Mounting Bracket Kit, 4-Pack, White, Express, Savana

PRODUCT WEIGHT
5 LBS

HEIGHT OFF ROOF

SEE TABLE BELOW

CAPACITY

REFER TO OEM'S RECOMMENDED LOAD RATING

COLOR

WHITE

CATALOG NUMBER

GMMBK4W

PRODUCT FEATURES

GM Express/Savana galvannealed steel mounting bracket kit for PROFILE™ HD Utility, grip lock, drop down, and combo ladder racks. Mounting kit works for both 135" and 155" wheelbase vehicles.

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

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.

ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles

CATALOG NUMBER **GMMBK4W**

PRODUCT APPLICATION

This product is designed to be installed on GM Express/Savana vans. Works for HD Utility, grip lock, drop down, and combo ladder racks.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
GMMBK2W	Mounting Bracket Kit, 2-Pack, White, Express, Savana	4UPK4B	4” Upright Kit, 4-Pack, Black
2BARW	2-Crossbar Kit, 68”, White, Full Size Van	4UPK2B	4” Upright Kit, 2-Pack, Black
1BARW	Single Crossbar Kit, 68”, White, Full Size Van	6UPK4B	6” Upright Kit, 4-Pack, Black
RRBGMW	Rear Roller Assist Bar, White, Express, Savana	6UPK2B	6” Upright Kit, 2-Pack, Black
70-1NGLR	4” End Cap for PVC Conduit	9UPK4B	9” Upright Kit, 4-Pack, Black
70-2NGLR	6” End Cap for PVC Conduit	9UPK2B	9” Upright Kit, 2-Pack, Black
80-1NGLR	Conduit Kit, 10w x 6h x 126d, Multiple Vehicles	RSK1B	Single Ratchet Upright Kit, 9”
80-2NGLR	Conduit Kit, 10w x 6h x 150d, Multiple Vehicles	ULSKB	Single Ladder Stop Kit

LADDER RACK HEIGHTS MEASURED FROM ROOF OF VEHICLE

CONFIGURATION	RACK HEIGHT
Base Rack	4”
Base + Ladder Stop	9.5”
Base + 4” Uprights	7.5”
Base + 6” Uprights	9.5”
Base + 9”/Ratchet Uprights	12.5”
Base + 4” PVC Conduit Kit	8.4”
Base + 6” PVC Conduit Kit	10.4”
Base + Aluminum Box Conduit Kit	10.5”

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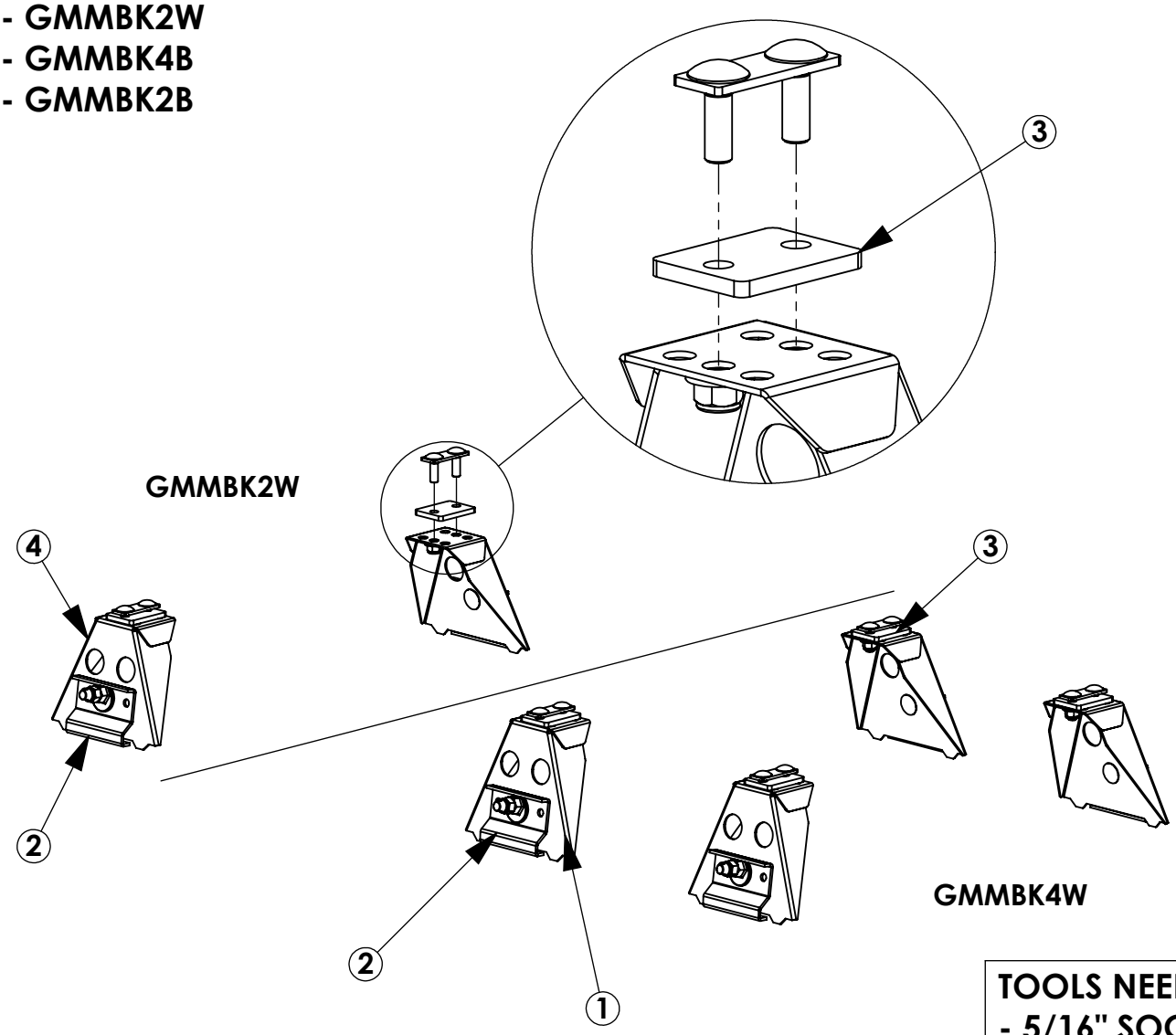
INSTR. NUMBER : 63458	PG: 1	REV: E
PART NUMBER : GMMBK4		
PART DESC. • UTILITY,MNT BKT KT,GM,2,W		

NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

- **GMMBK4W**
- **GMMBK2W**
- **GMMBK4B**
- **GMMBK2B**

ITEM NO.	PART NUMBER	DESCRIPTION	GMMBK4W	GMMBK2W
1	63856-W	UTILITY, GM MOUNT BRKT, WHITE	4	-
2	22856-0	FOOT CLAMP - GMT600,WHITE	4	2
3	63933	UTILITY, COM MOUNT PLATE	4	2
4	63905-W	UTILITY,GM MID MNT BKT, WHITE	-	2

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



TOOLS NEEDED:
- **5/16" SOCKET**
- **9/16" SOCKET**
- **1/2" SOCKET**
- **5/8" WRENCH**
- **DRIVE RATCHET**
- **IMPACT DRIVER**
- **TAPE MEASURE**

BEST PRACTICES

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.

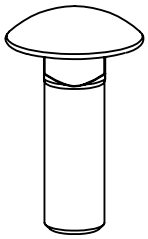
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

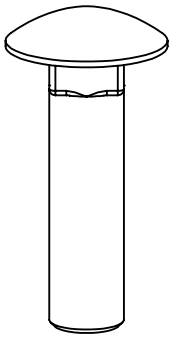
BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

FASTENERS AND HARDWARE USED

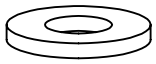
BAG REFERENCE: BAG64733



FAS0398
5/16-18X1 SS
CRG BOLT
QTY: 8

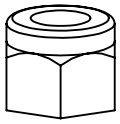


FAS0117
3/8-16X1.5 ZN
CRG BOLT
QTY: 4

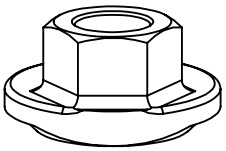


FAS0552
5/16 SS
FLAT WASHER
QTY: 8

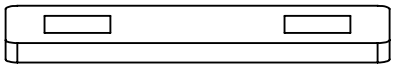
FAS0248
5/16-18 SS
NLK HH NUT
QTY: 8



FAS0110
3/8-16 SS
NLK HH NUT
QTY: 4



07466-0
ADJUSTING
CAM NUT
QTY: 4



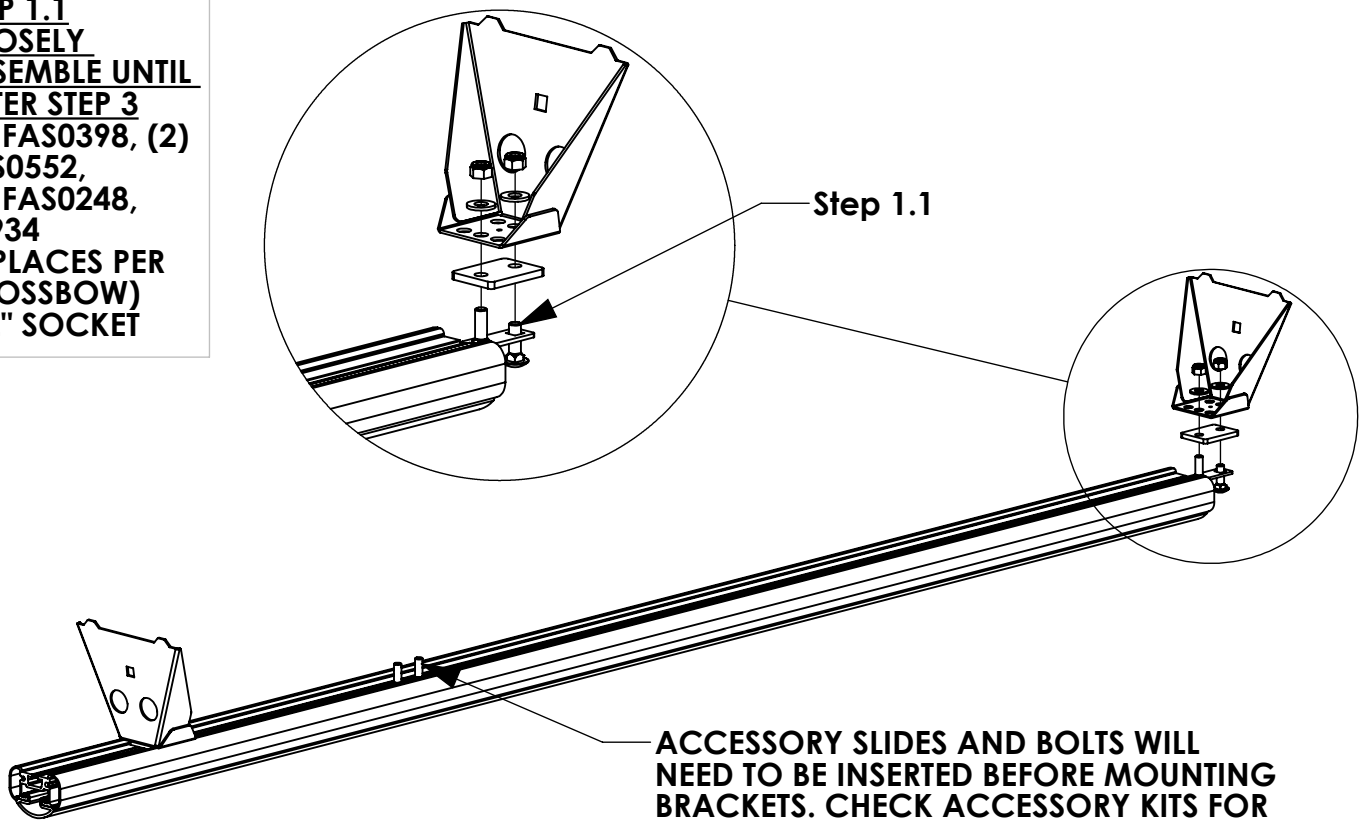
63934
UTILITY,
BOLT PLATE
QTY: 4

INTENTIONALLY LEFT BLANK

CHECK TABLES 1-4 IN INSTRUCTION 68895 FOR ADDITIONAL ACCESSORY SLIDE INSTALLATION BEFORE INSTALLING MOUNTING BRACKETS
(ALL A.2 ITEMS SHOULD BE COMPLETELY INSTALLED FIRST!)

