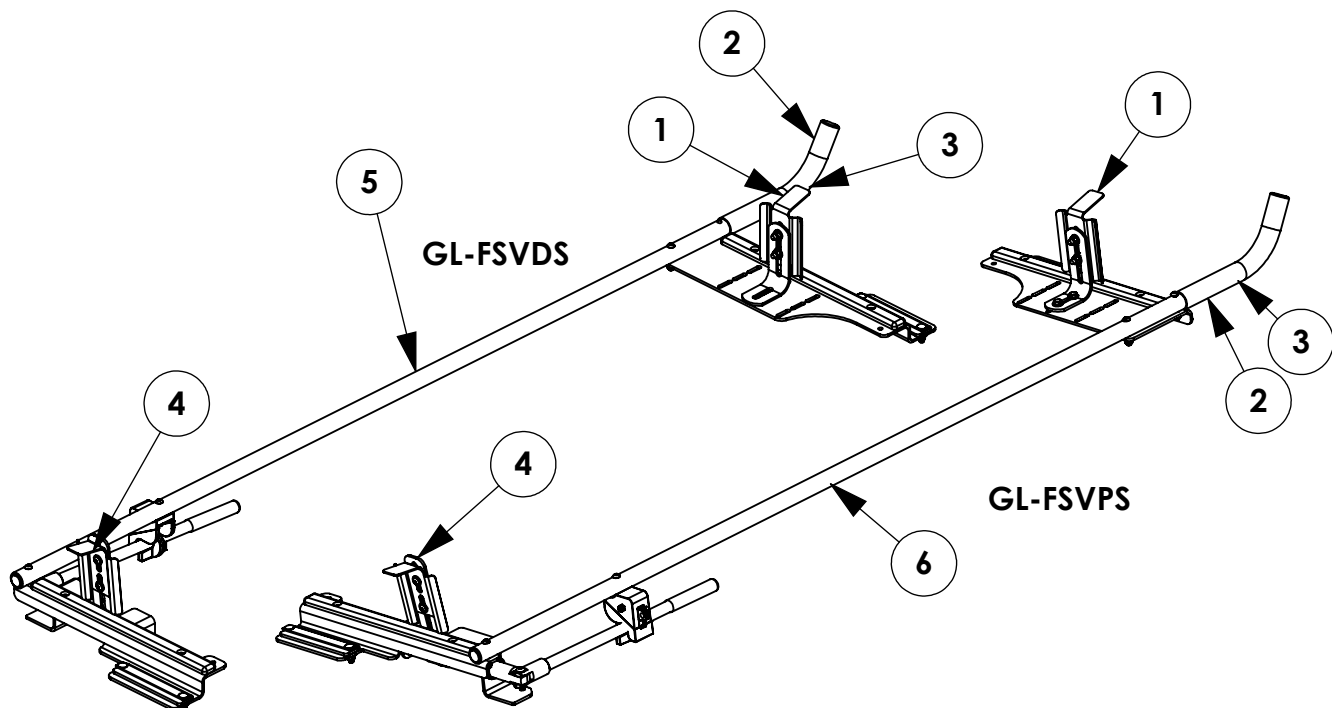


INSTR. : 67116 NUMBER	PG: 1	REV: C	ITEM NO.	PART NUMBER	DESCRIPTION	GL-FSVDS	GL-FSVPS
			1	66358	GRIP LOCK FRONT STOP ASSM	1	1
PART . GL-FSVDS NUMBER . GL-FSVPS			2	27254-B	SLEEVE-HORN,L.R. BLACK	1	1
			3	66293	GRIP LOCK OUTER TUBE	1	1
PART . GL FULL SIZE VEHICLE DS DESC. . GL FULL SIZE VEHICLE PS			4	66357	GRIP LOCK HANDLE CLAMP POST	1	1
			5	69445	GRIP LOCK FSV, ASM DS	1	-
NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:			6	69444	GRIP LOCK FSV, ASM PS	-	1

NOTE: 66357, 69444, & 69445 ARE AVAILABLE IN BLACK VARIANTS
- FOR THEIR IDENTIFICATION, ADD THE "-B" SUFFIX TO THE END OF THE PART NUMBER

-GL-FSVDS
-GL-FSVPS
-GL-FSVPSB
-GL-FSVDSB



TOOLS NEEDED:
1/2" SOCKET
1/2" WRENCH
9/16" SOCKET
3/16" ALLEN WRENCH
DRIVE RATCHET
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 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.

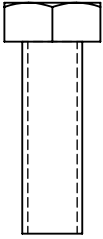
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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).

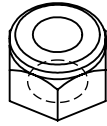
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS USED

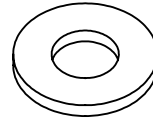
BAG REFERENCE: BAG66374



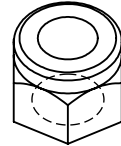
FAS0597
SCREW, HH SS
5/16-18X1.00
SINGLE QTY: 2



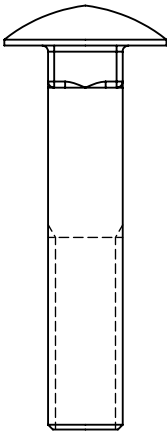
FAS0248
NUT, HEX NLK
5/16-18 SS
SINGLE QTY: 3



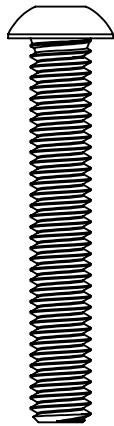
FAS0552
WASHER, FLAT
5/16 USS SS
SINGLE QTY: 5



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



FAS0721
BOLT, CRG SS
3/8-16X2.00
QTY: 1



FAS0841
SCRW, BHCS SS
5/16-18X2.0
QTY: 1

FOR DUAL SIDED RACK DOUBLE FASTENER QUANTITY

INTENTIONALLY LEFT BLANK



SHIP THRU FINAL DEALER ASSEMBLY

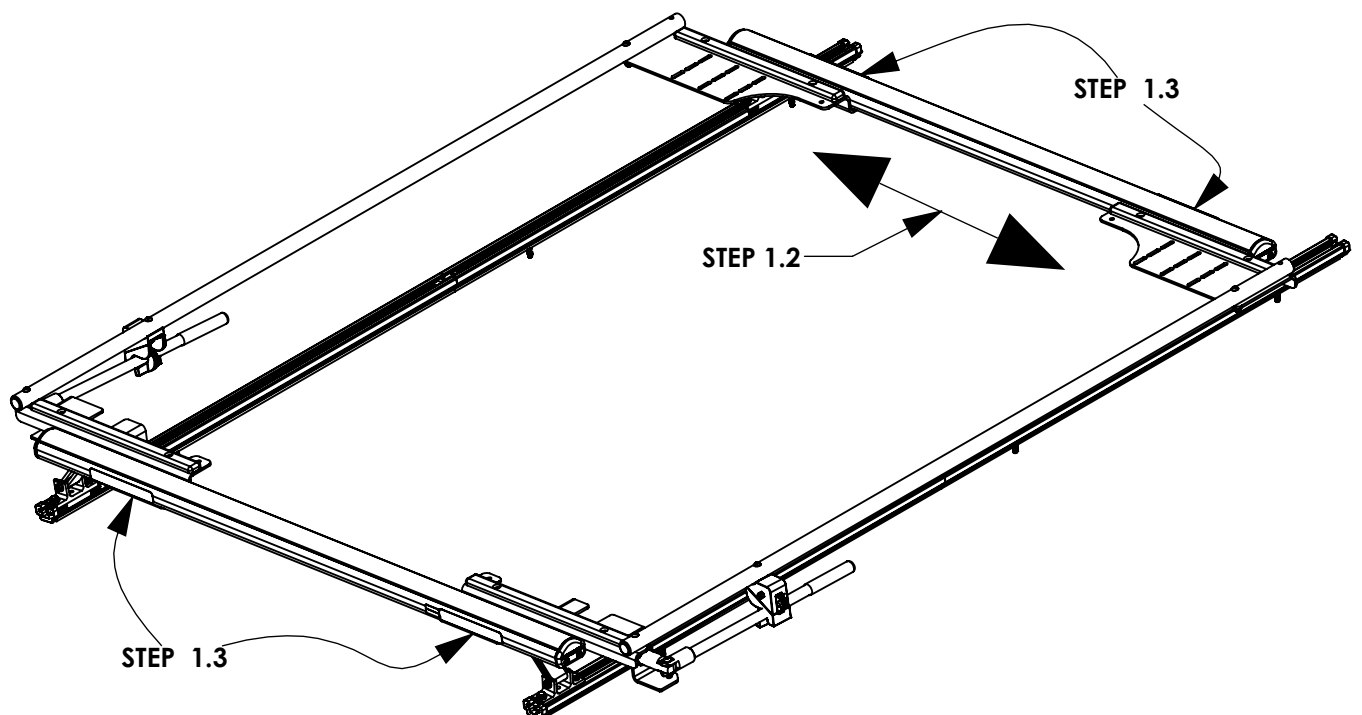
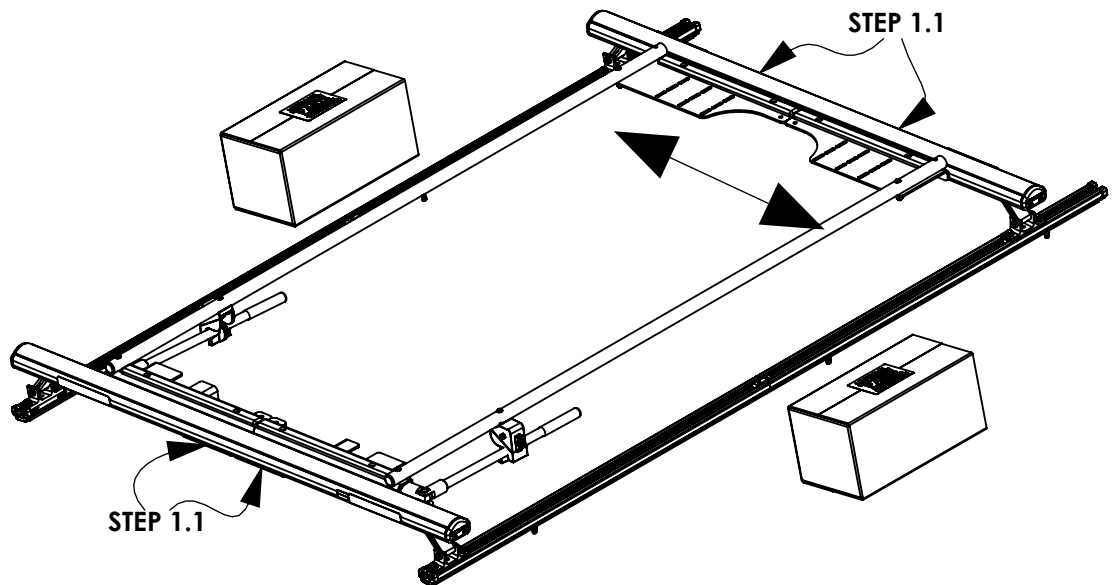
IF NOT RECIEVING SHIP THRU RACK SKIP TO STEP 2

STEP 1 SLIDE RACK OUT FROM SHIP THRU MODE

STEP 1.1
LOOSEN FAS0248
(04 PLACES PER SIDE)
1/2" WRENCH

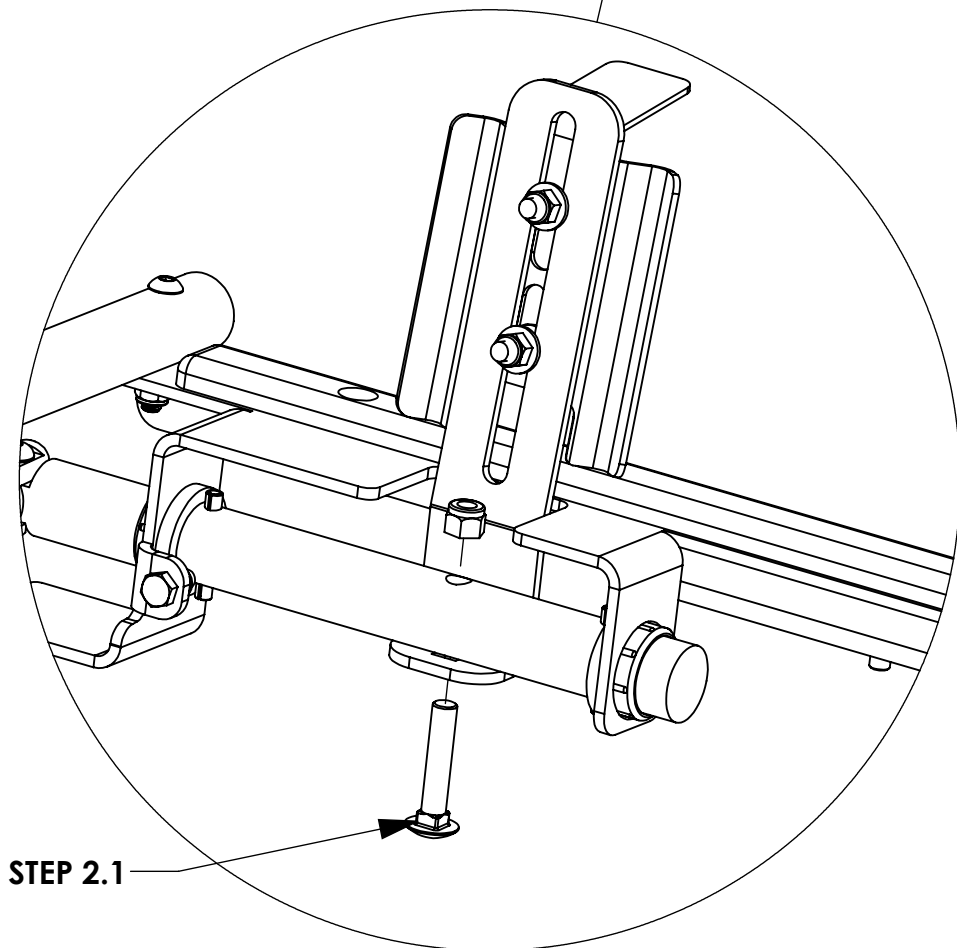
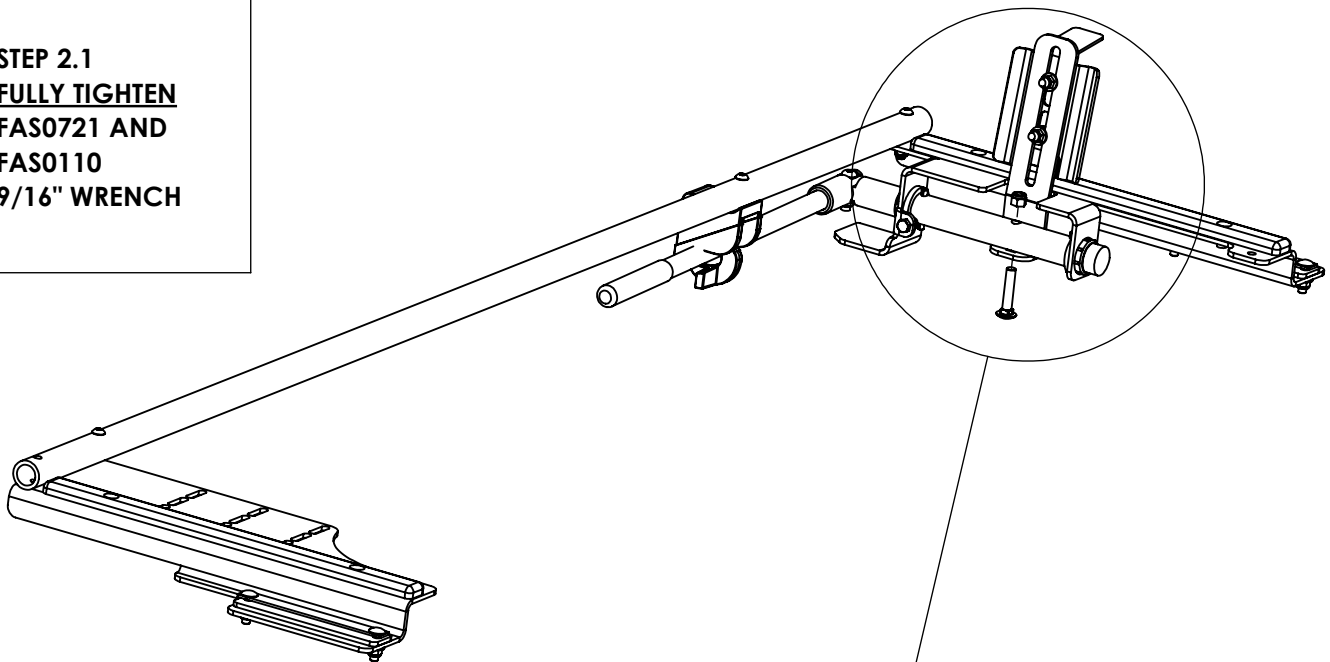
STEP 1.2
SLIDE RACK
OUTWARDS UNTIL
GRIP LOCK
TOUCHES
MOUNTING FEET

