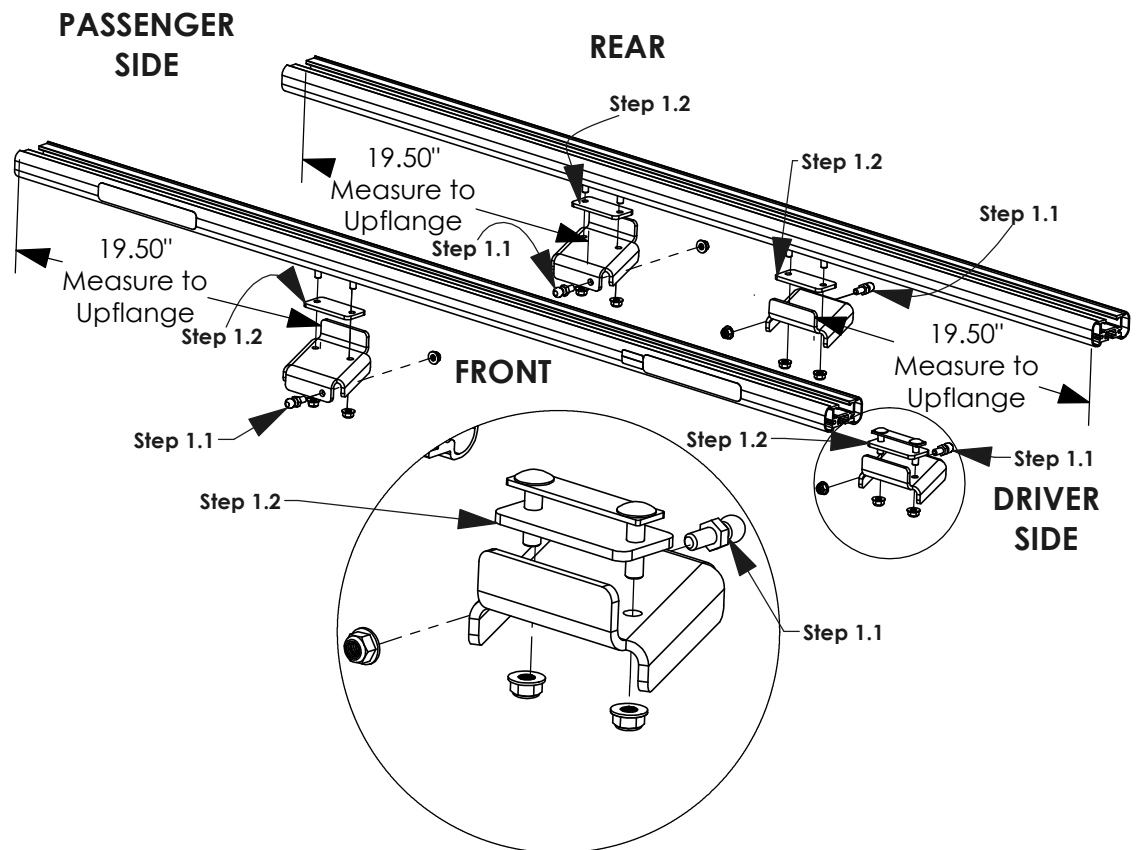
**DISCARD** FAS0603  
SCREW,HH 5/16-18X.875  
QTY: 01

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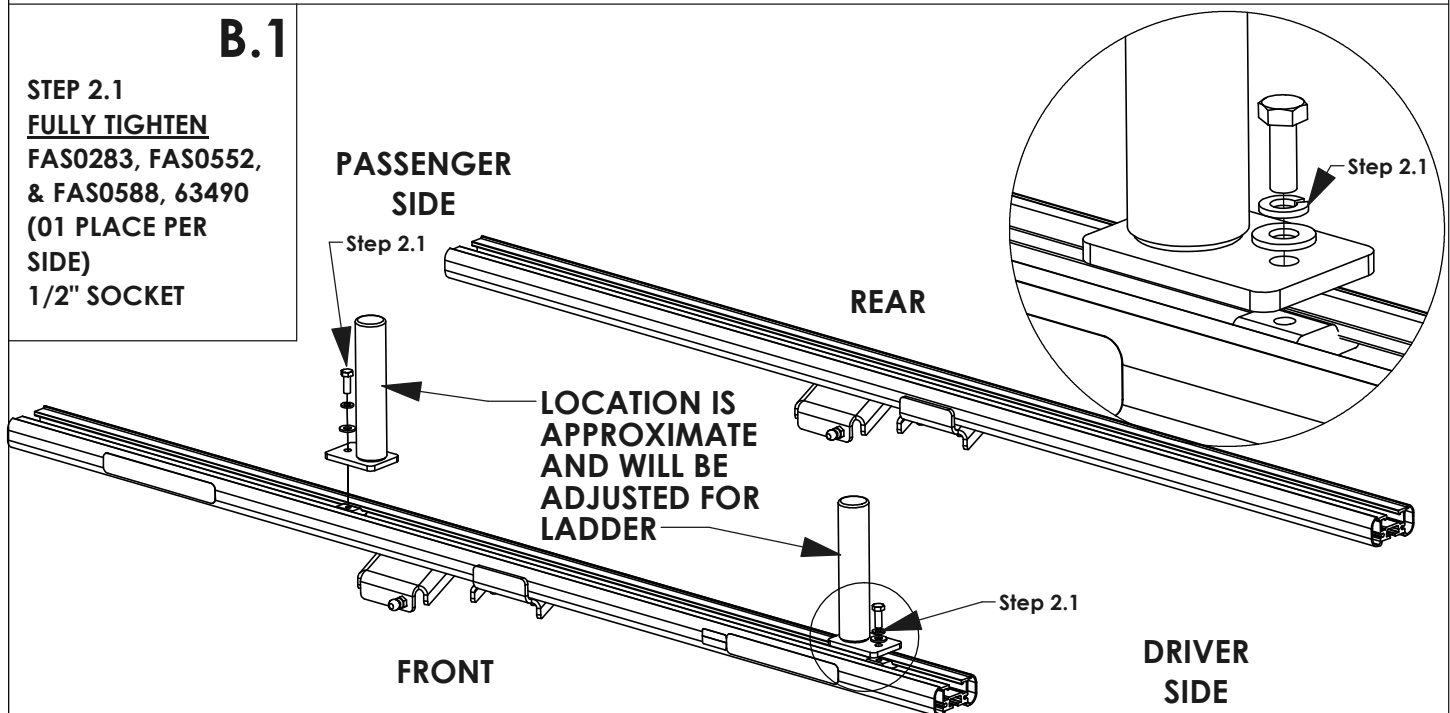
**STEP 1 - MOUNT DAMPER BRACKETS****A.2**

**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**

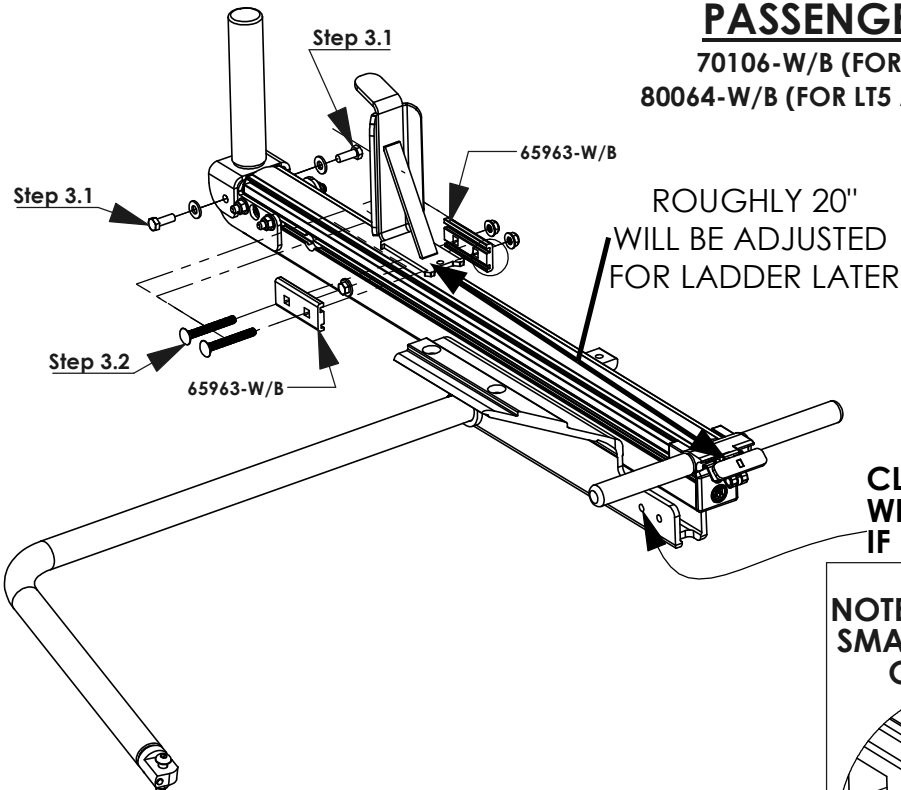


# STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

## REAR SUB-ASSEMBLY

### STEP 3.1 FULLY TIGHTEN

FAS0283, FAS0552,  
& FAS0861  
(02 PLACES)  
1/2" WRENCH  
1/2" SOCKET

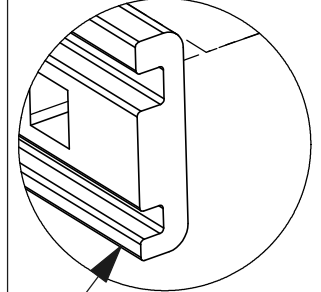


### PASSENGER SIDE

70106-W/B (FOR LT4 MODELS)  
80064-W/B (FOR LT5 AND LT6 MODELS)