STEP 1 - ASSEMBLE MOUNTING BRACKETS TO CROSSBOW

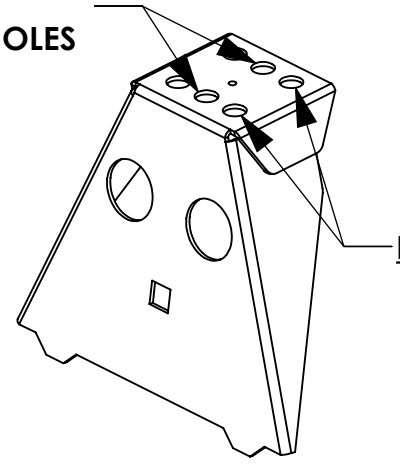
STEP 1.1
LOOSELY ASSEMBLE UNTIL AFTER STEP 3
(2) FAS0398, (2) FAS0552,
(2) FAS0248, 63934
(2 PLACES PER CROSSBOW)
1/2" SOCKET



MOUNTING HOLES TO USE

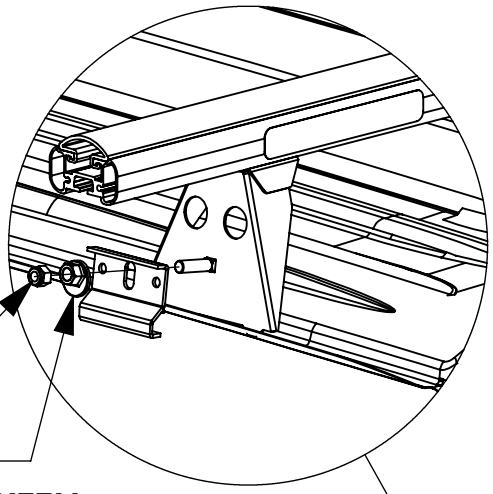
HD UTILITY: CENTER MOUNTING HOLES

GRIP-LOCK: CENTER MOUNTING HOLES



STEP 2 - INSTALL CROSSBOW ASSEMBLY ON VEHICLE ROOF

STEP 2.1
FULLY TIGHTEN
FAS0110, 07466-0, FAS0117
(2 PLACES PER CROSSBOW)
9/16" SOCKET
5/8" WRENCH

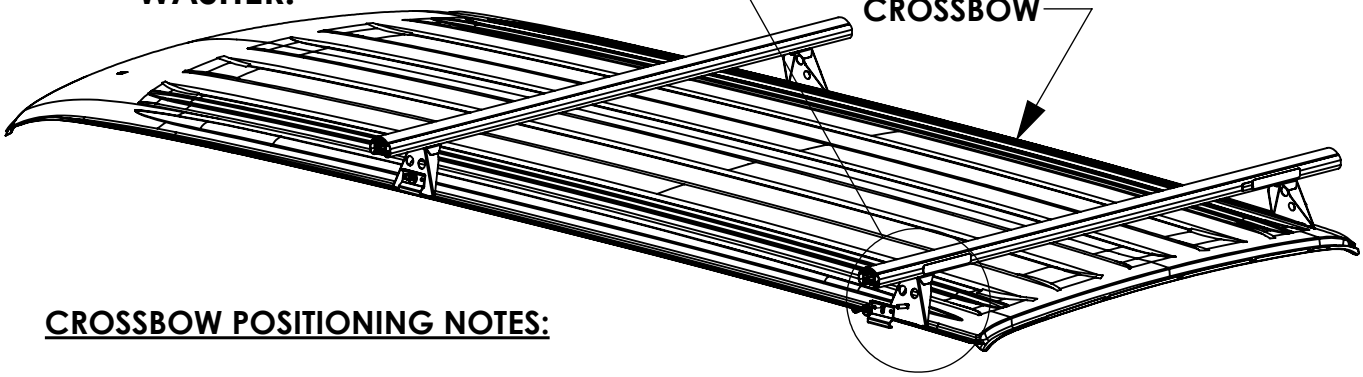


Step 2.1

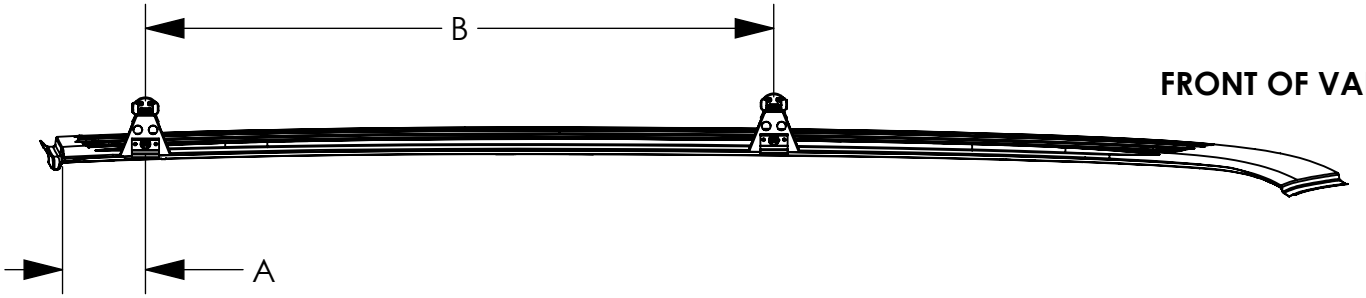
DO NOT OVERTIGHTEN ECCENTRIC WASHER!

IF INSTALLING A THIRD CROSSBOW:

USE SHORTER MOUNTING BRACKET (63905-W) FOR THE MIDDLE CROSSBOW



CROSSBOW POSITIONING NOTES:



FRONT OF VAN

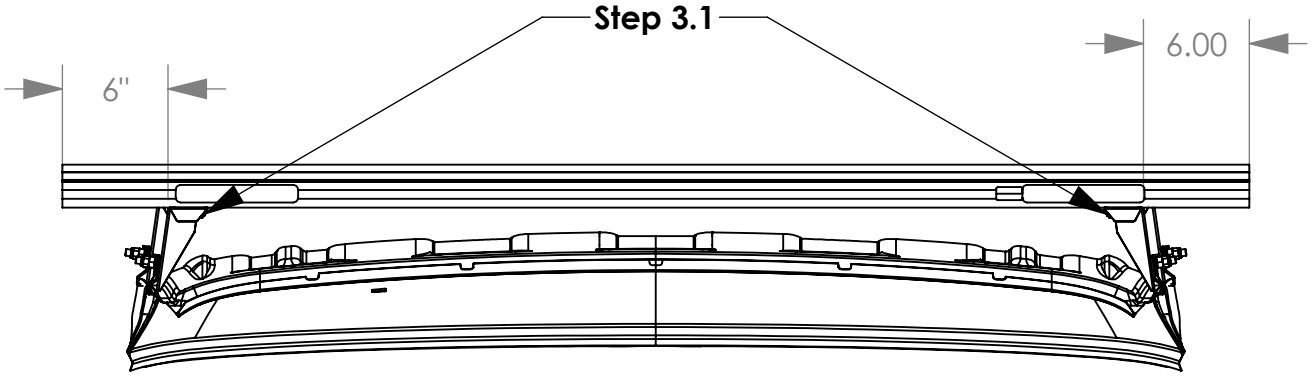
***** THESE DIMENSIONS ARE SUGGESTIONS, PLEASE SPACE CROSSBOWS TO BEST FIT END USER'S PRODUCT**

DIMENSION	A - REAR CROSSBOW	B - FRONT CROSSBOW
HD UTILITY RACK	9 1/2"	72" ***
HD UTILITY RACK W/ REAR ROLLER	20 5/8"	72" ***
GRIP-LOCK	9 1/2"	76 3/8"
ProLift	9 1/2"	76 3/8"