STEP 1.3
FULLY TIGHTEN
FAS0248
(04 PLACES PER SIDE)
1/2" WRENCH



STEP 2 -ASSEMBLE HANDLE POST TO REAR BRACE ASSEMBLY

STEP 2.1
FULLY TIGHTEN
FAS0721 AND
FAS0110
9/16" WRENCH

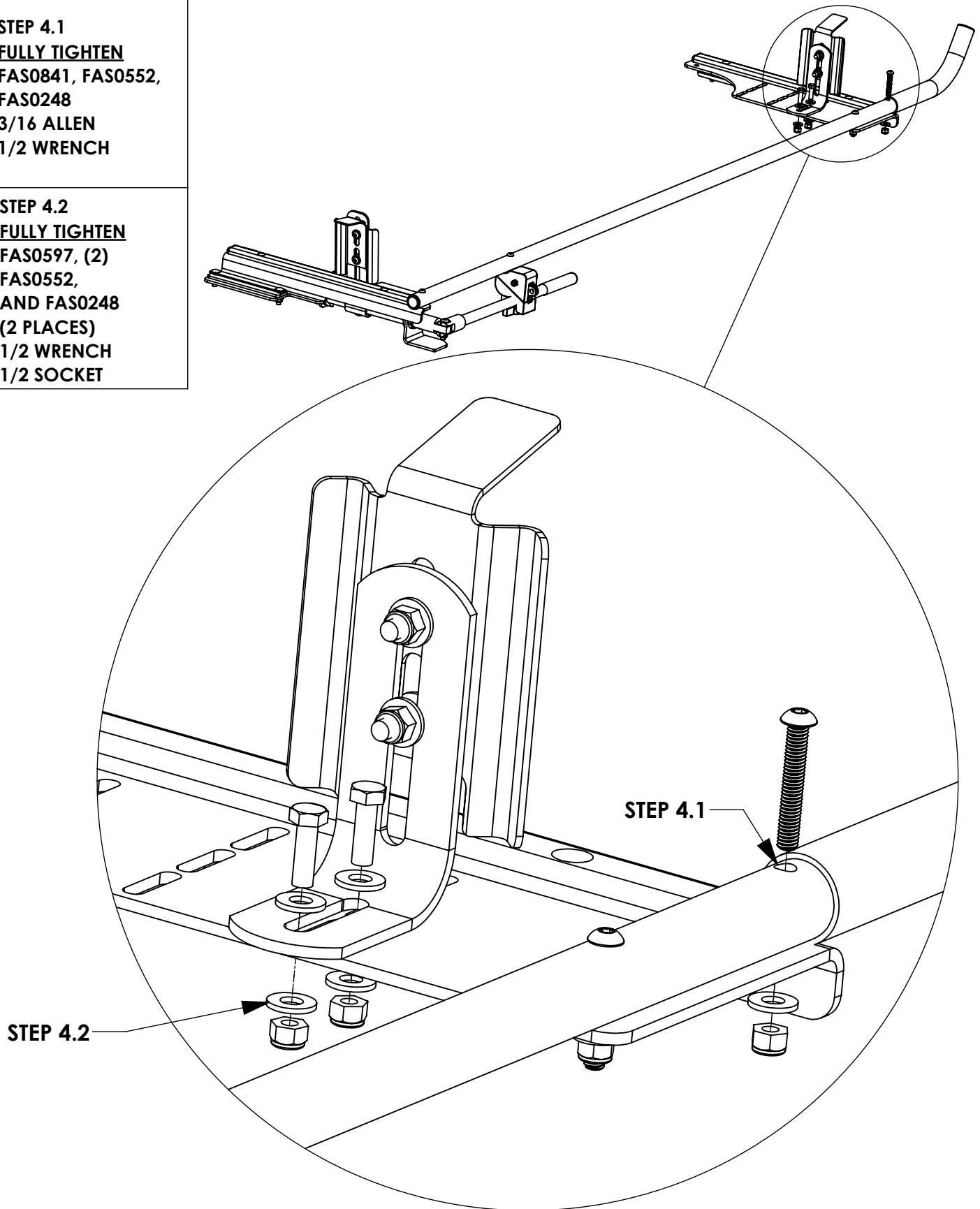


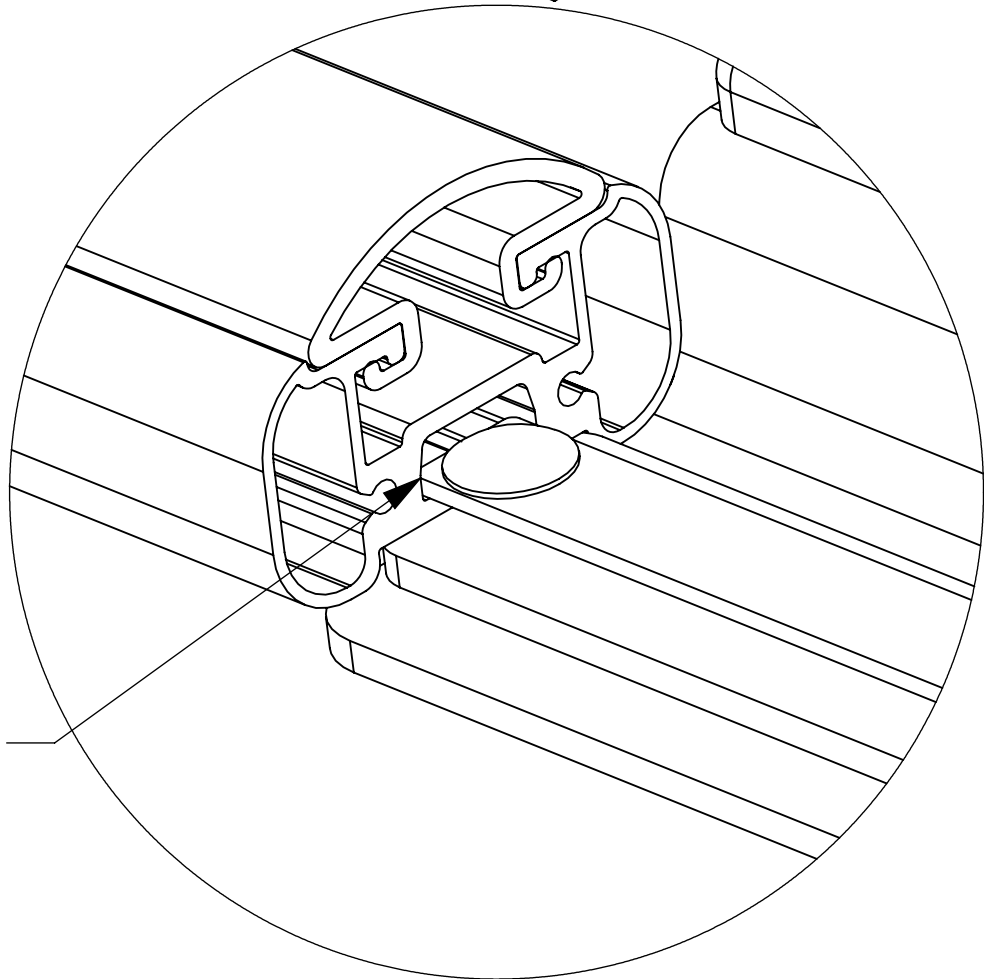
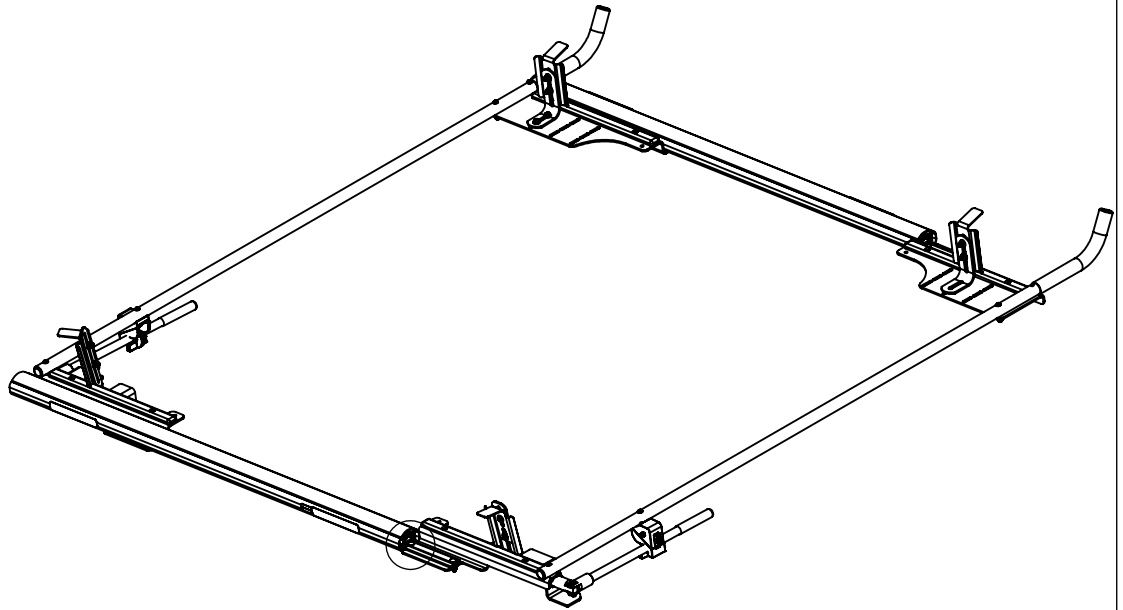
STEP 2.1

STEP 3 - ASSEMBLE FRONT STOP AND HORN

STEP 4.1
FULLY TIGHTEN
FAS0841, FAS0552,
FAS0248
3/16 ALLEN
1/2 WRENCH

STEP 4.2
FULLY TIGHTEN
FAS0597, (2)
FAS0552,
AND FAS0248
(2 PLACES)
1/2 WRENCH
1/2 SOCKET



STEP 4 - INSTALL GRIP LOCK INTO CROSSBOW**IF SHIP THRU FINAL DEALER SKIP THIS STEP. RACK IS ALREADY ON VEHICLE****STEP 5.1**
B.2
SLIDE GRIP LOCK
INTO CROSSBOW**LEAVE FASTENERS**
LOOSE FOR
ADJUSTING RACK
ONCE ON VEHICLE**STEP 5.2**
INSTALL MOUNTING
FEET ONTO
CROSSBOW
(REFERENCE
MOUNTING KIT
INSTRUCTIONS)**STEP 5.3**
SLIDE GRIP LOCK
OUT SO IT IS
TOUCHING
MOUNTING FEET AND
FULLY TIGHTEN
FASTENERS**Step 5.1****GRIP LOCK INSTALLATION IS COMPLETE!!!**



Driver Side Grip-Lock Kit, Full Size Van



PRODUCT WEIGHT
37.7 LBS

WIDTH x DEPTH x HEIGHT
22" x 88" x 11"

CAPACITY
N/A

COLOR
WHITE/BLACK

CATALOG NUMBER
GL-FSVDS

PRODUCT FEATURES

Driver side kit PROFILE™ Grip-Lock and combo ladder racks. Works with all conduit kits.

Works on GM Express/Savana, Ford Transit Low Roof, and Nissan NV Low Roof vans. Not recommended for Medium Roof, High Roof, Ram Promaster Low Roof, or Mercedes Sprinter Low Roof vans.