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

NOTE ORIENTATION:  
SMALLER CHANNEL  
ON BOTTOM

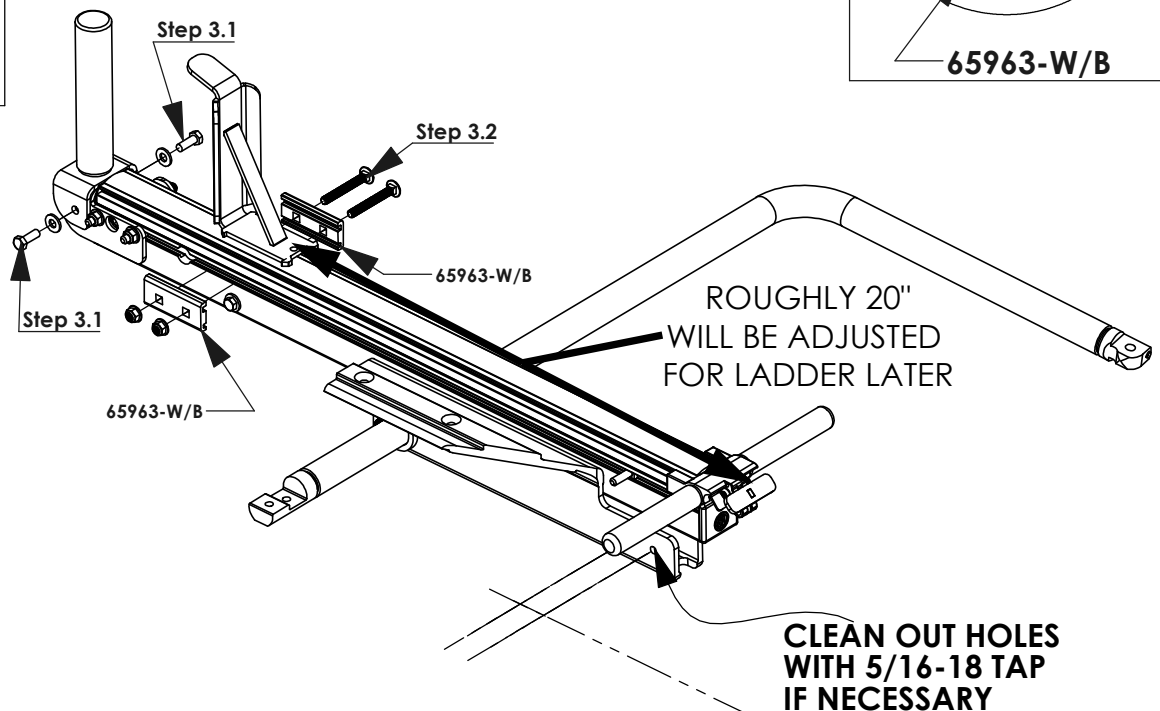


### STEP 3.2 FULLY TIGHTEN

FAS0838 &  
FAS0861  
(02 PLACES)  
1/2" SOCKET

### DRIVER SIDE

70107-W/B (FOR LT4 MODELS)  
80065-W/B (FOR LT5 AND LT6 MODELS)