STEP 3 - SECURE CROSSBOW

STEP 3.1
CENTER CROSSBOW AND <u>FULLY TIGHTEN</u> BRACKETS FROM STEP 1.1 (4 PLACES PER CROSSBOW)
1/2" SOCKET

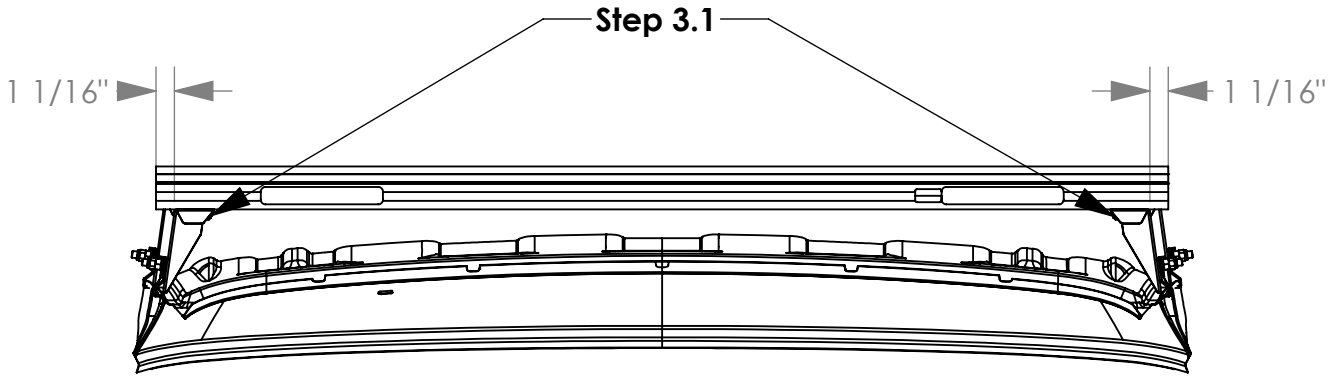
<u>HD UTILITY</u> - 68 INCH CROSSBOW



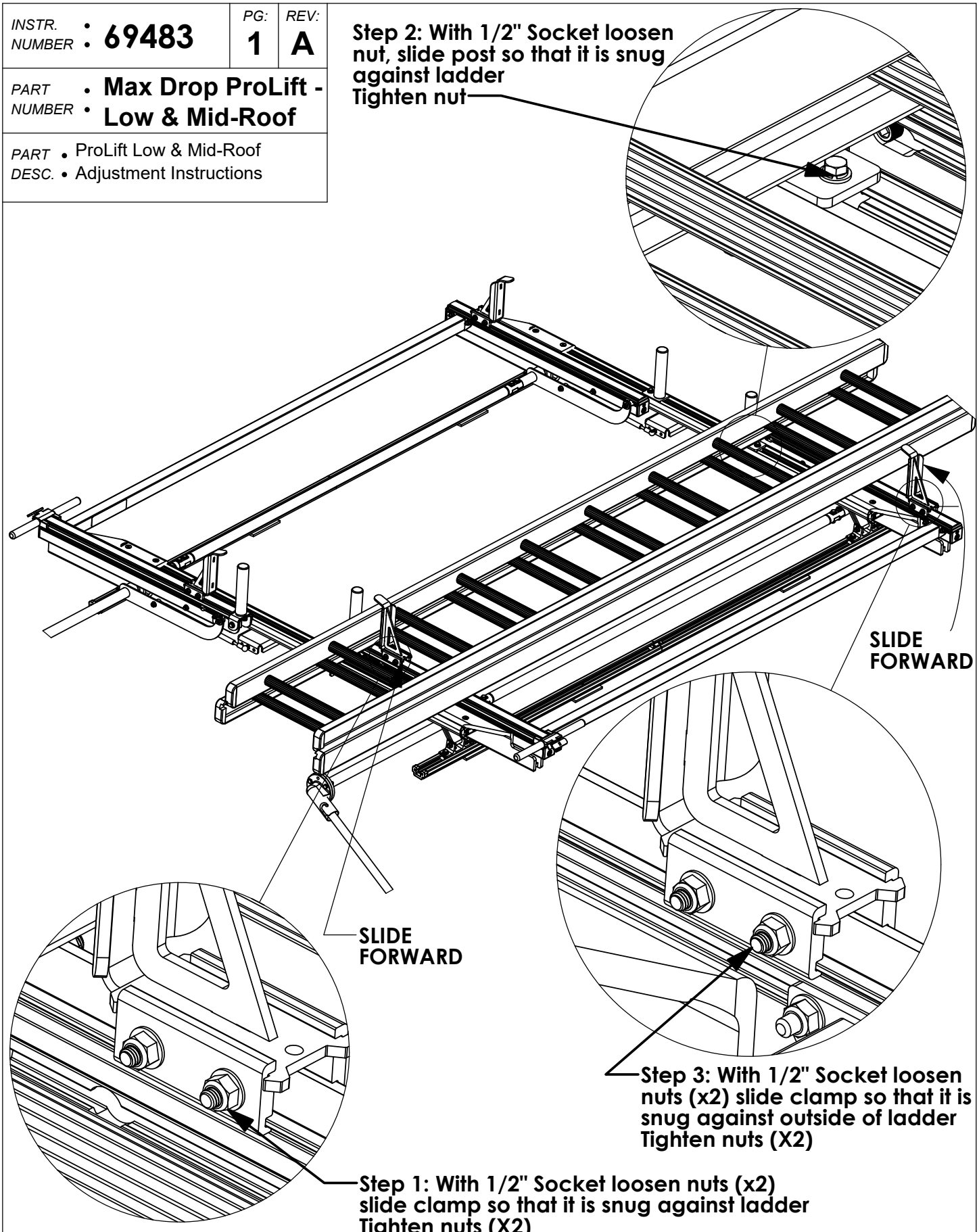
<u>MEASURE TO OUTSIDE EDGE OF MOUNTING BRACKET.</u>

<u>DISTANCES MAY CHANGE DUE TO LOCATION ON RAIL.</u>

Grip-Lock / ProLift - 58 INCH CROSSBOW



INSTR. NUMBER : 69483	PG: 1	REV: A
PART NUMBER • Max Drop ProLift - Low & Mid-Roof		
PART DESC. • ProLift Low & Mid-Roof • Adjustment Instructions		



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

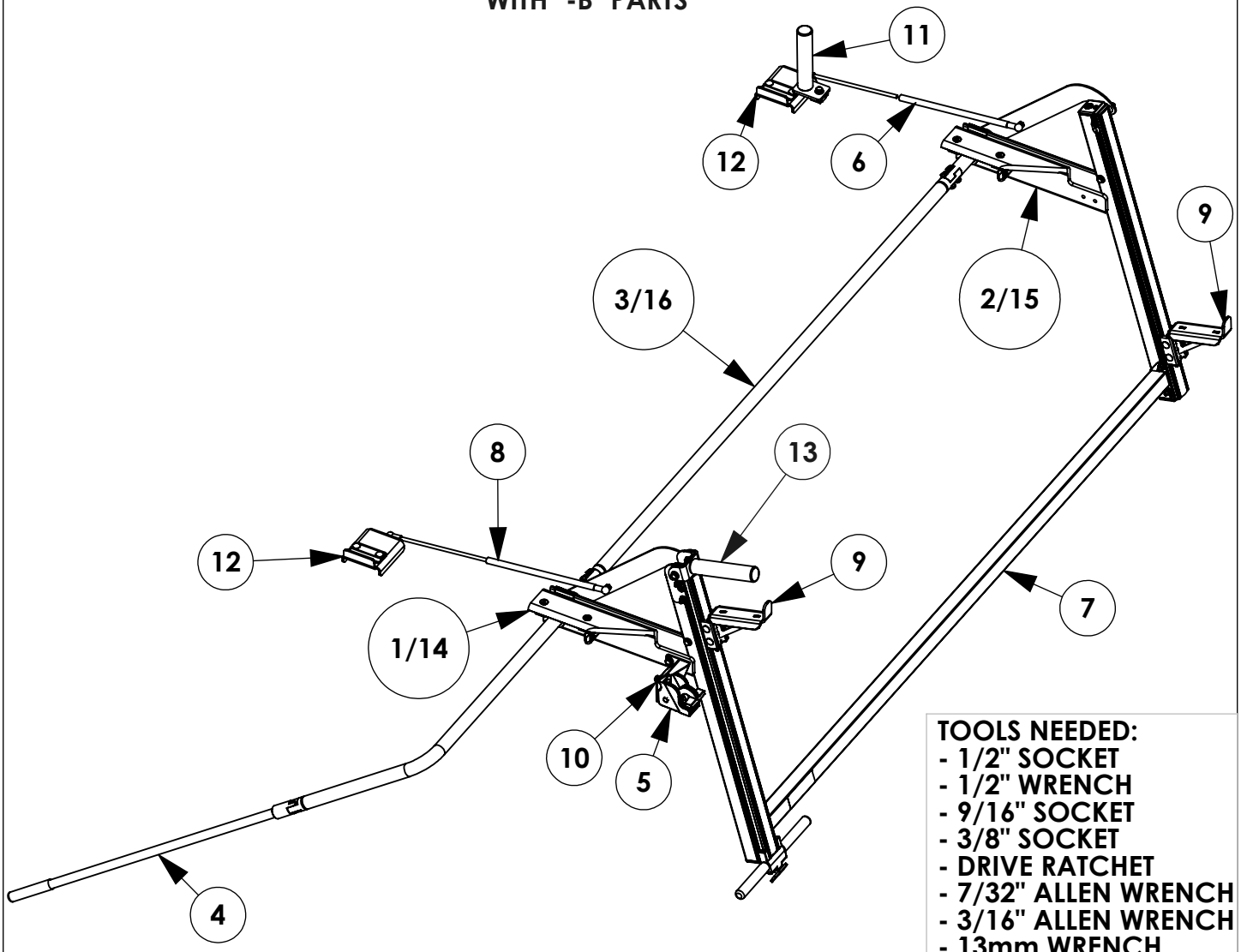
INSTR. NUMBER	PG:	REV:
68495	1	C

PART NUMBER: **PLMDPSL & PLMDDSL**

PART DESC.: PROLIFT,MAX,PS,LR & PROLIFT,MAX,DS,LR

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

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



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

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

BEST PRACTICES

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).

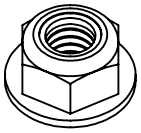
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