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

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

PAGE 1 of 2

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CATALOG NUMBER GL-FSVDS

PRODUCT APPLICATION

Driver side kit PROFILE™ Grip-Lock and combo ladder racks. Works with all conduit kits. Works on GM Express/Savana, Ford Transit Low Roof, and Nissan NV Low Roof vans. Not recommended for Medium Roof, High Roof, Ram Promaster Low Roof, or Mercedes Sprinter Low Roof vans.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

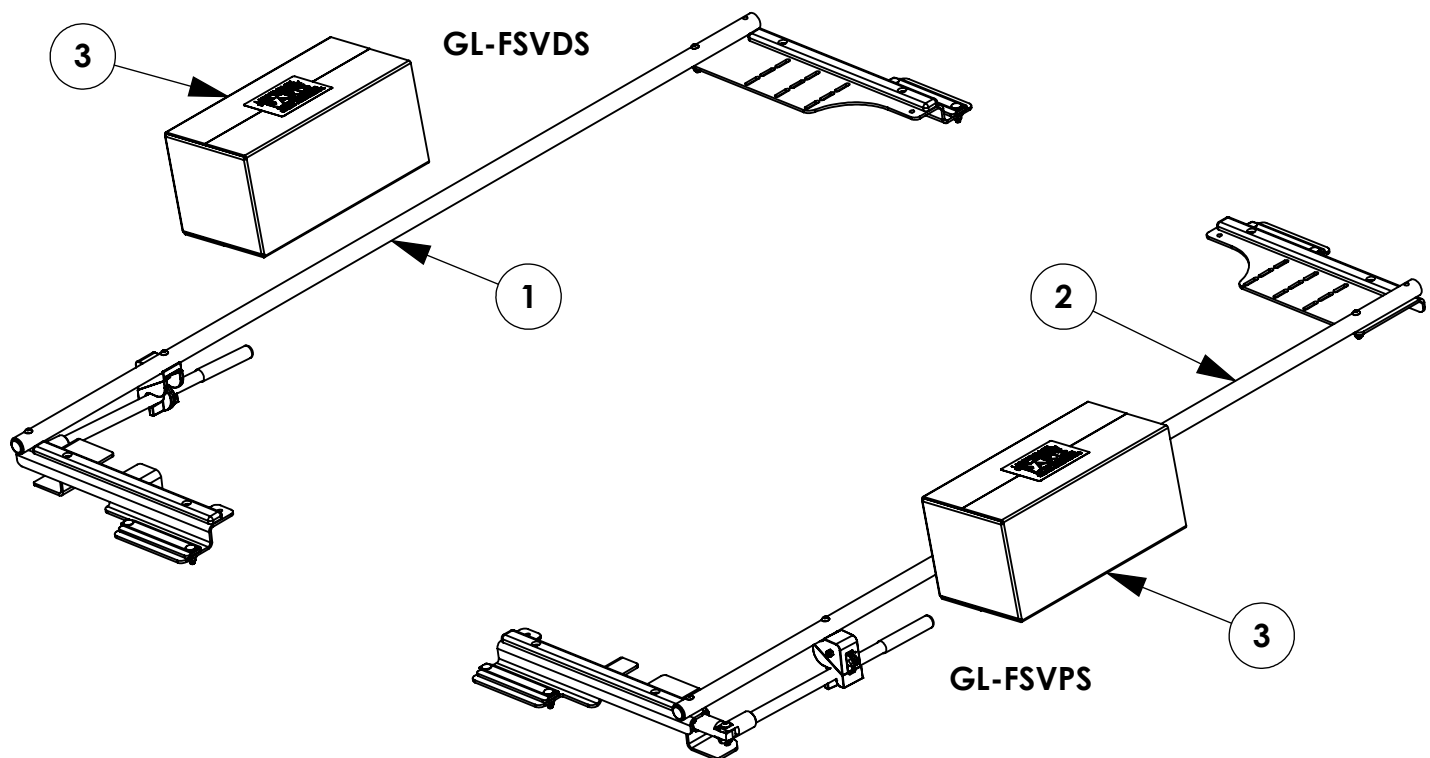
CATALOG NUMBER	DESCRIPTION
2BARW	2-Crossbar Kit, 68", White, Full Size Van
2BARCW	2-Crossbar Kit, 58", White, Minivan
1BARW	Single Crossbar Kit, 68", White, Full Size Van
1BARCW	Single Crossbar Kit, 58", White, Minivan

INSTR. : 70691 NUMBER	PG: 1	REV: B	ITEM NO.	PART NUMBER	DESCRIPTION	GL-FSVDS	GL-FSVPS
PART . GL-FSVDS NUMBER . GL-FSVPS			1	69445	GRIP LOCK FSV, ASM DS	1	-
			2	69444	GRIP LOCK FSV, ASM PS	-	1
PART . GL FULL SIZE VEHICLE DS DESC. . GL FULL SIZE VEHICLE PS			3	66373	GRIP LOCK BRKTS & HORN	1	1

NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

-GL-FSVDS
-GL-FSVPS
-GL-FSVPSB
-GL-FSVDSB

**NOTE: 66357, 69444, & 69445 ARE AVAILABLE IN BLACK VARIANTS
- FOR THEIR IDENTIFICATION, ADD THE "-B" SUFFIX TO THE END OF THE PART NUMBER**



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

TOOLS NEEDED:
1/2" SOCKET
1/2" WRENCH
9/16" SOCKET
3/16" ALLEN WRENCH
DRIVE RATCHET
IMPACT DRIVER

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.

PAGE:

3

FASTENERS USED
BAG REFERENCE:

NO FASTENER BAG
ALL FASTENERS INCLUDED IN ASSEMBLY

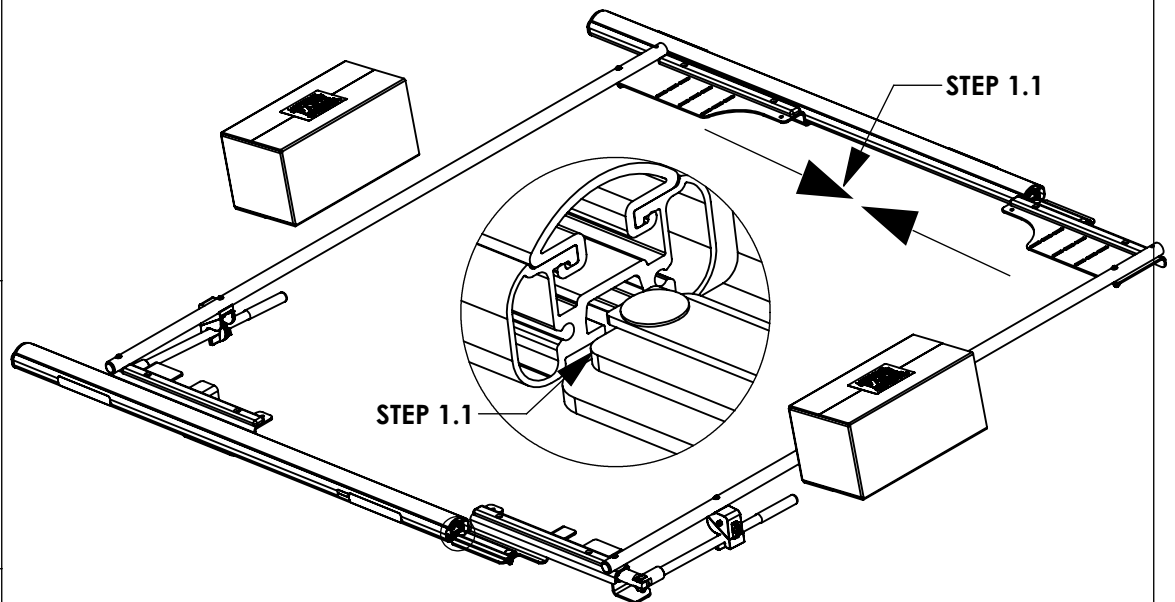
STEP 1 - INSTALL GRIP LOCK FOR SHIP THRU

STEP 1.1
SLIDE GRIP LOCK
INTO CROSSBOW

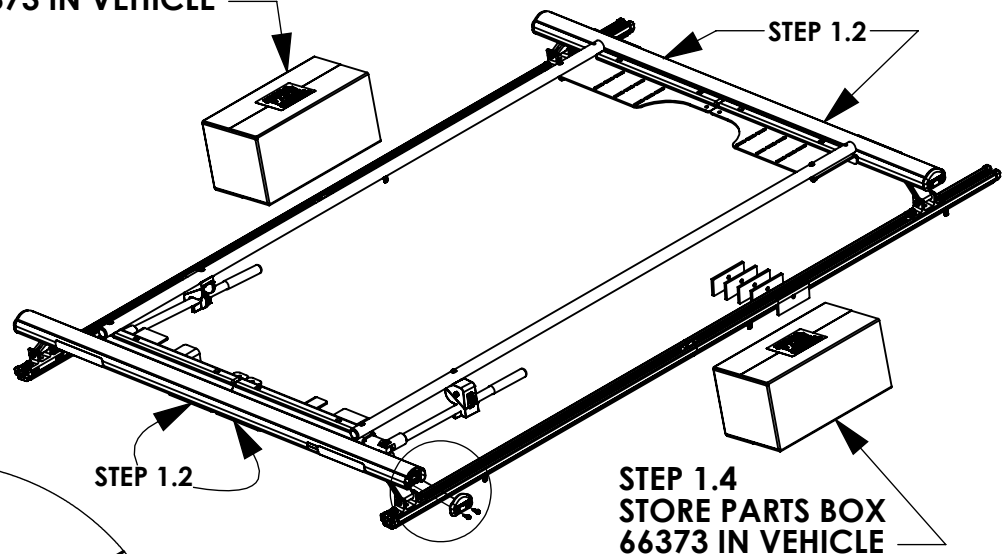
STEP 1.2
SLIDE RACKS ALL
THE WAY TO CENTER
OF CROSSBOW AND
FULLY TIGHTEN FOR
SHIP THRU
TRANSPORTATION
1/2" SOCKET

STEP 1.3
FULLY TIGHTEN
END CAPS
FAS0473, 63851
(02 PLACES PER END
CAP)
5/16" SOCKET

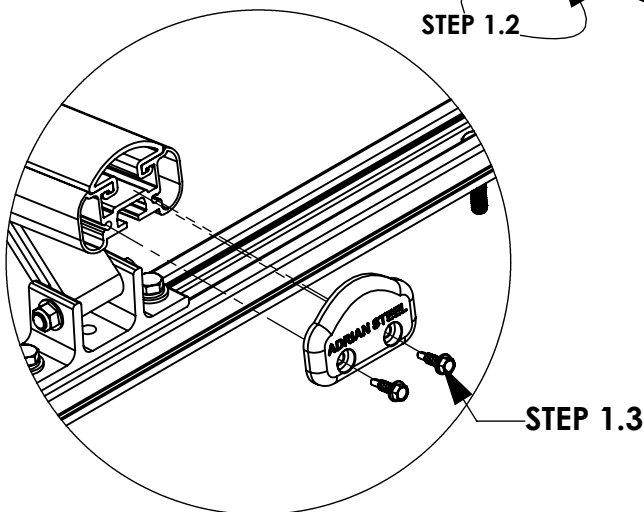
STEP 1.4
STORE PARTS BOX
66373 IN VEHICLE
FOR FINAL INSTALL
(1 BOX FOR SINGLE,
2 BOXES FOR
DOUBLE)



STEP 1.4
STORE PARTS BOX
66373 IN VEHICLE



STEP 1.4
STORE PARTS BOX
66373 IN VEHICLE



CHECK THAT ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE



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 galvanized 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.



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

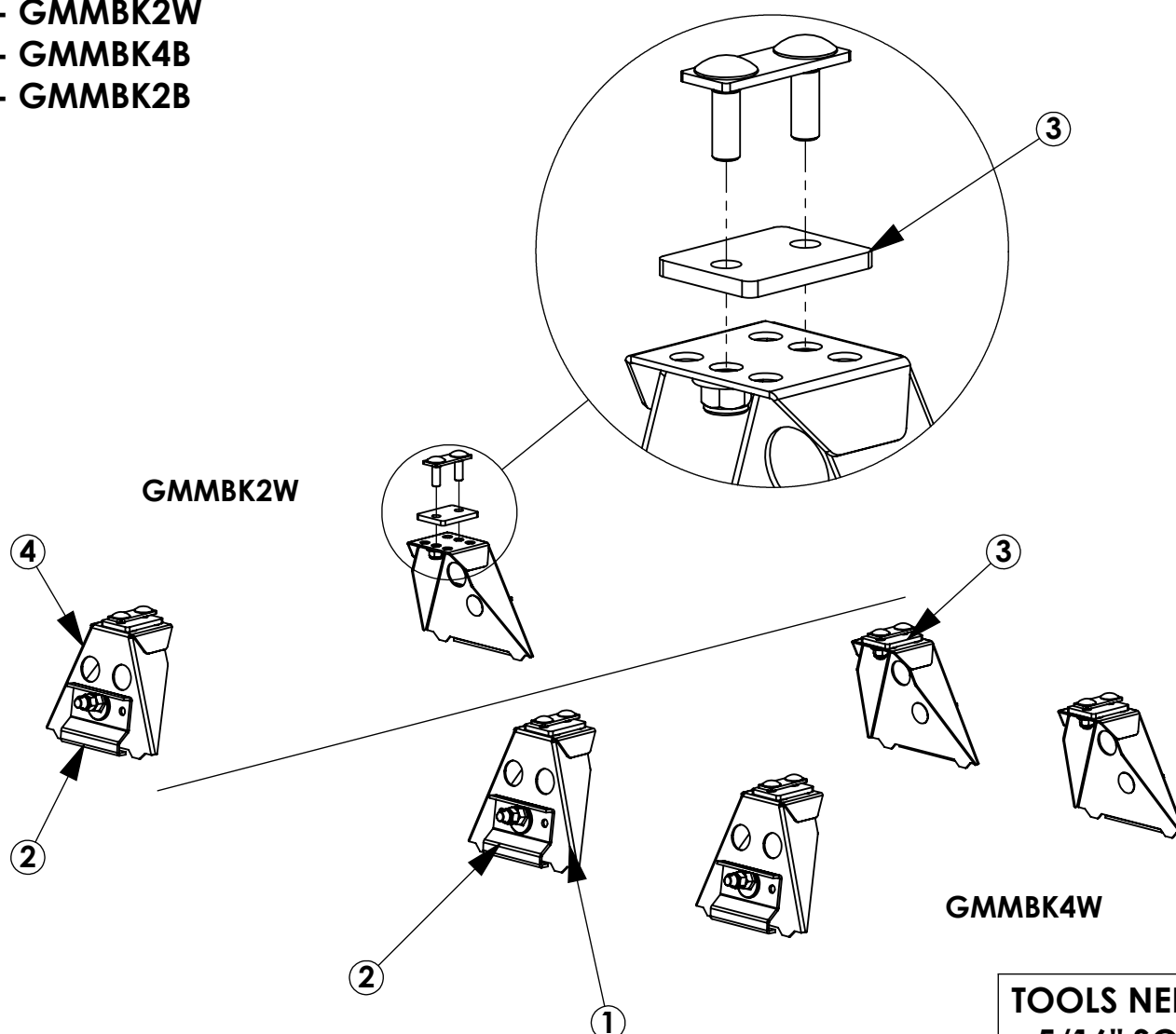
CONFIGURATION	RACK HEIGHT
Base Rack	4"
Base + Ladder Stop	9.5"
Base + 4" Uprights	7.5"
Base + 6" Uprights	9.5"
Base + 9"/Ratchet Uprights	12.5"
Base + 4" PVC Conduit Kit	8.4"
Base + 6" PVC Conduit Kit	10.4"
Base + Aluminum Box Conduit Kit	10.5"

INSTR. NUMBER : 63458	PG: 1	REV: E	ITEM NO.	PART NUMBER	DESCRIPTION	GMMBK4W	GMMBK2W
PART NUMBER : GMMBK4			1	63856-W	UTILITY, GM MOUNT BRKT, WHITE	4	-
PART • UTILITY,MNT BKT KT,GM,2,W DESC. •			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

NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

- GMMBK4W
- GMMBK2W
- GMMBK4B
- GMMBK2B

- 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

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

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

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

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

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

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

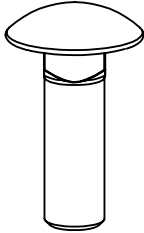
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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

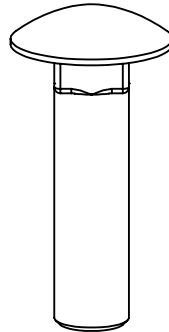
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS AND HARDWARE USED

