ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles

PROLIFT STANDARD DROP DRIVERS SIDE 5' LOW TOPPER LADDER RACKS

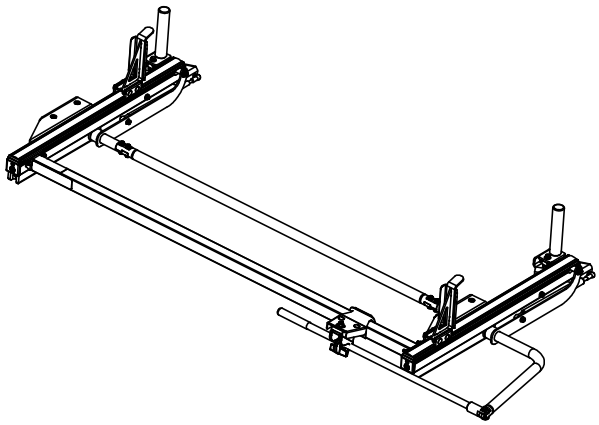
PRODUCT WEIGHT
61.0 LBS

WIDTH X DEPTH X HEIGHT
82.00" X 32.00" X4.00"

CAPACITY
SINGLE LADDER

COLOR
WHITE/BLACK

CATALOG NUMBER
PLSDDSLT5W, PLSDDSLT5B



PRODUCT FEATURES

These Prolift Std Drop, low topper racks can be used on ADRIAN STEEL BIFF, LEER, UNICOVER and ARE truck toppers with bed lenghts from 6'2" - 6'10" with appropriate rail kit, crossbow kit and mounting bracket kit. Use rail kits, crossbow kits, and mounting bracket kits listed in the table below to create new rack combinations. This rack features an attched handle.

Unicover Toppers will use roof rail kits ending in UC (Ex. 4'6" Unicvoer topper would use RRKTOP55UC)

Ignore the roof rail kit when ordering racks for ASC BIFF toppers as they ship with pre-installed rails.

The Standard-Drop ProLift™ has a single function that lowers the ladder to a single set height. Uses hook brackets to hold and secure ladders.

Commercial Part Numbers							
Vehicle Platform	Bed Length	Bed Length (in)	Roof Rail Kit	Crossbow kit	Mounting Bracket Kit	Pro-Lift (Passenger Side)	Pro-Lift (Drivers Side)
All	6'2" - 6'10"	74" - 82"	RRKTOP74/UC	2BARTOPW	URMBK4W	PLSDPSLT5	PLSDDSLT5

NOTE:CROSSBAR KIT IS DIFFERENT FOR COMBO WITH GRIPLOCK. IN THIS CASE,USE 2BAR53W/B

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

ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles

PROLIFT STANDARD DROP DRIVERS SIDE 5' LOW TOPPER LADDER RACKS

CATALOG NUMBER

PLSDDSLT5W, PLSDDSLT5B

PRODUCT APPLICATION

TOPPER PROLIFT LADDER RACKS ARE FOR USE ON PICKUP TRUCK BED TOPPERS, AVAILABLE IN 4 FT, 5 FT, AND 6 FT LENGTHS FOR ALL DIFFERENT SIZE TRUCK BEDS.

Reduce back and shoulder injuries while loading/unloading ladders by eliminating the need to climb on bumpers and tires to reach the cargo on the roof of your vehicle.

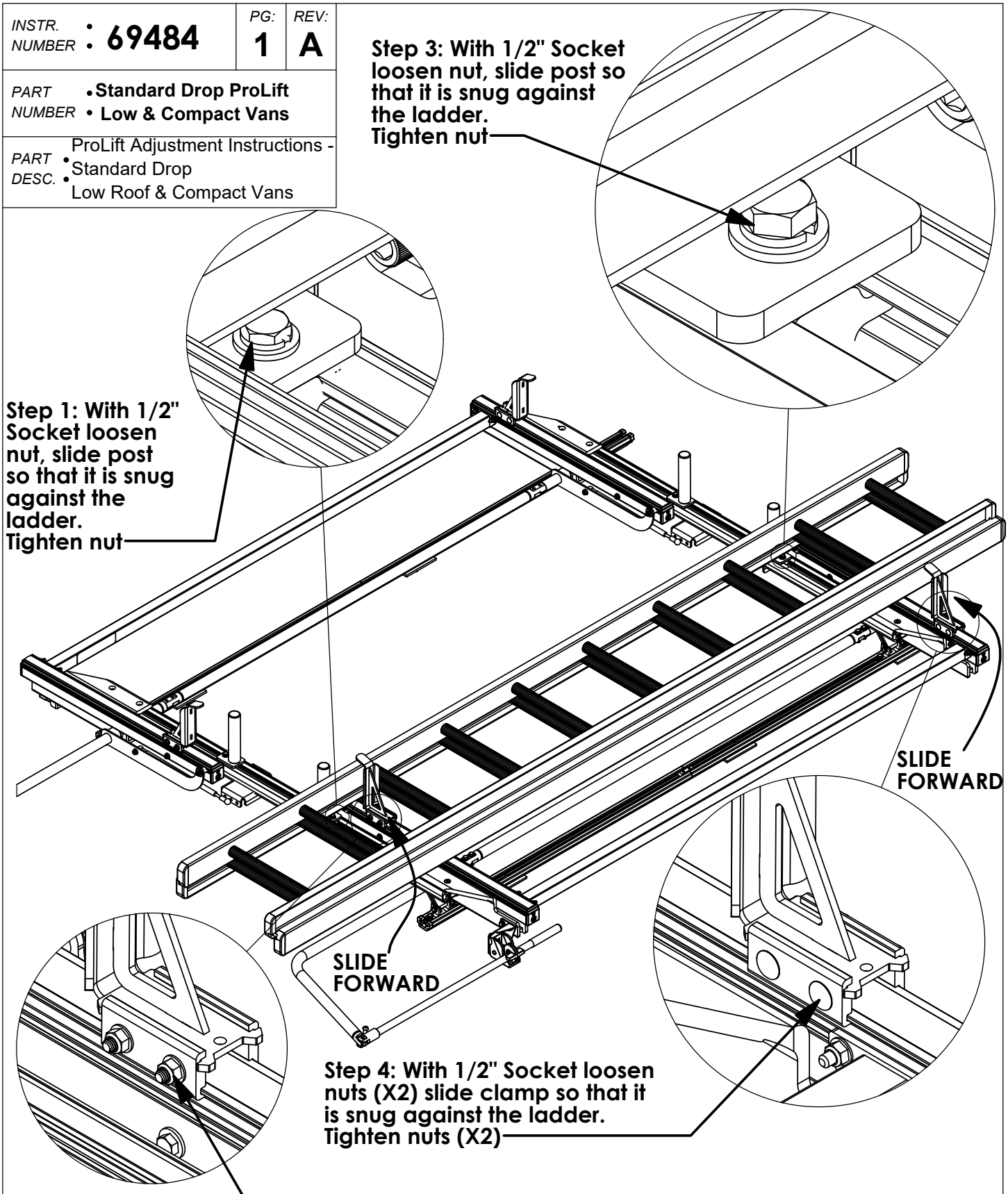
The ProLift™ uses unique, patent-pending, mechanical advantages, and high-performing spring assist struts to raise and lower ladders with an almost effortless pull.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION (smart)
RRKTOP74	ROOF RAIL KIT,TOPPER,74"
RRKTOP74UC	ROOF RAIL KIT,TOPPER,74"UNICOVER
2BARTOPW / B	2BAR UTILITY RACK, TOP
2BAR53W / B	2BAR, CROSSBOW,53"
URMBK4W / B	UTILTY,MNT BKT KT,RAIL
PLSDPSLT5W/B	PROLIFT,STD,DS,LOW T,5
GL-CVPSW / B	GRIP-LOCK, COMP VAN PS