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

PAGE: **3**

FASTENERS AND HARDWARE USED

BAG REFERENCE: BAG68200 & BAG68201

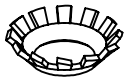


FAS0861
NUT,HEX NLK FLG 5/16-18
QTY: 20

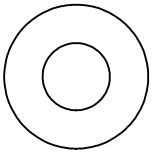
FAS0110
NUT,HEX NLK 3/8-16
QTY: 01

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

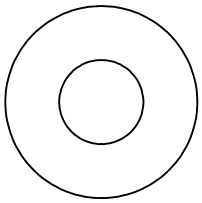
FAS0588
WASHER,LCK SPLIT 5/16
QTY: 03



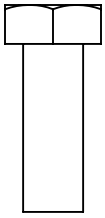
FAS0857
WASHER,LCK EXT CS 5/16
QTY: 04



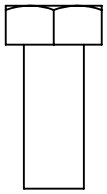
FAS0552
WASHER,FLAT USS 5/16
QTY: 09



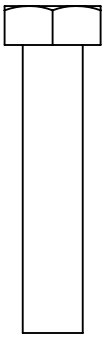
FAS0720
WASHER,FLAT USS 3/8
QTY: 01



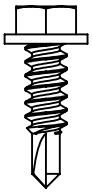
FAS0283
SCREW,HH 5/16-18X.875
QTY: 03



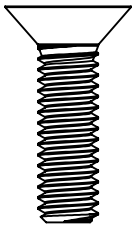
FAS0799
SCREW,HH 5/16-18X.75
QTY: 02



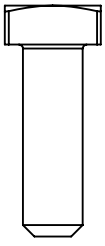
FAS0242
SCREW,HH 5/16-18X1.5
QTY: 04



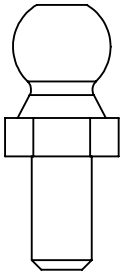
FAS0473
SCREW,HH TEK #12X.75
QTY: 04



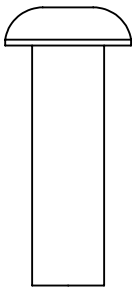
FAS0856
SCREW,FHH 5/16-18X1.13
QTY: 04



FAS0035
BOLT,SQ HD 5/16-18X1.0
QTY: 04



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

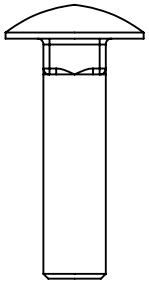


FAS0701
SCREW,BHCS 3/8-16X1.25
QTY: 01

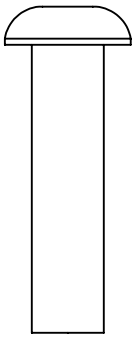
INTENTIONALLY LEFT BLANK

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

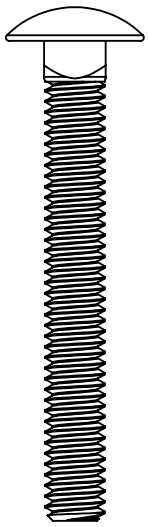
FASTENERS AND HARDWARE USED



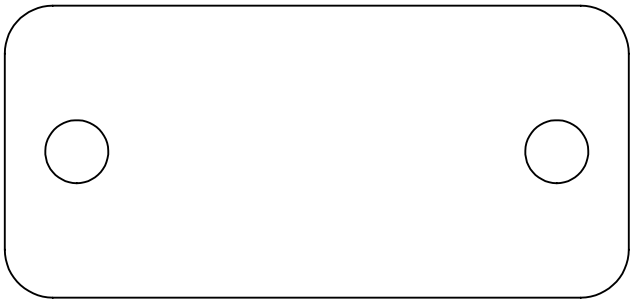
FAS0812
BOLT,CRG 5/16-18X1.25
QTY: 04



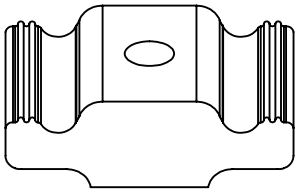
FAS0819
SCREW,BHCS 3/8-16X1.5
QTY: 01



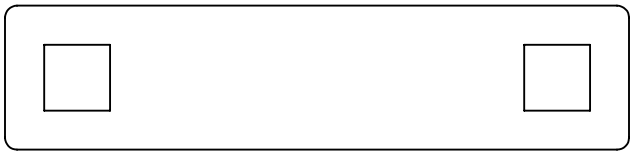
FAS0838
BOLT,CRG 5/16-18X2.5
QTY: 04



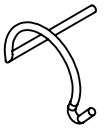
64831
REAR ROLLER, SPACER
QTY: 02



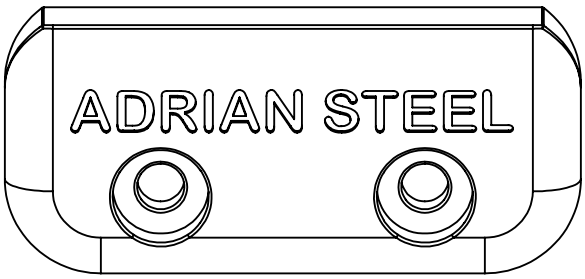
63490
RAIL SLIDE, 1"
QTY: 05



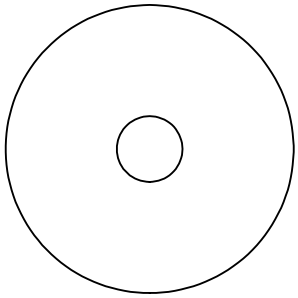
64830
REAR ROLLER, BOLT PLATE
QTY: 02



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



65961
DROP DOWN END CAP
QTY: 02



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

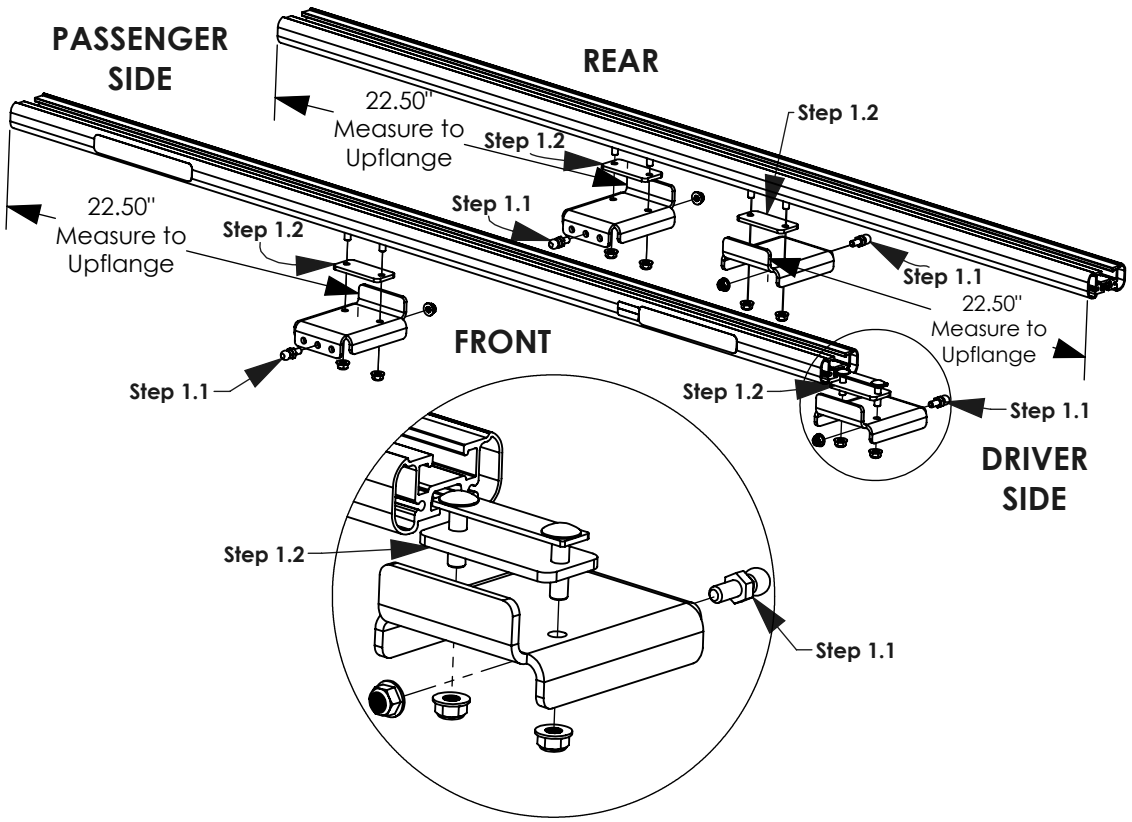
INTENTIONALLY LEFT BLANK

STEP 1 - MOUNT DAMPER BRACKETS

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

A.2

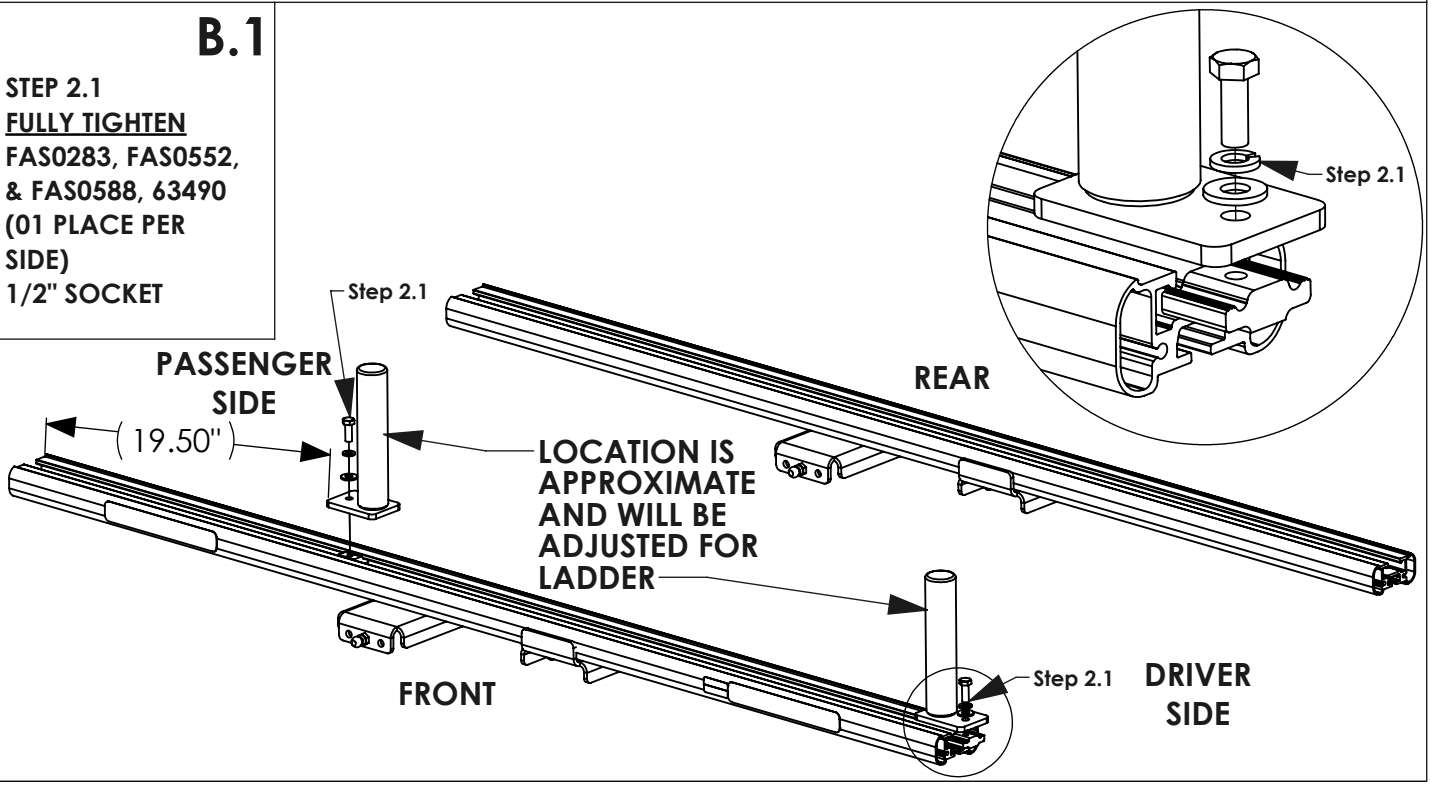
STEP 1.2
FULLY TIGHTEN
(02) FAS0812, 64830, 64831, &
(02) FAS0861
(02 PLACES PER SIDE)
1/2" SOCKET



