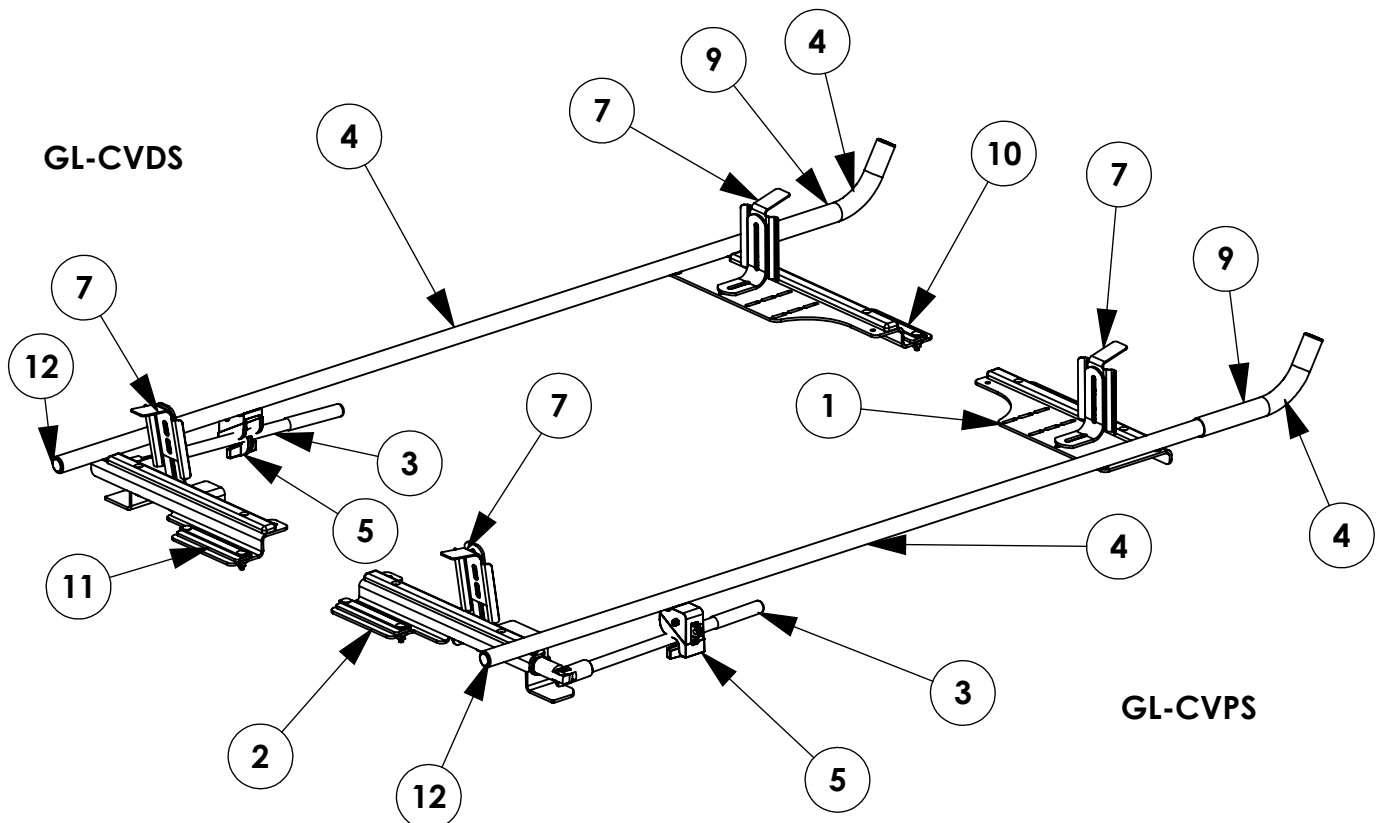


INSTR. NUMBER : 68554 PART NUMBER : GL-CVDS & GL-CVPS PART • GRIP LOCK, COMPACT VAN, DS DESC. • GRIP LOCK, COMPACT VAN, PS	PG:	REV:	ITEM NO.	PART NUMBER	DESCRIPTION	GL-CVDS	GL-CVPS
	1	B	1	66359	GRIP LOCK FRONT BRACE ASSM CS	1	-
			2	66360	GRIP LOCK REAR BRACE ASSM CS	1	-
NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS: -GL-CVDS -GL-CVPS -GL-CVDSB -GL-CVPSB THESE INTRUCTIONS CAN BE USED FOR A SINGLE OR DOUBLE GRIP LOCK ON VARIOUS LOW ROOF VEHICLES			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 VARIENTS
 - FOR THEIR IDENTIFICATION, ADD THE "-B" SUFFIX TO THE END OF THE PART NUMBER



GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

SEAL ALL EXTERIOR HOLES - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

CONTROL DRILL DEPTH - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

ALWAYS ADD PRIMER - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

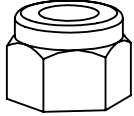
MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

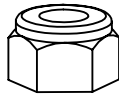
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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

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

FASTENERS USED**QUANTITIES 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



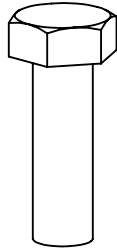
FAS0399
3/8-16 SS
NYL NUT
QTY: 1



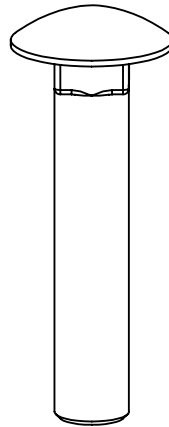
FAS0552
5/16 SS
FLAT WASHER
QTY: 16



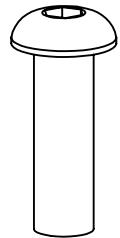
FAS0588
5/16 SS
SPLIT WASHER
QTY: 4



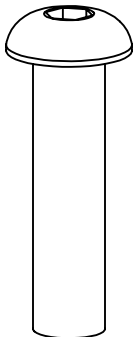
FAS0597
5/16-18 X 1.0 SS
HH SCREW
QTY: 2



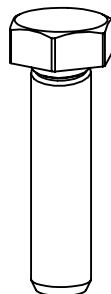
FAS0721
3/8-16 X 2.0 SS
CRG BOLT
QTY: 1



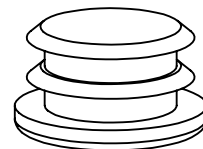
FAS0813
5/16-18 X 1.0 SS
BHC SCREW
QTY: 4



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



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



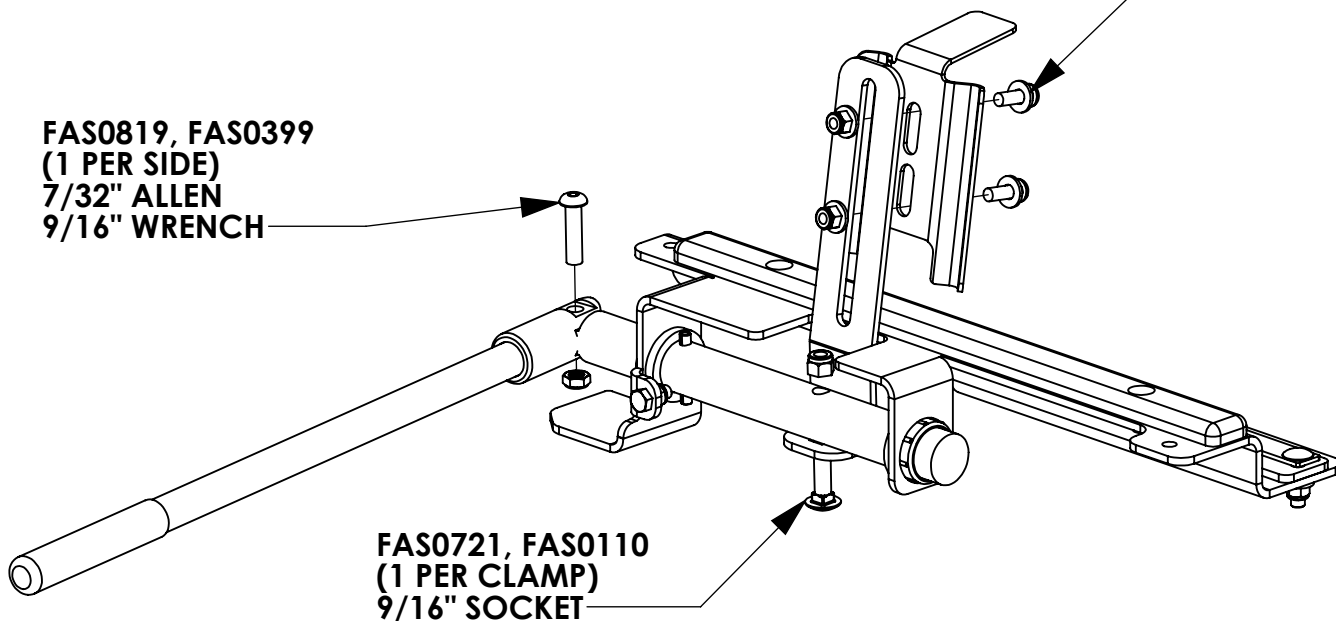
51363
1" RND BLK
CAP PLUG
QTY: 1

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

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

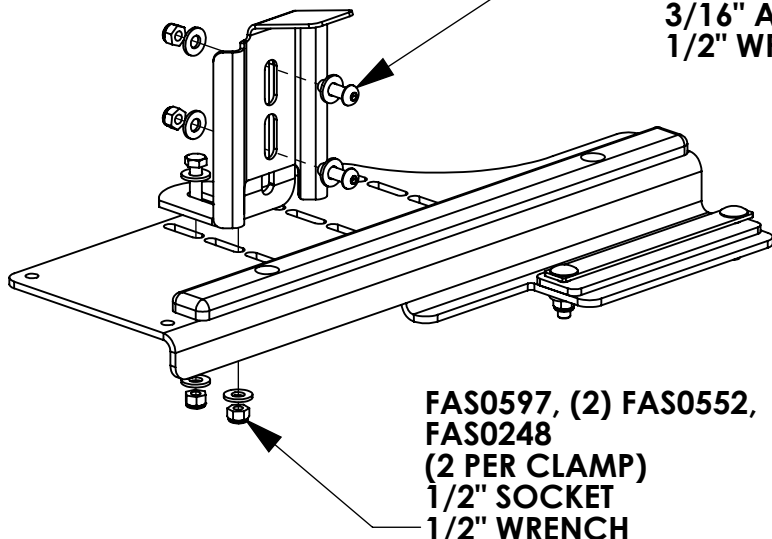
FAS0819, FAS0399
(1 PER SIDE)
7/32" ALLEN
9/16" WRENCH