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 with prior notification.

INSTR. NUMBER : 69484	PG: 1	REV: A
PART NUMBER • Standard Drop ProLift • Low & Compact Vans		
PART DESC. • ProLift Adjustment Instructions - Standard Drop Low Roof & Compact Vans		



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

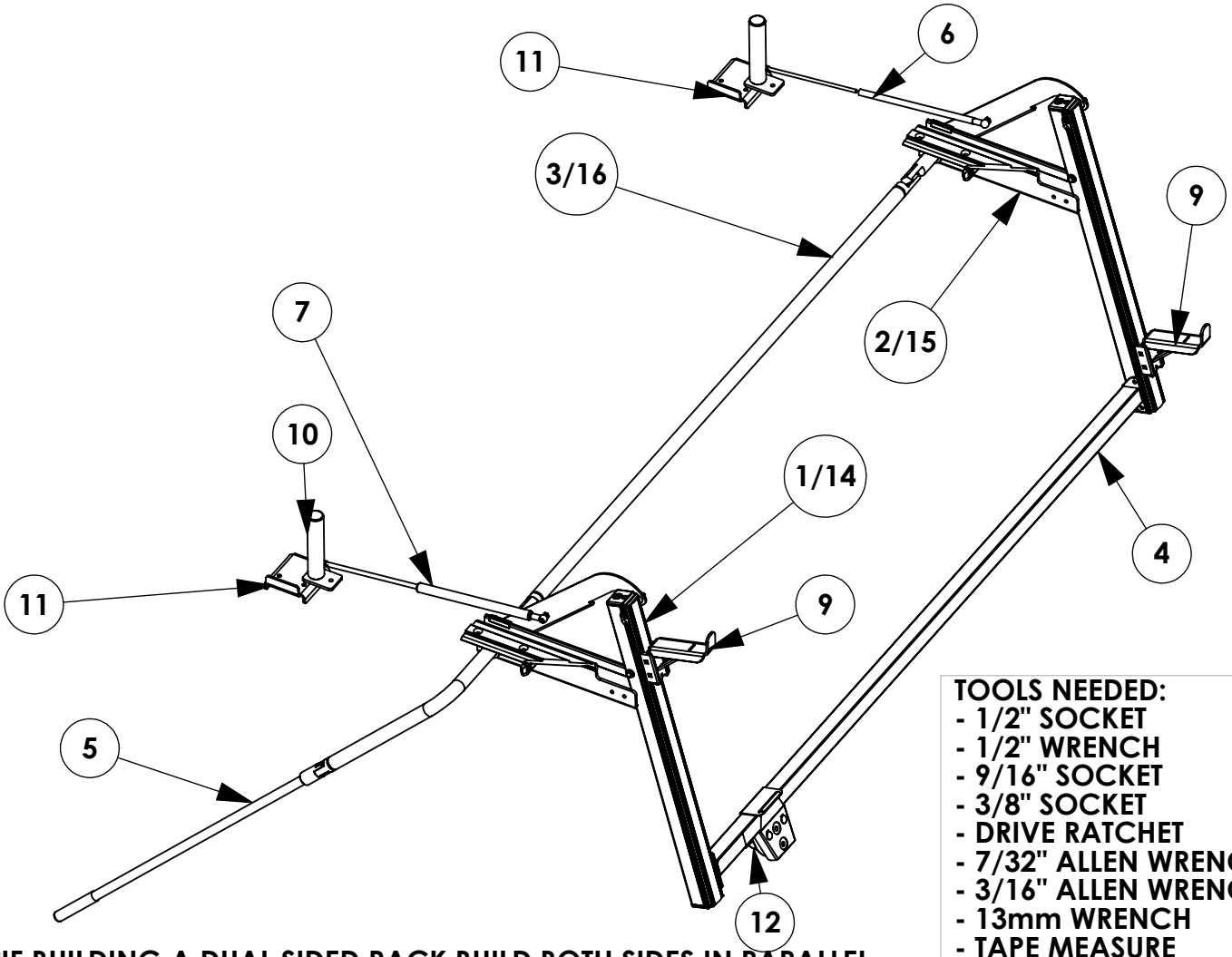
INSTR. NUMBER : 70118	PG: 1	REV: D
PART NUMBER : PLSDPSLT & PLSDDSLT		
PART DESC. • PROLIFT,STD,PS,LT & PROLIFT,STD,DS,LT		

5' AND 6' RACKS WILL USE;
PS: 80062-W/B
DS: 80063-W/B

4' RACKS WILL USE;
PS: 70104-W/B
DS: 70105-W/B

ITEM NO.	PART NUMBER	DESCRIPTION	PLSDPSLT	PLSDDSLT
1/14	70104-W	PROLIFT,LST,DR ASM,PS,R,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	72698-W	PL, 6' PS, OS BAR W/ LATCH CLAMP, WHITE	1	1
5	66611-B	DROP DOWN, PIVOT HANDLE, BLK	1	1
6	48265	DAMPER ASSEMBLY	1	1
7	58239	COMPRESSION DAMPER	1	1
8	65963-W	STOP CLAMP, WHITE	4	4
9	68037-B	CLAMP PAD, 6.5", BLACK	2	2
10	68186-W	PROLIFT INNER POST, WHITE	2	2
11	68628-W	PROLIFT HR DAMPER MOUNT, WHITE	2	2
12	25340-0	HANDLE LATCH-STD	1	1
13	70105-W	PROLIFT,LST,DR ASM,DS,R,W	-	1
14	60813-W	DROP DOWN FRONT ARM ASSM DS, WHITE	-	1
15	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).