STEP 2 - MOUNT INNER STOPS TO FRONT CROSSBOW

B.1

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



STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

REAR SUB-ASSEMBLY

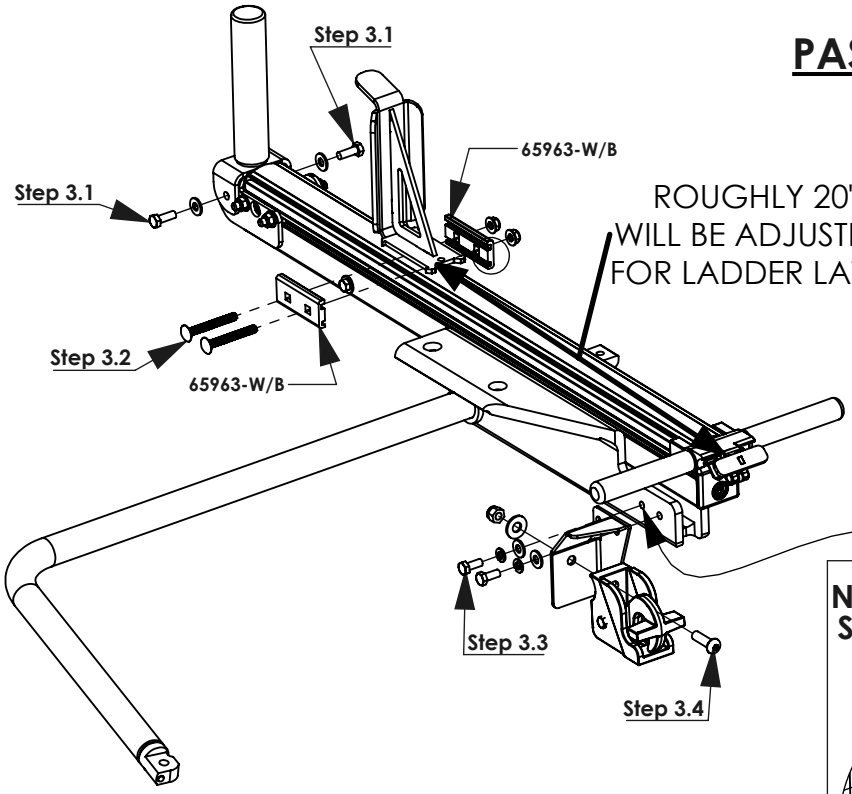
STEP 3.1
FULLY TIGHTEN
FAS0283, FAS0552, & FAS0861
(02 PLACES)
1/2" WRENCH
1/2" SOCKET

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

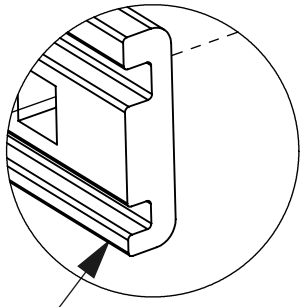
STEP 3.3
FULLY TIGHTEN
FAS0799, FAS0552, & FAS0588
(02 PLACES)
1/2" SOCKET

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

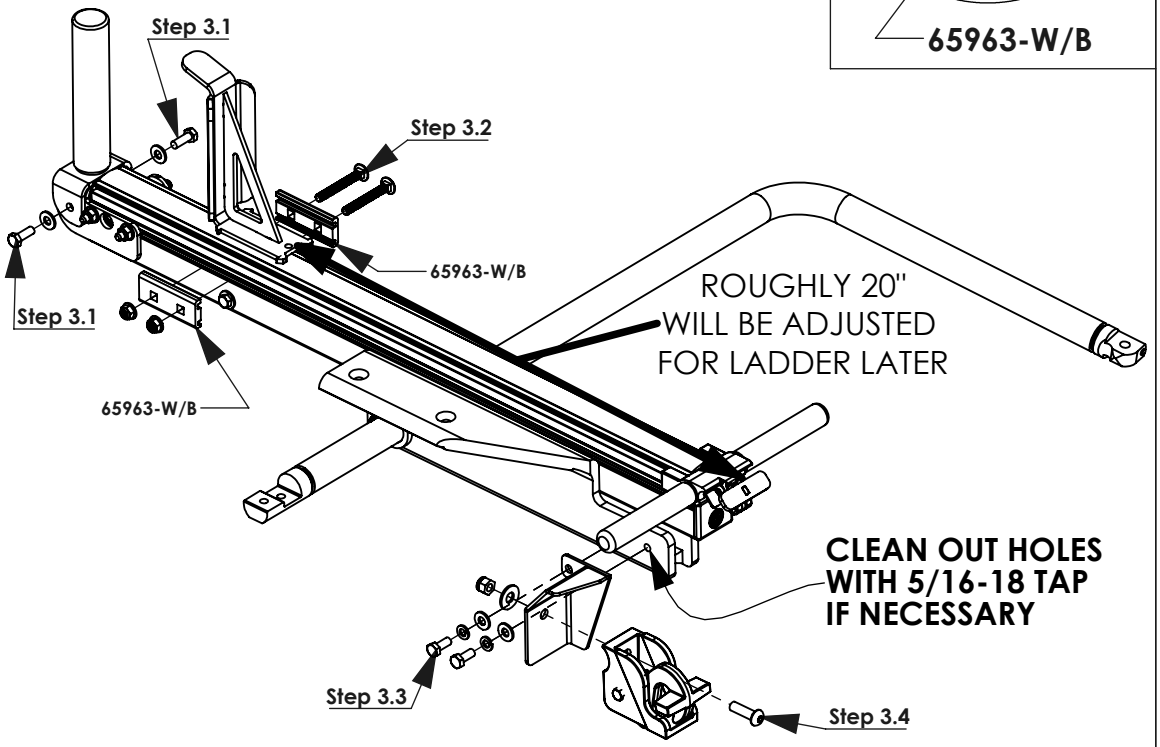
PASSENGER SIDE
68029-W/B



NOTE ORIENTATION: SMALLER CHANNEL ON BOTTOM



DRIVER SIDE
68012-W/B



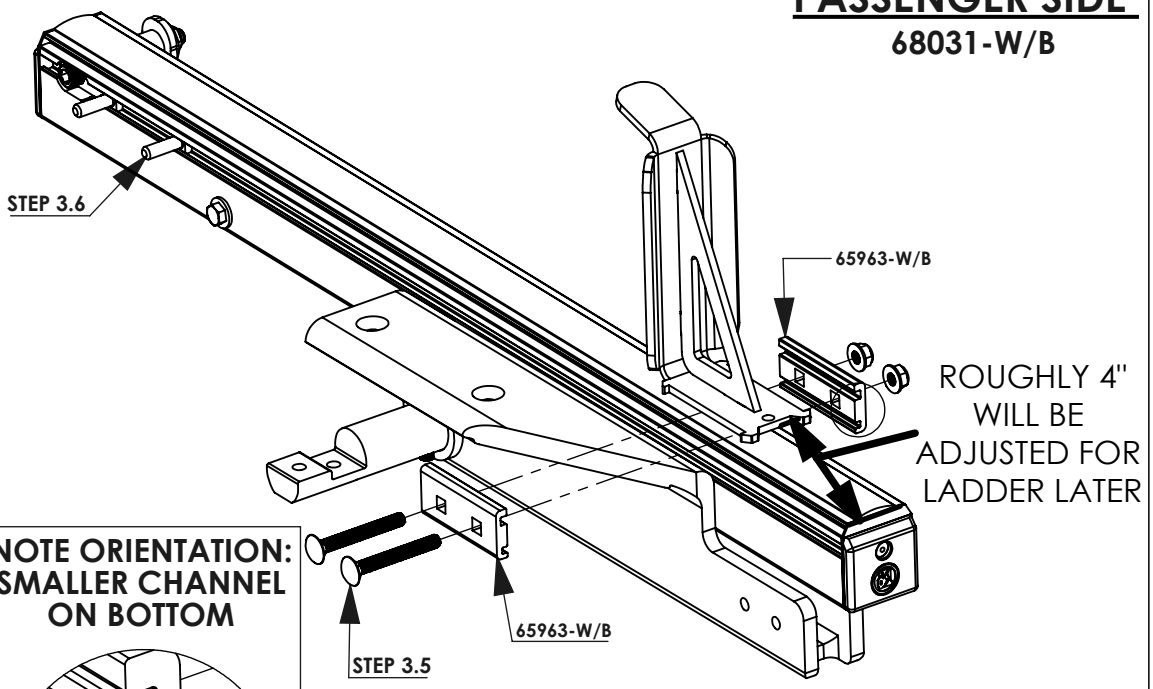
STEP 3 CONTINUED

FRONT SUB-ASSEMBLY

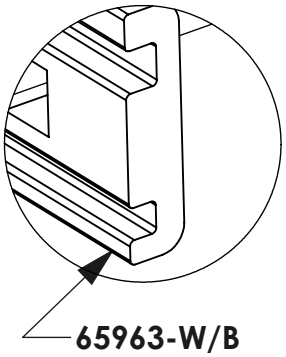
PASSENGER SIDE

68031-W/B

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



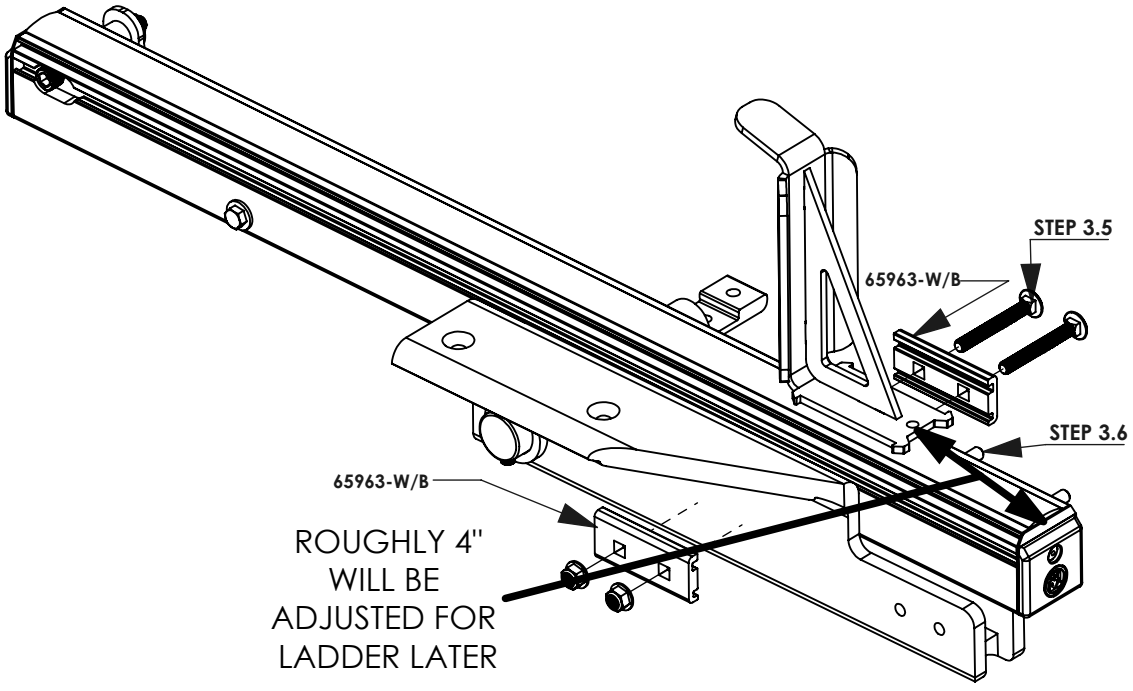
NOTE ORIENTATION: SMALLER CHANNEL ON BOTTOM



DRIVER SIDE

68013-W/B

STEP 3.6
FAS0035
SLIDE INTO SLOT
(02 PLACES)