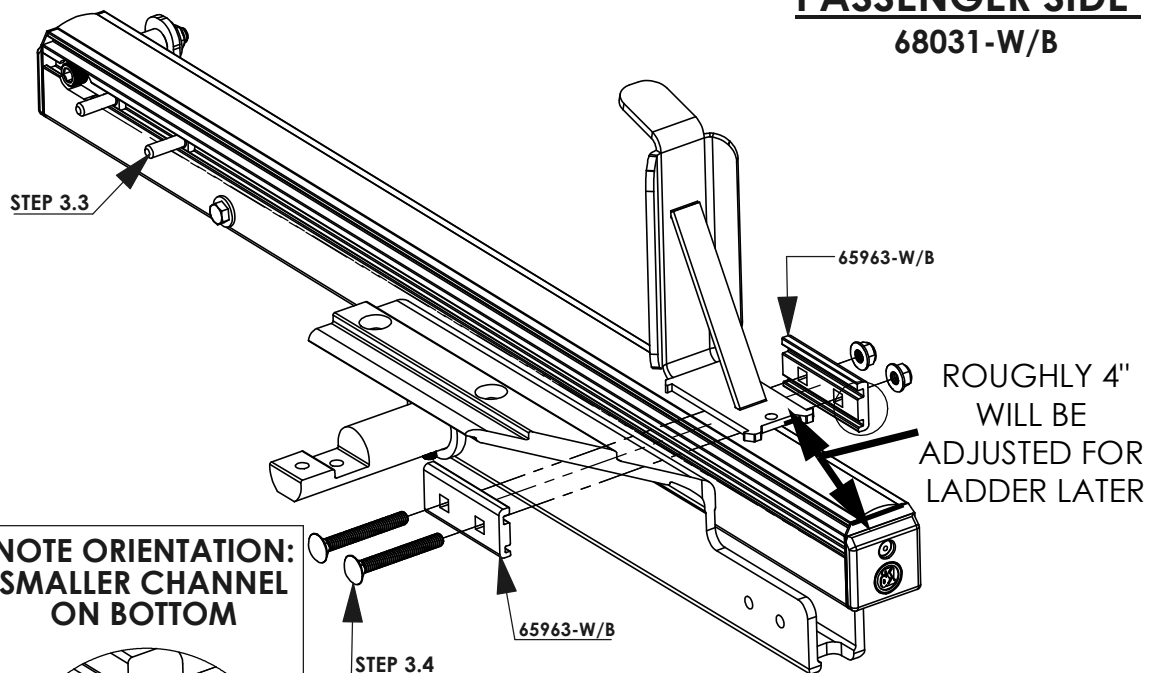


CLEAN OUT HOLES  
WITH 5/16-18 TAP  
IF NECESSARY

**FRONT SUB-ASSEMBLY****PASSENGER SIDE**

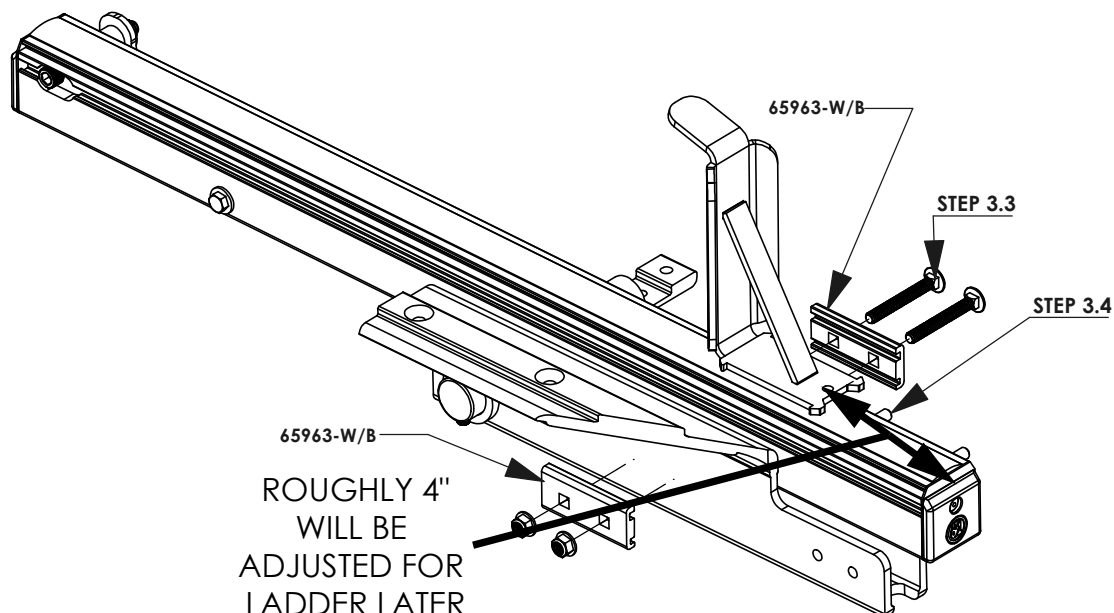
68031-W/B

**STEP 3.3**  
**FULLY TIGHTEN**  
**FAS0838 &**  
**FAS0861**  
**(02 PLACES)**  
**1/2" SOCKET**

**DRIVER SIDE**

68013-W/B

**STEP 3.4**  
**FAS0035**  
**SLIDE INTO SLOT**  
**(02 PLACES)**





# 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

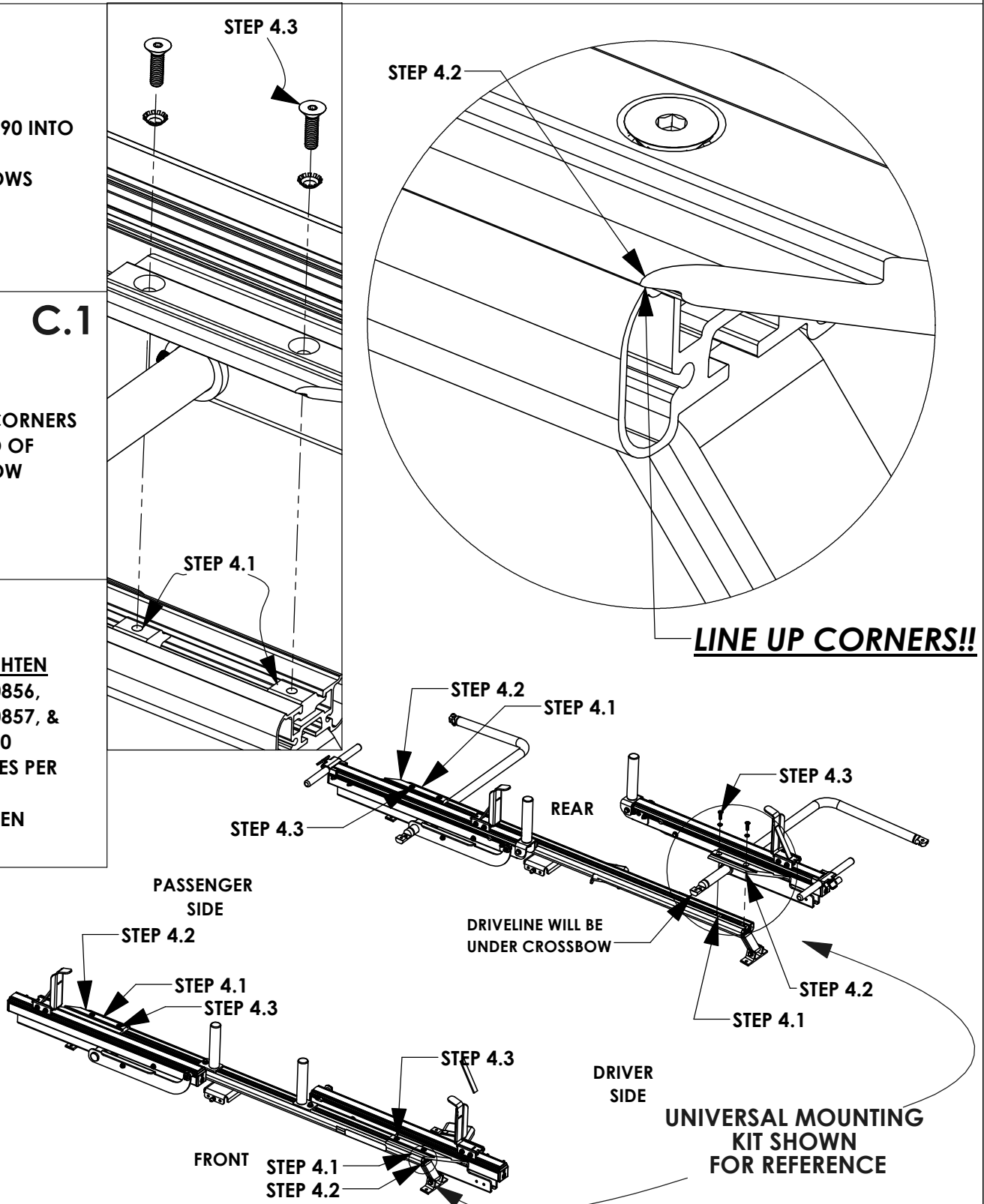
C.1

### STEP 4.2

LINE UP CORNERS  
WITH END OF  
CROSSBOW

### STEP 4.3

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



**STEP 5 - INSTALL DRIVELINE****STEP 5.1****FULLY TIGHTEN**

FAS0242, FAS0552

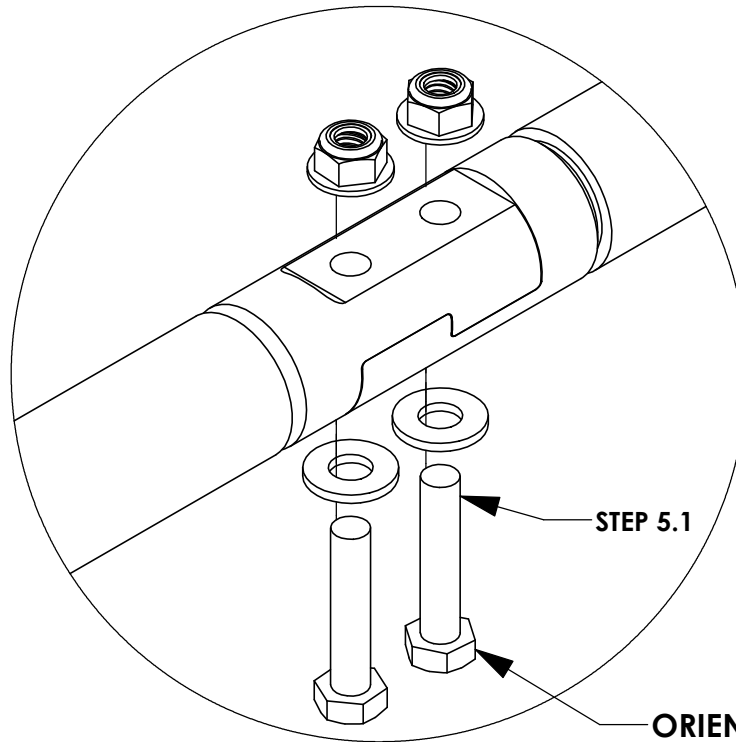
&amp; FAS0861

(04 PLACES PER  
SIDE)

1/2" WRENCH

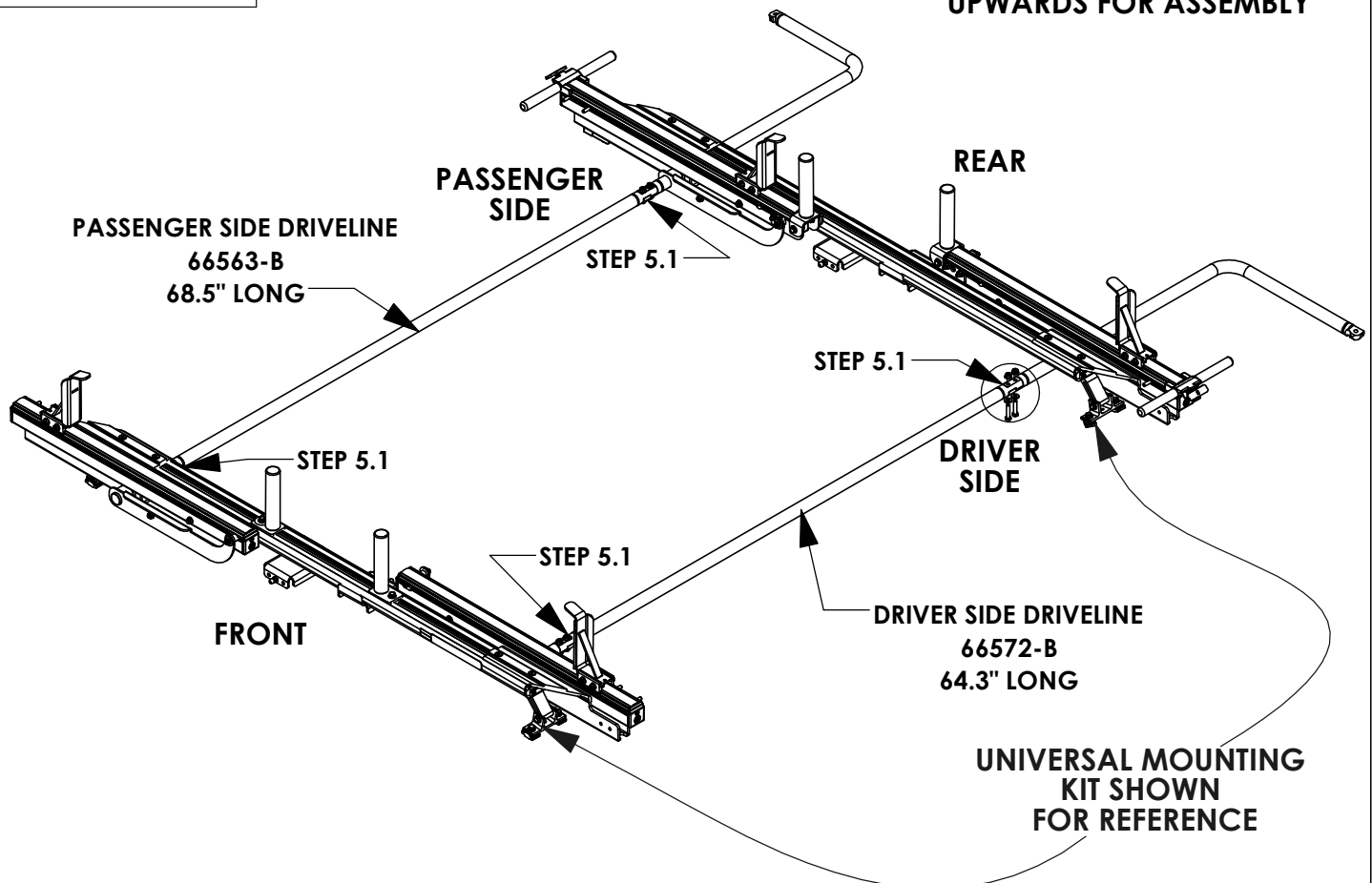
1/2" SOCKET

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



STEP 5.1

**ORIENTATION OF BOLTS IS  
UPWARDS FOR ASSEMBLY**



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

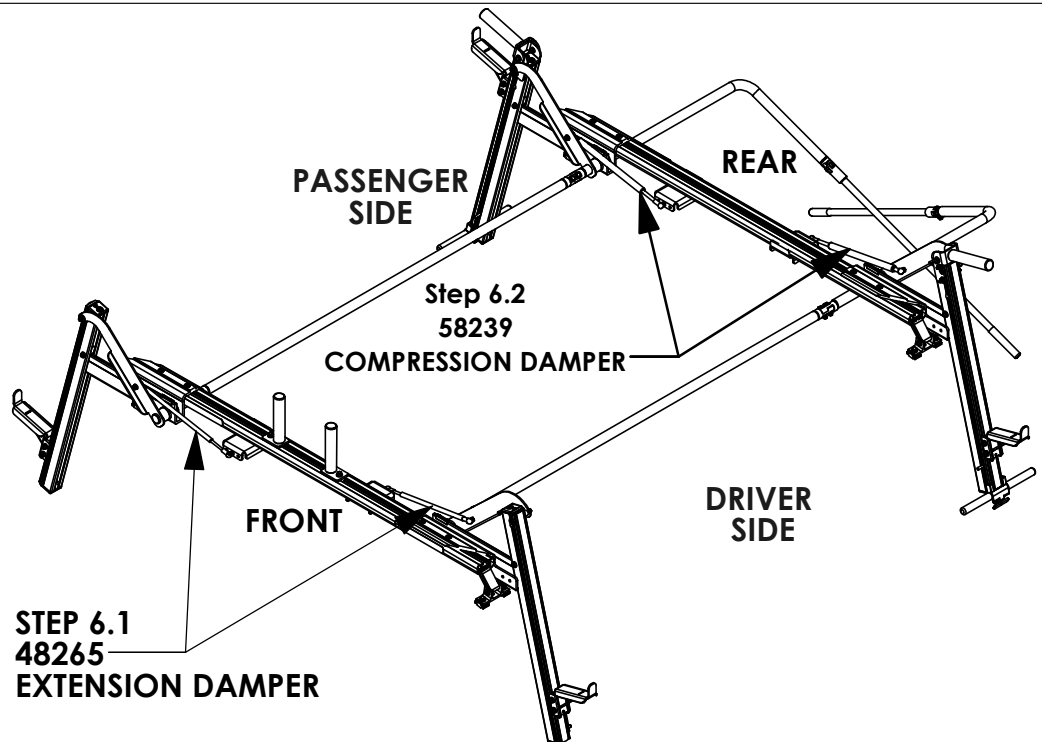
**Step 6.1**  
ATTACH EXTENSION  
DAMPERS (48625) TO  
BALL STUDS.