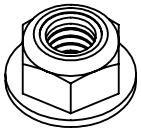
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

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

PAGE: **3**

FASTENERS AND HARDWARE USED

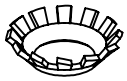
BAG REFERENCE: BAG68181 & BAG72513



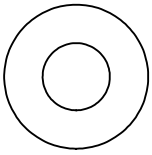
FAS0861
NUT,HEX NLK FLG 5/16-18
QTY: 18

FAS0399
NUT,HEX NLK LT 3/8-16
QTY: 02

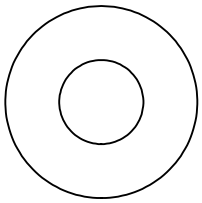
FAS0588
WASHER,LCK SPLIT 5/16
QTY: 02



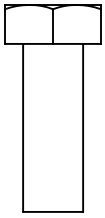
FAS0857
WASHER,LCK EXT CS 5/16
QTY: 04



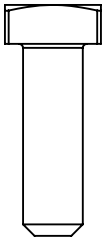
FAS0552
WASHER,FLAT USS 5/16
QTY: 06



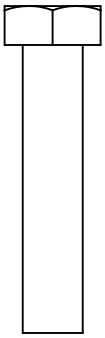
FAS0720
WASHER,FLAT USS 3/8
QTY: 01



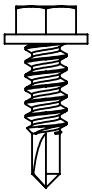
FAS0283
SCREW,HH 5/16-18X.875
QTY: 02



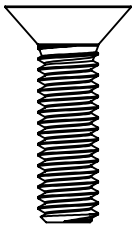
FAS0035
BOLT,SQ HD 5/16-18X1.0
QTY: 04



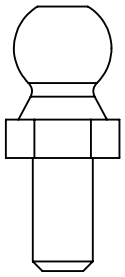
FAS0242
SCREW,HH 5/16-18X1.5
QTY: 04



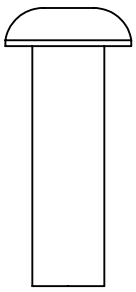
FAS0473
SCREW,HH TEK #12X.75
QTY: 04



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



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