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

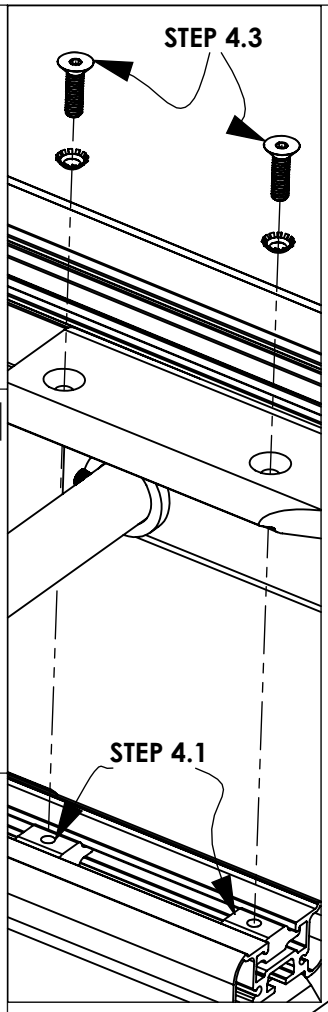
STEP 4 - INSTALL CARTRIDGES ON CROSSBOWS

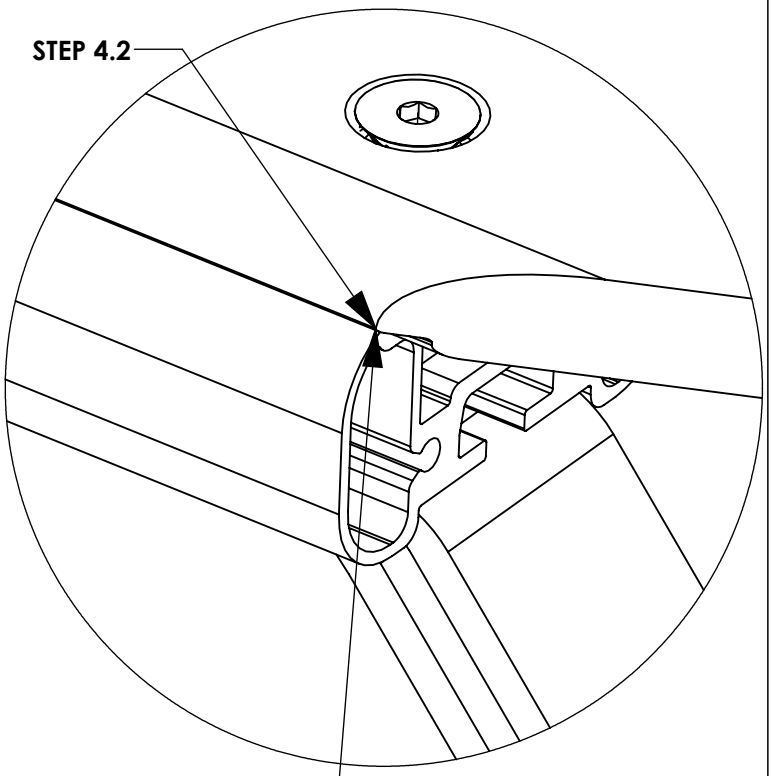
STEP 4.1
SLIDE 63490 INTO END OF CROSSBOWS

C.1

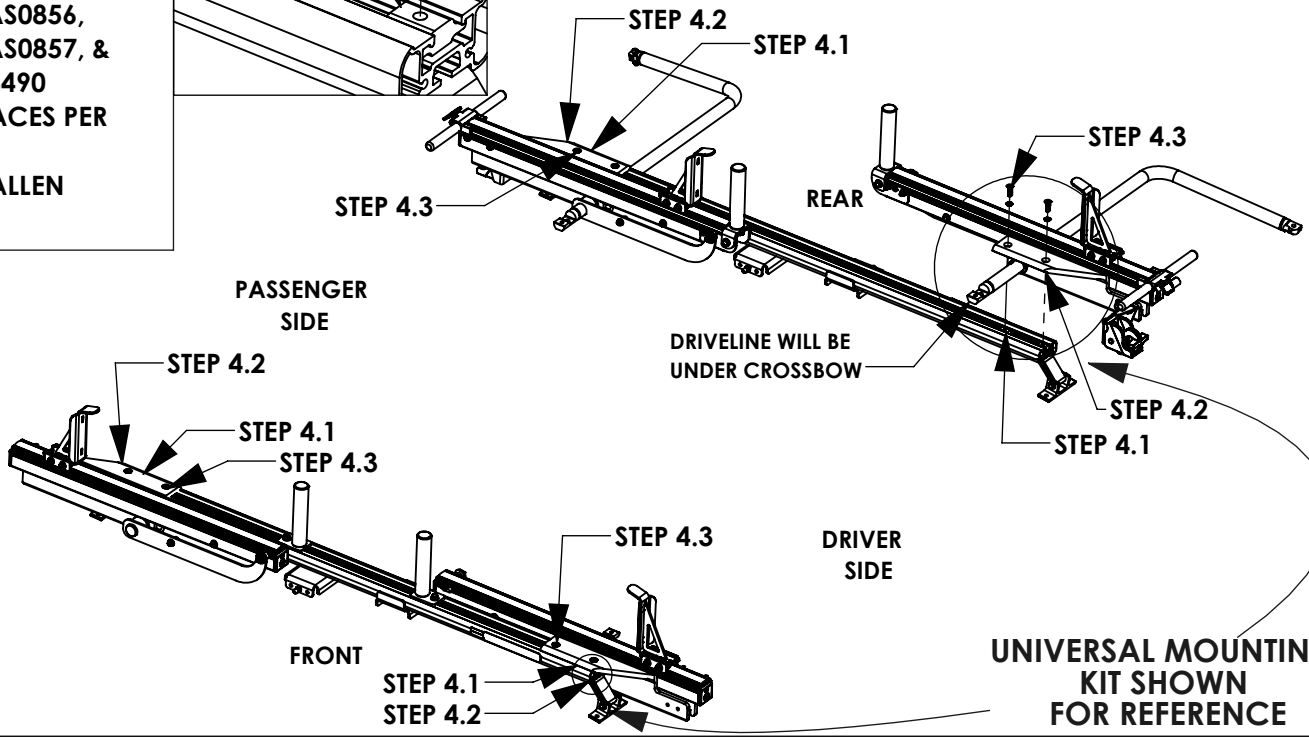
STEP 4.2
LINE UP CORNERS WITH END OF CROSSBOW

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





LINE UP CORNERS!!

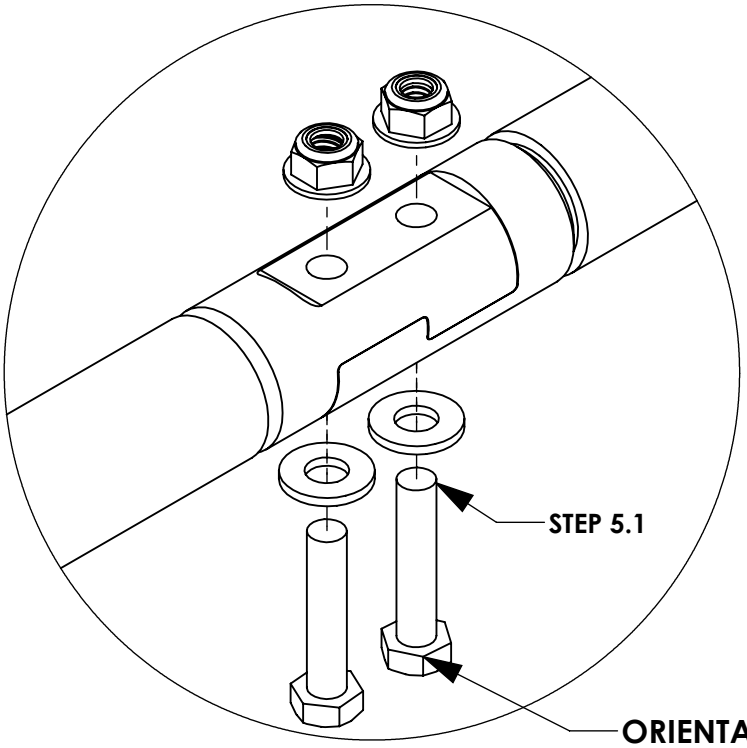


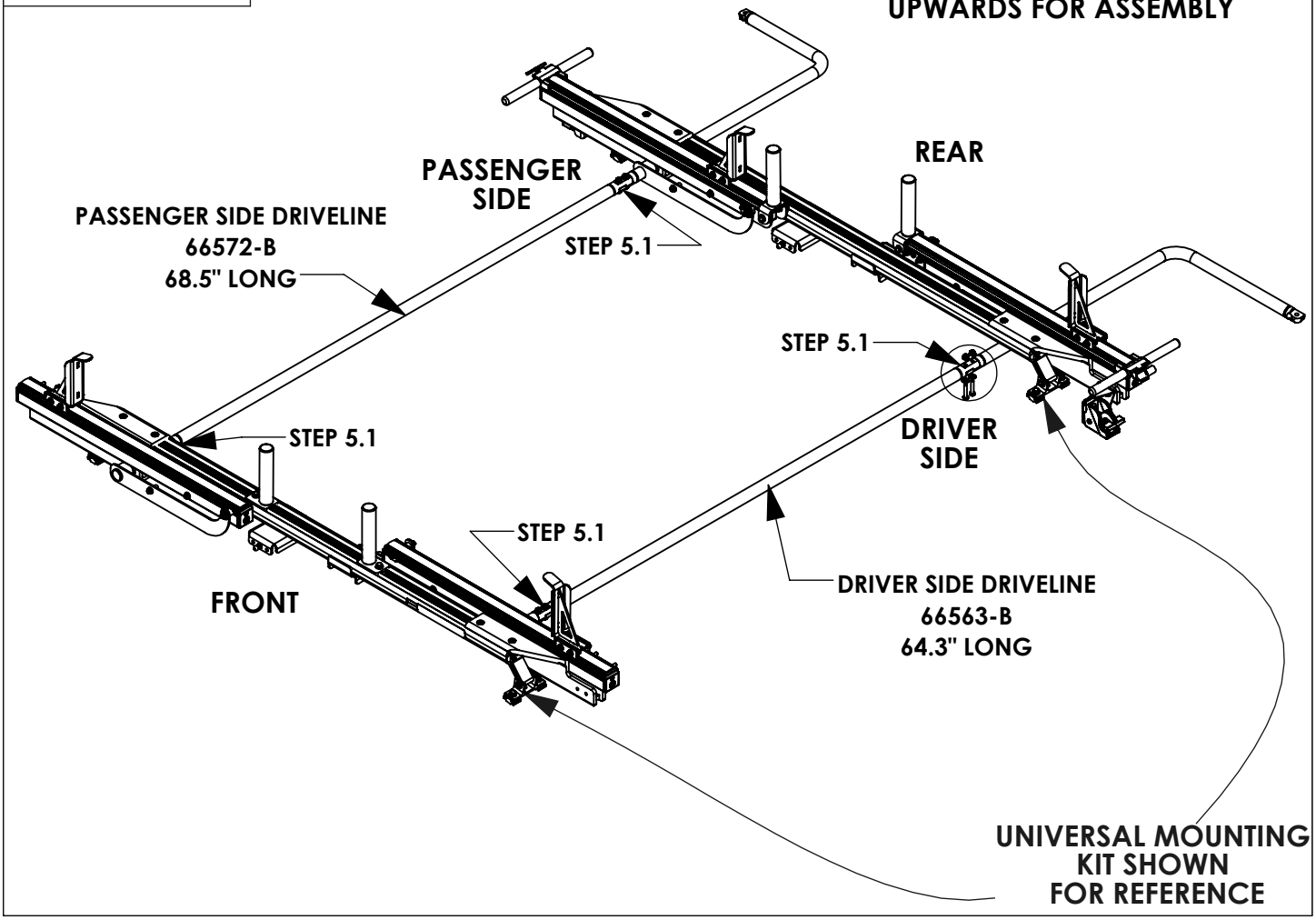
UNIVERSAL MOUNTING KIT SHOWN FOR REFERENCE