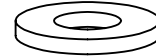
BAG REFERENCE: BAG64733



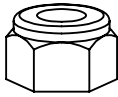
**FAS0398
5/16-18X1 SS
CRG BOLT
QTY: 8**



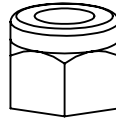
**FAS0117
3/8-16X1.5 ZN
CRG BOLT
QTY: 4**



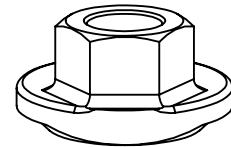
**FAS0552
5/16 SS
FLAT WASHER
QTY: 8**



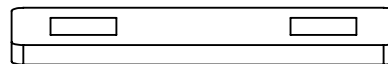
**FAS0248
5/16-18 SS
NLK HH NUT
QTY: 8**



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



**07466-0
ADJUSTING
CAM NUT
QTY: 4**



**63934
UTILITY,
BOLT PLATE
QTY: 4**

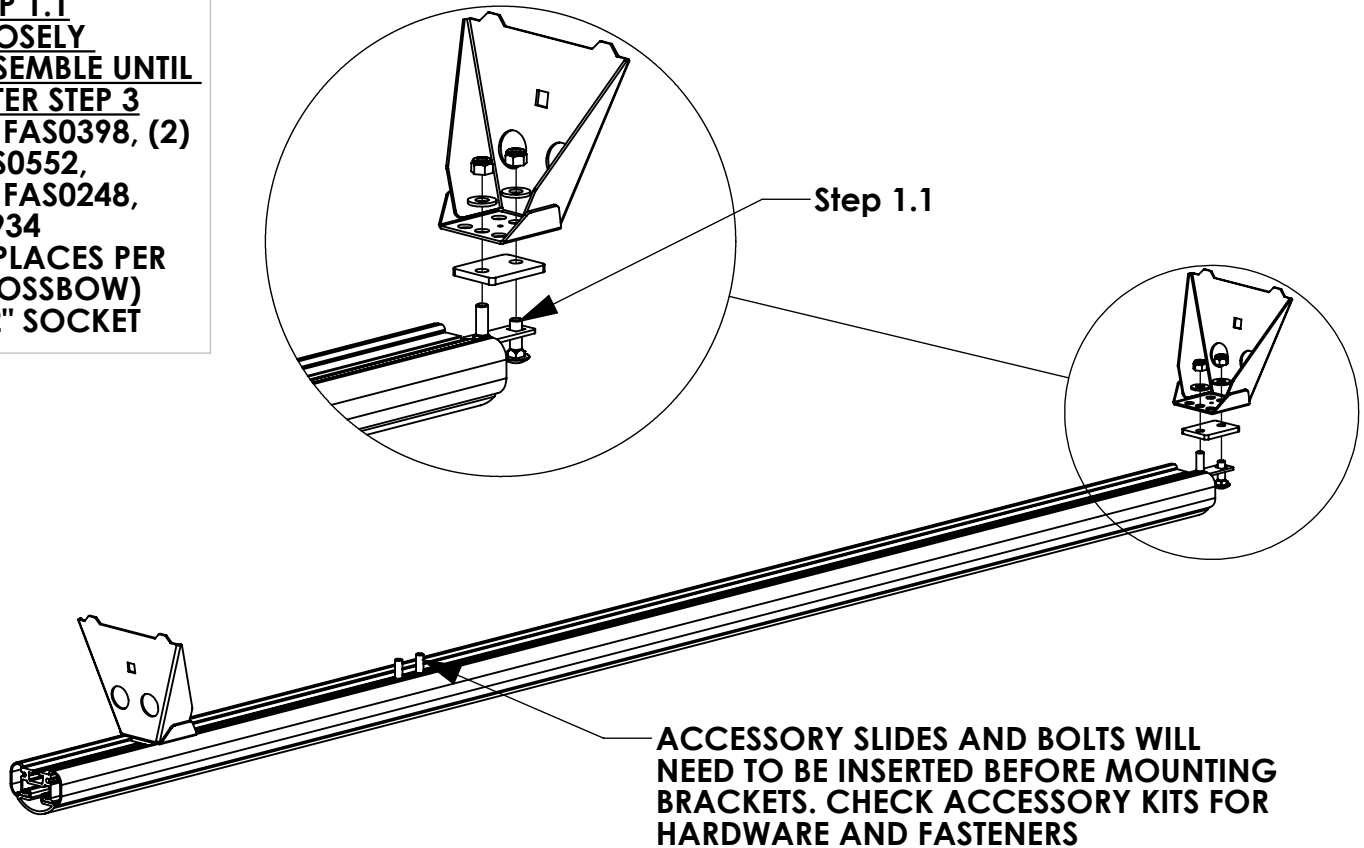
INTENTIONALLY LEFT BLANK



**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

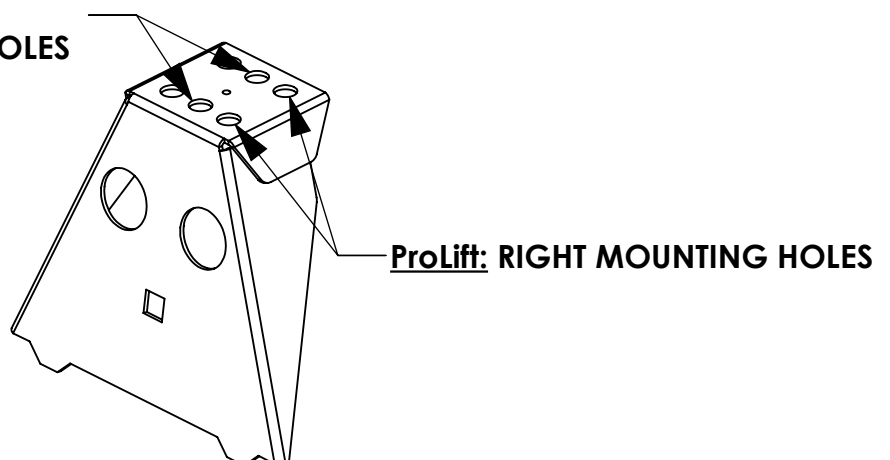
**STEP 1.1
LOOSELY
ASSEMBLE UNTIL
AFTER STEP 3
(2) FAS0398, (2)
FAS0552,
(2) FAS0248,
63934
(2 PLACES PER
CROSSBOW)
1/2" SOCKET**



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

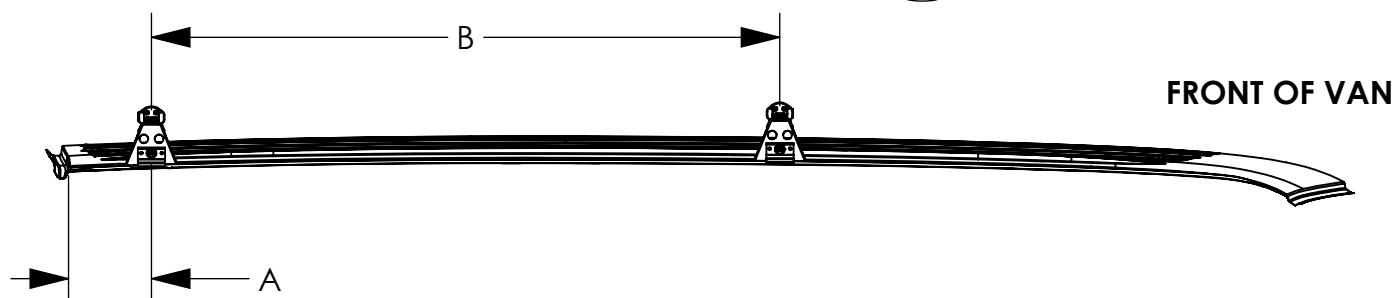
Step 2.1

DO NOT
OVERTIGHTEN
ECCENTRIC
WASHER!

IF INSTALLING A THIRD CROSSBOW:

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

CROSSBOW POSITIONING NOTES:

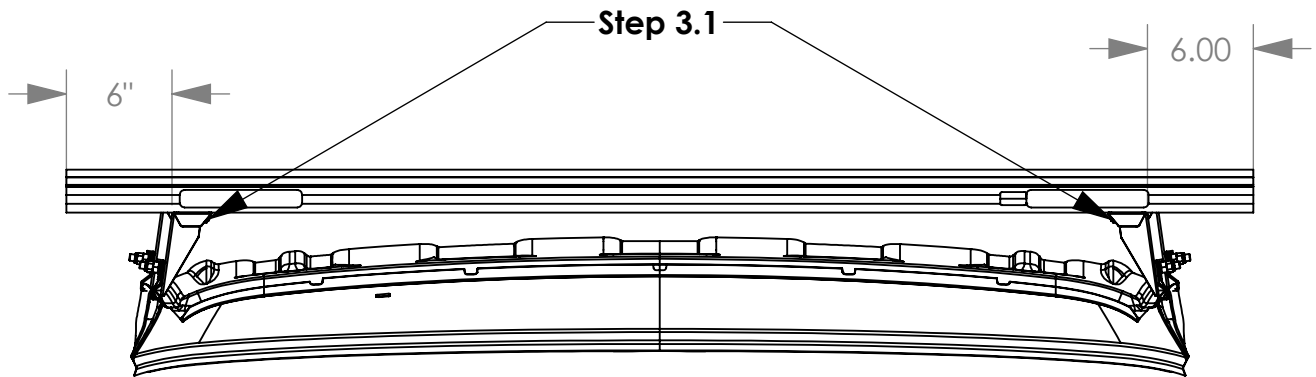


***** THESE DIMENSIONS ARE SUGGESTIONS, PLEASE**
SPACE CROSSBOWS TO BEST FIT END USER'S PRODUCT

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"

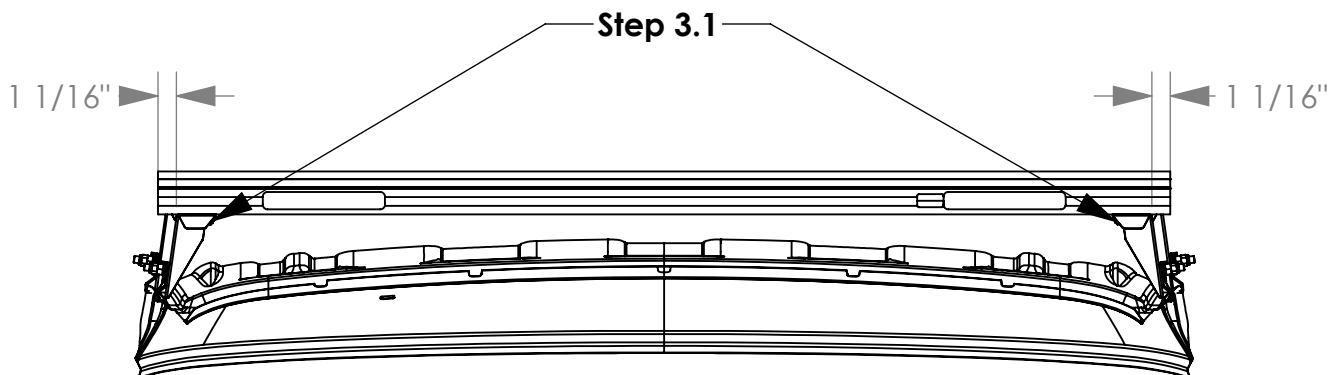
STEP 3 - SECURE CROSSBOW

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

HD UTILITY - 68 INCH CROSSBOW

MEASURE TO OUTSIDE EDGE OF MOUNTING BRACKET.

DISTANCES MAY CHANGE DUE TO LOCATION ON RAIL.