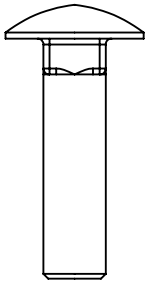


FAS0820
SCREW,BHCS 3/8-16X1.00
QTY: 01

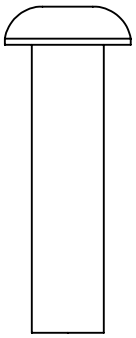
INTENTIONALLY LEFT BLANK

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

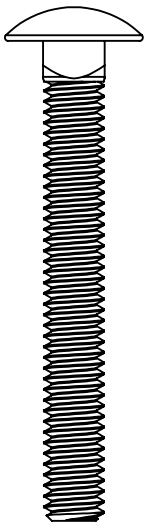
FASTENERS AND HARDWARE USED



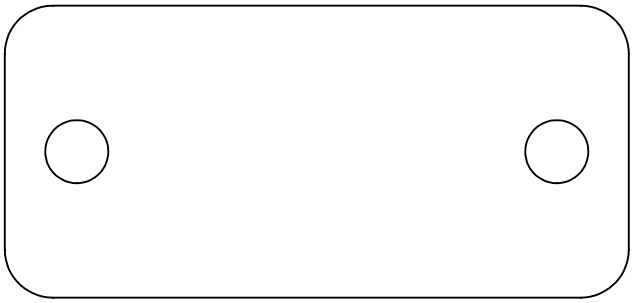
FAS0812
BOLT,CRG 5/16-18X1.25
QTY: 04



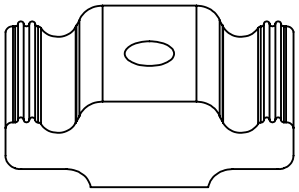
FAS0819
SCREW,BHCS 3/8-16X1.5
QTY: 01



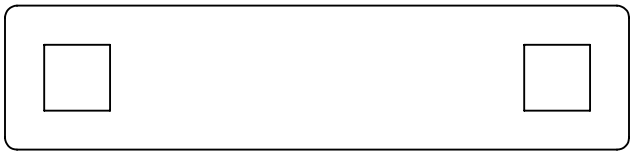
FAS0838
BOLT,CRG 5/16-18X2.5
QTY: 04



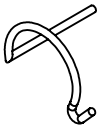
64831
REAR ROLLER, SPACER
QTY: 02



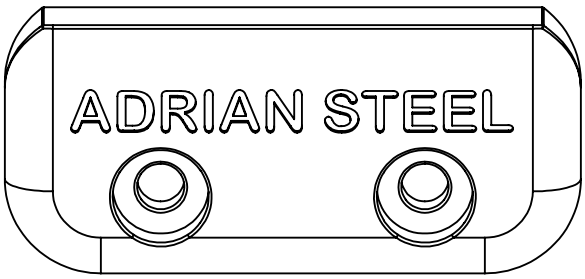
63490
RAIL SLIDE, 1"
QTY: 06



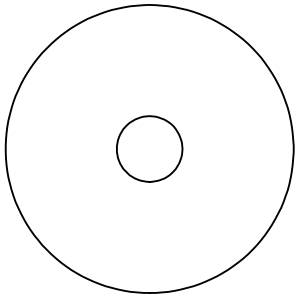
64830
REAR ROLLER, BOLT PLATE
QTY: 02



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



65961
DROP DOWN END CAP
QTY: 02



DISCARD FAS0603
SCREW,HH 5/16-18X.875
QTY: 02

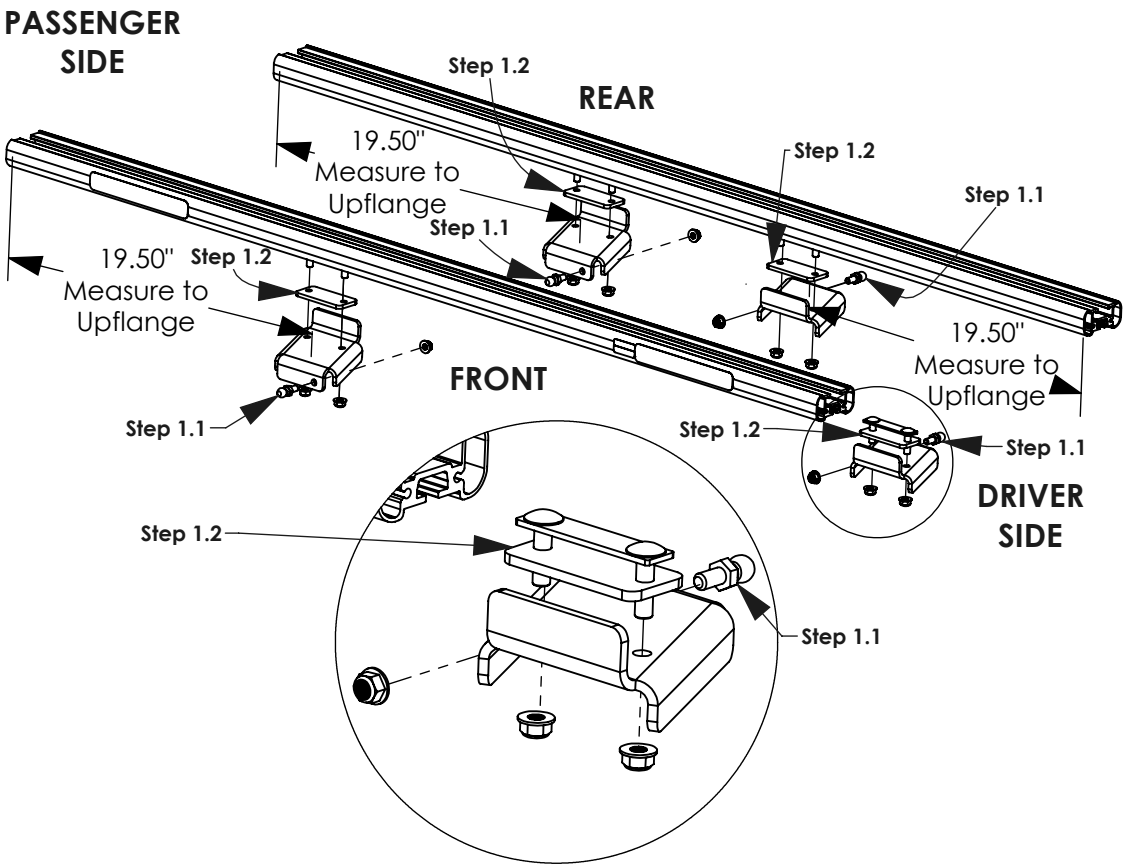
INTENTIONALLY LEFT BLANK

STEP 1 - MOUNT DAMPER BRACKETS

A.2

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

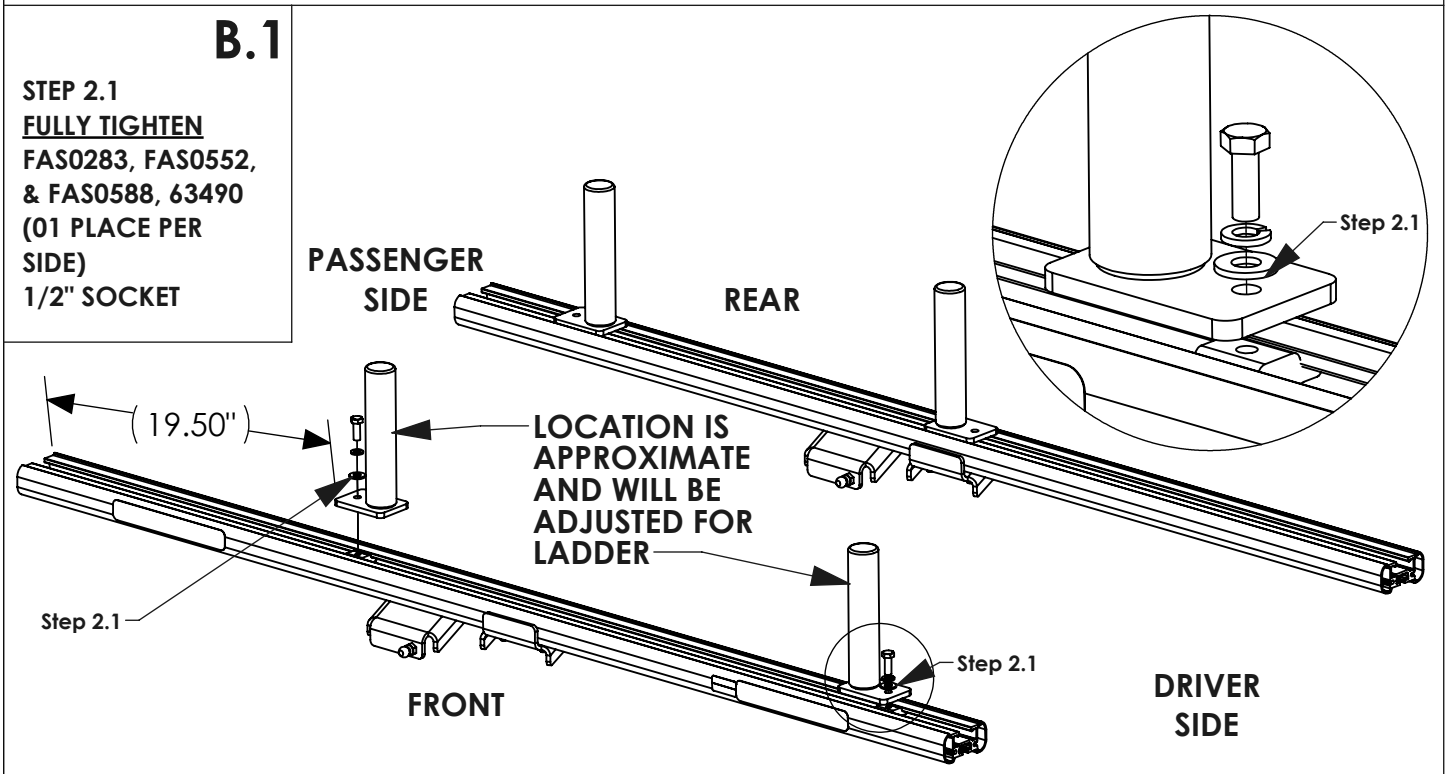
STEP 1.2
FULLY TIGHTEN
(02) FAS0812, 68628, 64831, &
(02) FAS0861
(02 PLACES PER SIDE)
1/2" SOCKET