FAS0721, FAS0110
(1 PER CLAMP)
9/16" SOCKET

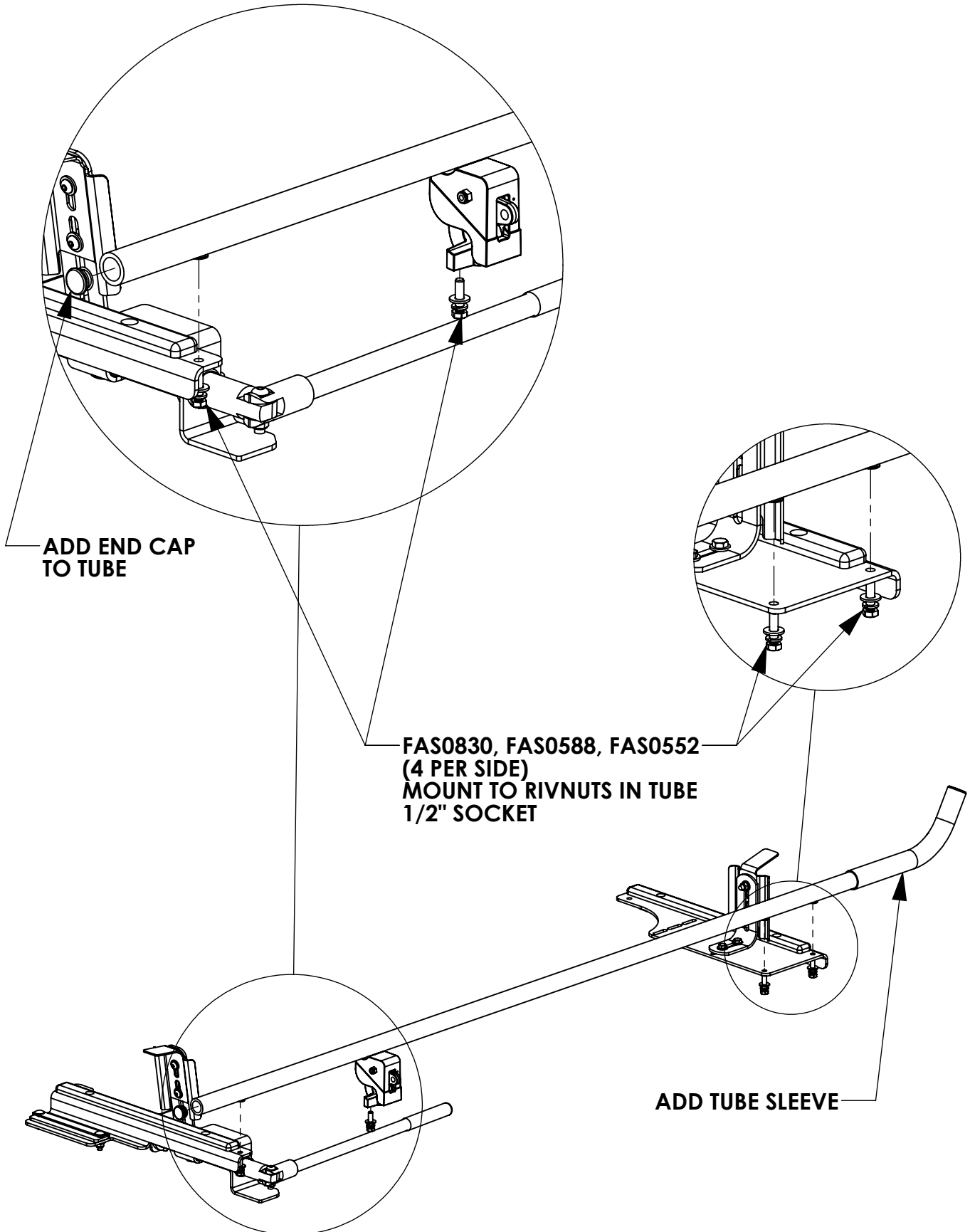
**STEP 2 - ASSEMBLE FRONT STOP**

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

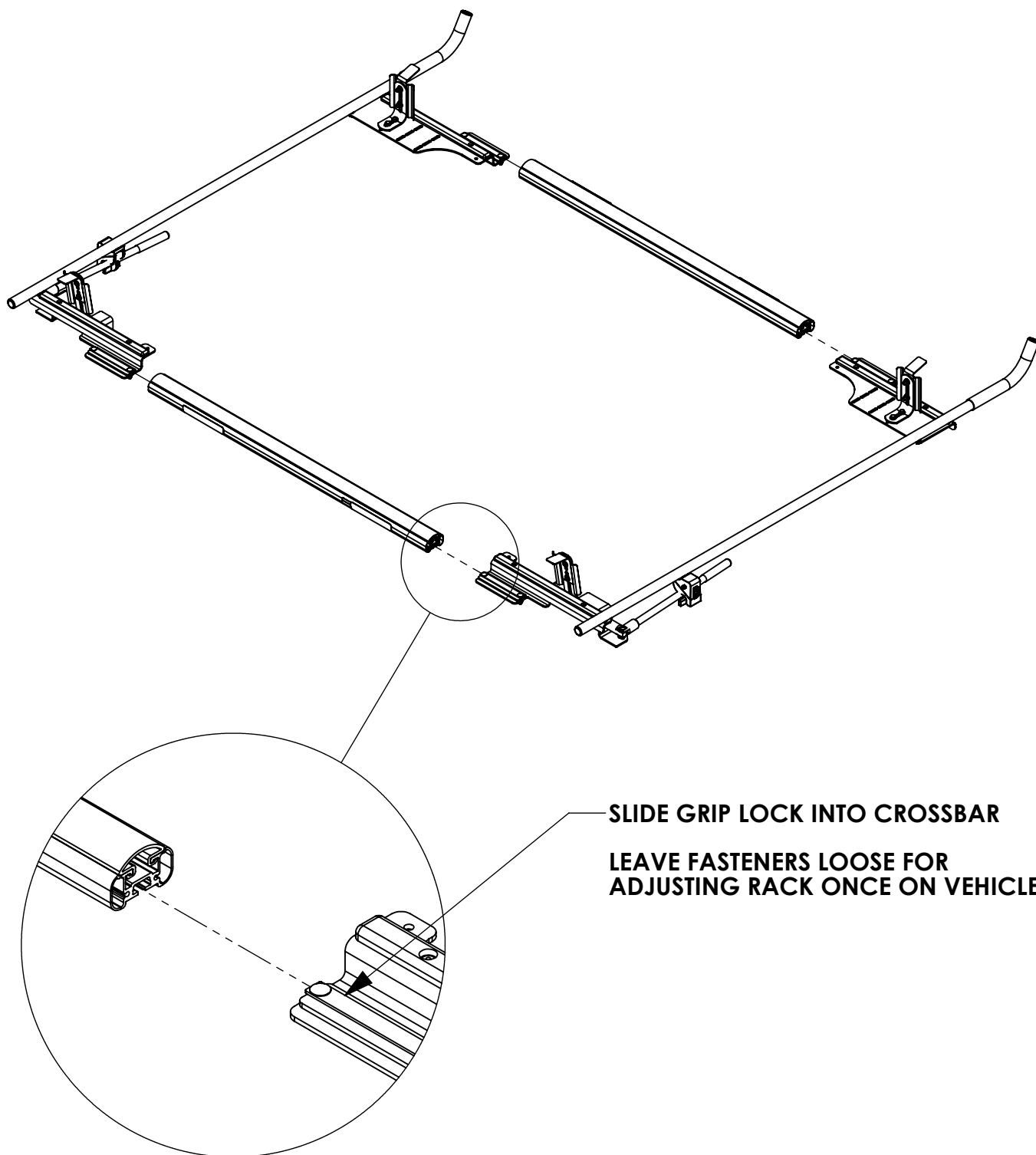
FAS0597, (2) FAS0552,
FAS0248
(2 PER CLAMP)
1/2" SOCKET
1/2" WRENCH



STEP 3 - ASSEMBLE OUTER TUBE

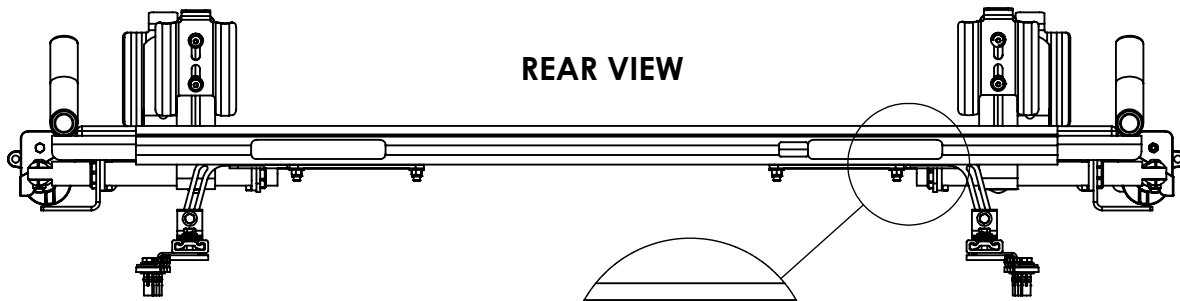


STEP 4 - INSTALL ON CROSSBOW

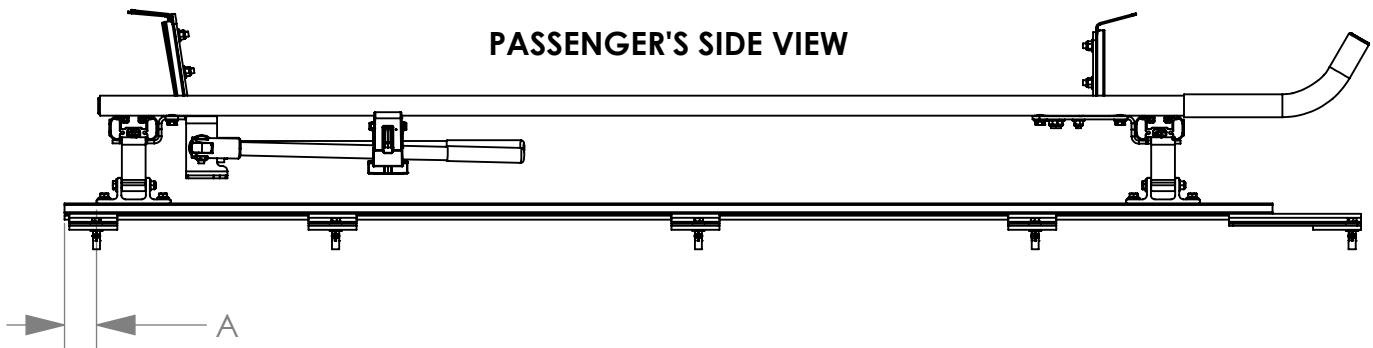


STEP 5 - MOUNTING DIMENSIONS GUIDE

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

**REAR VIEW**

NOTE: SLIDE THE GRIP LOCK CARTRIDGE OUT, UNTIL IT TOUCHES THE MOUNTING BRACKET.

**PASSENGER'S SIDE VIEW**

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	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
			1	68202-W	PROFILE, MOUNTING ARM, W	4
PART NUMBER : CRMBK4W			2	63852-W	UTILITY, MOUNTING BRKT, W	4
			3*	63915-W	UTILITY, CROSSBOW, 58", WHITE	2
PART DESC. : COMPCT,MNT BKT KT,RAIL,4W			4*	63914	UTILITY, WEAR STRIP, 58"	2
			5*	63851	UTILITY RCK,END CAP,BLACK	4
ITEMS NOTED (#*) ARE						

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

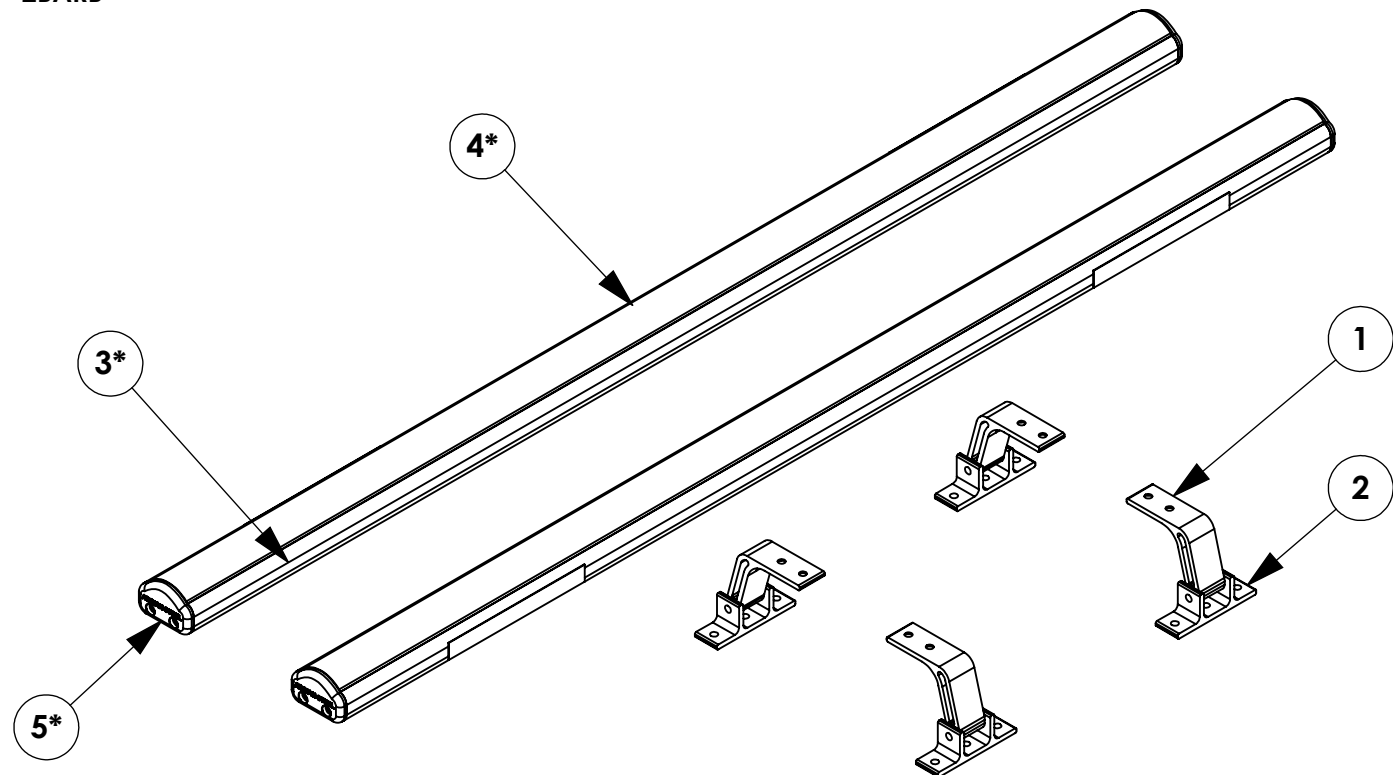
**NOTE: THIS INSTRUCTION IS VALID
FOR THE FOLLOWING KITS:**

MOUNTING KITS

- URMBK4W (SHOWN)
- URMBK4B
- URMBK2W
- URMBK2B

CROSSBOW KITS

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



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ALWAYS ADD PRIMER - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

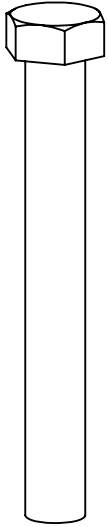
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PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

FASTENERS USED

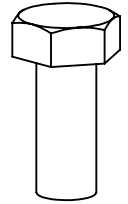
FAS0243
5/16-18 X 2.5 SS
HH SCREW
QTY: 4



FAS0552
5/16 SS
FLAT WASHER
QTY: 12



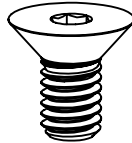
FAS0588
5/16 SS
SPLIT WASHER
QTY: 8



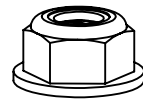
FAS0799
5/16-18 X .75 SS
HH SCREW
QTY: 8



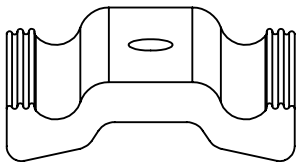
FAS0857
5/16 SS
CS EXT LCK WASHER
QTY: 8



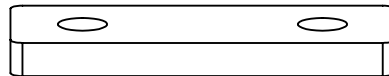
FAS0858
5/16-18 X .625 SS
FHH CS SCREW
QTY: 8