Grip-Lock / ProLift - 58 INCH CROSSBOW

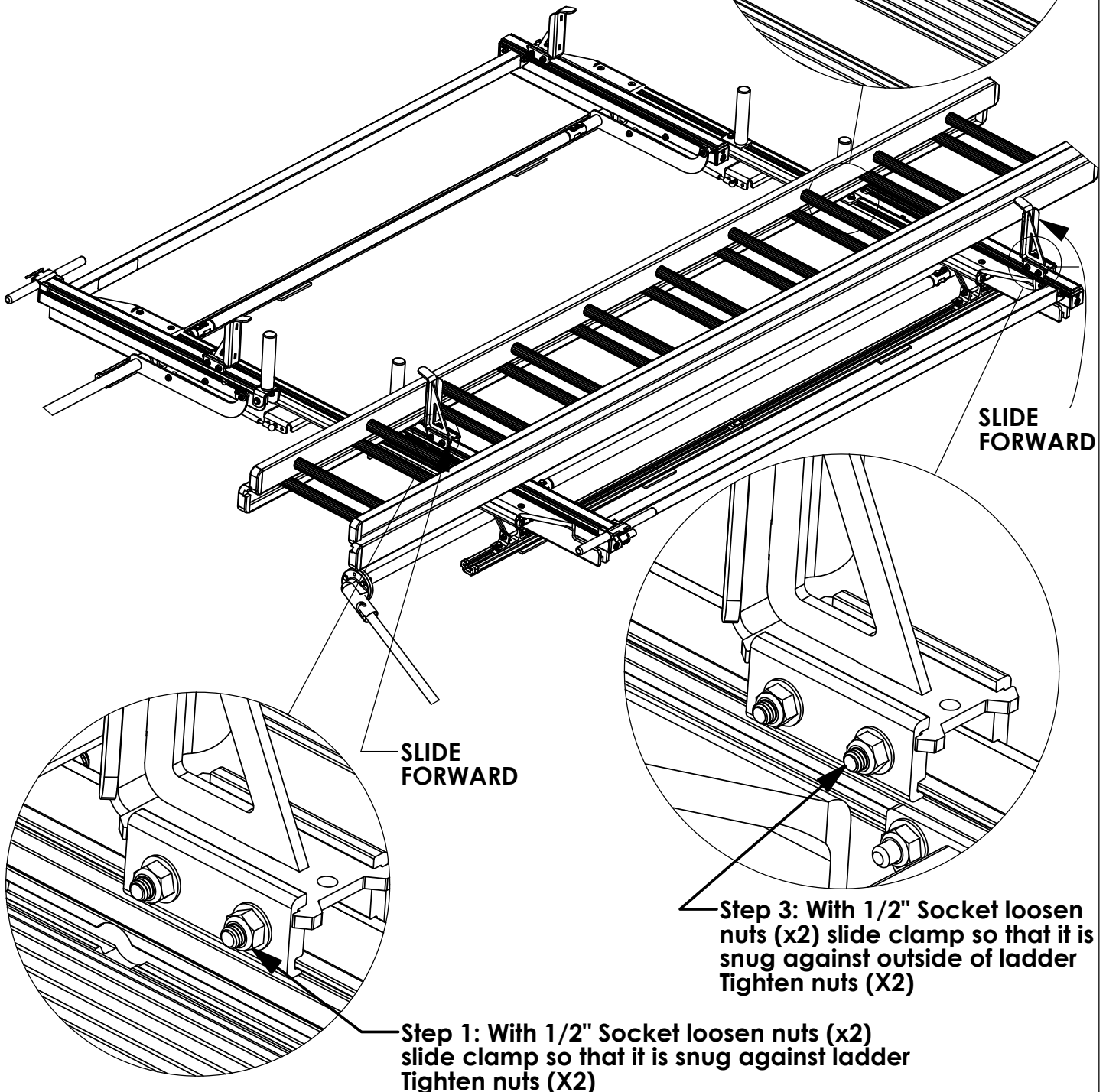
INSTR. : **69483**

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

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

PART • ProLift Low & Mid-Roof
DESC. • Adjustment Instructions

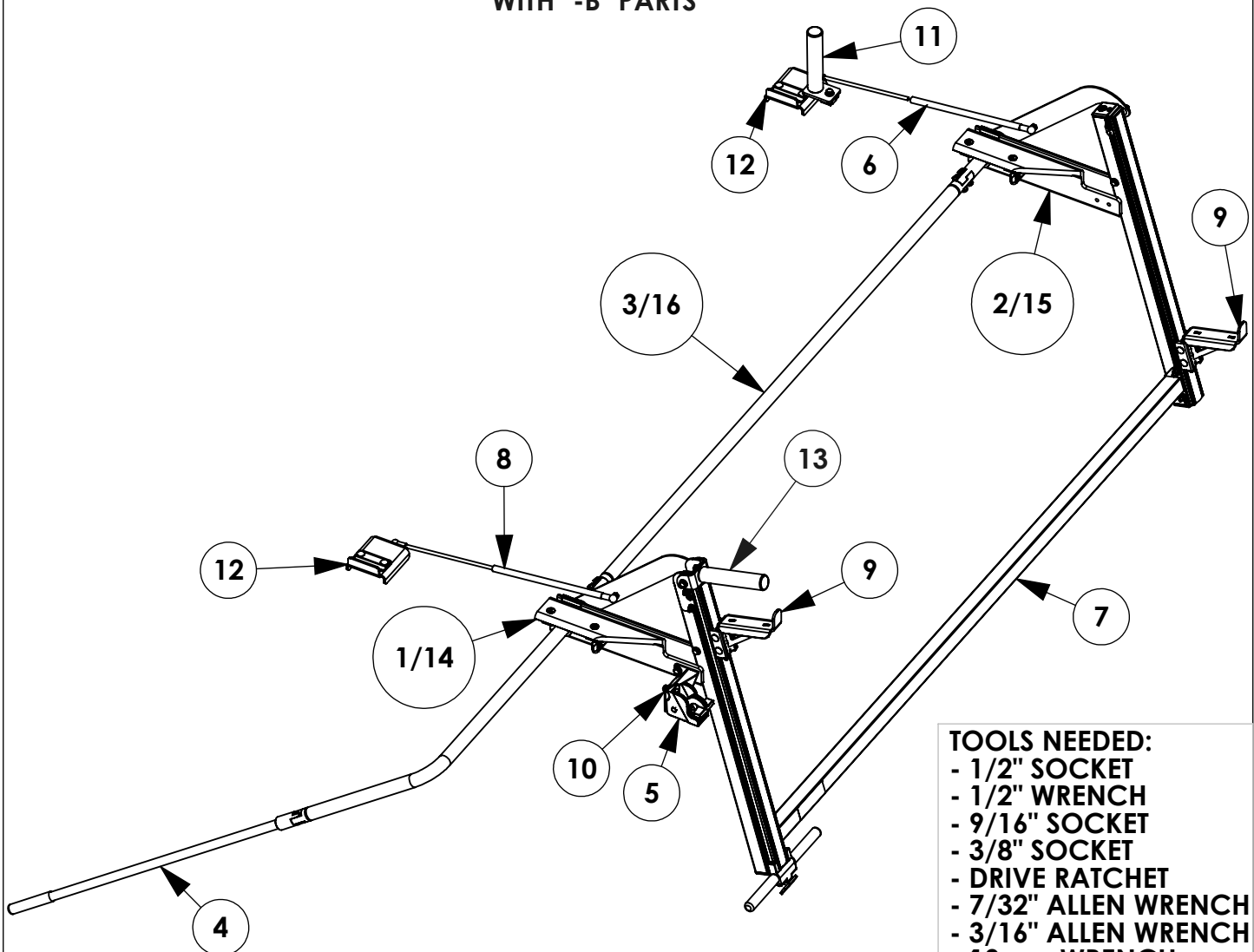
Step 2: With 1/2" Socket loosen nut, slide post so that it is snug against ladder
Tighten nut



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

INSTR. : 68495		PG: 1	REV: C	ITEM NO.	PART NUMBER	DESCRIPTION	PLMDPSLW	PLMDDSLW
PART : PLMDPSL & PLMDDSL NUMBER :				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
PART • PROLIFT,MAX,PS,LR DESC. • & PROLIFT,MAX,DS,LR				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 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 HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

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

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

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

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

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

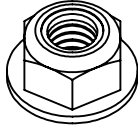
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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

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

FASTENERS AND HARDWARE USED

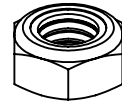
BAG REFERENCE: BAG68200 & BAG68201



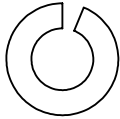
FAS0861
NUT,HEX NLK FLG 5/16-18
QTY: 20



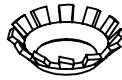
FAS0110
NUT,HEX NLK 3/8-16
QTY: 01



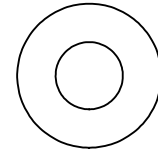
FAS0399
NUT,HEX NLK LT 3/8-16
QTY: 01



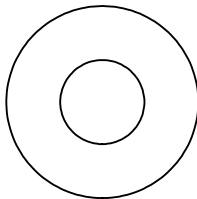
FAS0588
WASHER,LCK SPLIT 5/16
QTY: 03



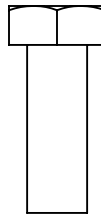
FAS0857
WASHER,LCK EXT CS 5/16
QTY: 04



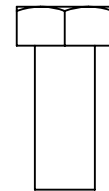
FAS0552
WASHER,FLAT USS 5/16
QTY: 09



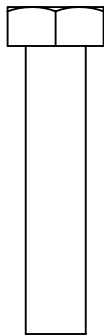
FAS0720
WASHER,FLAT USS 3/8
QTY: 01



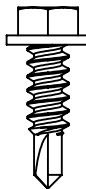
FAS0283
SCREW,HH 5/16-18X.875
QTY: 03



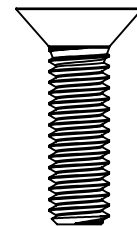
FAS0799
SCREW,HH 5/16-18X.75
QTY: 02



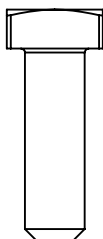
FAS0242
SCREW,HH 5/16-18X1.5
QTY: 04



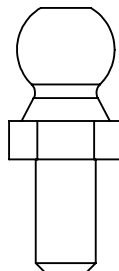
FAS0473
SCREW,HH TEK #12X.75
QTY: 04



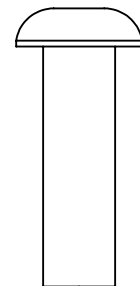
FAS0856
SCREW,FHH 5/16-18X1.13
QTY: 04



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



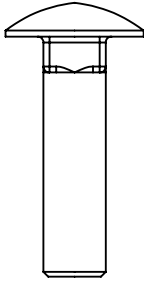
34927-0
BALL STUD 13MM X 5/16-18
QTY: 02



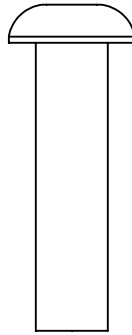
FAS0701
SCREW,BHCS 3/8-16X1.25
QTY: 01

INTENTIONALLY LEFT BLANK

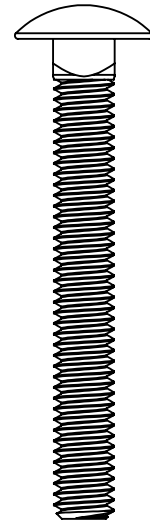
FASTENERS AND HARDWARE USED



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



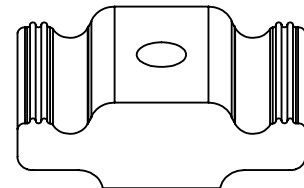
FAS0819
SCREW,BHCS 3/8-16X1.5
QTY: 01



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



64831
REAR ROLLER, SPACER
QTY: 02



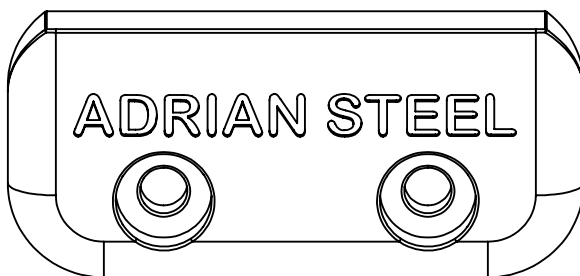
63490
RAIL SLIDE, 1"
QTY: 05



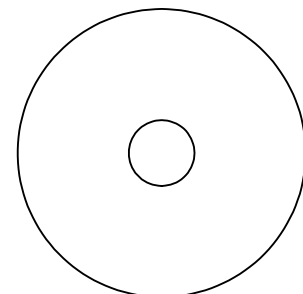
64830
REAR ROLLER, BOLT PLATE
QTY: 02



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

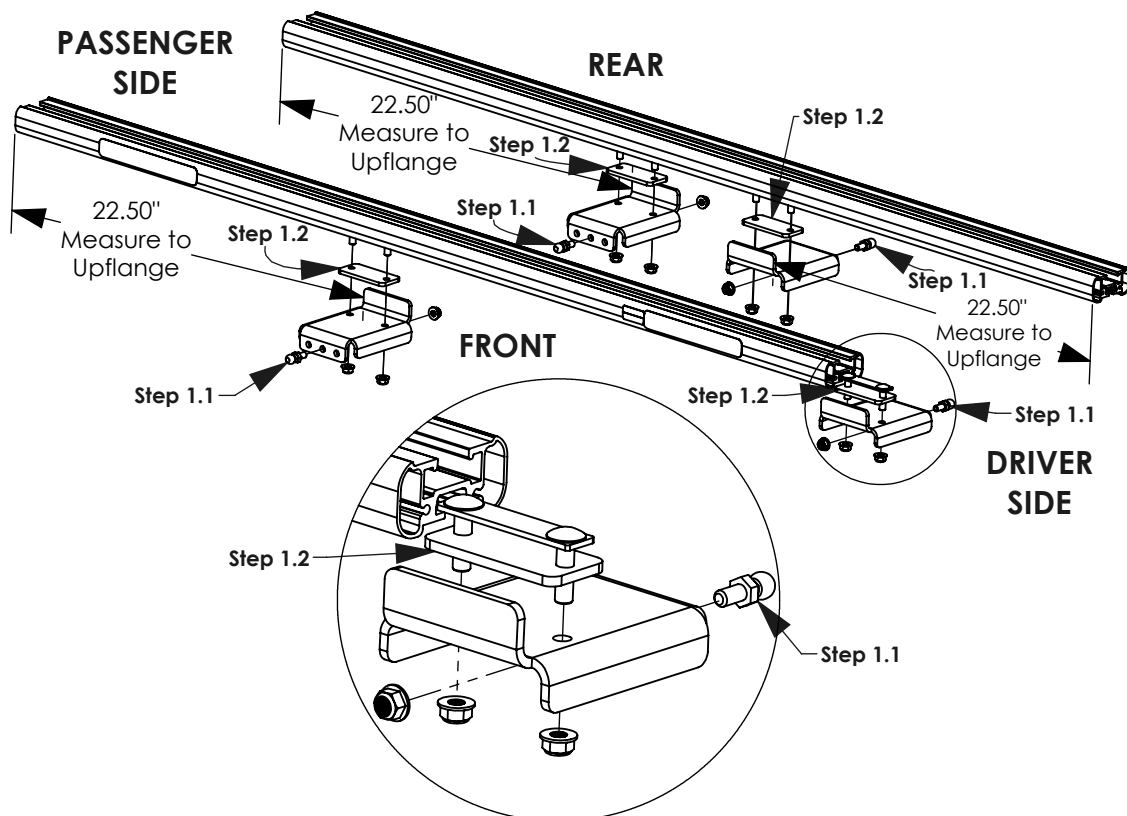
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STEP 1 - MOUNT DAMPER BRACKETS

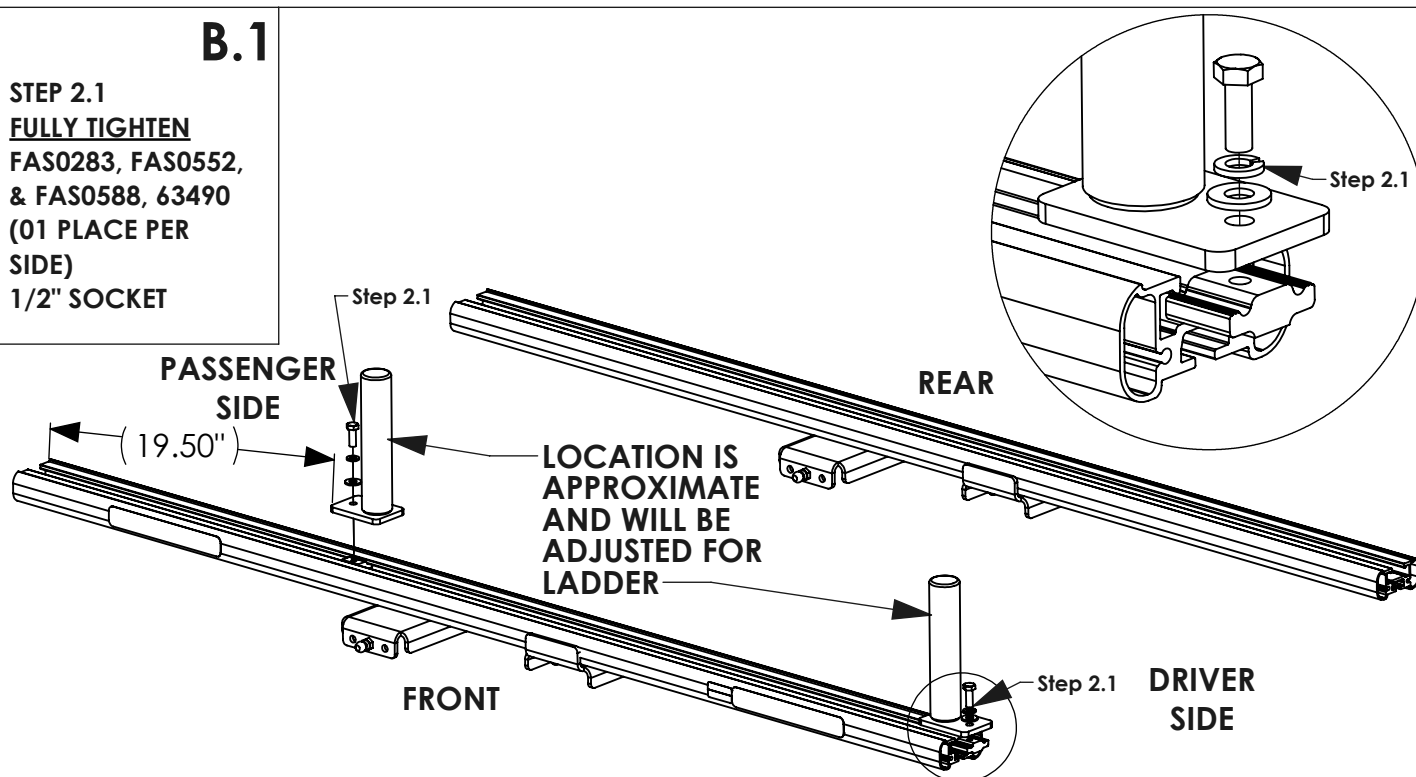
Step 1.1
FULLY TIGHTEN
34927-0 & FAS0861
(02 PLACES PER
SIDE)
13mm WRENCH
1/2" SOCKET