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



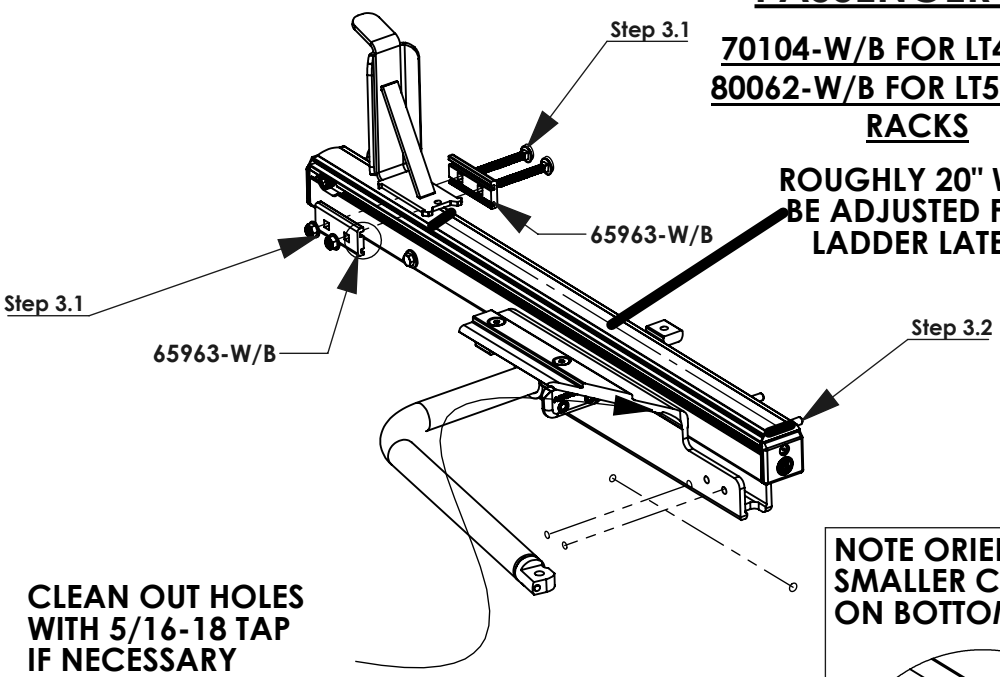
STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

REAR SUB-ASSEMBLY

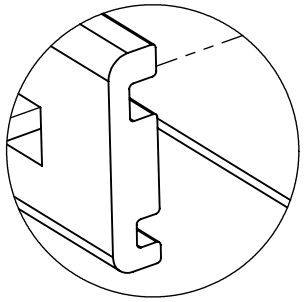
PASSENGER SIDE

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

70104-W/B FOR LT4 RACKS
80062-W/B FOR LT5 AND LT6 RACKS



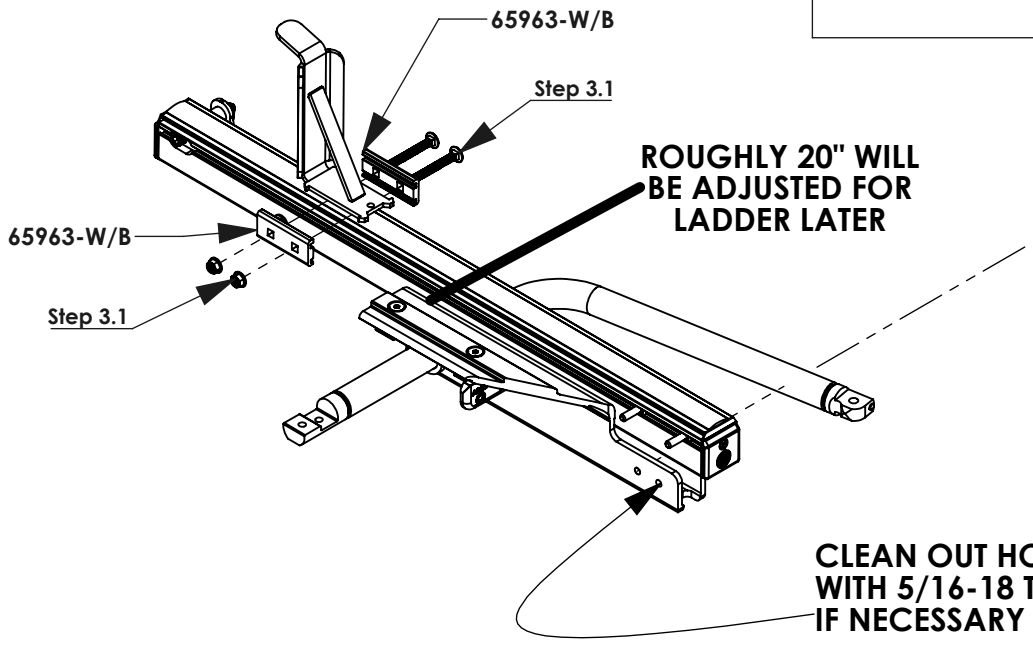
NOTE ORIENTATION: SMALLER CHANNEL ON BOTTOM



DRIVER SIDE

STEP 3.2
FAS0035
SLIDE INTO SLOT
(02 PLACES)