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



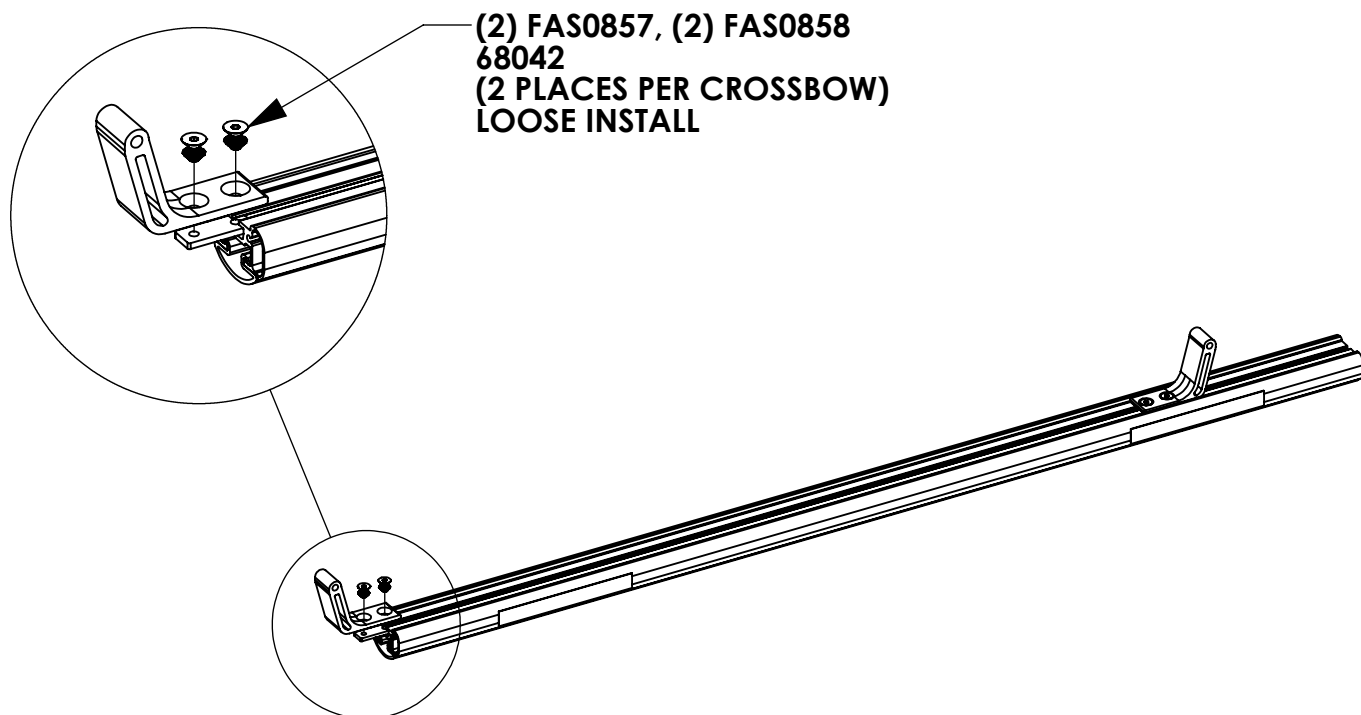
35335-0
1.5" AD RAIL
QTY: 8



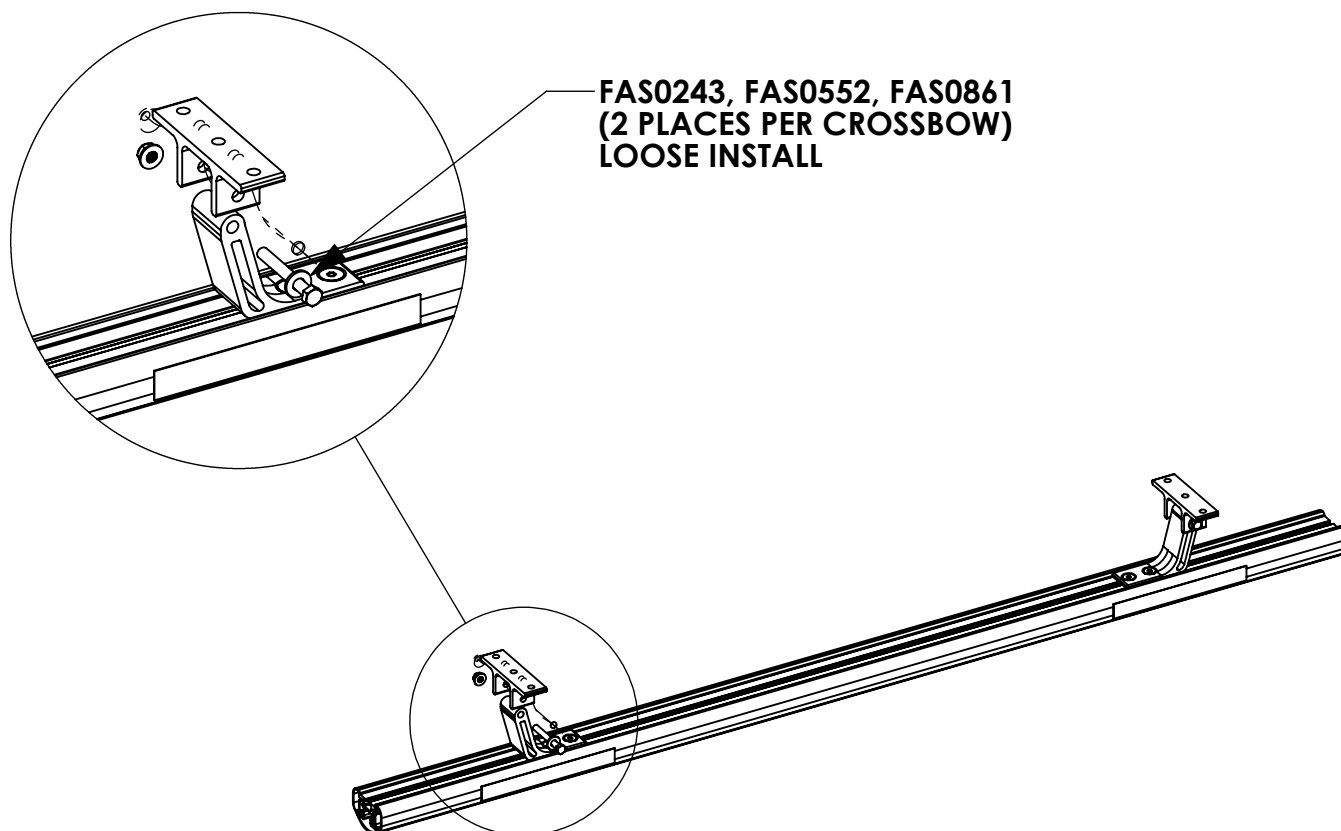
68042
PROFILE FOOT MTG PLATE
QTY: 4

BEGIN ASSEMBLY

STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW

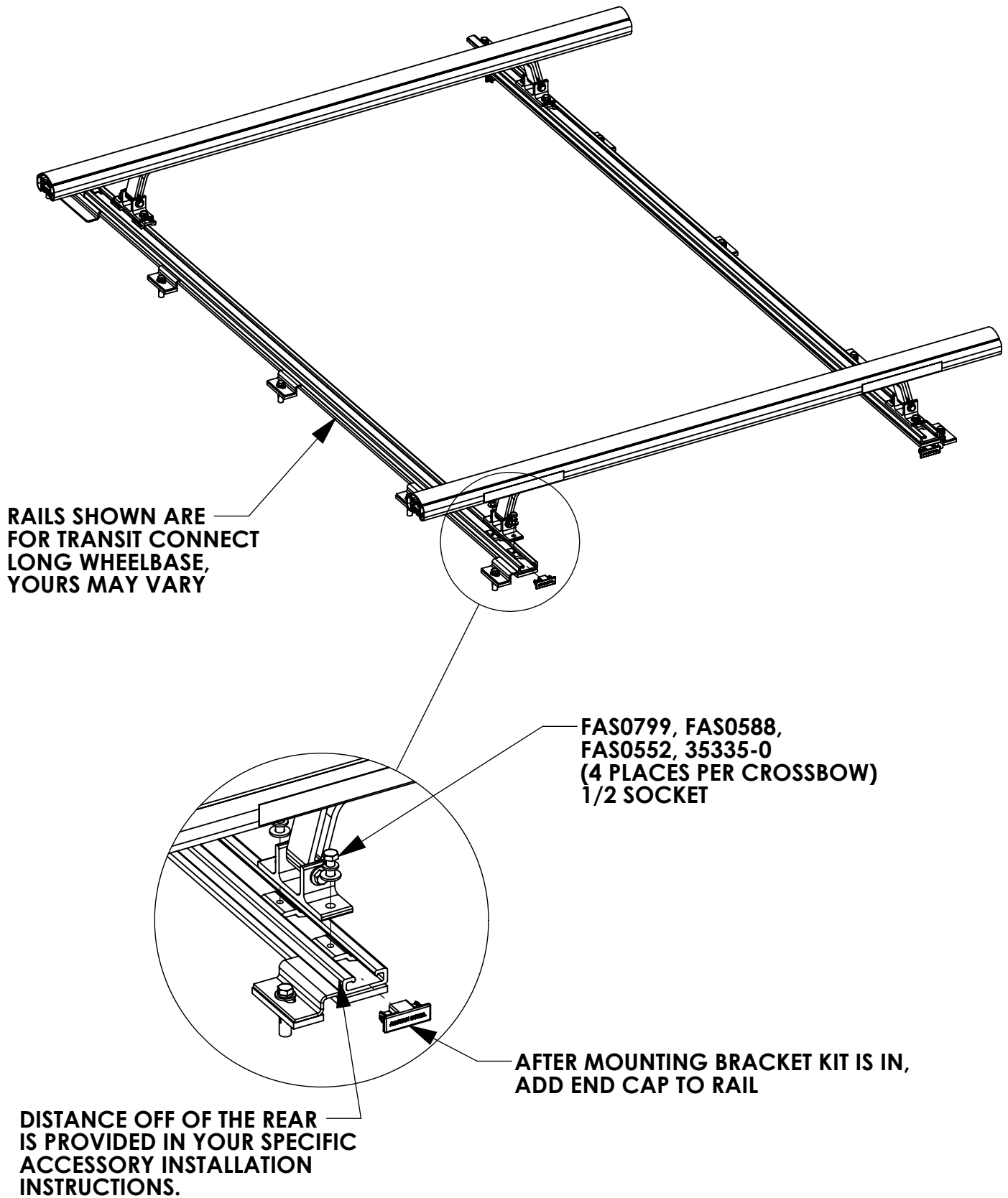


STEP 2 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS

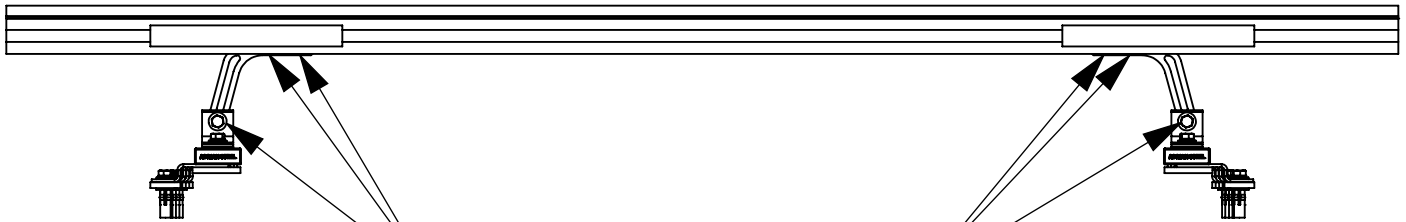


BEGIN INSTALLATION

STEP 3 - INSTALL MOUNTING BRACKET TO RAIL



STEP 4 - CENTER CROSSBOW AND SECURE



**CENTER CROSSBOW AND
SECURE MOUNTING BRACKETS
(6 PLACES PER CROSSBOW)**

**1/2 SOCKET
1/2 WRENCH
5/32 ALLEN**

INSTR. : 69484
NUMBER

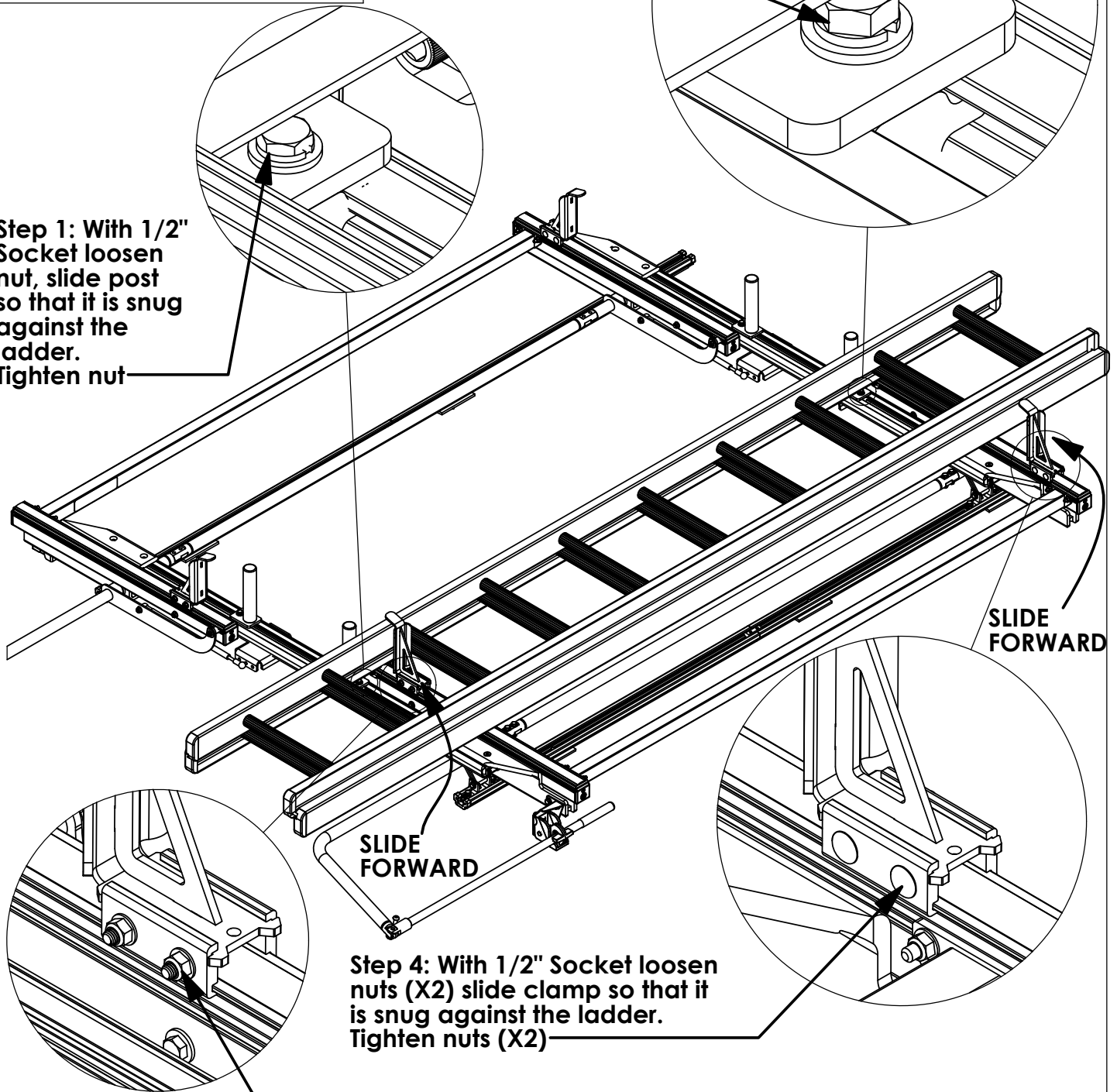
PG: 1
REV: A

PART • Standard Drop ProLift
NUMBER • Low & Compact Vans

PART ProLift Adjustment Instructions -
DESC. • Standard Drop
• Low Roof & Compact Vans

Step 3: With 1/2" Socket loosen nut, slide post so that it is snug against the ladder. Tighten nut