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

**Step 6.2**  
ATTACH  
COMPRESSION  
DAMPERS (58239) TO  
BALL STUDS.

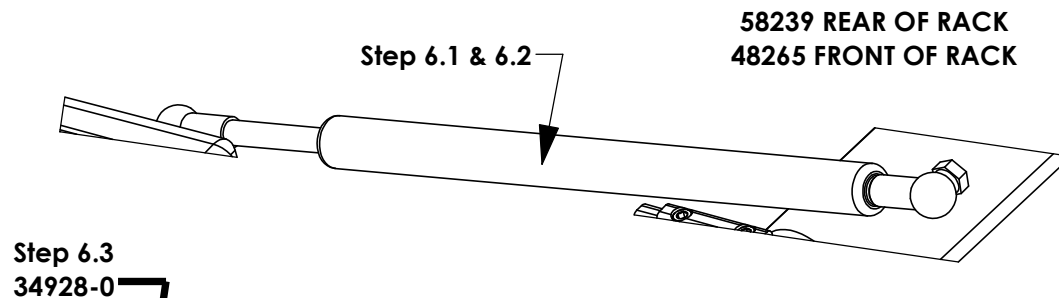
ORIENTATION OF  
DAMPER MATTERS!!!  
(01 PLACE PER SIDE)

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

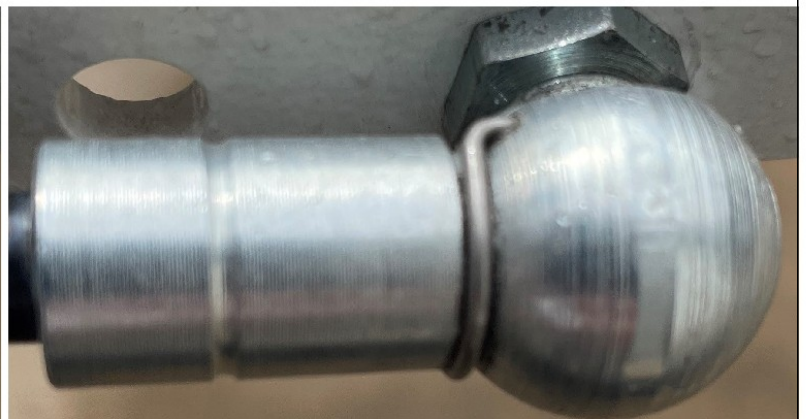
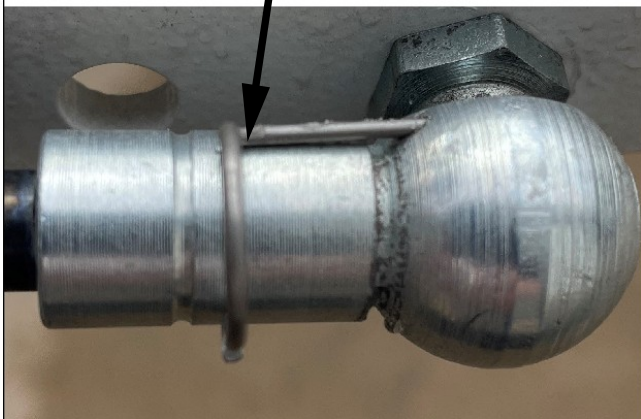


## ORIENTATION OF DAMPER MATTERS!!!!

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

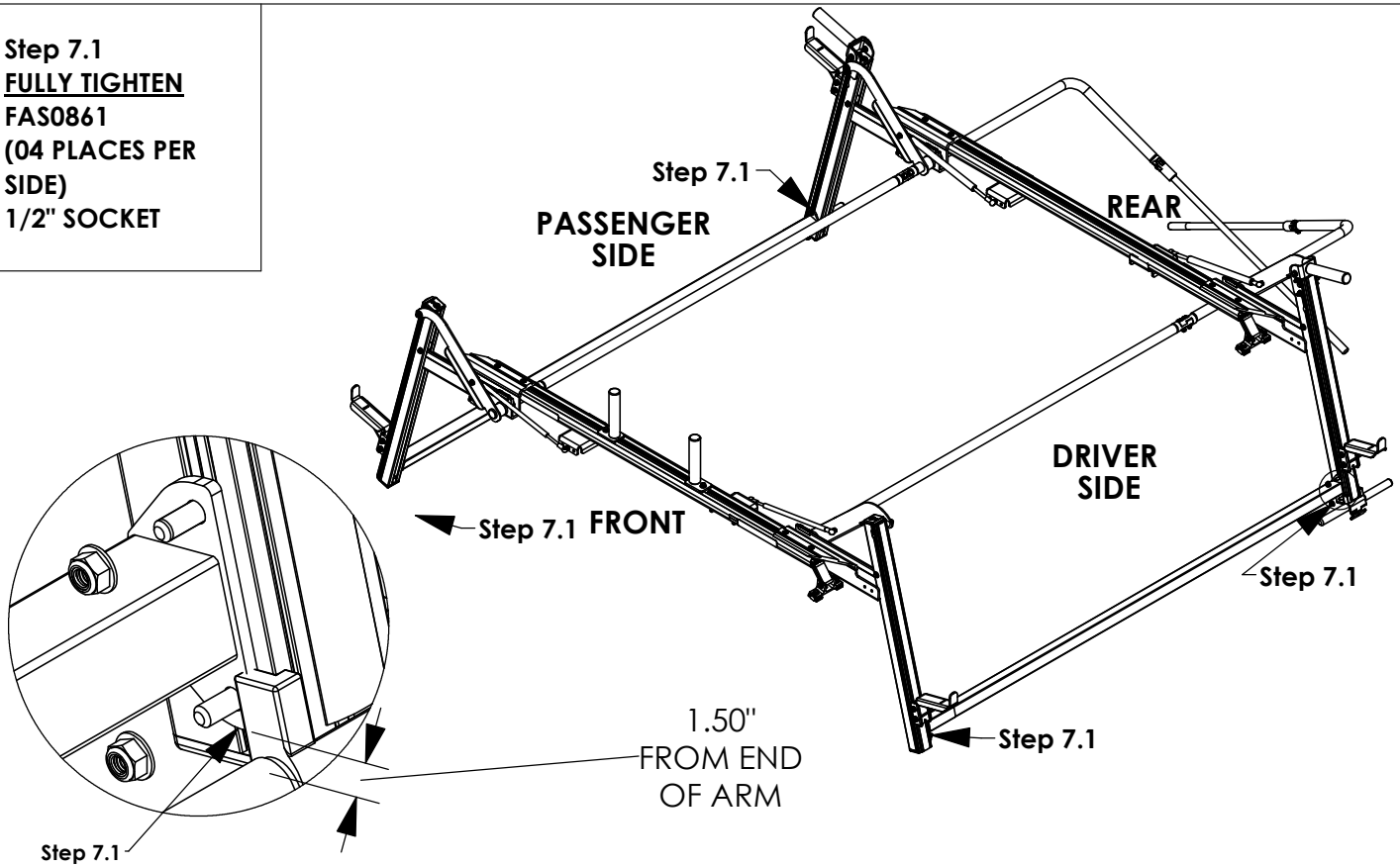


**Step 6.3**  
34928-0

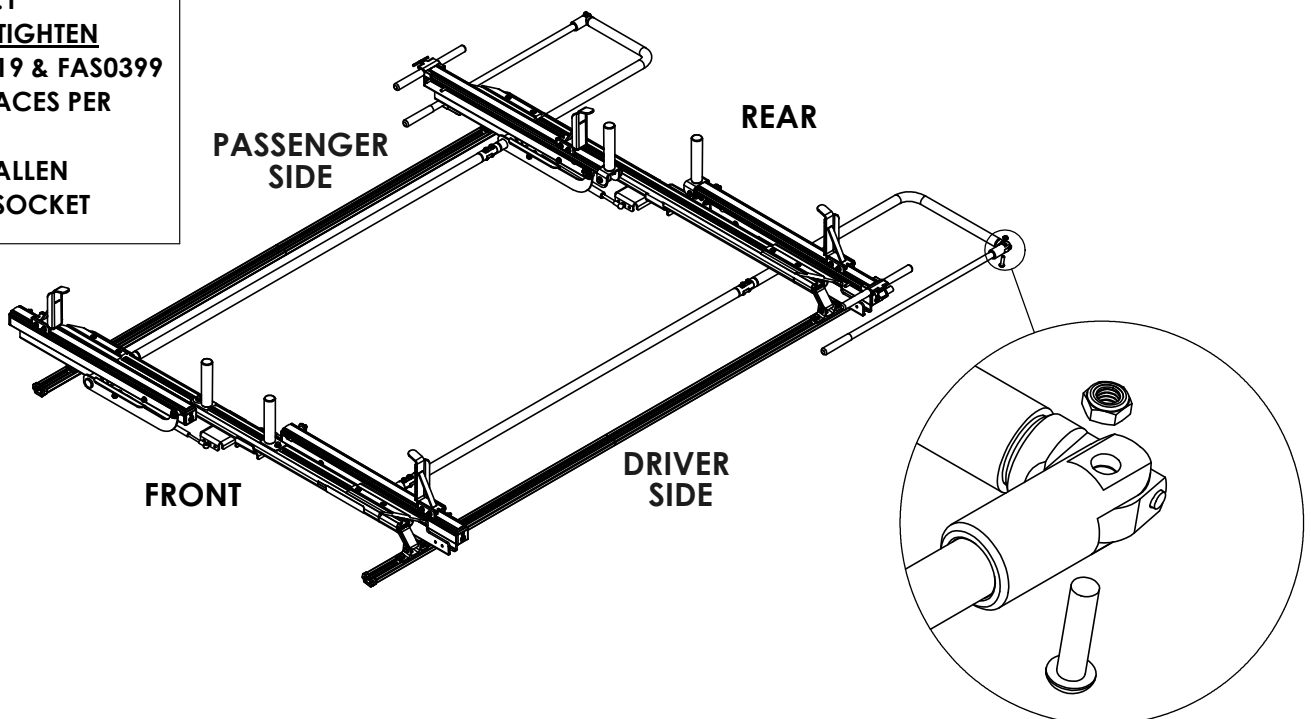


**STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR**

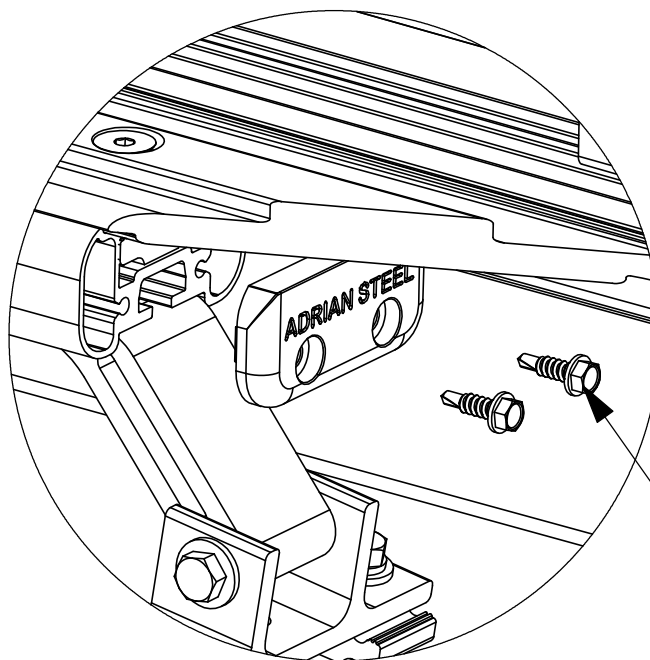
**Step 7.1**  
**FULLY TIGHTEN**  
**FAS0861**  
**(04 PLACES PER**  
**SIDE)**  
**1/2" SOCKET**