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

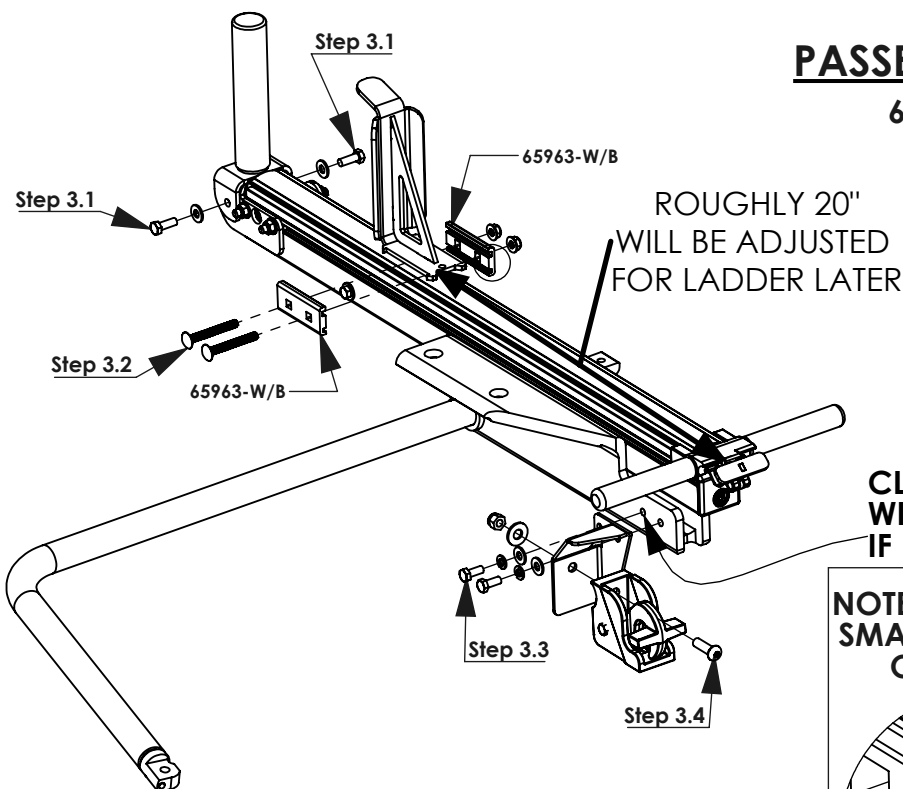
STEP 3.2
FULLY TIGHTEN
FAS0838 &
FAS0861
(02 PLACES)
1/2" SOCKET