70105-W/B FOR LT4 RACKS
80063-W/B FOR LT5 AND LT6 RACKS



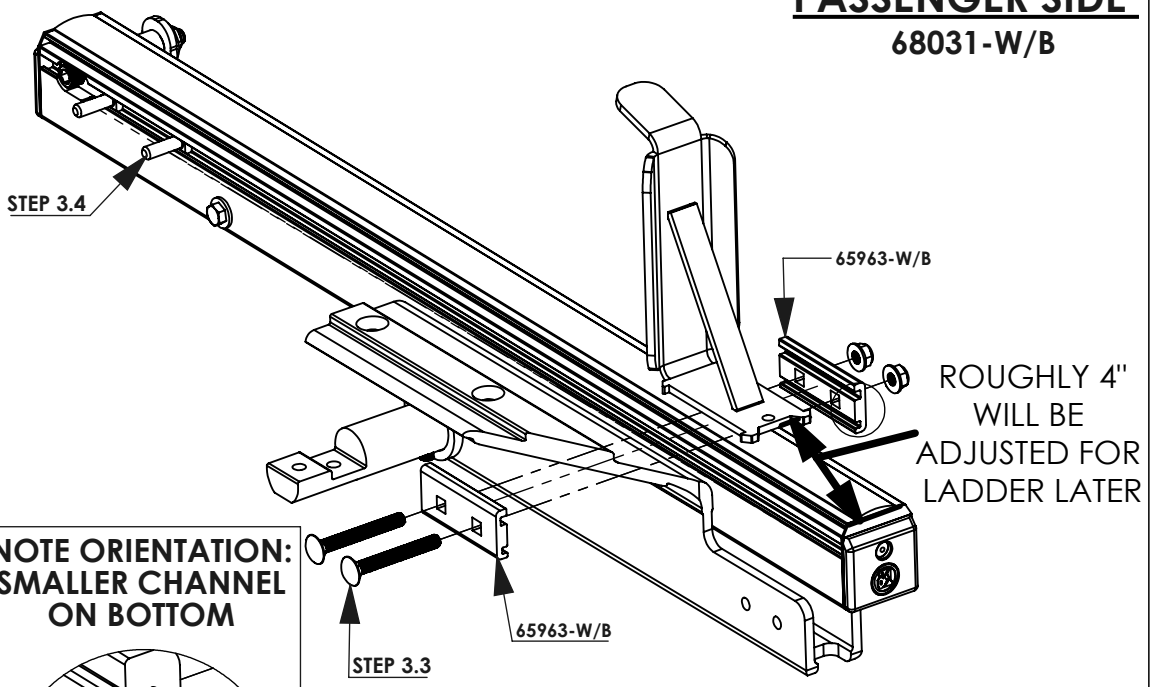
STEP 3 CONTINUED

FRONT SUB-ASSEMBLY

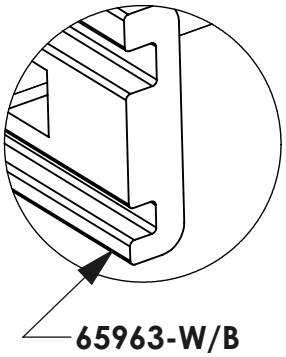
PASSENGER SIDE

68031-W/B

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



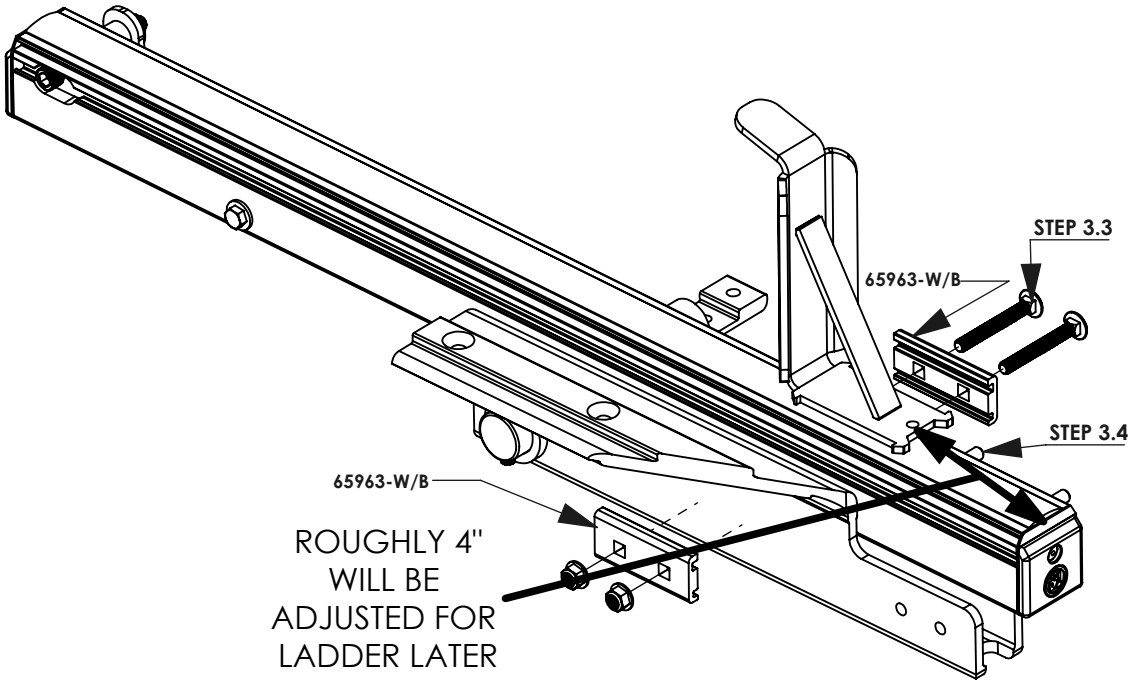
NOTE ORIENTATION: SMALLER CHANNEL ON BOTTOM



DRIVER SIDE

68013-W/B

STEP 3.4
FAS0035
SLIDE INTO SLOT
(02 PLACES)



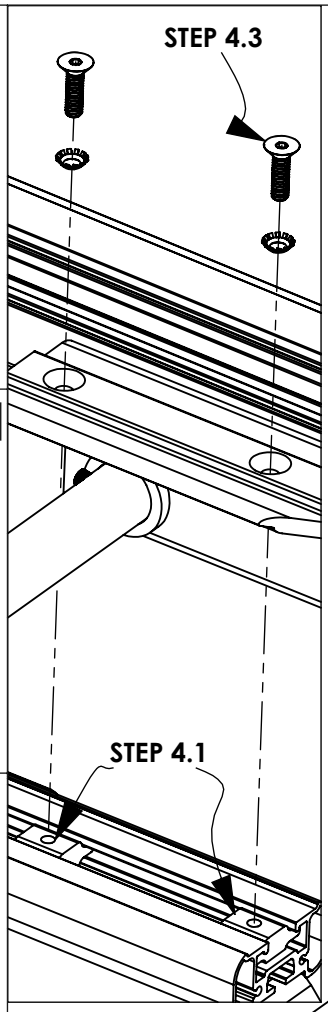
REFERENCE INSTALLATION GUIDE 68895 TABLES 1-3 INSTALLATION OF A.1, A.2, B.1, & B.2 SHOULD BE COMPLETE BEFORE PROCEEDING TO STEP 4

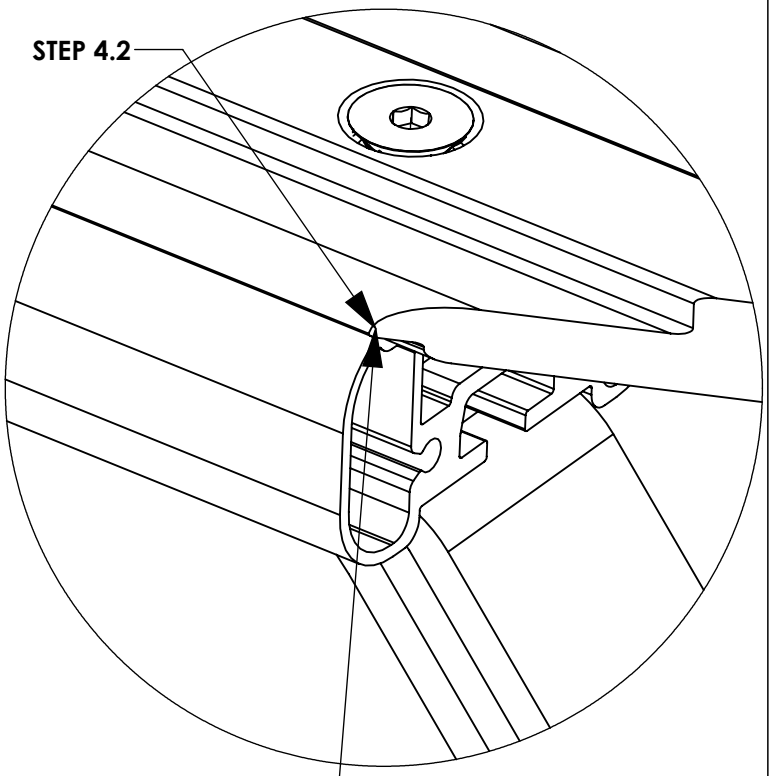
STEP 4 - INSTALL CARTRIDGES ON CROSSBOWS