**STEP 8 - INSTALL DROP DOWN HANDLE**

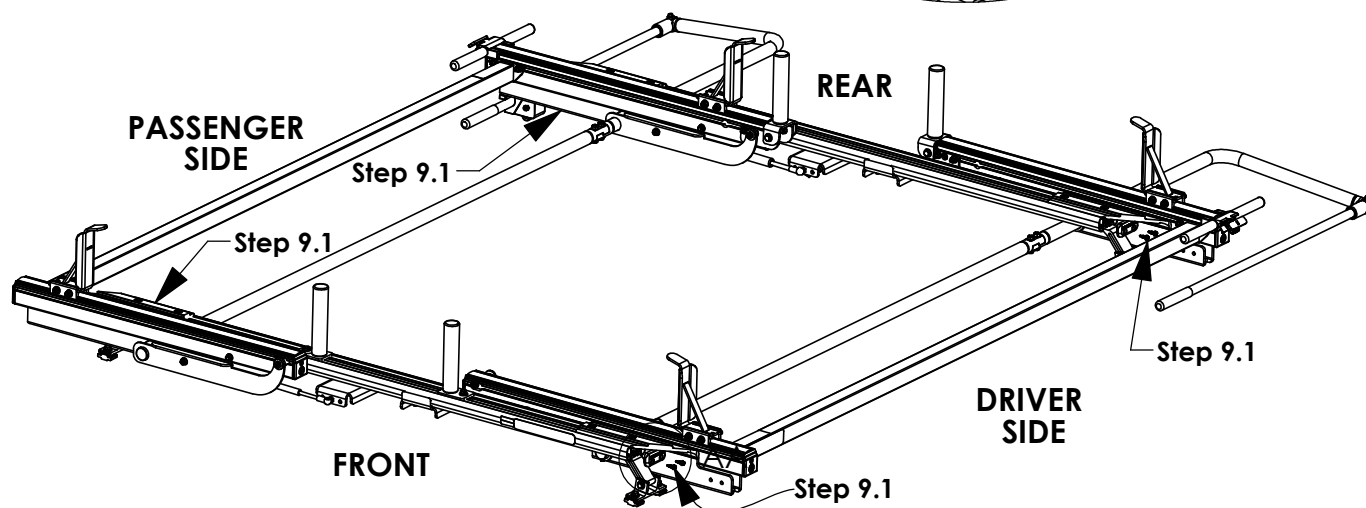
**Step 8.1**  
**FULLY TIGHTEN**  
**FAS0819 & FAS0399**  
**(01 PLACES PER**  
**SIDE)**  
**7/32" ALLEN**  
**9/16" SOCKET**

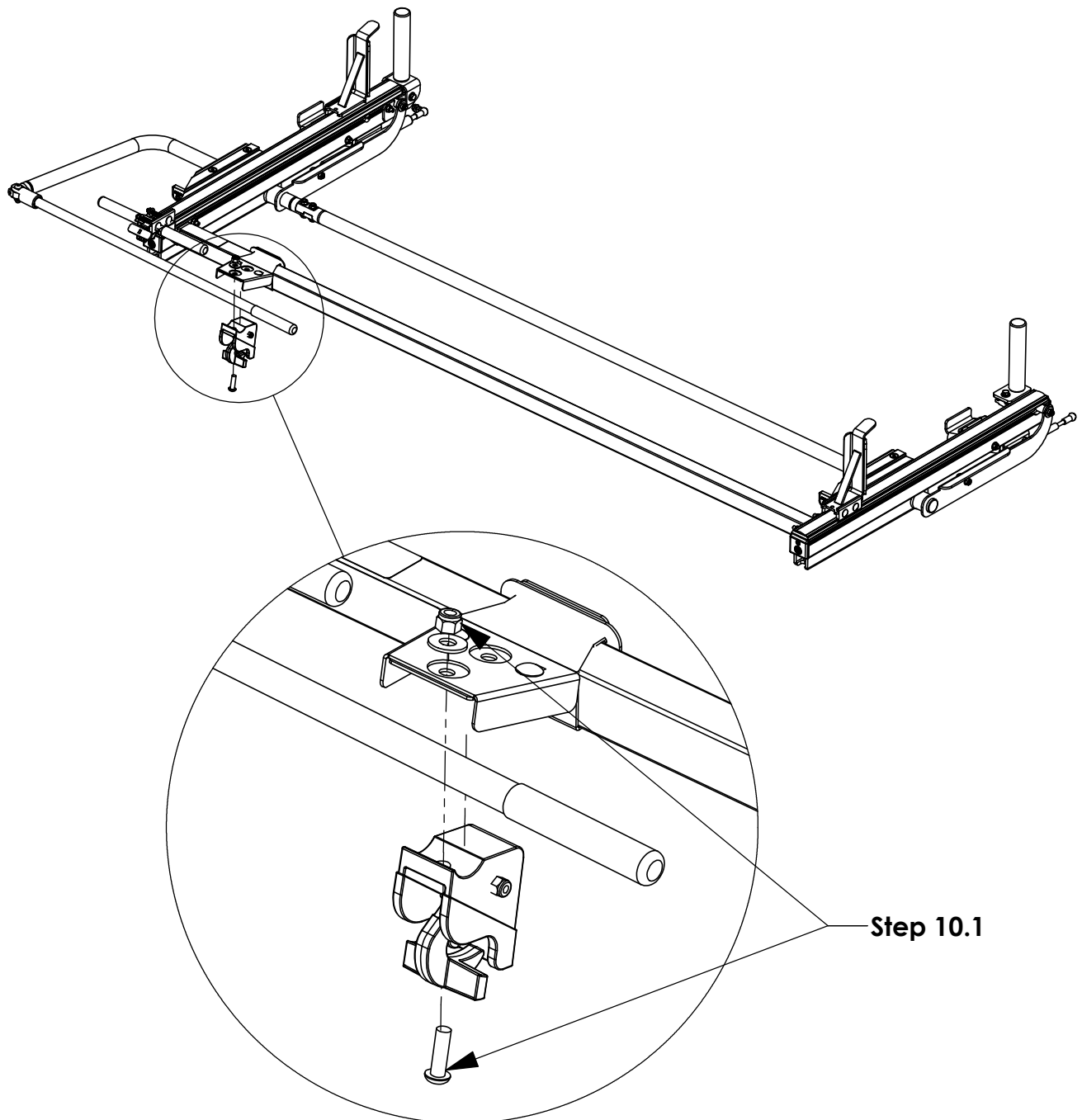


**MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE**

**STEP 9 - INSTALL CROSSBOW END CAPS****Step 9.1****FULLY TIGHTEN****(02) FAS0473, 65961****(02 PLACES PER SIDE)****3/8" SOCKET**

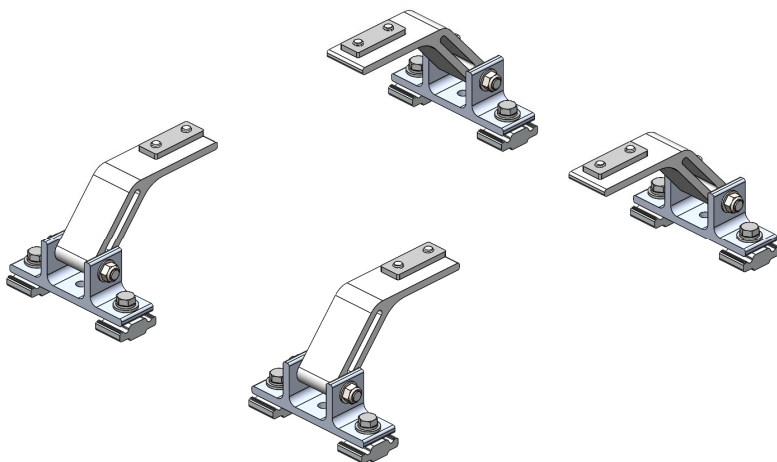
Step 9.1

**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**



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



PRODUCT WEIGHT  
**4.0 LBS**

HEIGHT OFF ROOF  
**SEE TABLE BELOW**

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

**BLACK**

CATALOG NUMBER

**URMBK4B**

### 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      URM BK4B**

**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.<br>NUMBER : <b>66850</b> | PG:<br><b>1</b> | REV:<br><b>E</b> | ITEM<br>NO. | PART<br>NUMBER | DESCRIPTION                  | URMBK4W | URMBK2W |
|---------------------------------|-----------------|------------------|-------------|----------------|------------------------------|---------|---------|
|                                 |                 |                  | 1           | 65123-W        | UTILITY,FT MOUNT<br>ARM,ST,W | 4       | 2       |
|                                 |                 |                  | 2           | 63852-W        | UTILITY, MOUNTING<br>BRKT, W | 4       | 2       |