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

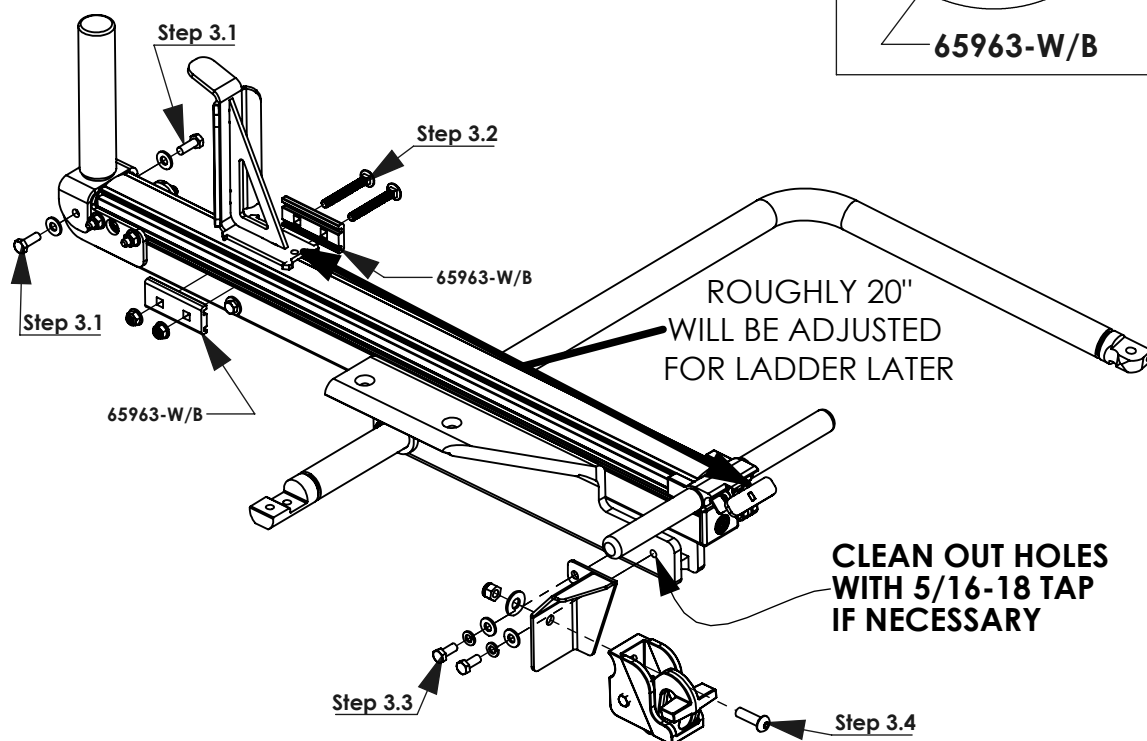
PASSENGER SIDE

68029-W/B



DRIVER SIDE

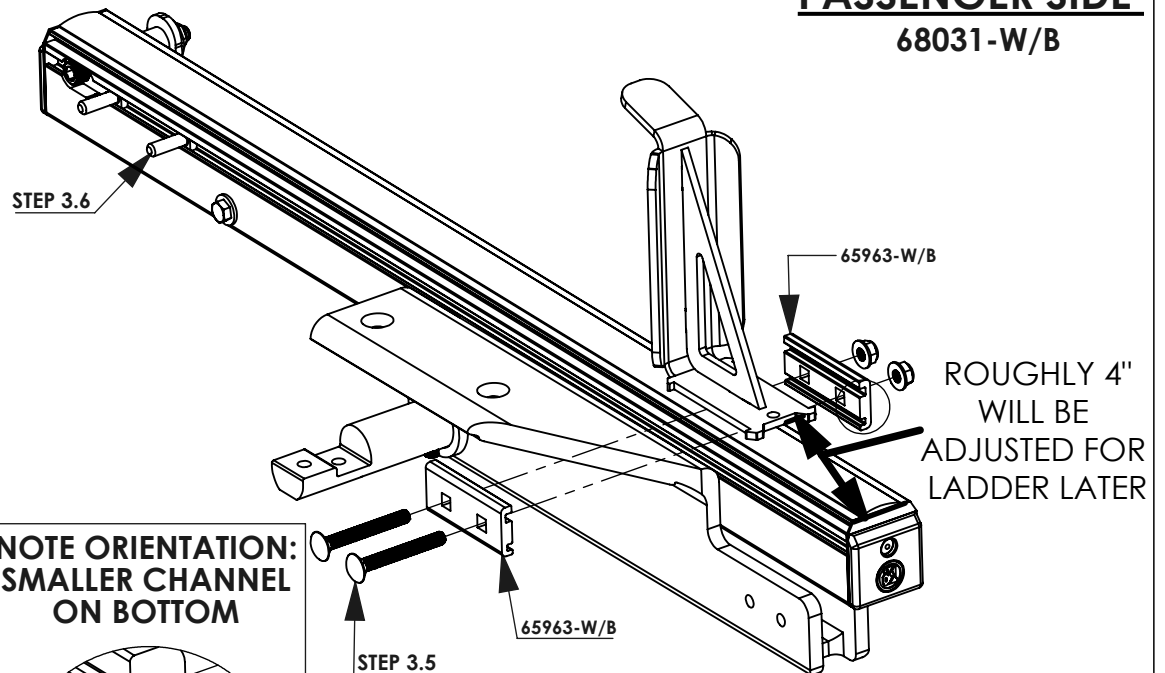
68012-W/B



FRONT SUB-ASSEMBLY**PASSENGER SIDE**

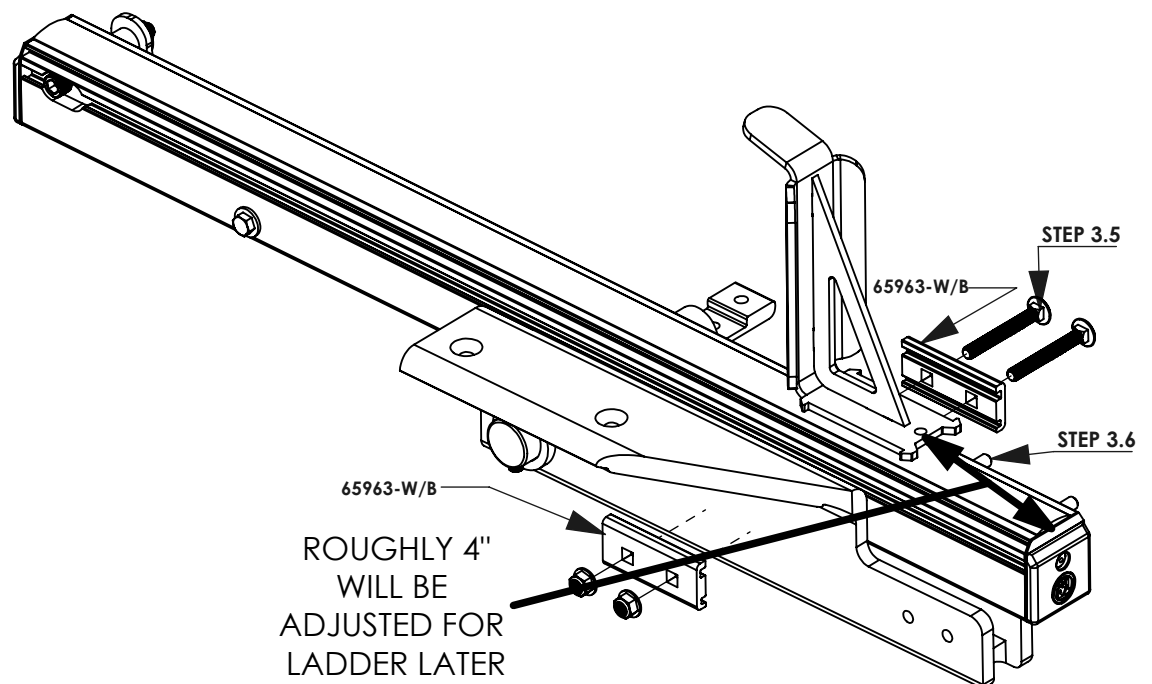
68031-W/B

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

**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

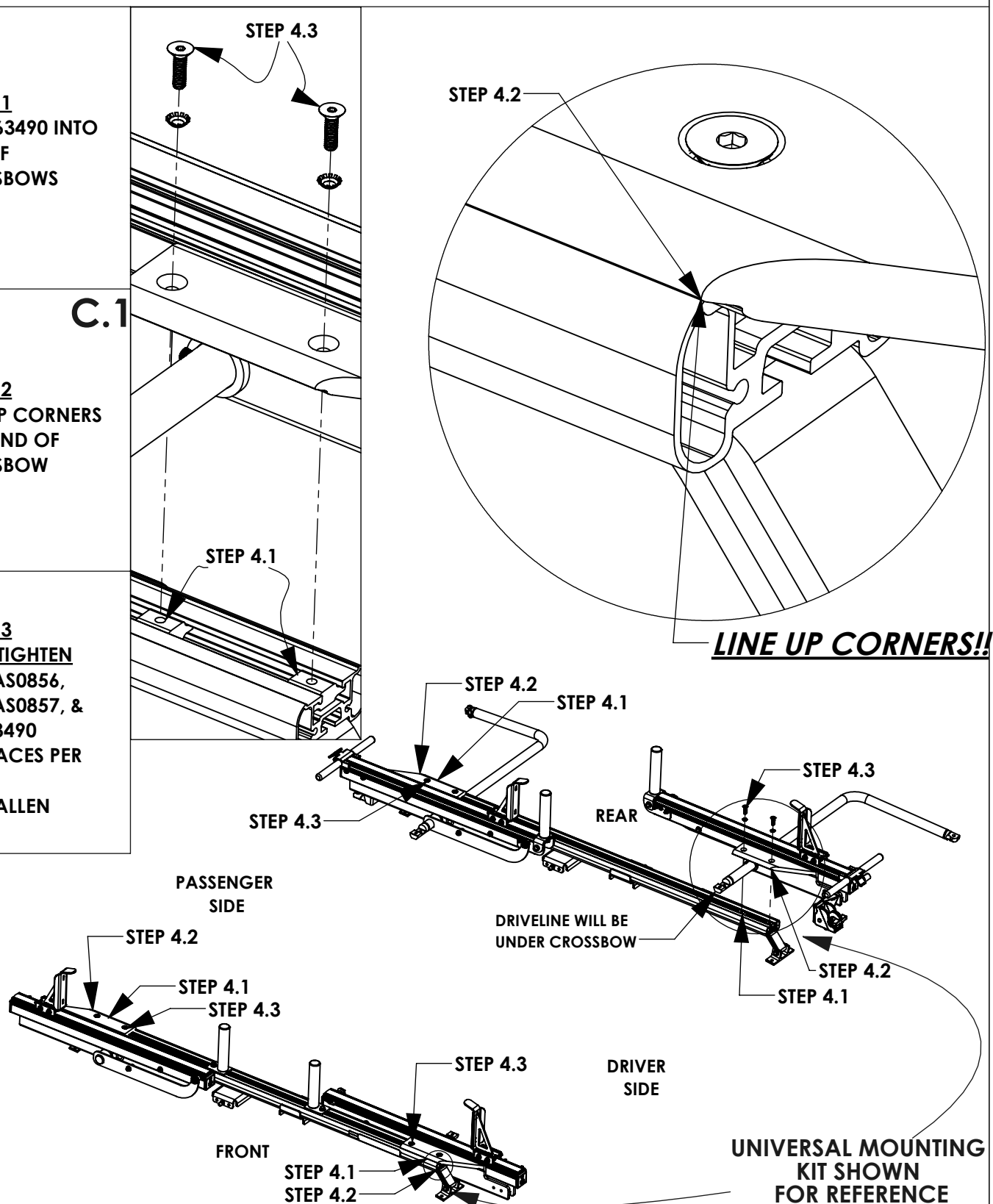
C.1

STEP 4.2

LINE UP CORNERS
WITH END OF
CROSSBOW

STEP 4.3

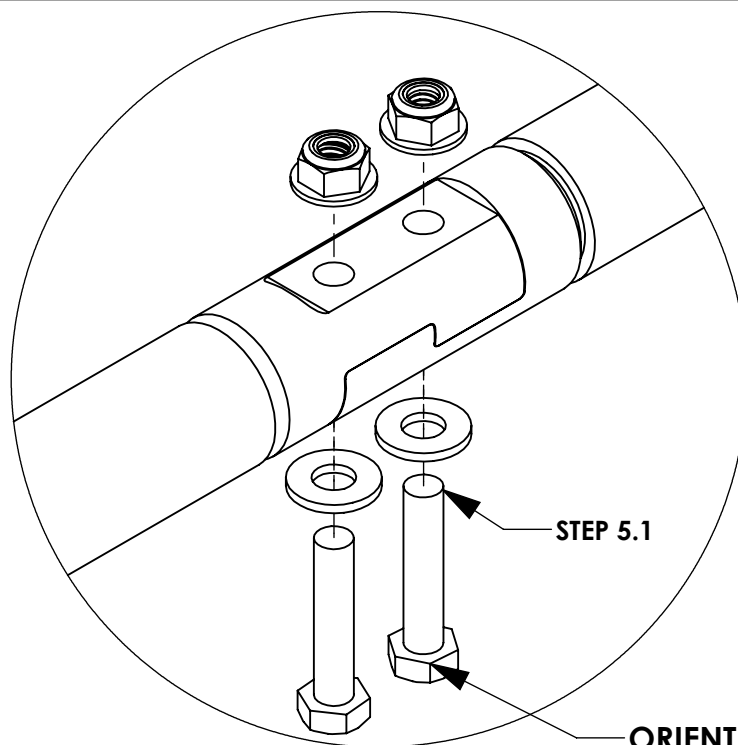
FULLY TIGHTEN
(02) FAS0856,
(02) FAS0857, &
(02) 63490
(02 PLACES PER
SIDE)
3/16" ALLEN



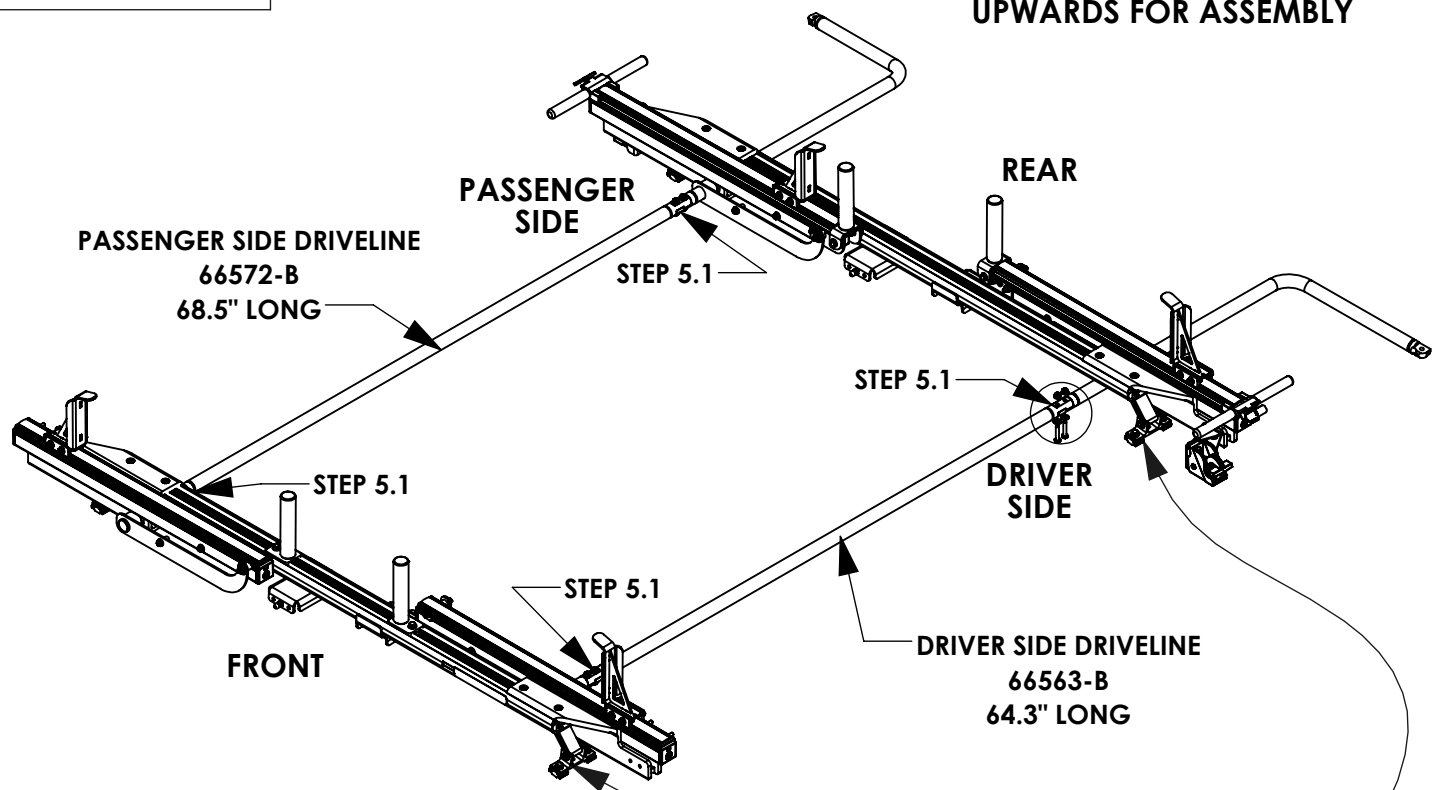
STEP 5 - INSTALL DRIVELINE

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



ORIENTATION OF BOLTS IS UPWARDS FOR ASSEMBLY



UNIVERSAL MOUNTING KIT SHOWN FOR REFERENCE

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

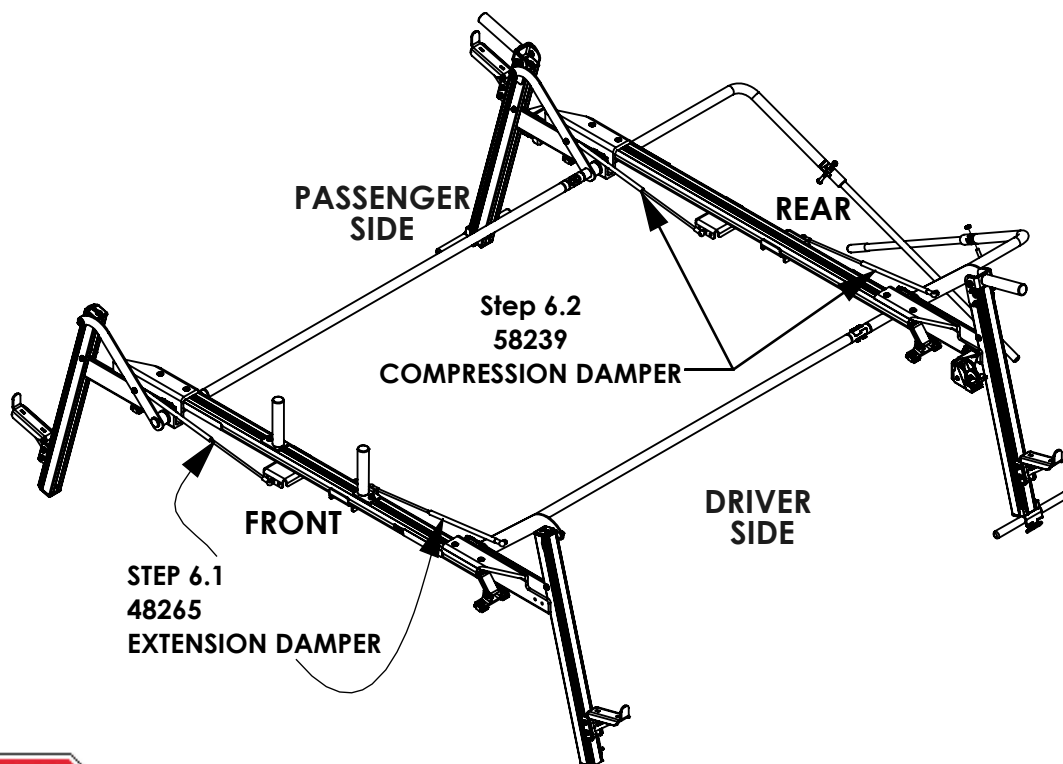
Step 6.1
ATTACH EXTENSION
DAMPERS (48625) TO
BALL STUDS.

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

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

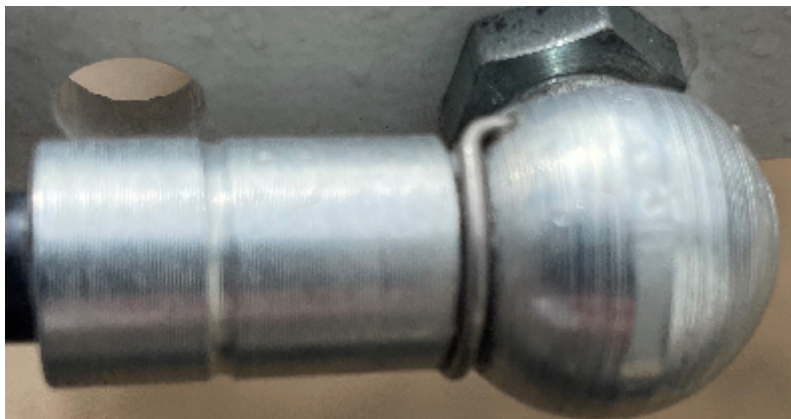
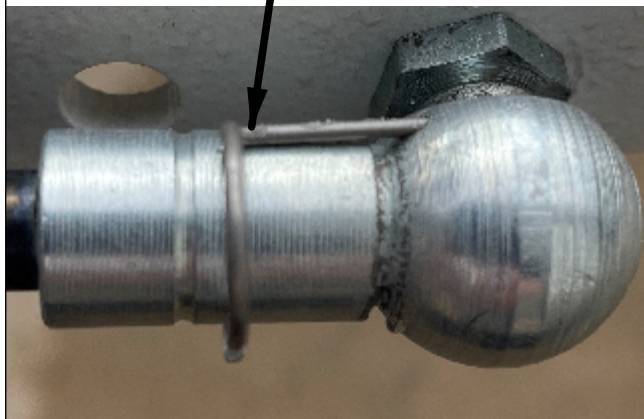
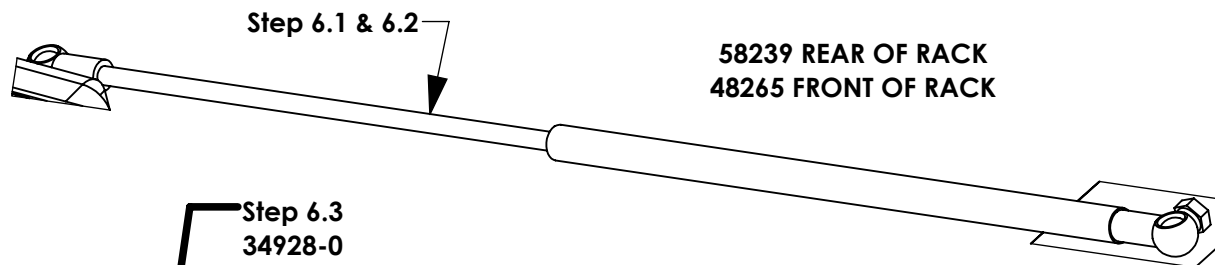
ORIENTATION OF
DAMPER MATTERS!!!
(01 PLACE PER SIDE)

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



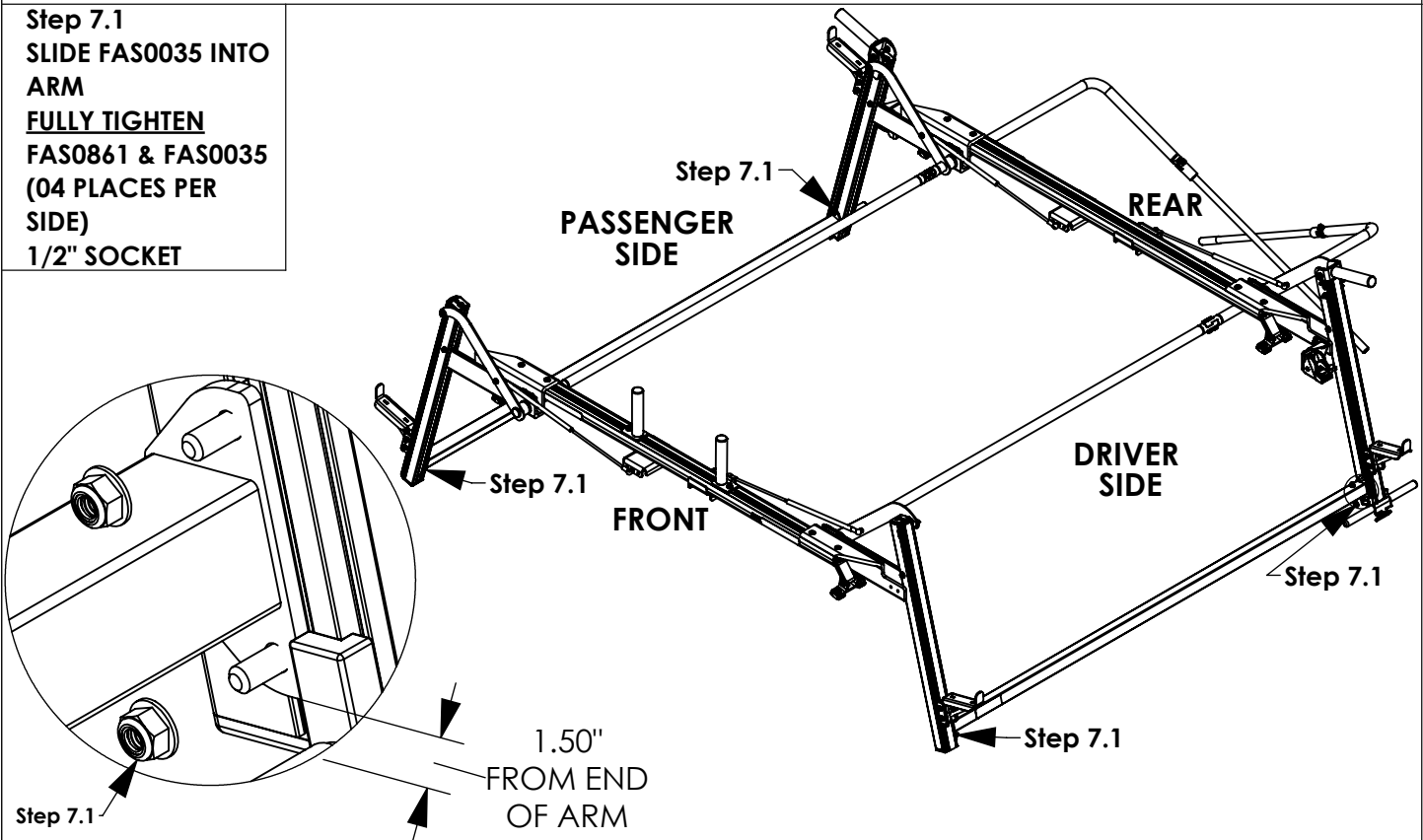
ORIENTATION OF DAMPER MATTERS!!!!