STEP 4.1
SLIDE 63490 INTO END OF CROSSBOWS

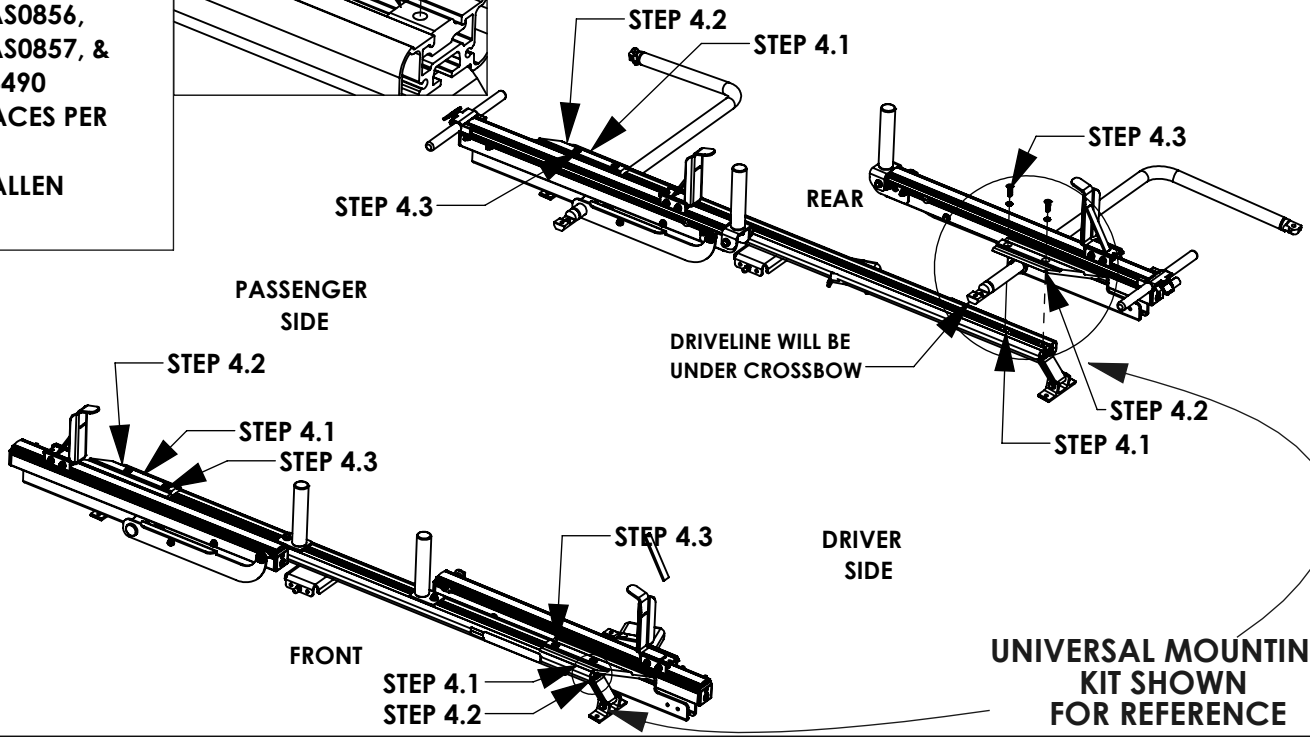
STEP 4.2
LINE UP CORNERS WITH END OF CROSSBOW

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





LINE UP CORNERS!!