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



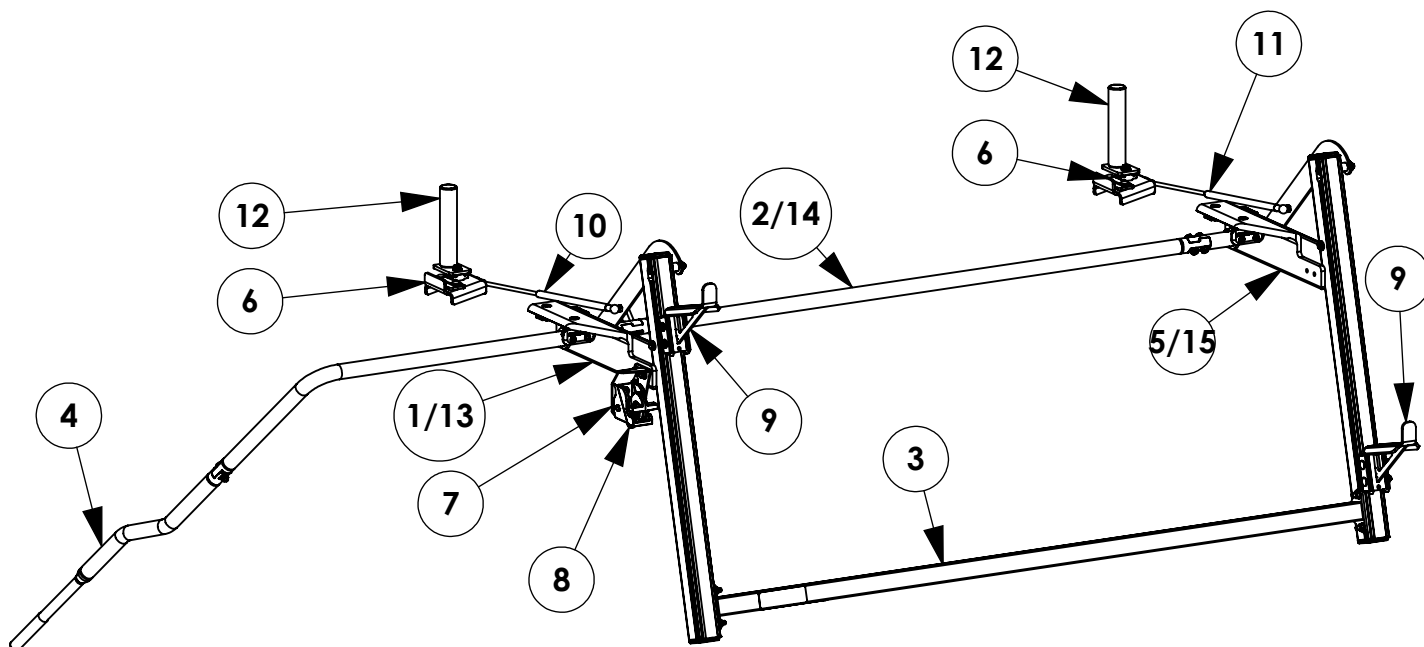
Step 4: With 1/2" Socket loosen nuts (X2) slide clamp so that it is snug against the ladder. Tighten nuts (X2)

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

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

INSTR. : 68581 NUMBER	PG: 1	REV: B	ITEM NO.	PART NUMBER	DESCRIPTION	PLSDPSC	PLSDDSC
	PART . PLSDDSC & NUMBER . PLSDPSC PART . PROLIFT,STD,DS,CPT & DESC. . PROLIFT,STD,PS,CPT		1	68418-W	PROLIFT, CP, PS RR CRT, W	1	-
2			68414-B	PROLIFT, CP, PS DLINE WLD, BLK	1	-	
3			68412-W	PROLIFT, CP, OS BAR WLD, BLK	1	1	
4			68435-B	PROLIFT, CP, OS BAR WLD, WHITE	1	1	
5			68031-W	DROP DOWN FRONT ARM ASSM PS, WHITE	1	-	
6			68045-W	PROLIFT DAMPER MOUNT, WHITE	2	2	
7			68180-W	DROP DOWN LATCH BRACKET, WHITE	1	1	
8			25340-0	HANDLE LATCH-STD	1	1	
9			58239	COMPRESSION DAMPER	1	1	
10			68628-W	PROLIFT,HR,DAMPER BRKT, W	2	2	
11			68422-W	PROLIFFT, CP, DS RR CRT, WHITE	-	1	
12			68419-B	PROLIFT, CP, DS DLINE WLD, BLK	-	1	
13			68013-W	DROP DOWN FRONT ARM ASM DS, WHITE	-	1	

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



TOOLS NEEDED:

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

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

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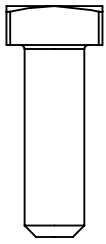
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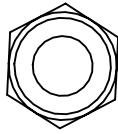
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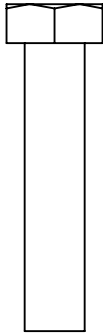
FASTENERS AND HARDWARE USED
BAG REFERENCE: BAG68181 & BAG68182



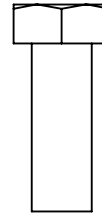
FAS0035
5/16-18 X 1.0
SQ HD, BOLT
QTY: 4



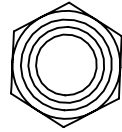
FAS0110
3/8-19
NYL HEX NUT
QTY: 1



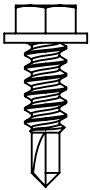
FAS0242
5/16-18 X 1.5
HH SCREW
QTY: 4



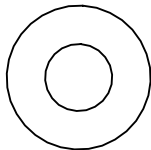
FAS0283
5/16-18 X .875
HH SCREW
QTY: 2



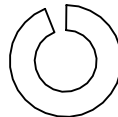
FAS0399
3/8-16
NYL HEX NUT
QTY: 1



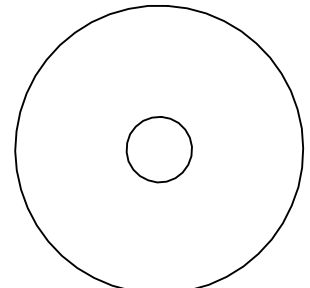
FAS0473
#12 X .75
HH TEK SCREW
QTY: 4



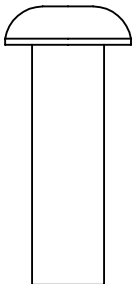
FAS0552
5/16
FLAT WASHER
QTY: 8



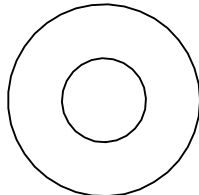
FAS0588
5/16
SPLIT WASHER
QTY: 4



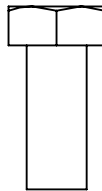
DISCARD FAS0603
5/16 X 1.5 OD
FENDER WASHER
QTY: 2



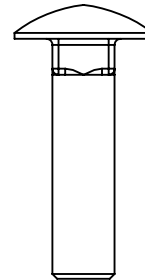
FAS0701
3/8-16 X 1.25
BHC SCREW
QTY: 1



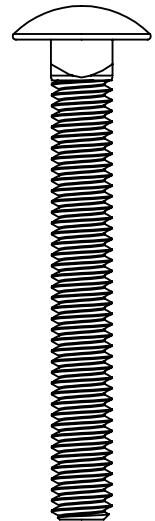
FAS0720
3/8
FLAT WASHER
QTY: 1



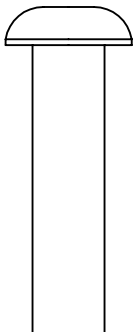
FAS0799
5/16-18 X .75
HH SCREW
QTY: 2



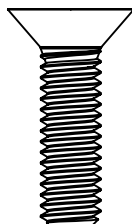
FAS0812
5/16-18 X 1.25
CRG BOLT
QTY: 4



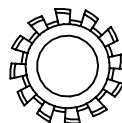
FAS0838
5/16-18 X 2.5
CRG BOLT
QTY: 4



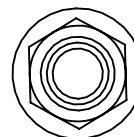
FAS0819
3/8-16 X 1.5
BHC SCREW
QTY: 1



FAS0856
5/16-18 X 1.125
FHH SCREW
QTY: 4



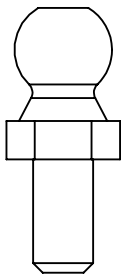
FAS0857
5/16 CS
LCK EXT WASHER
QTY: 4



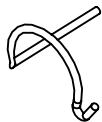
FAS0861
5/16-18
NLY HEX NUT
QTY: 18

INTENTIONALLY LEFT BLANK

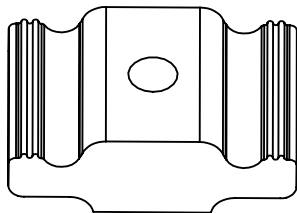
FASTENERS AND HARDWARE USED



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



34928-0
13mm RETAINER
SPRING CLIP
QTY: 4



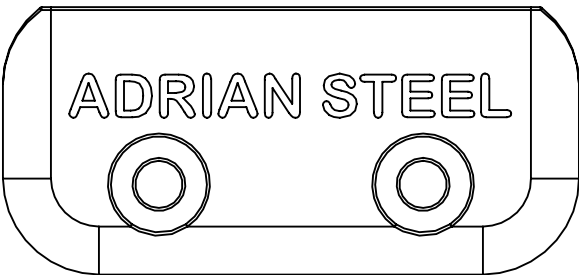
63490
1" RAIL SLIDE
QTY: 6



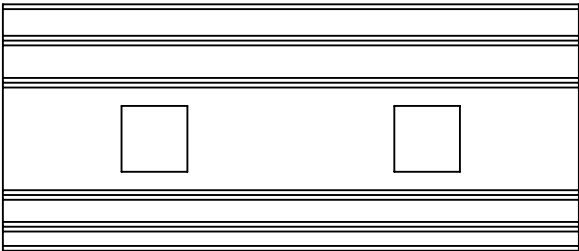
64830
BOLT PLATE
REAR ROLLER
QTY: 2



64831
SPACER
REAR ROLLER
QTY: 2



65961
DROP DOWN
END CAP
QTY: 2



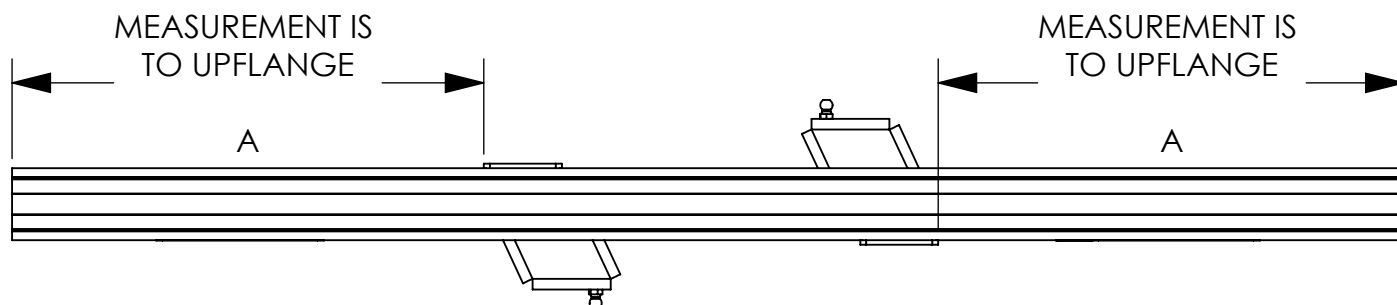
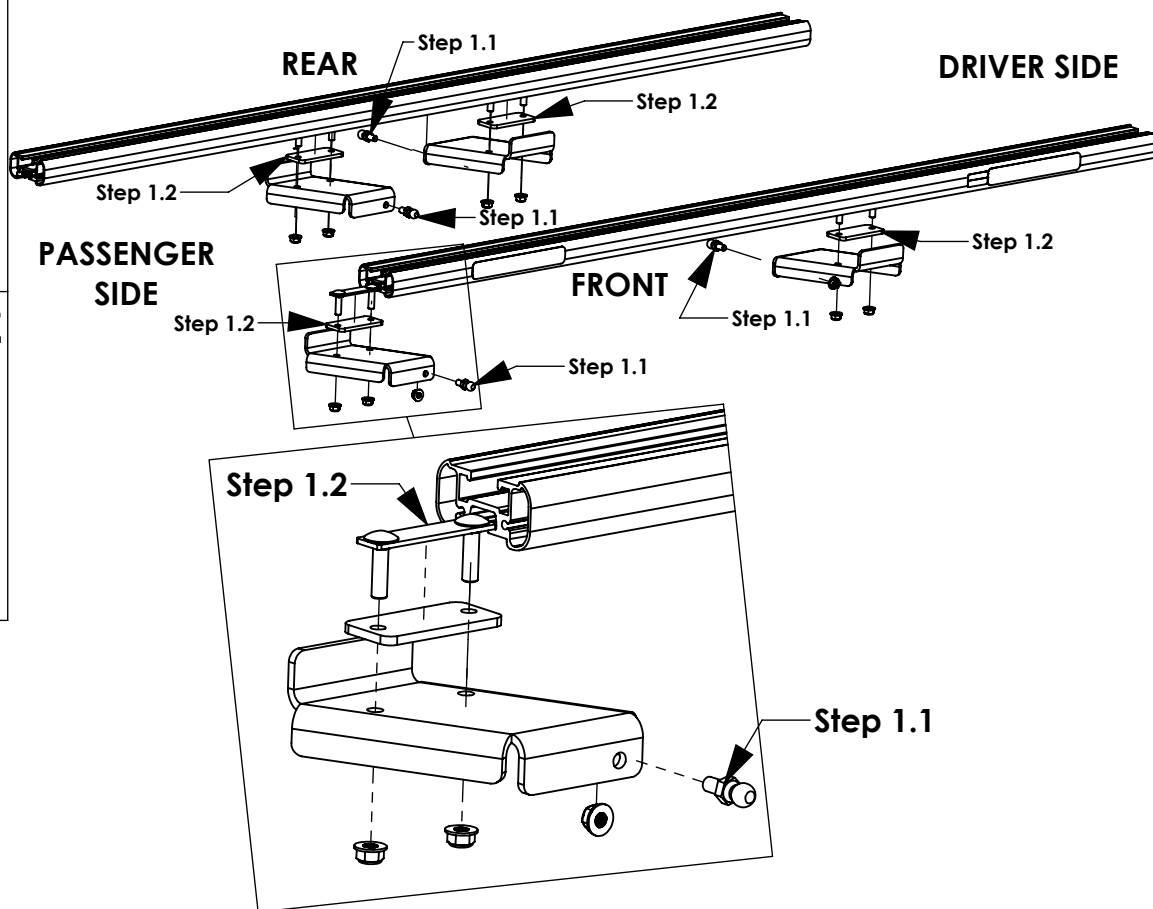
65963-W
STOP CLAMP
WHITE
QTY: 4