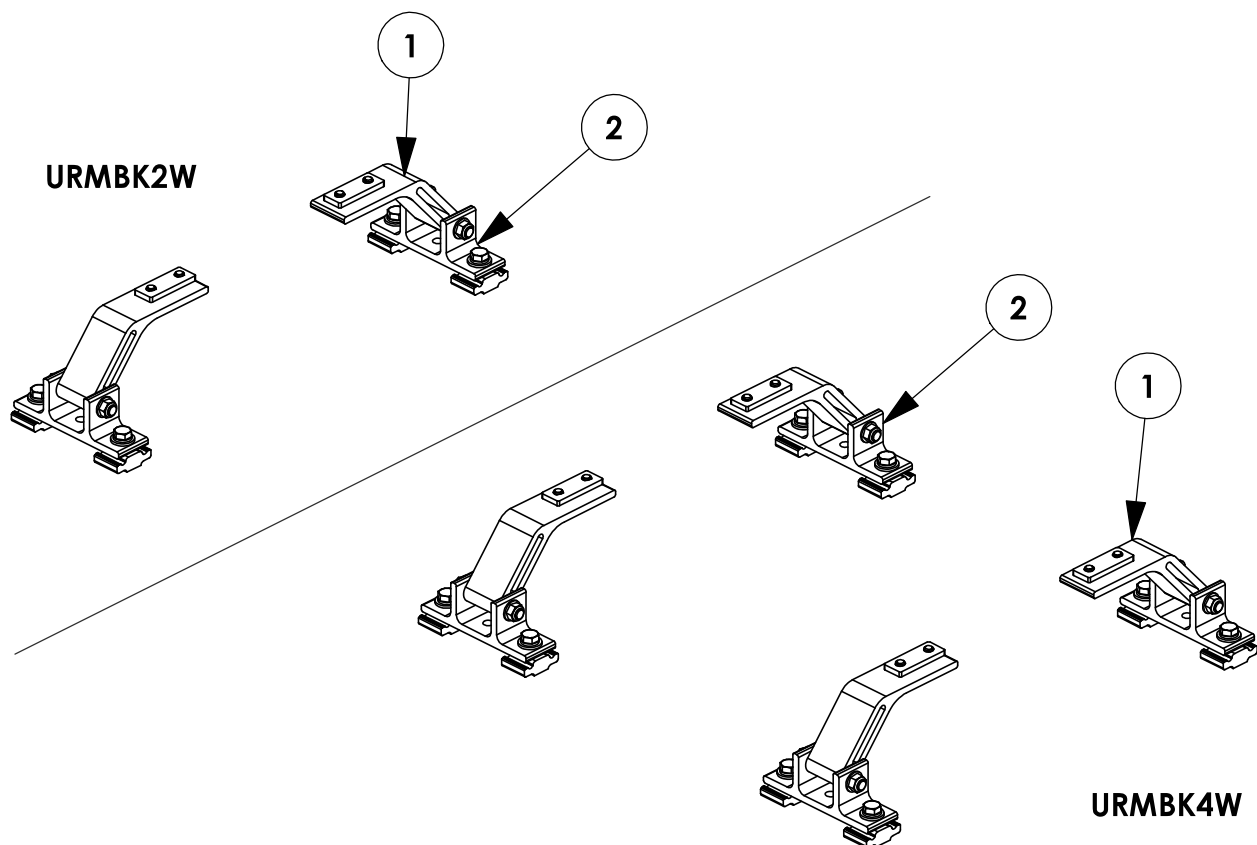
PART  
NUMBER : **URMBK**

PART  
DESC. : UTILITY,MNT BKT KT,RAIL

**-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.

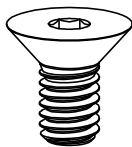
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**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).

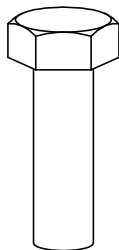
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

**FASTENERS AND HARDWARE USED**

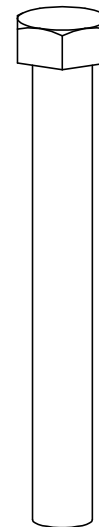
**BAG REFERENCE: BAG66848**



**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**



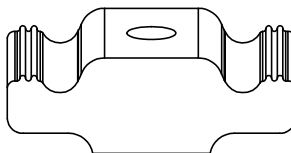
**FAS0588**  
**5/16 SS**  
**SPLIT WASHER**  
**QTY: 8**



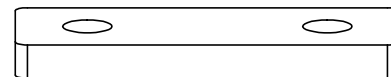
**FAS0552**  
**5/16 SS**  
**FLAT WASHER**  
**QTY: 12**



**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**

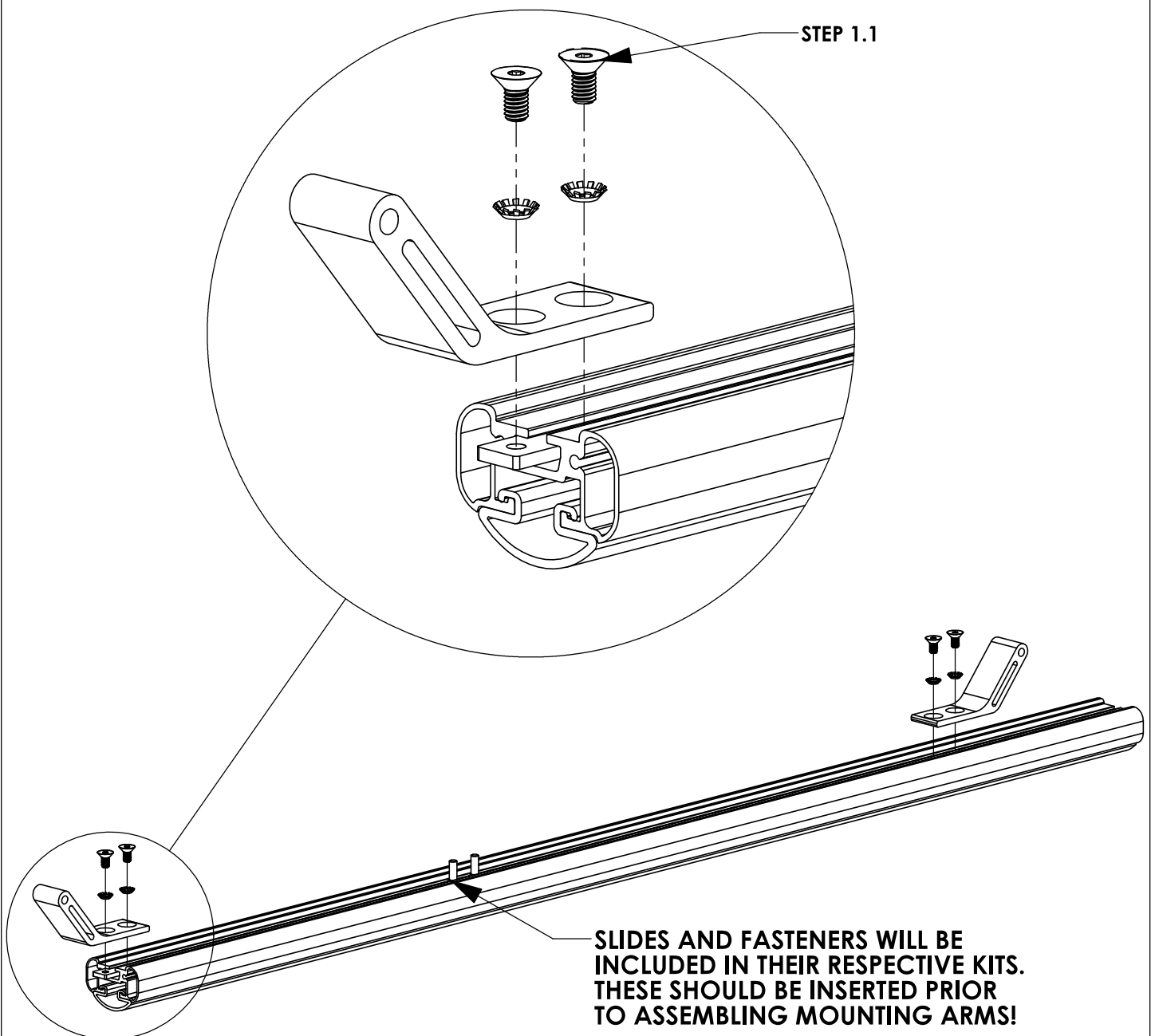
**LOOSELY ASSEMBLE  
UNTIL AFTER STEP 3**

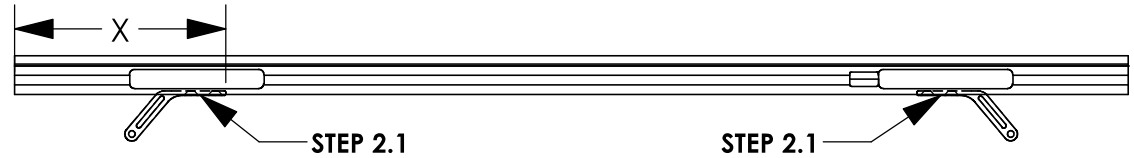
(2) FAS0857, (2)  
FAS0858, 68042

(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****CENTER CROSSBOW ON MOUNTING BRACKETS****VEHICLE PLATFORM****DIMENSION "X" (in.) -  
58" CROSSBOW****DIMENSION "X" (in.) -  
68" CROSSBOW****FORD TRANSIT**

6 5/8"

11 5/8"

**RAM PROMASTER**

6"

11"

**NISSAN NV**

4 7/8"

9 7/8"

**MERCEDES SPRINTER  
(LOW ROOF)**

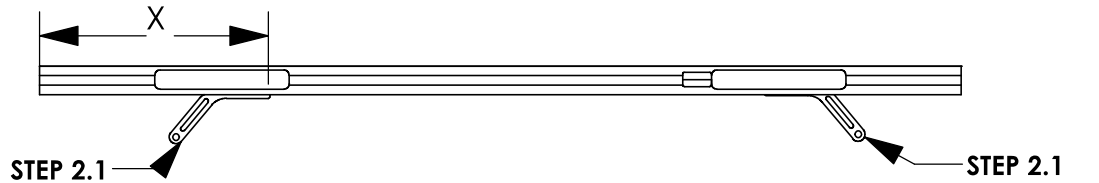
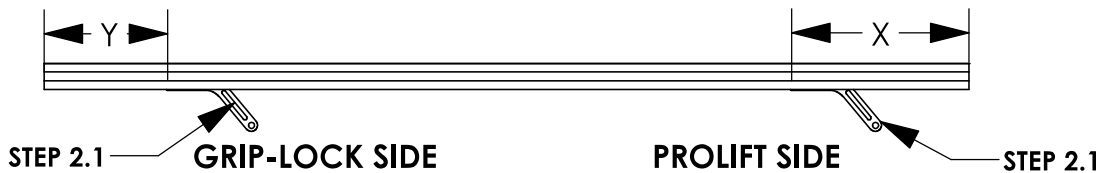
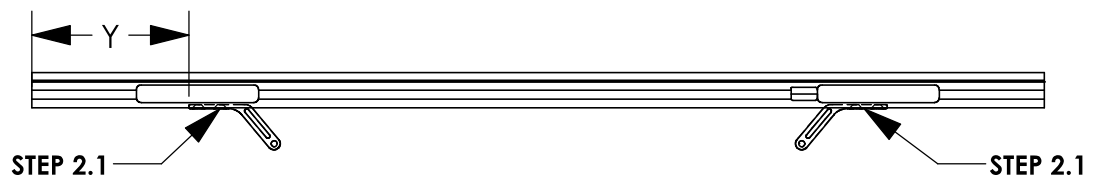
4 5/8"