STEP 5 - INSTALL DRIVELINE

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

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



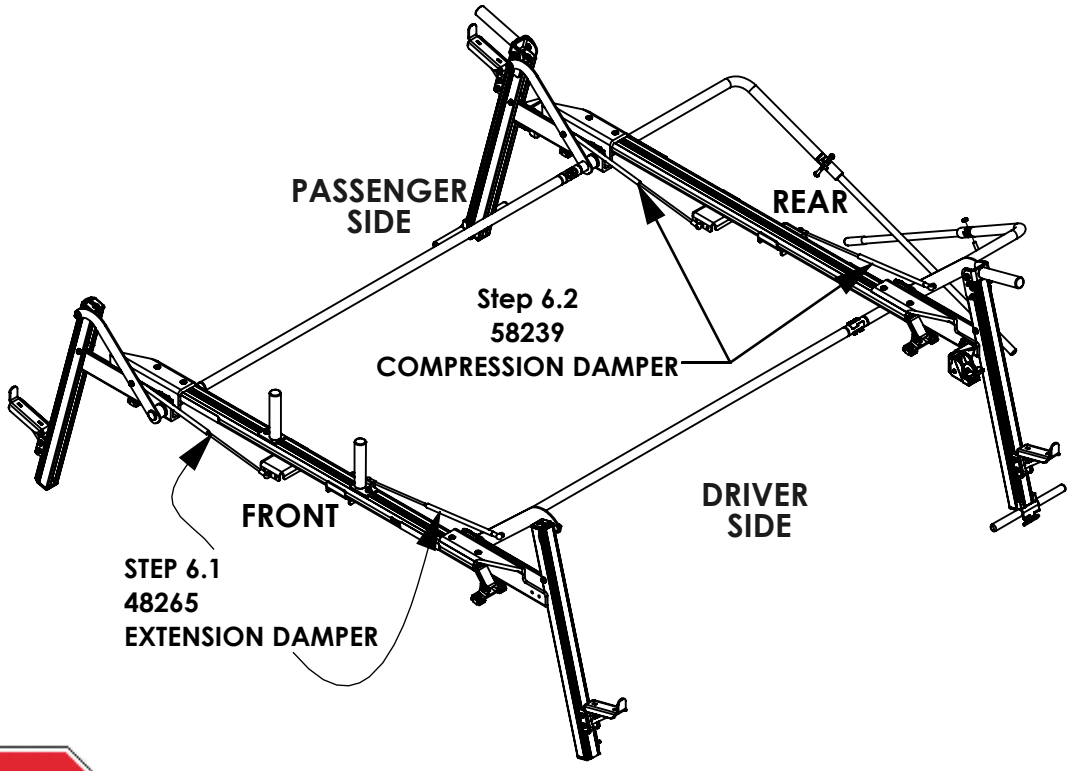


STEP 6 - DEPLOY RACK & INSTALL DAMPERS AND DROP DOWN HANDLE

Step 6.1
ATTACH EXTENSION DAMPERS (48625) TO BALL STUDS.
ORIENTATION OF DAMPER MATTERS!!!
(01 PLACE PER SIDE)

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

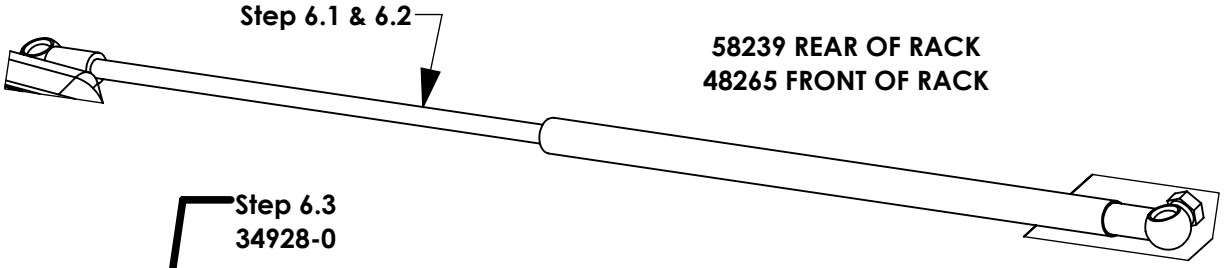
Step 6.3
INSERT LOCKING PINS (34928-0) AFTER MOUNTING DAMPERS TO BALL STUDS
(04 PLACES PER SIDE)

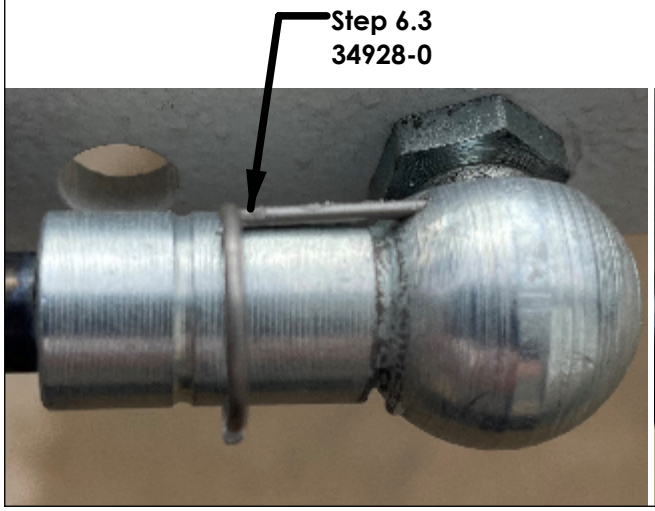


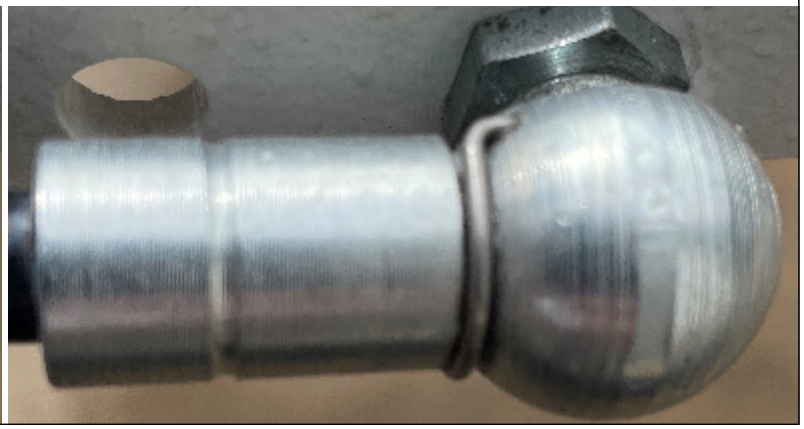
ORIENTATION OF DAMPER MATTERS!!!!!