INTENTIONALLY LEFT BLANK

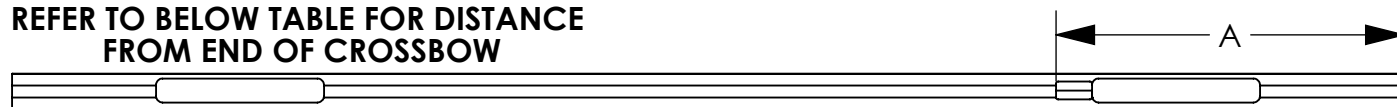
STEP 1 - MOUNT DAMPER BRACKETS

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

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

A.2

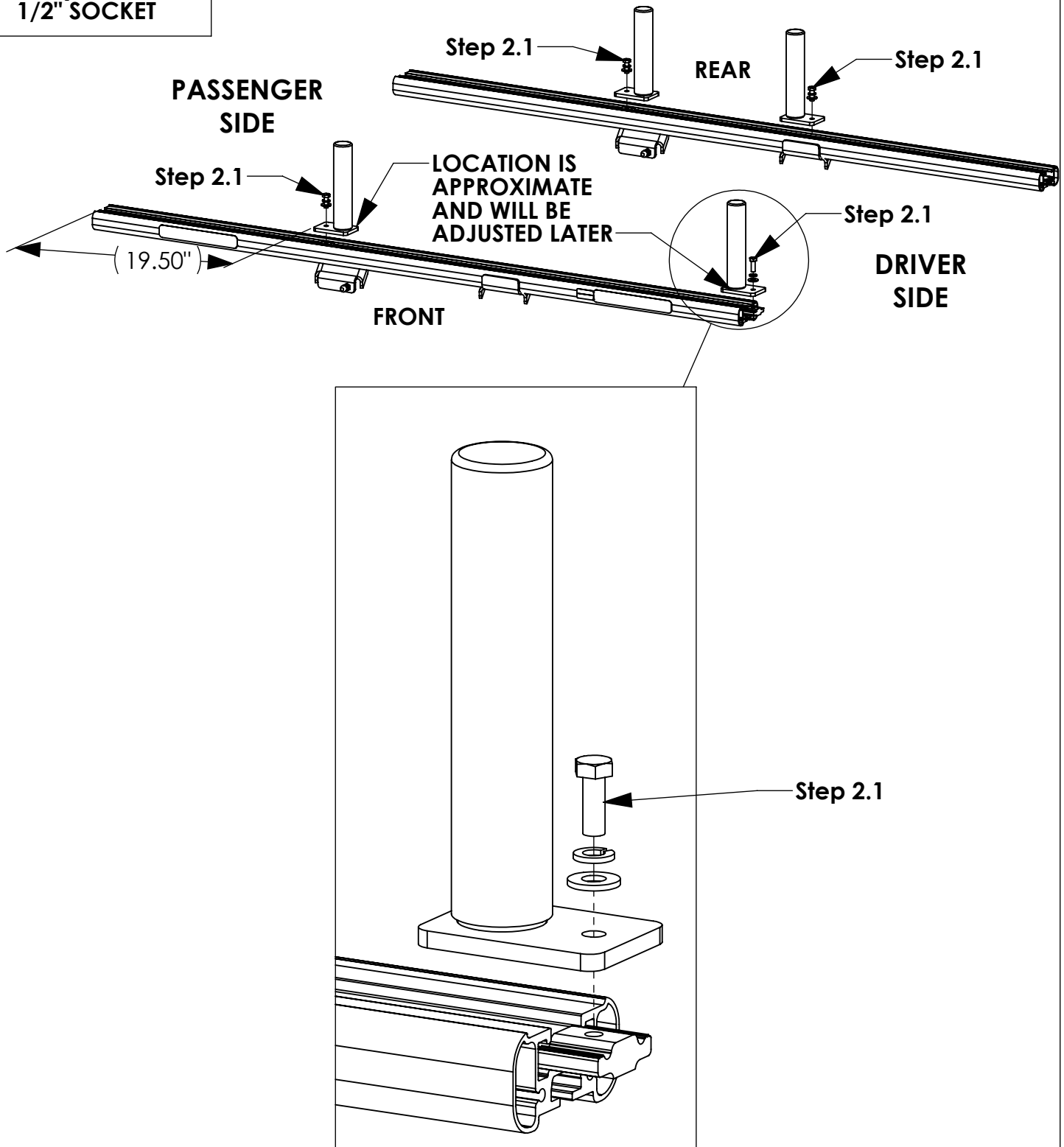
REFER TO BELOW TABLE FOR DISTANCE
FROM END OF CROSSBOW

**TABLE: 68581-1**

VEHICLE	TRANSIT CONNECT LONG WB	TRANSIT CONNECT SHORT WB	PROMASTER CITY	MERCEDES METRIS LONG WB	MERCEDES METRIS SHORT WB
MEASUREMENT "A"	19 5/8"	19 5/8"	19 5/8"	19 5/8"	19 5/8"
CROSSBOW TYPE	48" CROSSBOW	48" CROSSBOW	58" CROSSBOW	58" CROSSBOW	58" CROSSBOW

STEP 2 - MOUNT INNER STOPS TO CROSSBOW

Step 2.1
B.1
FAS0283,
FAS0552,
FAS0861
(2 PLACES PER
SIDE)
1/2" SOCKET



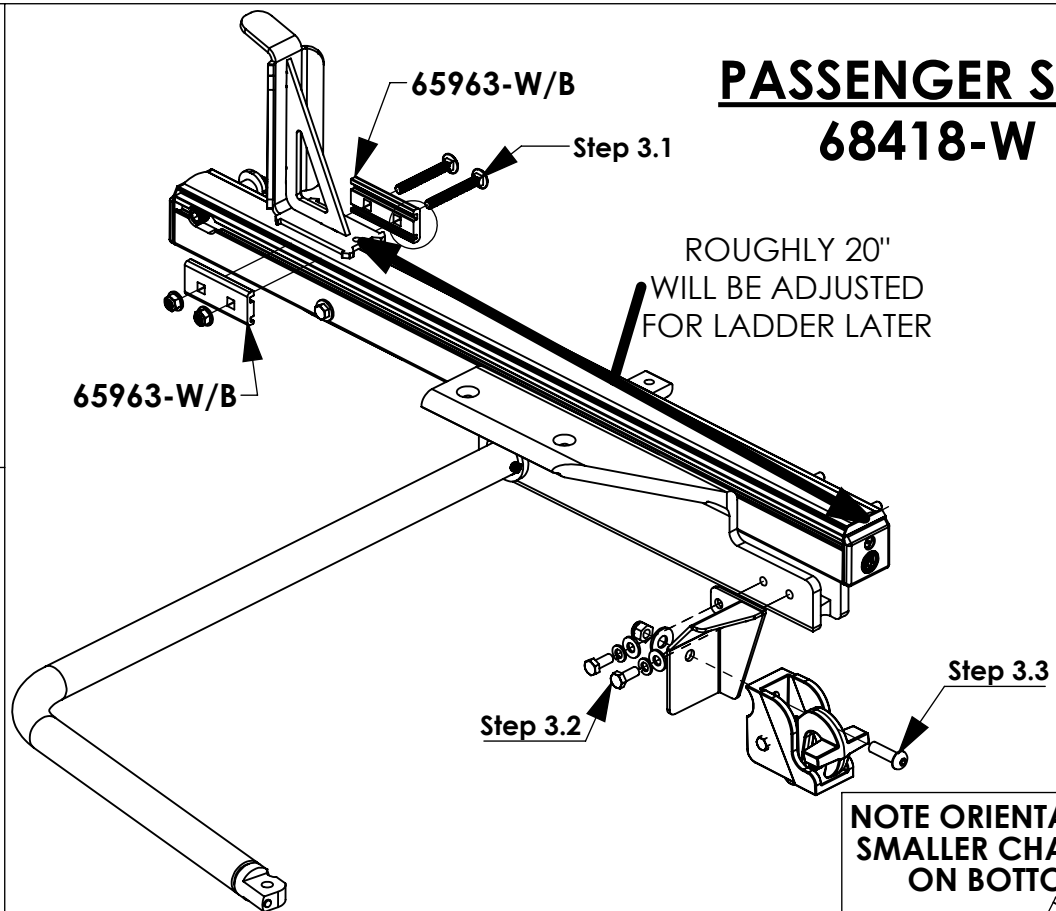
STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES**REAR SUB-ASSEMBLY**

STEP 3.1
FULLY TIGHTEN
FAS0838 &
FAS0861
(02 PLACES)
1/2" SOCKET

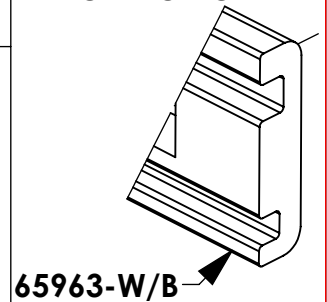
STEP 3.2
FULLY TIGHTEN
FAS0799,
FAS0552, &
FAS0588
(02 PLACES)
1/2" SOCKET

STEP 3.3
FULLY TIGHTEN
FAS0701, FAS0720,
& FAS0110
(01 PLACE)
7/32" ALLEN
9/16" SOCKET

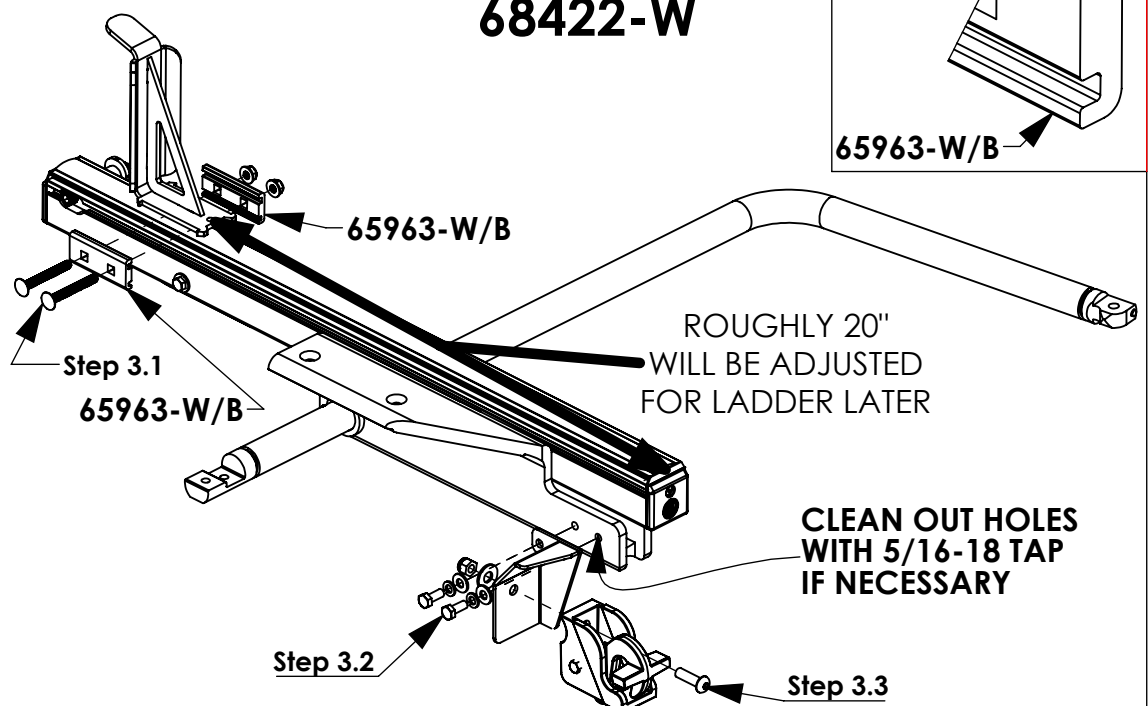
PASSENGER SIDE
68418-W



NOTE ORIENTATION:
SMALLER CHANNEL
ON BOTTOM



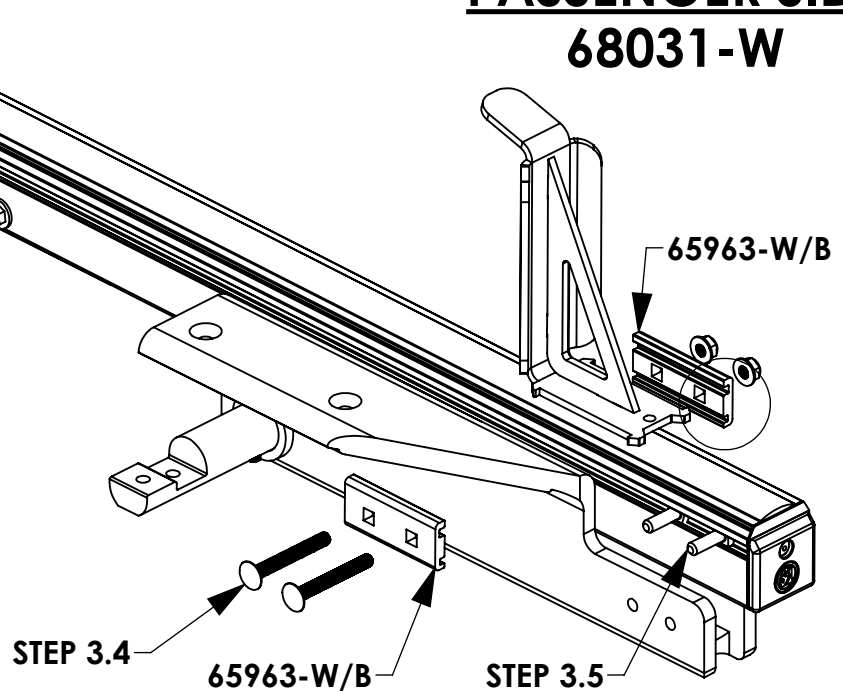
DRIVER SIDE
68422-W



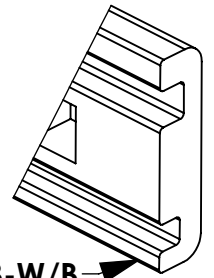
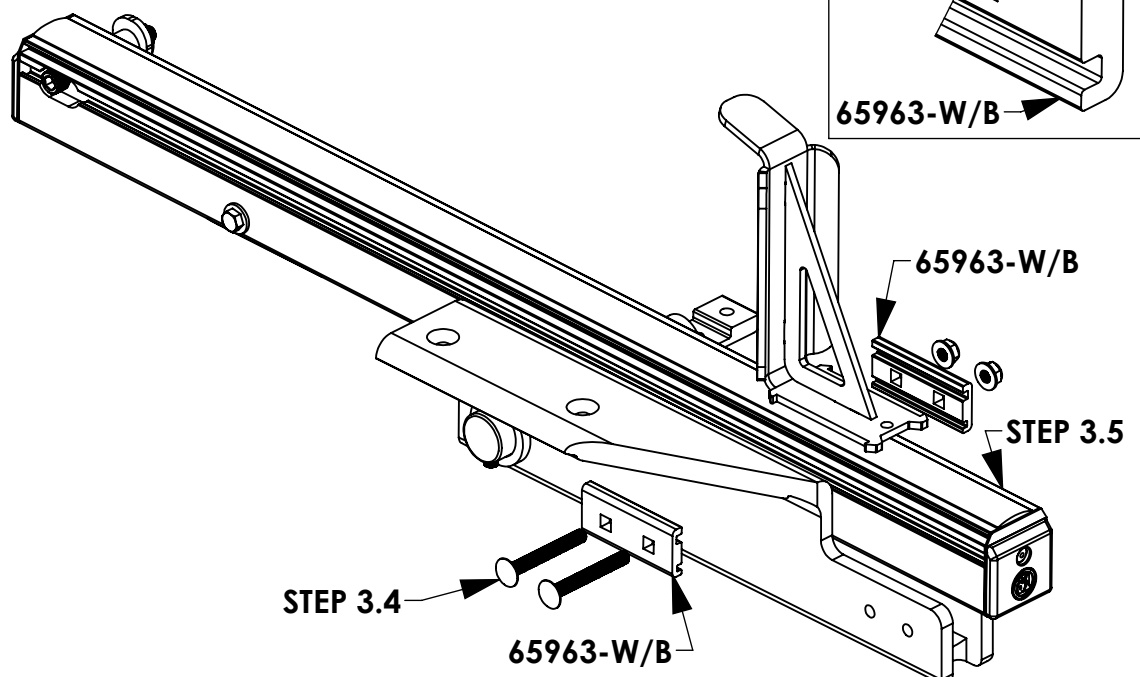
STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES**FRONT SUB-ASSEMBLY**