9 5/8"

**MERCEDES SPRINTER  
(HIGH ROOF)**

8 1/8"

13 1/8"

**DIMENSION WILL  
VARY BASED ON  
ROOF RAIL  
PLACEMENT ON  
TOPPER****PICKUP TRUCK TOPPERS****FEET ORIENTATION FOR DUAL PROLIFT SHOWN****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**

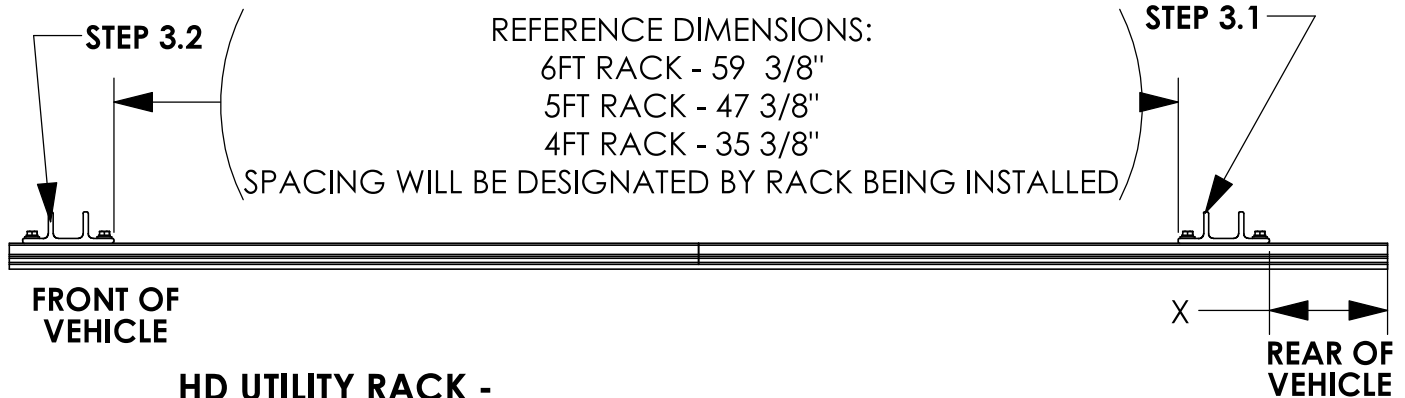
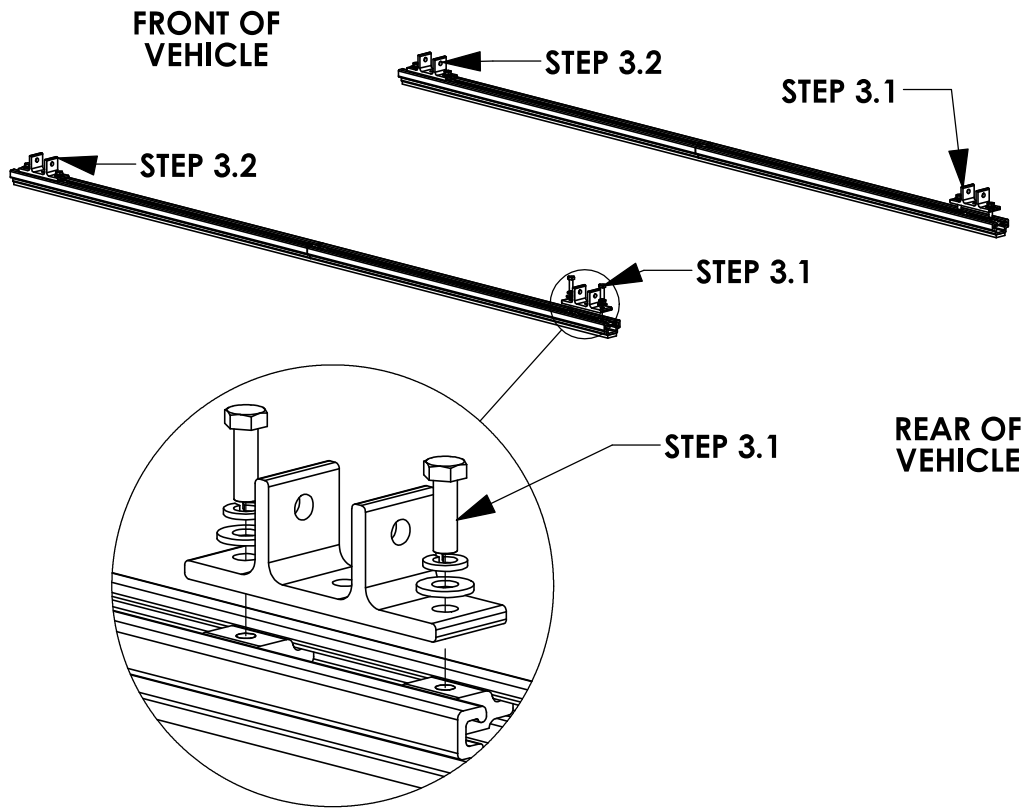
FAS0597, FAS0552,  
FAS0588, 63490 ON  
REAR MOUNTING FEET

(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

**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/<br>WHEELBASE | POSITION X<br>(IN) | ROOF HEIGHT/<br>WHEELBASE | POSITION X<br>(IN) | ROOF HEIGHT/<br>WHEELBASE | POSITION X<br>(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)

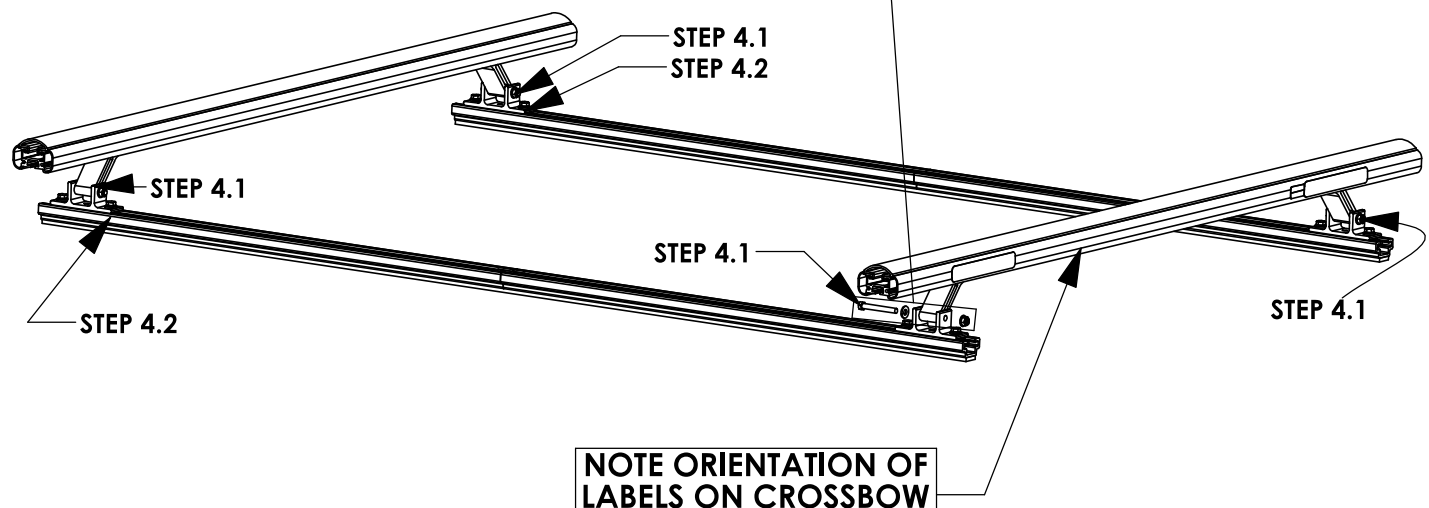
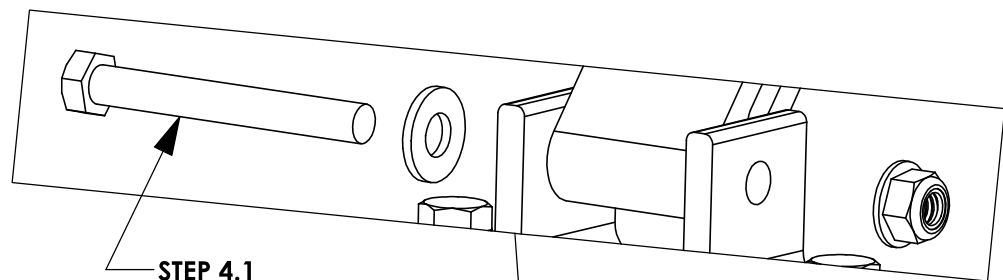
1/2" SOCKET  
1/2" WRENCH