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

58239 REAR OF RACK
48265 FRONT OF RACK

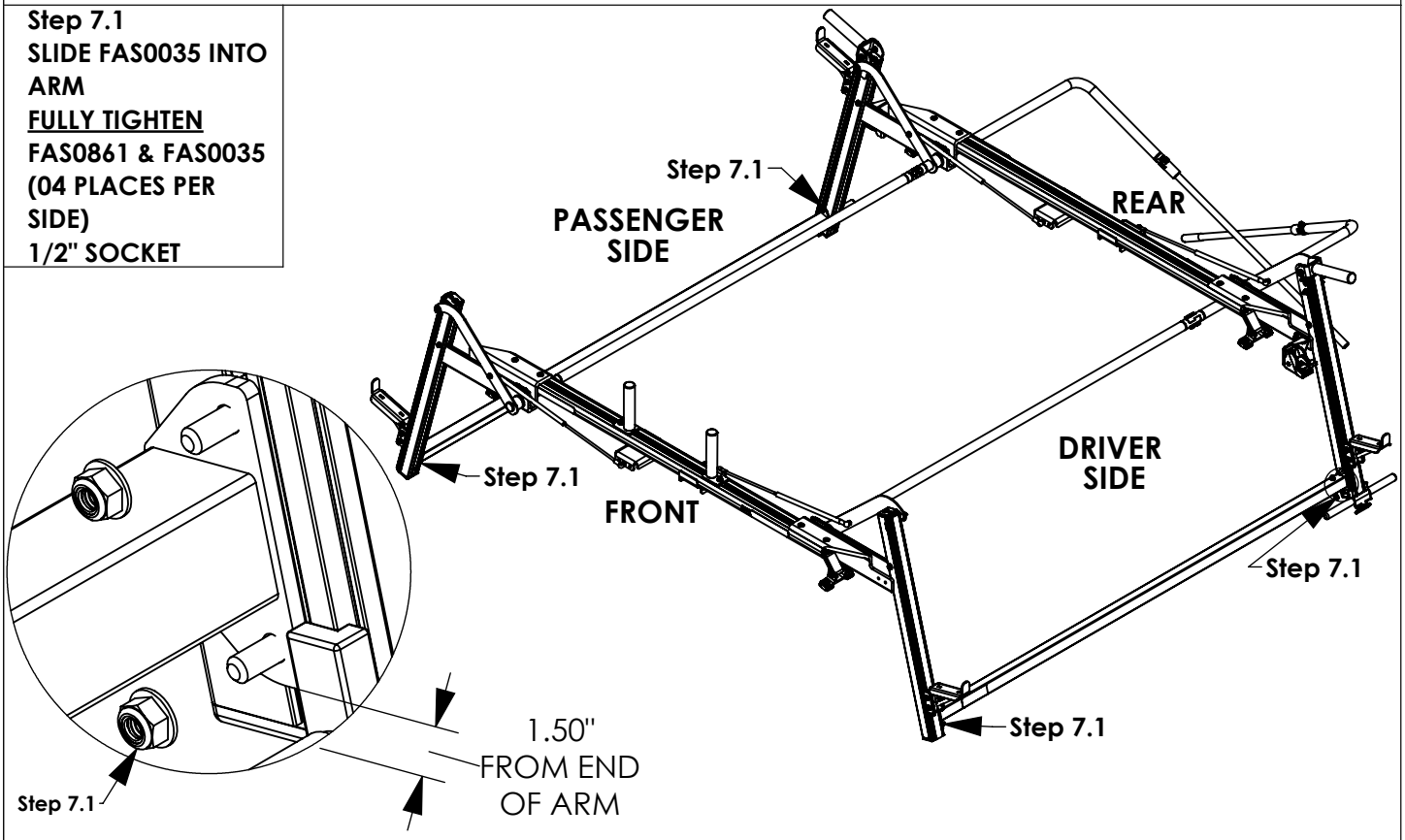






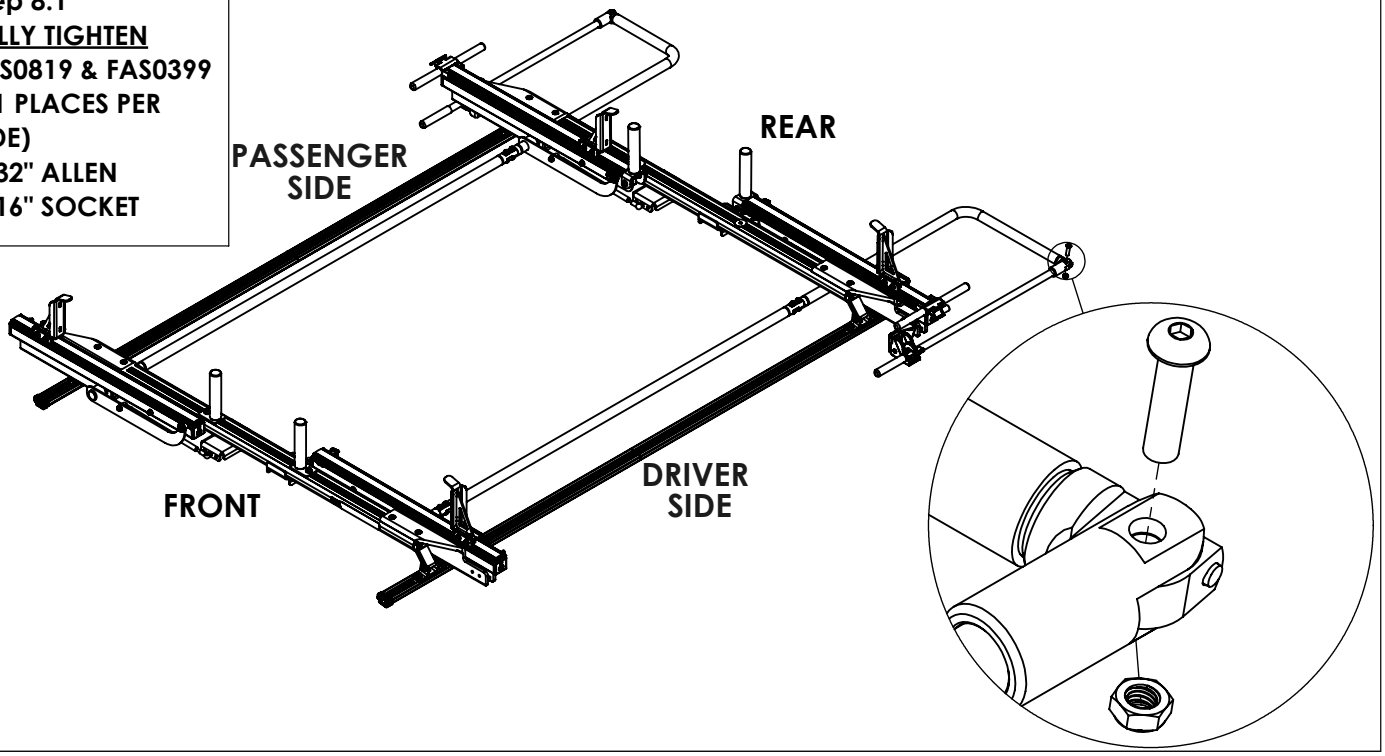
STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

Step 7.1
SLIDE FAS0035 INTO ARM
<u>FULLY TIGHTEN</u>
FAS0861 & FAS0035 (04 PLACES PER SIDE)
1/2" SOCKET



STEP 8 - INSTALL DROP DOWN HANDLE

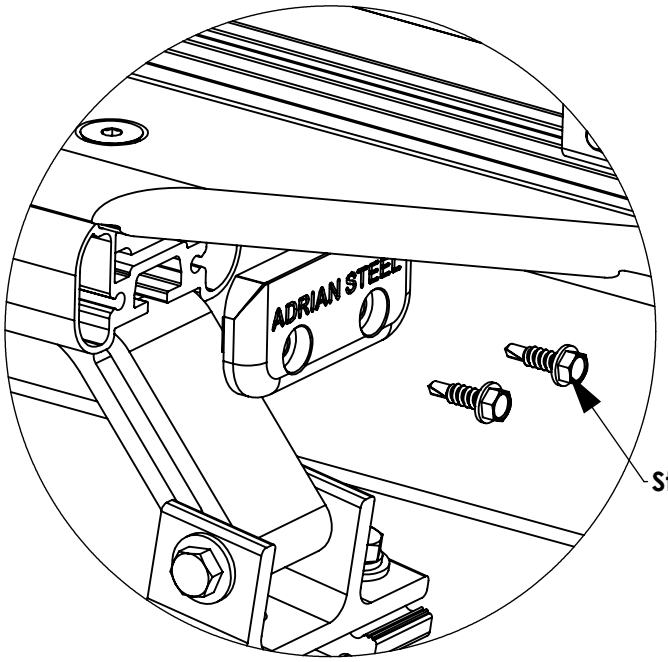
Step 8.1
<u>FULLY TIGHTEN</u>
FAS0819 & FAS0399 (01 PLACES PER SIDE)
7/32" ALLEN
9/16" SOCKET

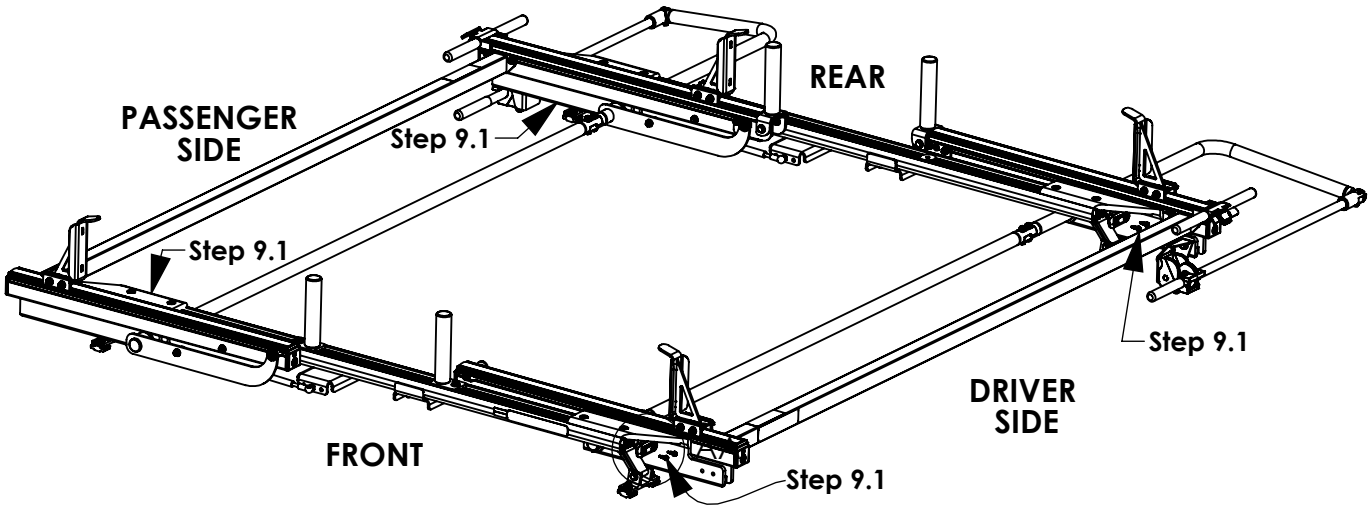


MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE

STEP 9 - INSTALL CROSSBOW END CAPS

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





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

2-Crossbar Kit, 58”, White, Minivan

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.

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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!

TOP OF CROSSBOW ***IMAGE NOT TO SCALE!***

BOTTOM OF CROSSBOW

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!

TOP OF CROSSBOW

IMAGE NOT TO SCALE!

BOTTOM OF CROSSBOW

TABLE 2

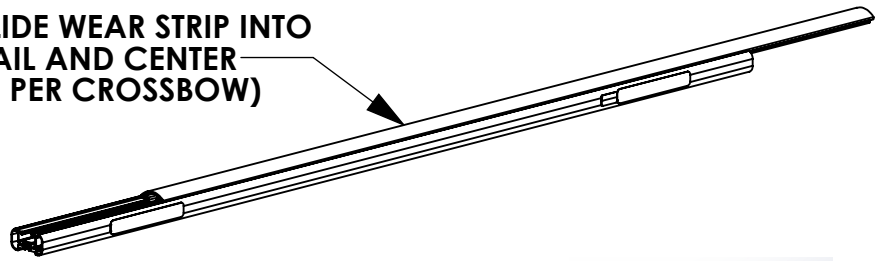
	TOP OF CROSSBOW	
	COMPONENTS TO INSTALL	
B.1	HD UTILITY	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	Grip-Lock	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	ProLift	- INNER STOP POST
	BOTTOM OF CROSSBOW	
	COMPONENTS TO INSTALL	
B.2	HD UTILITY	- MOUNTING BRACKETS
	Grip-Lock	- MOUNTING BRACKETS
	ProLift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

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

TOP OF CROSSBOW

IMAGE NOT TO SCALE!

BOTTOM OF CROSSBOW

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)

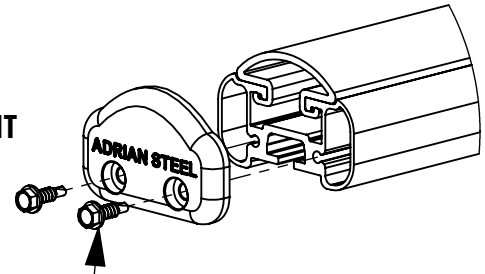
4T. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)

5T. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)

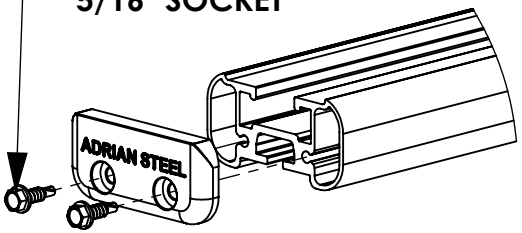
6T. ASSEMBLE ENDS CAPS TO CROSSBOW

USED FOR HD UTILITY & Grip-Lock RACKS

LOCATED IN CROSSBOW KIT



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)

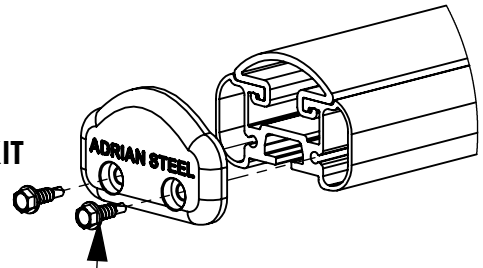
6R. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)

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

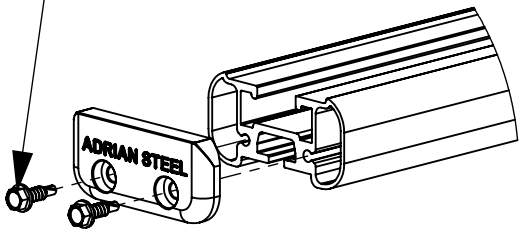
8R. ASSEMBLE END CAPS TO CROSSBOW

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