STEP 3.4
FULLY TIGHTEN
FAS0838 &
FAS0861
(02 PLACES)
1/2" SOCKET

STEP 3.5
FAS0035
SLIDE INTO SLOT
(02 PLACES)

PASSENGER SIDE
68031-W

NOTE ORIENTATION:
SMALLER CHANNEL
ON BOTTOM

**DRIVER SIDE**
68013-W



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

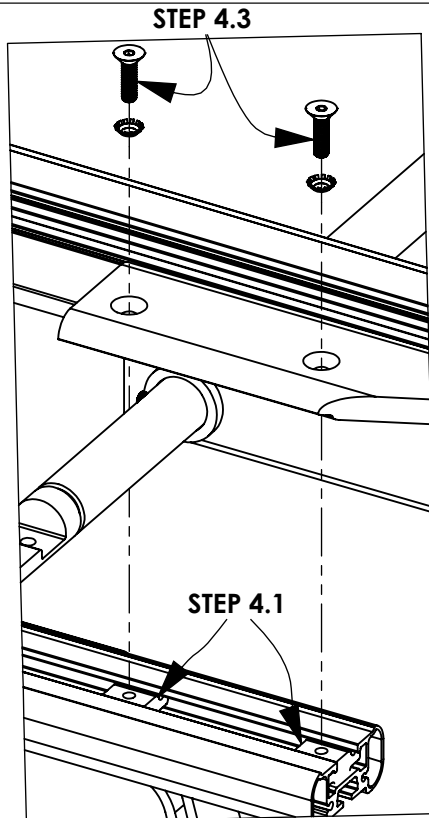
C.1

STEP 4.2

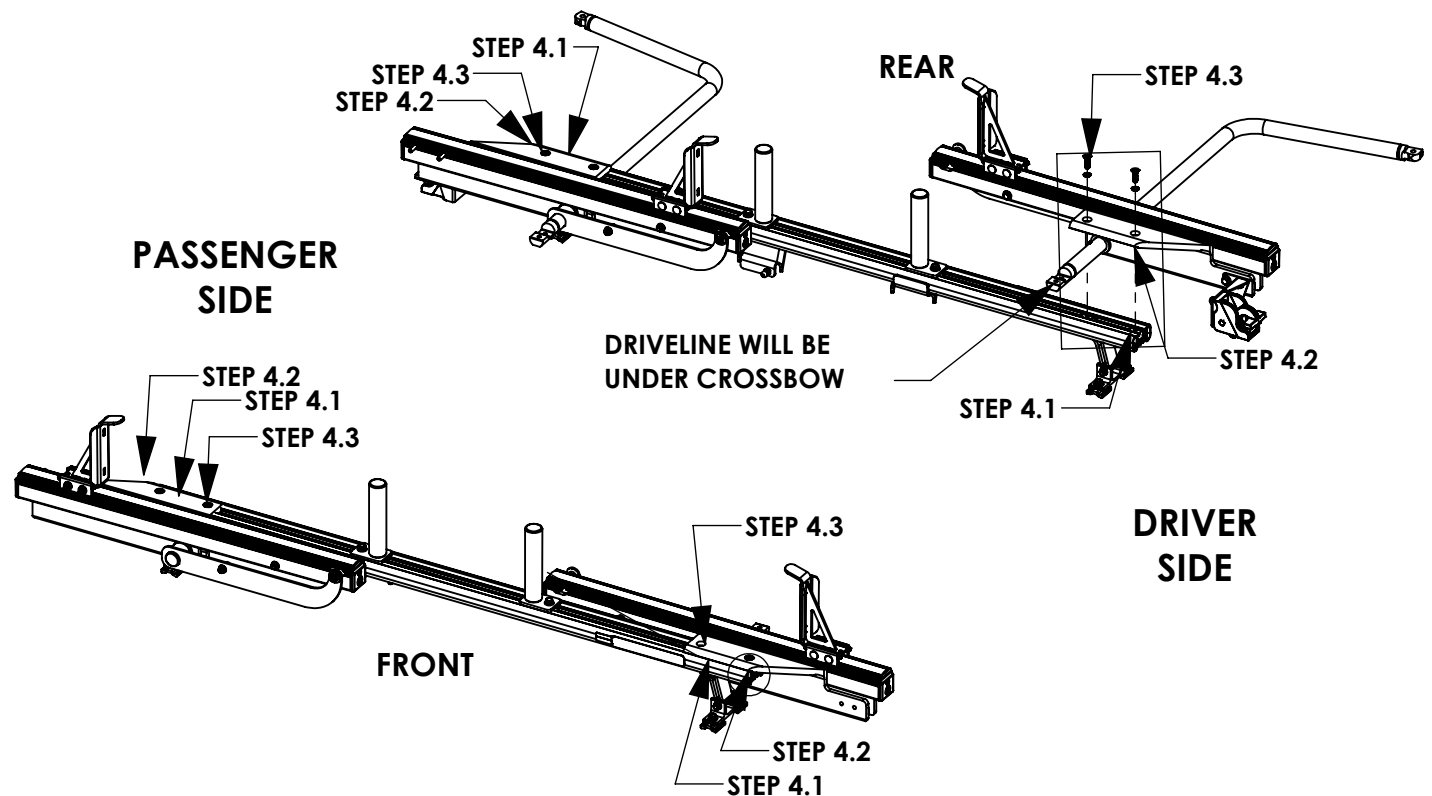
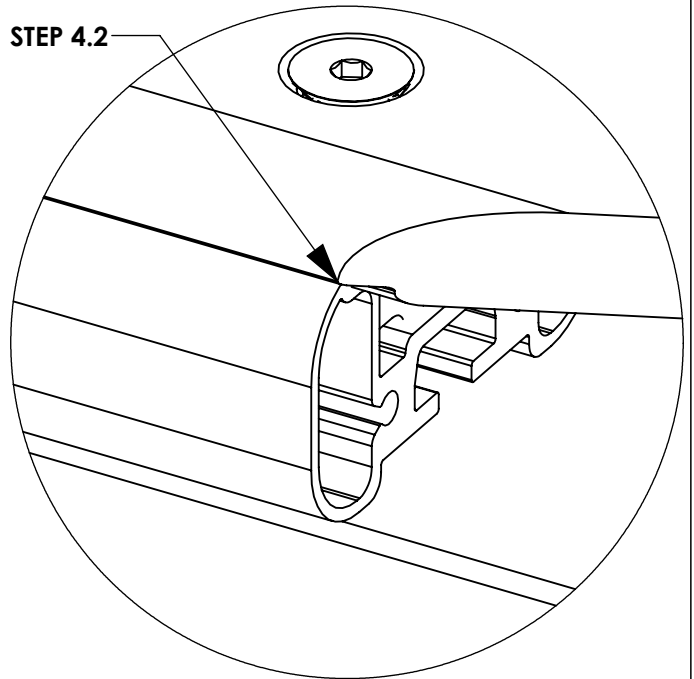
LINE UP CORNERS
WITH END OF
CROSSBOW

STEP 4.3

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



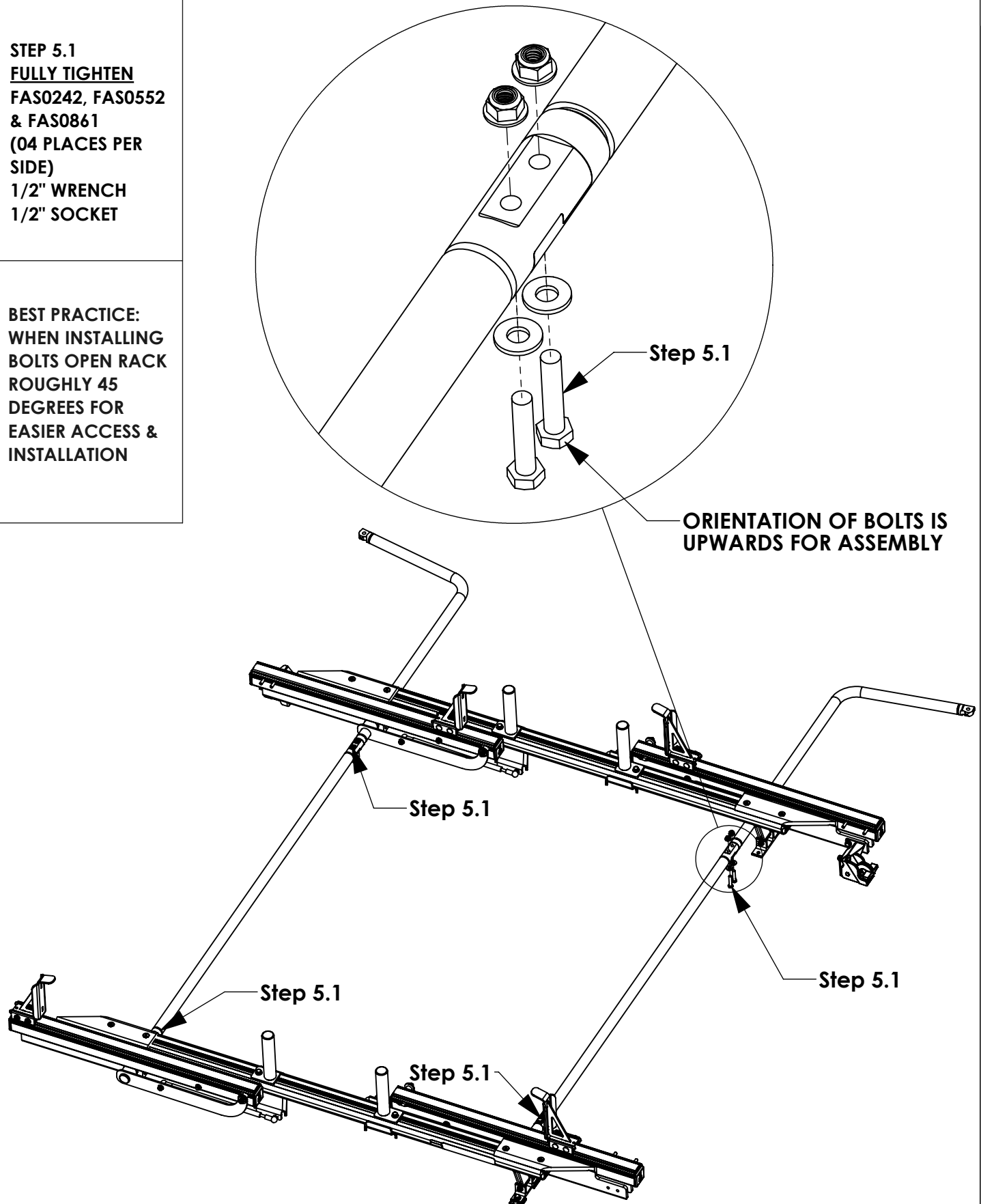
STEP 4.2



STEP 5 - INSTALL DRIVELINE

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

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



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

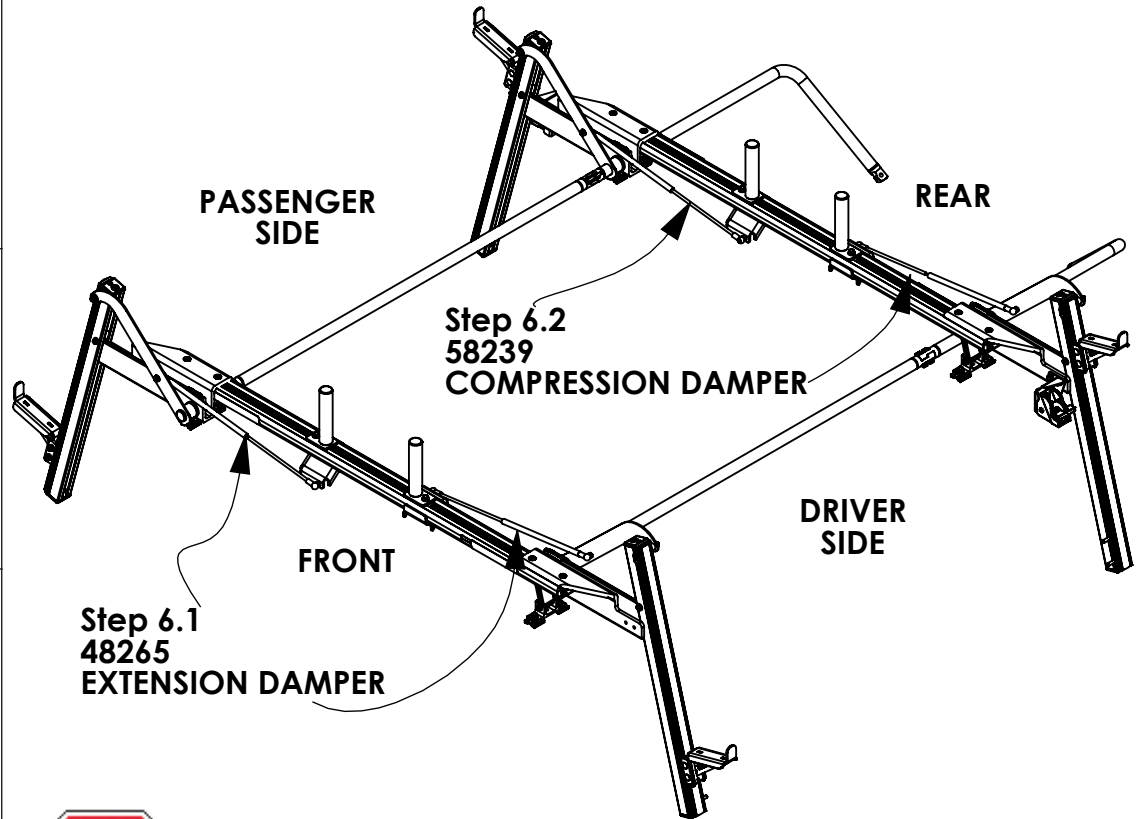
Step 6.1
ATTACH EXTENSION
DAMPERS (48625) TO
BALL STUDS.