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

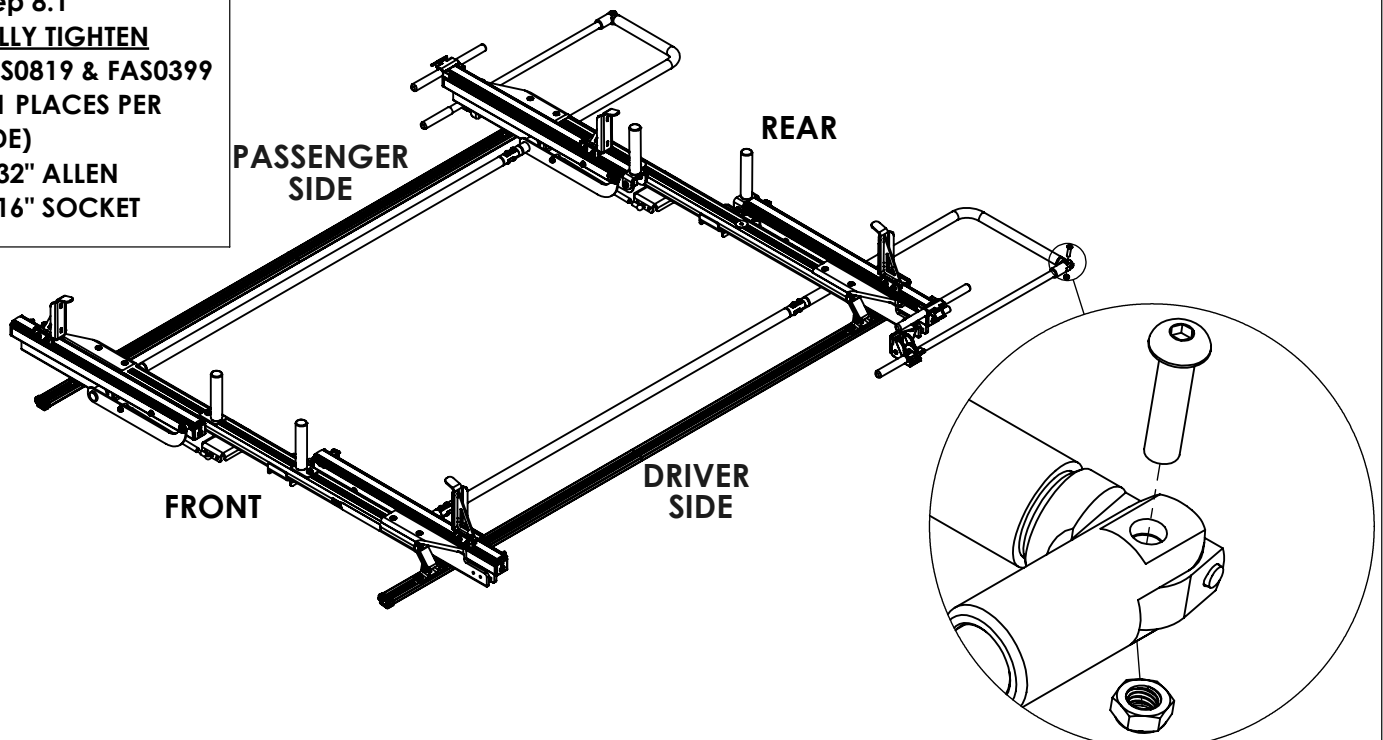


STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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

**STEP 8 - INSTALL DROP DOWN HANDLE**

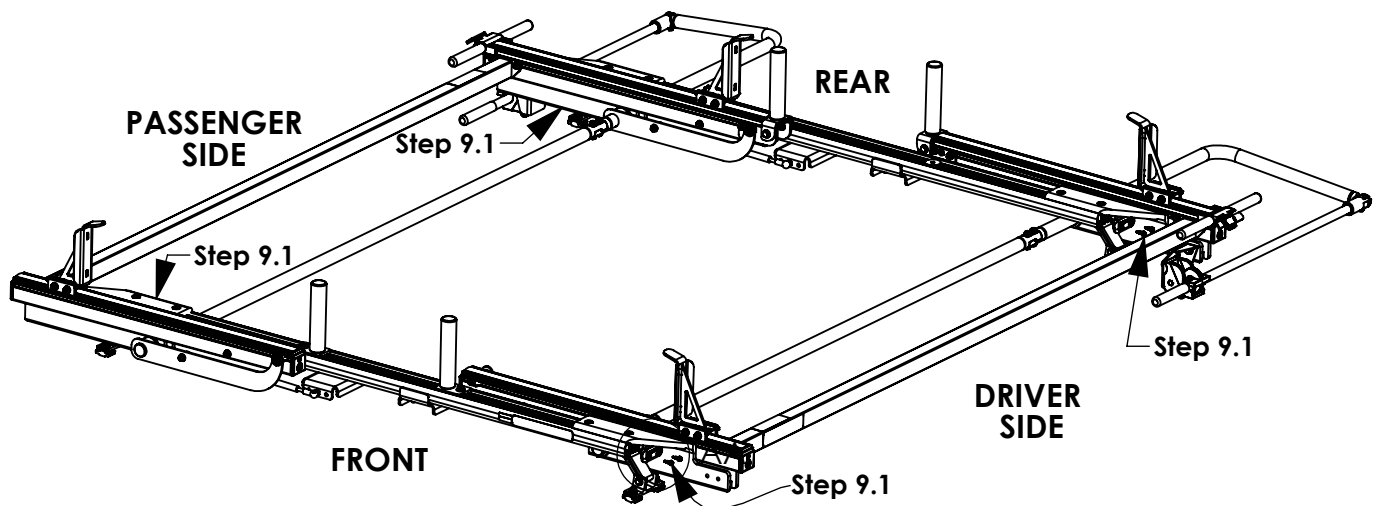
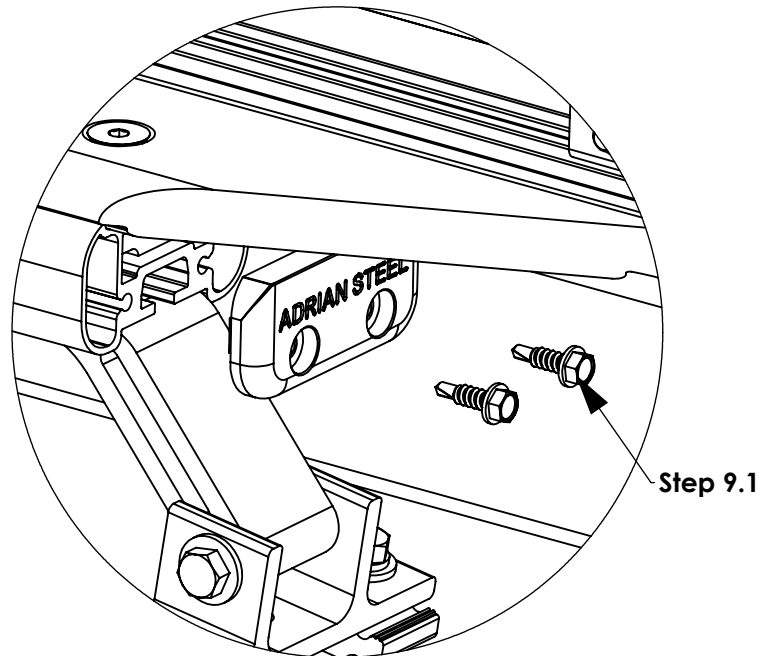
Step 8.1
FULLY TIGHTEN
FAS0819 & FAS0399
(01 PLACES PER
SIDE)
7/32" ALLEN
9/16" SOCKET



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



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.

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!

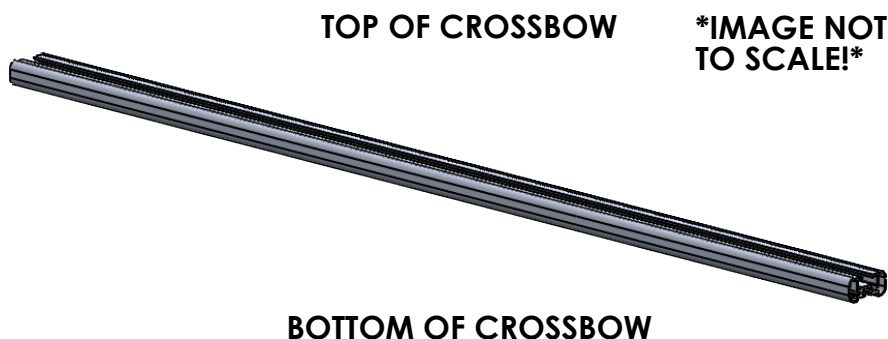


TABLE 1

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

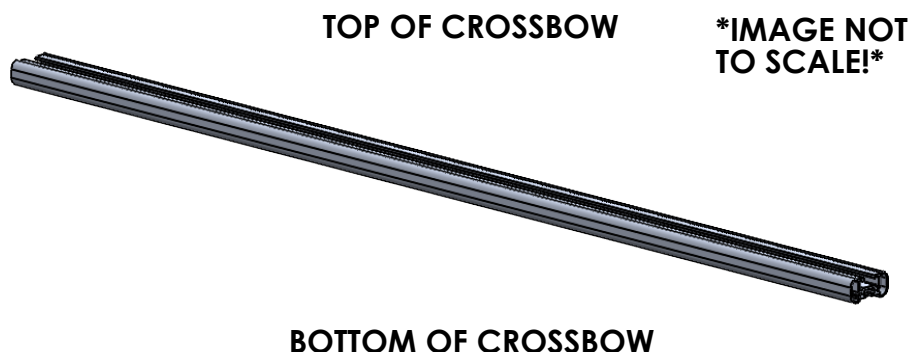
BOTTOM OF CROSSBOW

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!

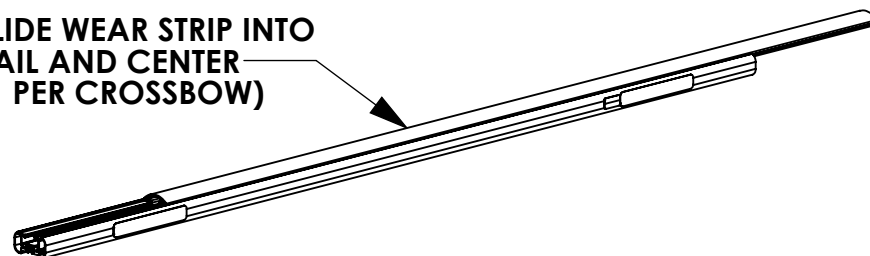


ALTER WEAR STRIP AND INSTALL ON CROSSBOW (IF APPLICABLE)! REFERENCE TABLE 3 BELOW FOR WEAR STRIP ALTERATION INSTRUCTIONS!

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.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

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

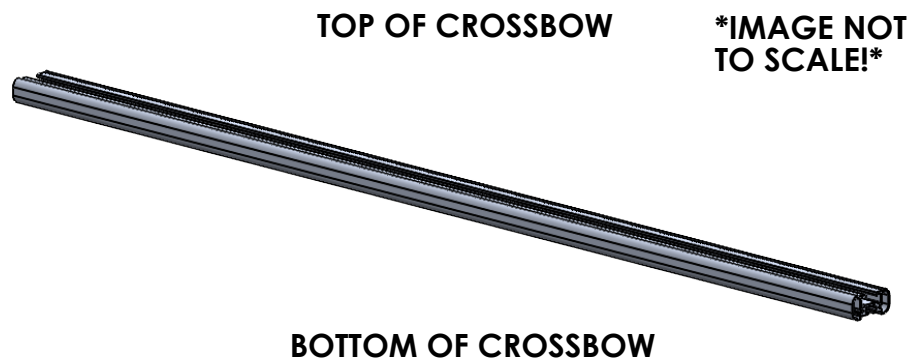


TABLE 4

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

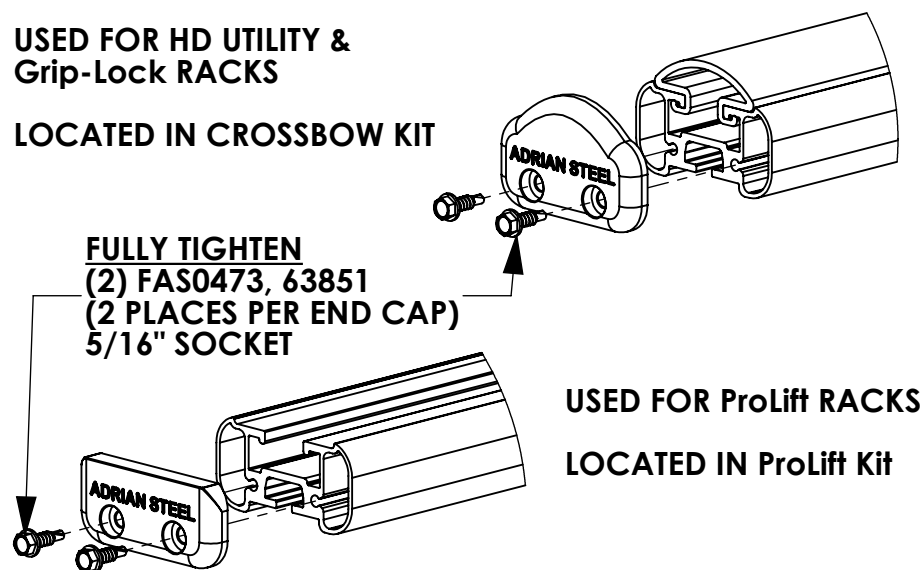
ASSEMBLY STEPS (FULL BENCH ASSEMBLY):

- 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



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)

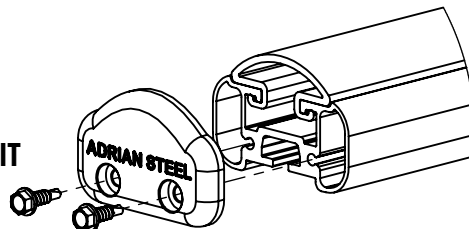
7R. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)

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