**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

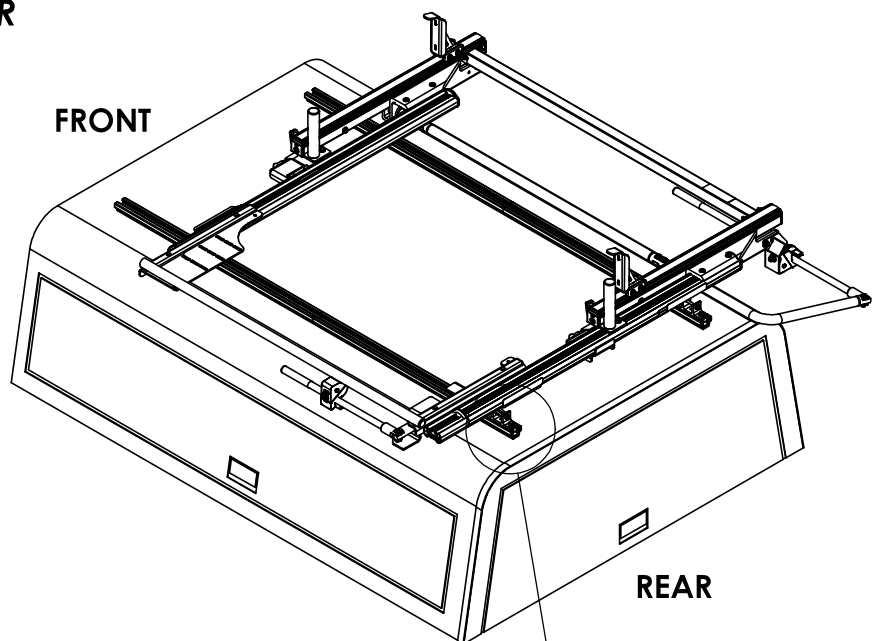
#### GRIP LOCK/PROLIFT LADDER RACKS -

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

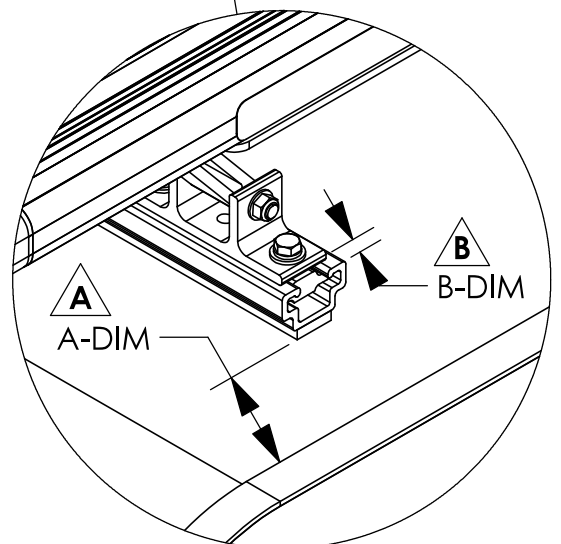
### 6' ARE TOPPER / 8' LEER TOPPER

**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/<br>DIMENSION | 6' ARE<br>TOPPER | 8' LEER<br>TOPPER |
|----------------------|------------------|-------------------|
| A-DIM                | 3.00"            | 1.00"             |
| B-DIM                | 0.50"            | 0.50"             |



#### NOTE:

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

INSTALLATION IS COMPLETE!! MAKE SURE ALL FASTENERS ARE TIGHTENED



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



PRODUCT WEIGHT  
**13.4 LBS**

CROSSBOW LENGTH X  
HEIGHT

**49" x 2"**

CAPACITY

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

COLOR

**BLACK**

CATALOG NUMBER

**2BARTOPB**

### 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.**

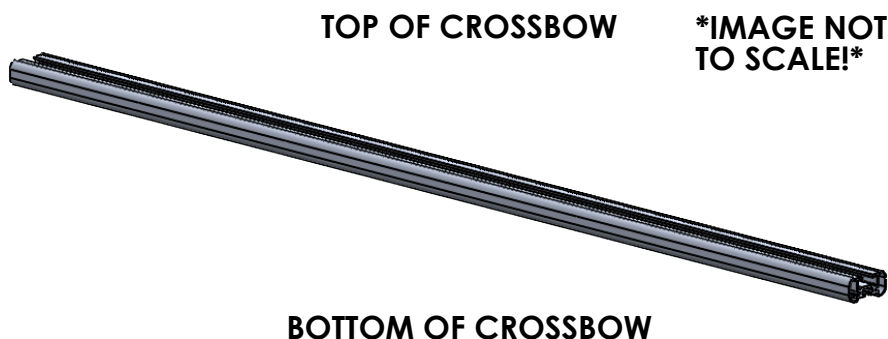
**STEPS 2R - 8R ON PAGE 4 IS AN ALTERNATE ASSEMBLY SEQUENCE TO INSTALL THE RACK ON THE VEHICLE ROOF AS IT IS BUILT.**

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 | HD UTILITY | - CONDUIT KIT OR BEACON |
|     | Grip-Lock  | - CONDUIT KIT OR BEACON |
|     | ProLift    | - CONDUIT KIT OR BEACON |

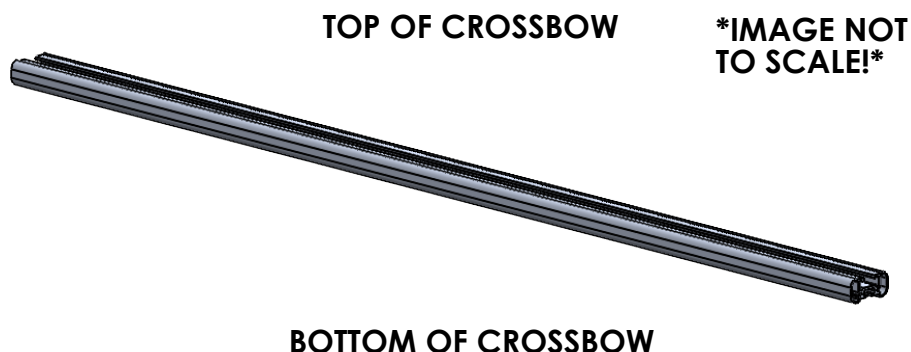
### BOTTOM OF CROSSBOW

#### COMPONENTS TO INSTALL

|     |            |                                                   |
|-----|------------|---------------------------------------------------|
| A.2 | HD UTILITY | - LADDER STOP, STROBE BRACKET, AND/OR REAR ROLLER |
|     | Grip-Lock  | - Grip-Lock SUB-ASSEMBLY                          |
|     | ProLift    | - 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!**

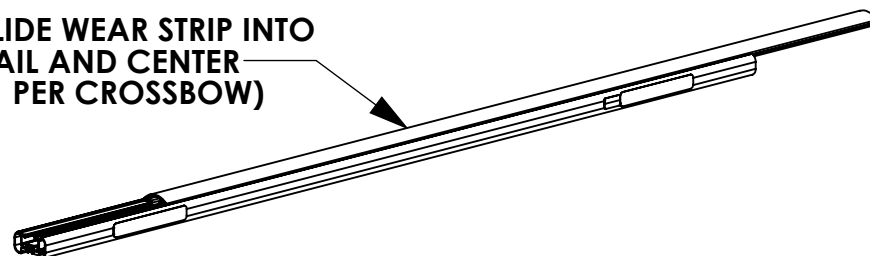


**ALTER WEAR STRIP AND INSTALL ON CROSSBOW (IF APPLICABLE)! REFERENCE TABLE 3 BELOW FOR WEAR STRIP ALTERATION INSTRUCTIONS!**

**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                    |
| ProLift (SINGLE SIDE)    | CUT WEAR STRIP IN HALF, DO NOT INSTALL ON ProLift SIDE |
| ProLift (DUAL SIDE)      | DO NOT INSTALL WEAR STRIP                              |

**SLIDE WEAR STRIP INTO RAIL AND CENTER (1 PER CROSSBOW)**



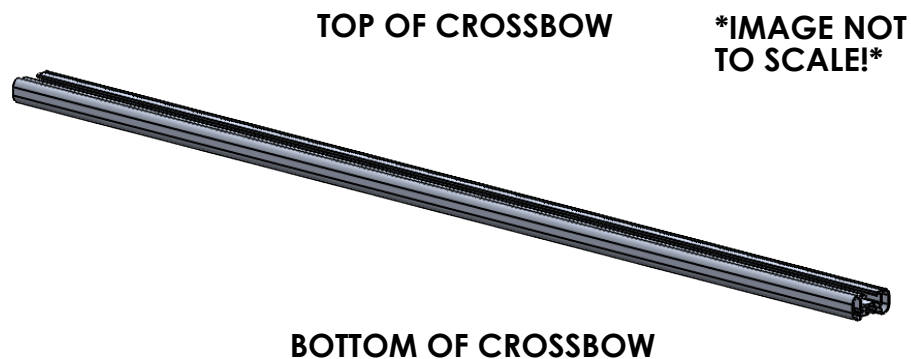
**SLIDE ONE SIDE OF WEAR STRIP INTO CROSSBOW, THEN ROLL OTHER SIDE TO SNAP STRIP INTO PLACE**



**TABLE 2**

| TOP OF CROSSBOW    |                       |                                             |
|--------------------|-----------------------|---------------------------------------------|
|                    | 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                           |
| BOTTOM OF CROSSBOW |                       |                                             |
|                    | COMPONENTS TO INSTALL |                                             |
| <b>B.2</b>         | <u>HD UTILITY</u>     | - MOUNTING BRACKETS                         |
|                    | <u>Grip-Lock</u>      | - MOUNTING BRACKETS                         |
|                    | <u>ProLift</u>        | - MOUNTING BRACKETS                         |

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



**TABLE 4**

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

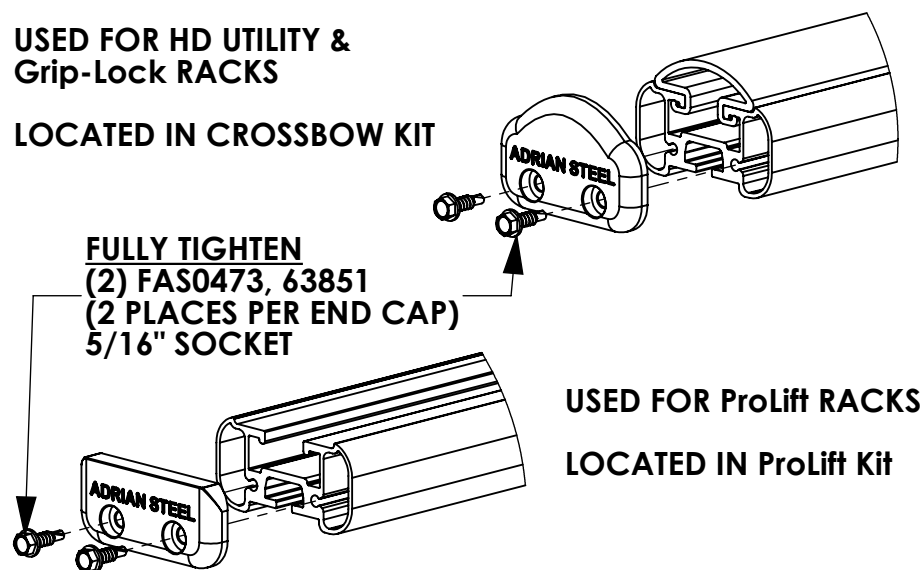
**ASSEMBLY STEPS (FULL BENCH ASSEMBLY):**

- 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)

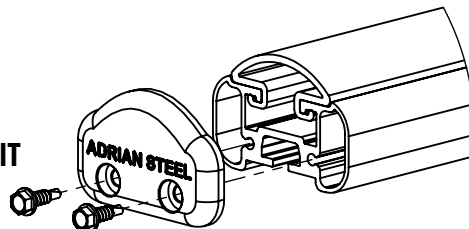
7R. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)

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