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

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

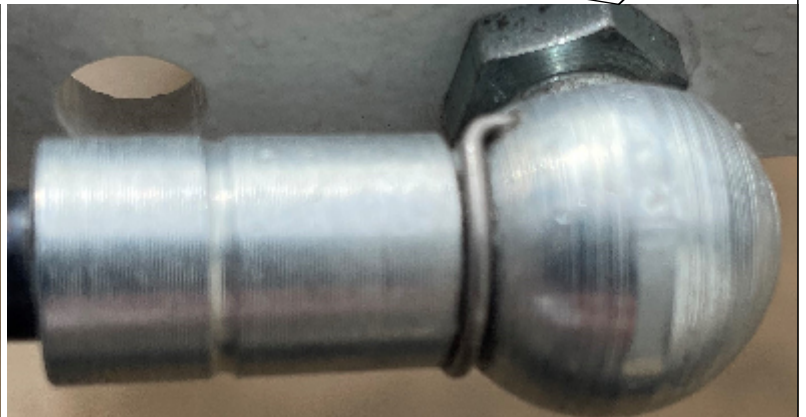
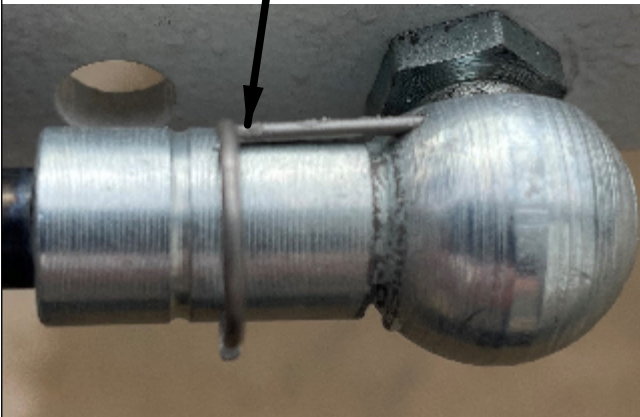
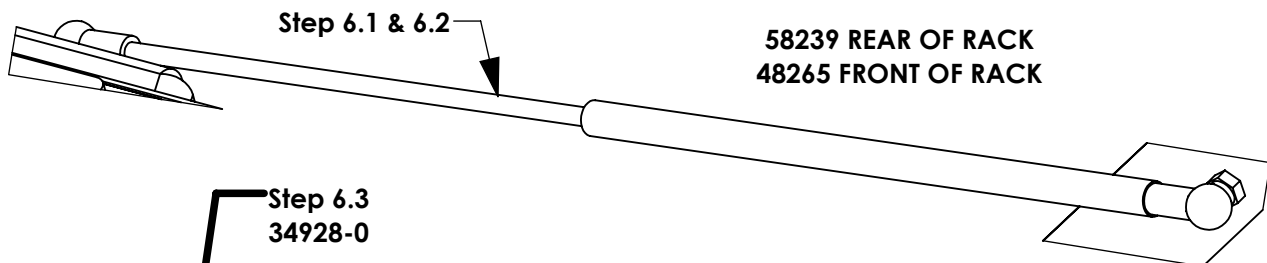
ORIENTATION OF
DAMPER MATTERS!!!
(01 PLACE PER SIDE)

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



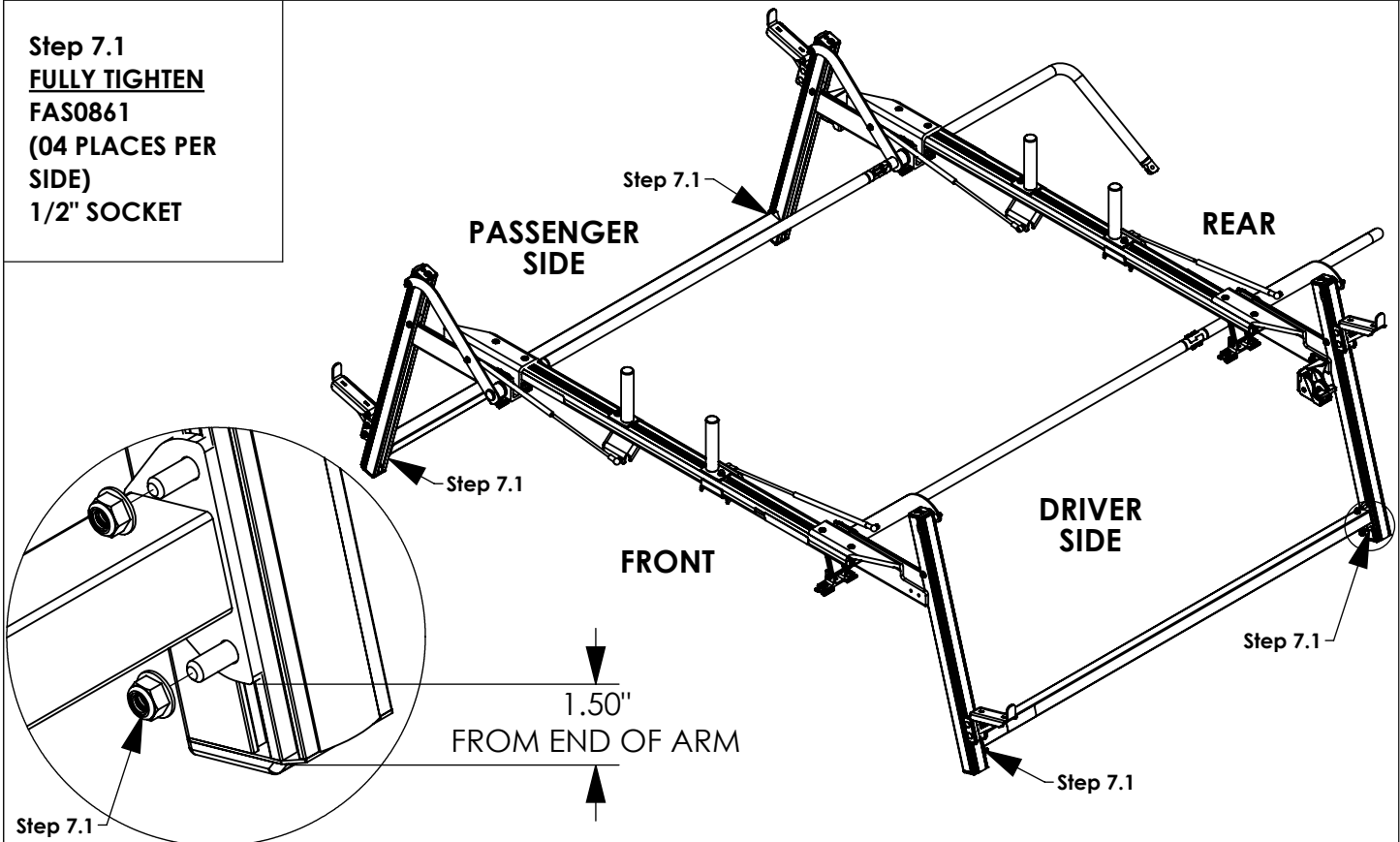
ORIENTATION OF DAMPER MATTERS!!!!

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

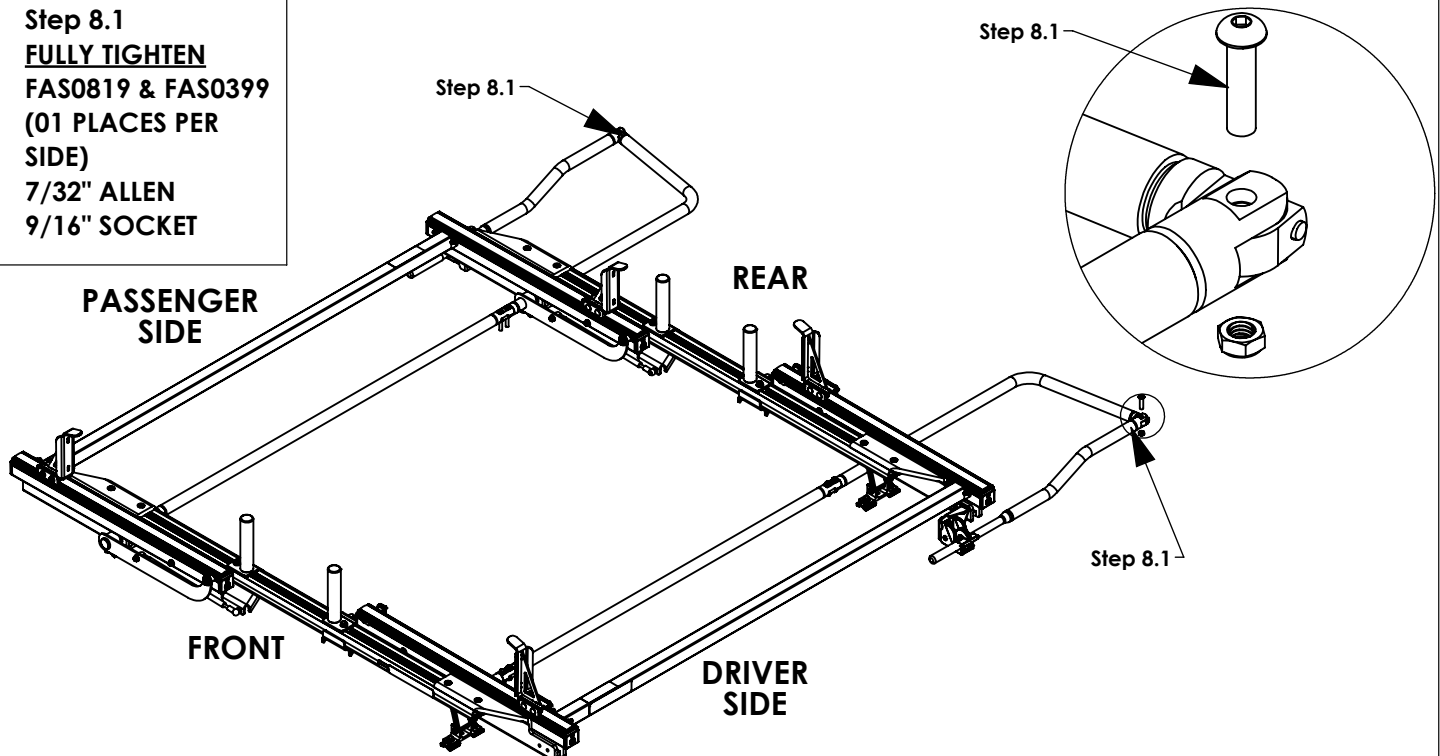


STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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



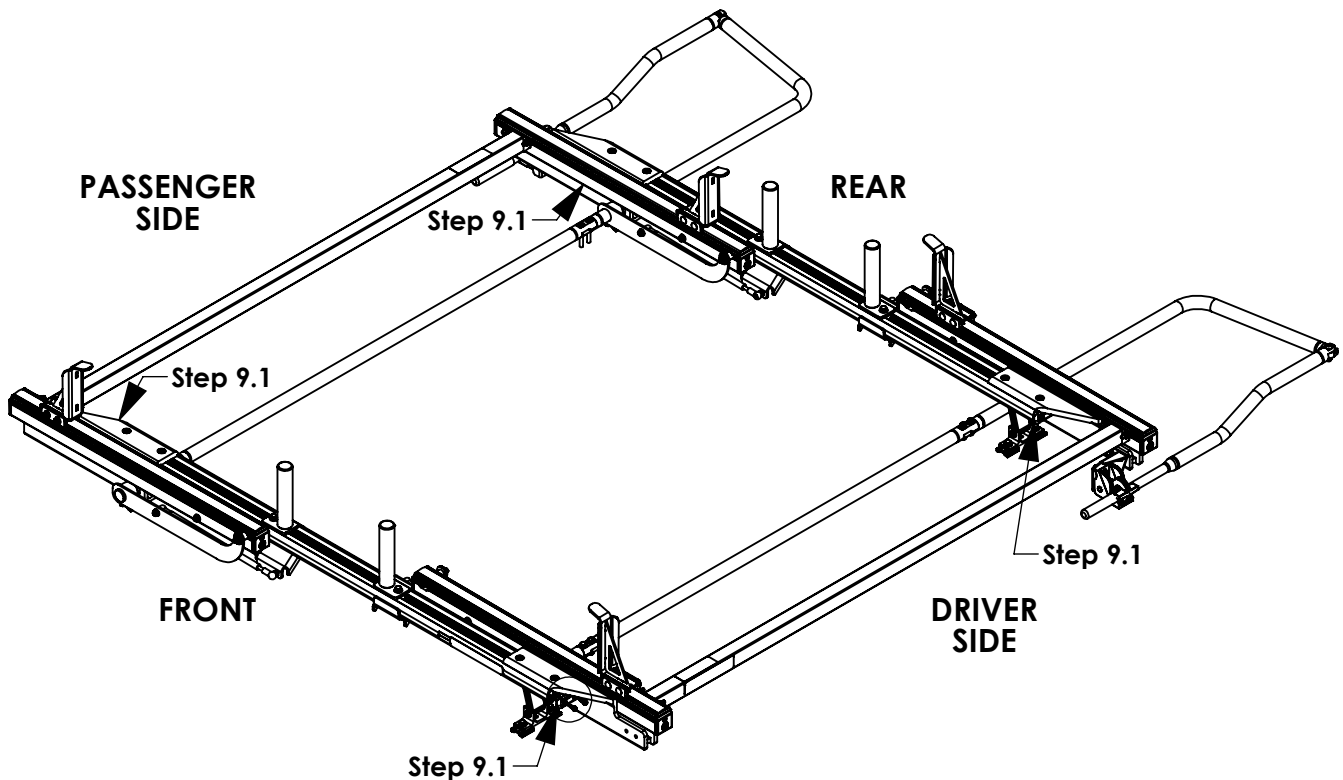
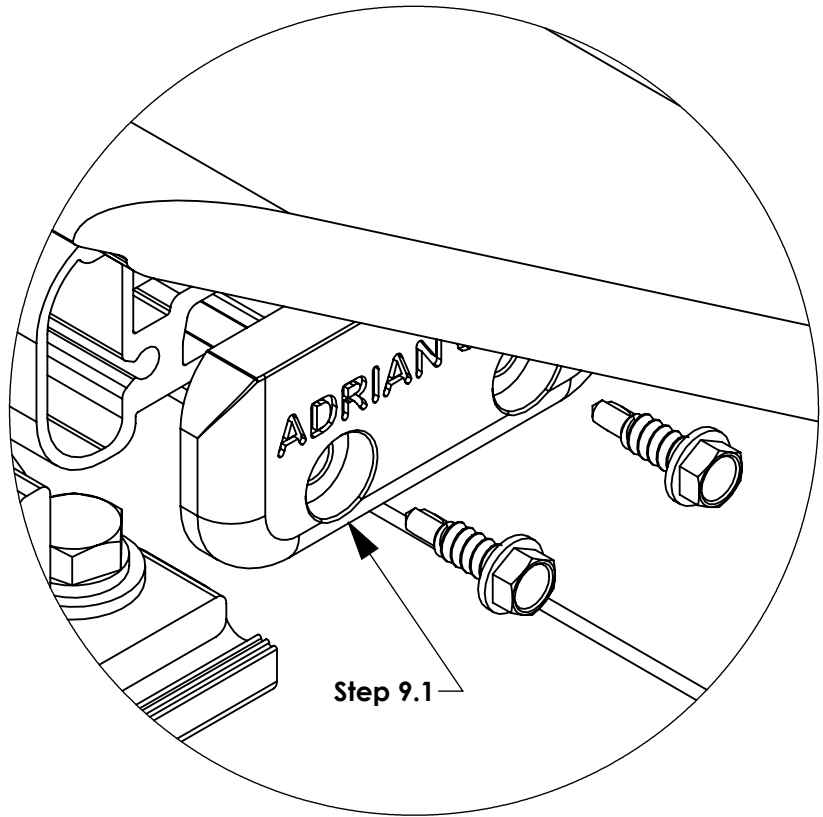
MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE

STEP 9 - INSTALL CROSSBOW END CAPS**Step 9.1****FULLY TIGHTEN**

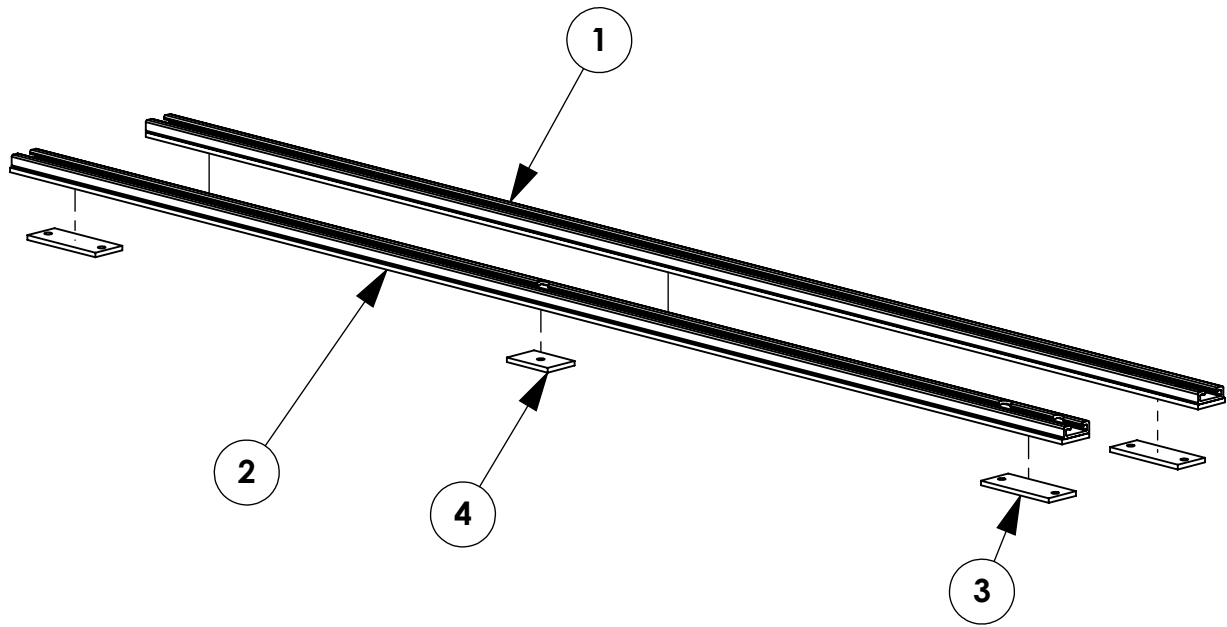
(02) AS0473, 65961

(02 PLACES PER
SIDE)

3/8" SOCKET

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

INSTR. NUMBER : 68578	PG: 1	REV: A	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
			1	68576	ROOF RAIL W/ FOAM,PMC,PS	1
PART NUMBER : RRKPMC			2	68577	ROOF RAIL KIT, PMC	1
			3	54772	EPDM SPACER-PAD, 1/4 X 2 X 5	4
PART : DESC. : ROOF RAIL KIT, PMC			4	54773	EPDM SPACER-PAD, 1/4 X 2 X 3	2



GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

SEAL ALL EXTERIOR HOLES - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

CONTROL DRILL DEPTH - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

ALWAYS ADD PRIMER - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

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

PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

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

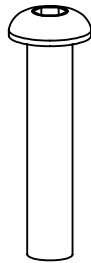
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

FASTENERS USED



**FAS0234
1/4 SS
FLAT WASHER
QTY: 10**



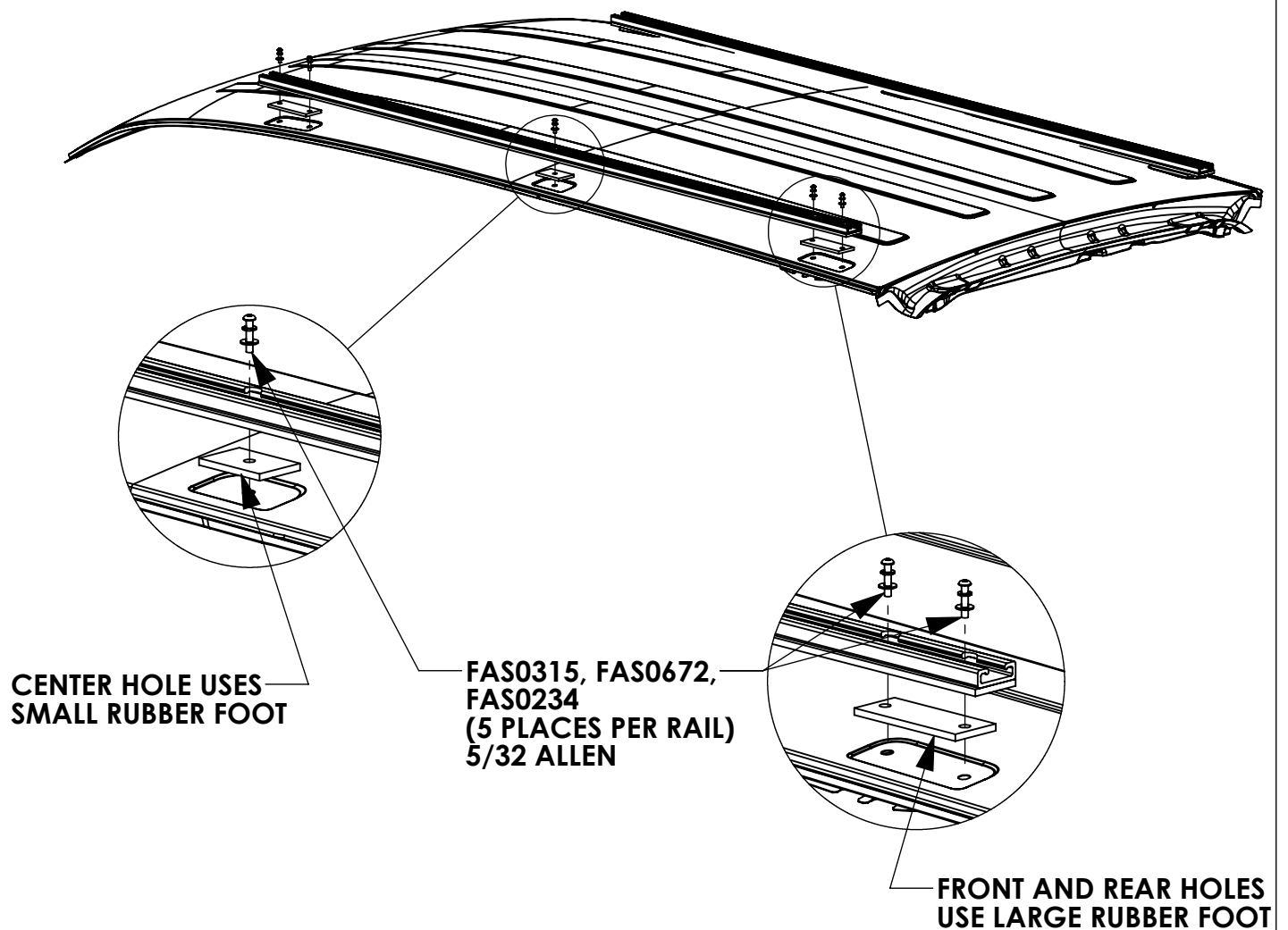
**FAS0315
M6-1 X 30mm SS
BHC SCREW
QTY: 10**



**FAS0672
1/4 SS
SPLIT WASHER
QTY: 10**

STEP 1 - PREP ROOF HOLES

a) REMOVE OEM PLASTIC PLUGS FROM ALL 10 ROOF MOUNTING LOCATIONS.

STEP 2 - INSTALL ROOF RAILS

NOTE: END CAPS CANNOT BE ADDED UNTIL AFTER MOUNTING BRACKET KIT IS INSTALLED.



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.

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!

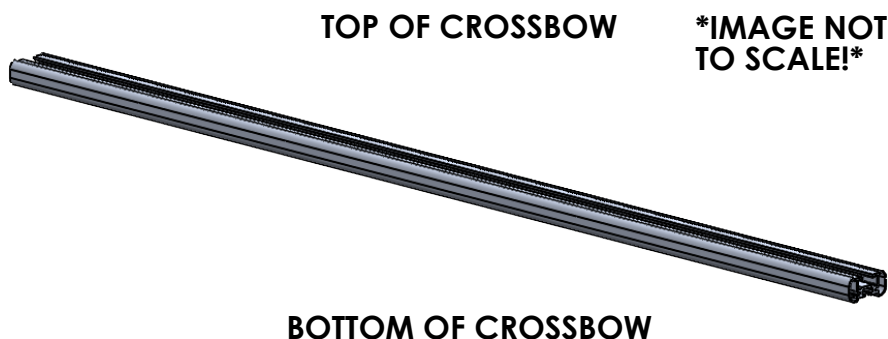


TABLE 1

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!

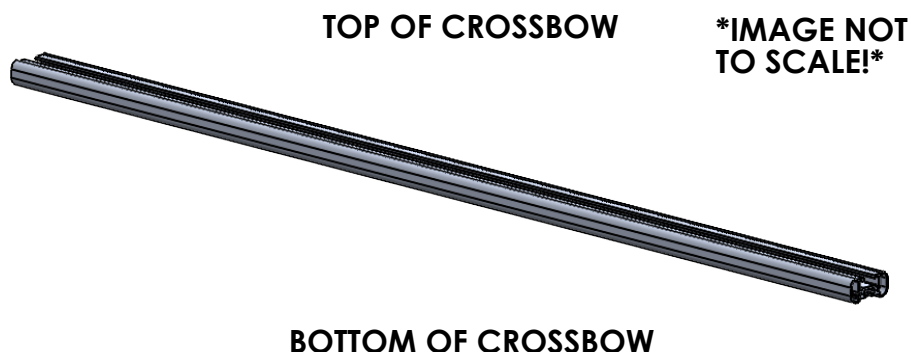


TABLE 2

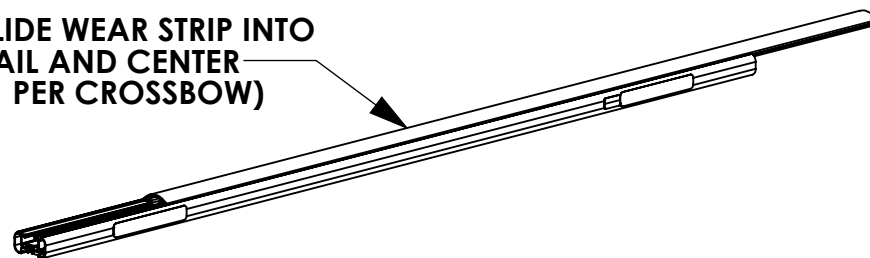
TOP OF CROSSBOW		
	COMPONENTS TO INSTALL	
B.1	<u>HD UTILITY</u>	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	<u>Grip-Lock</u>	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	<u>ProLift</u>	- INNER STOP POST
BOTTOM OF CROSSBOW		
	COMPONENTS TO INSTALL	
B.2	<u>HD UTILITY</u>	- MOUNTING BRACKETS
	<u>Grip-Lock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



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

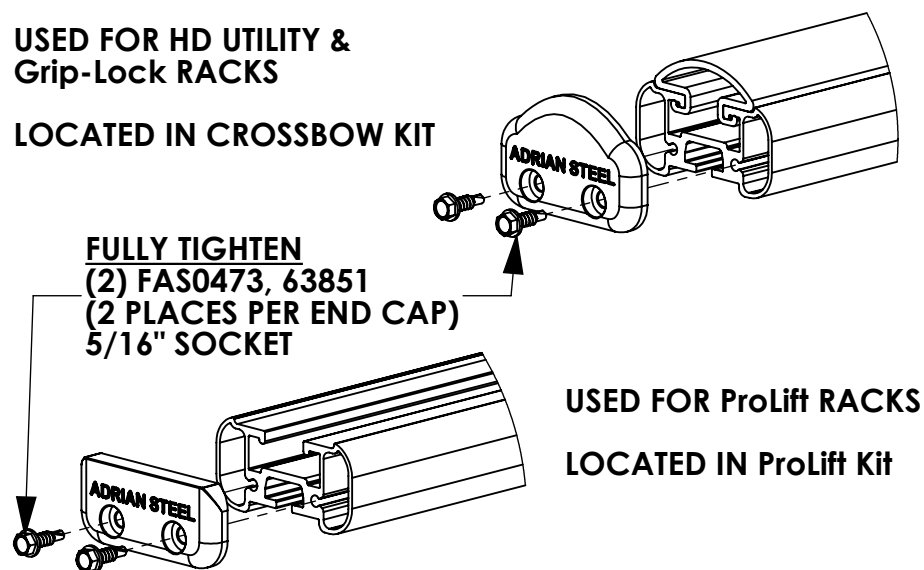
ASSEMBLY STEPS (FULL BENCH ASSEMBLY):

- 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)

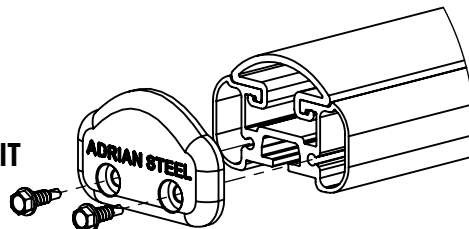
7R. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)

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