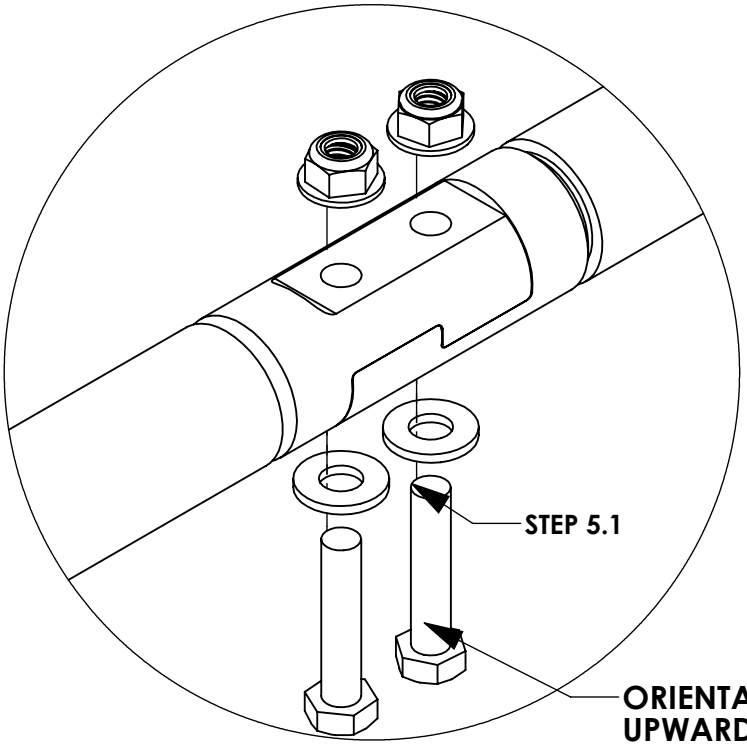


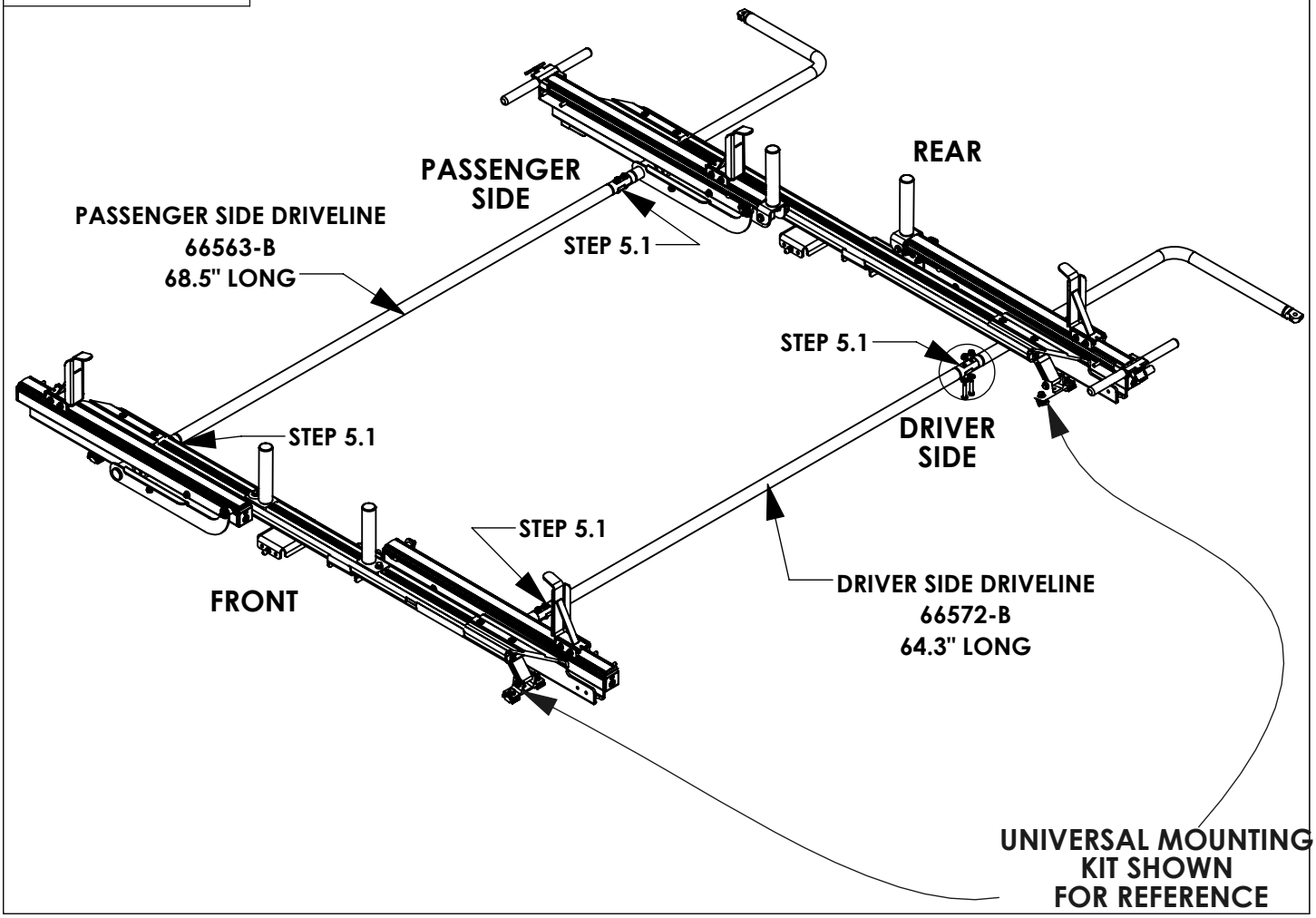
UNIVERSAL MOUNTING KIT SHOWN FOR REFERENCE

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



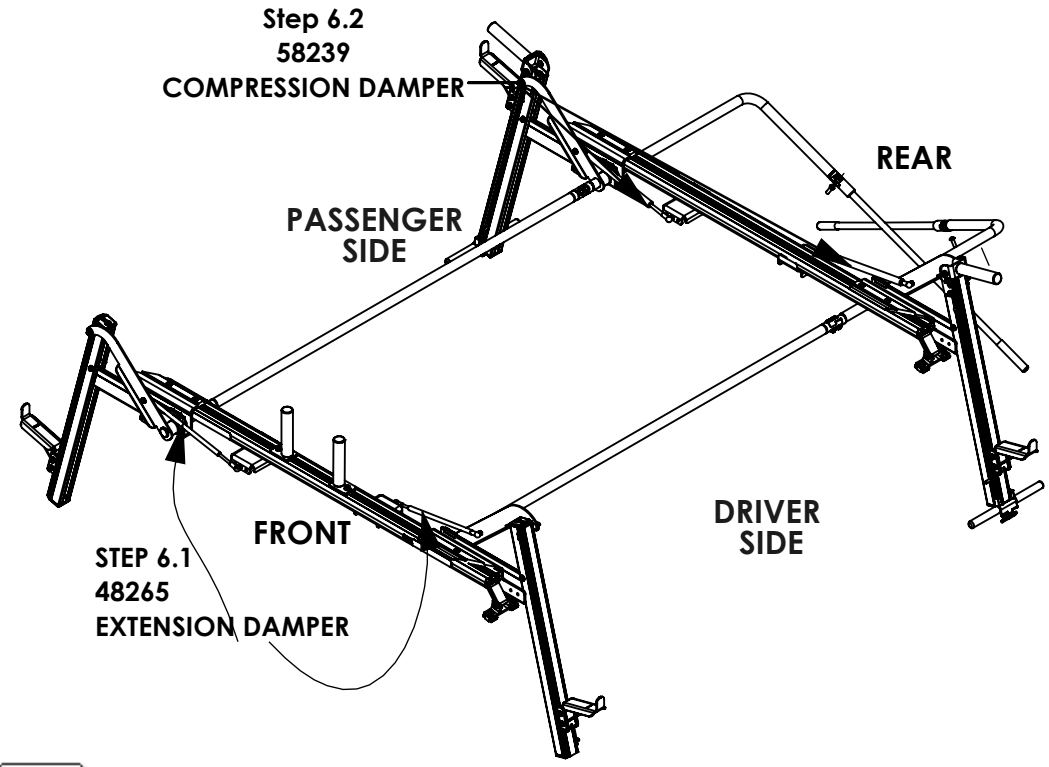


STEP 6 - DEPLOY RACK & INSTALL DAMPERS AND DROP DOWN HANDLE

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

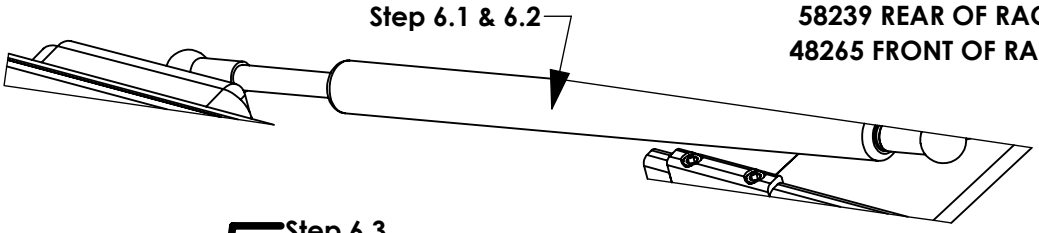
Step 6.2
ATTACH COMPRESSION DAMPERS (58239) TO BALL STUDS.
ORIENTATION OF DAMPER MATTERS!!!
(01 PLACE PER SIDE)

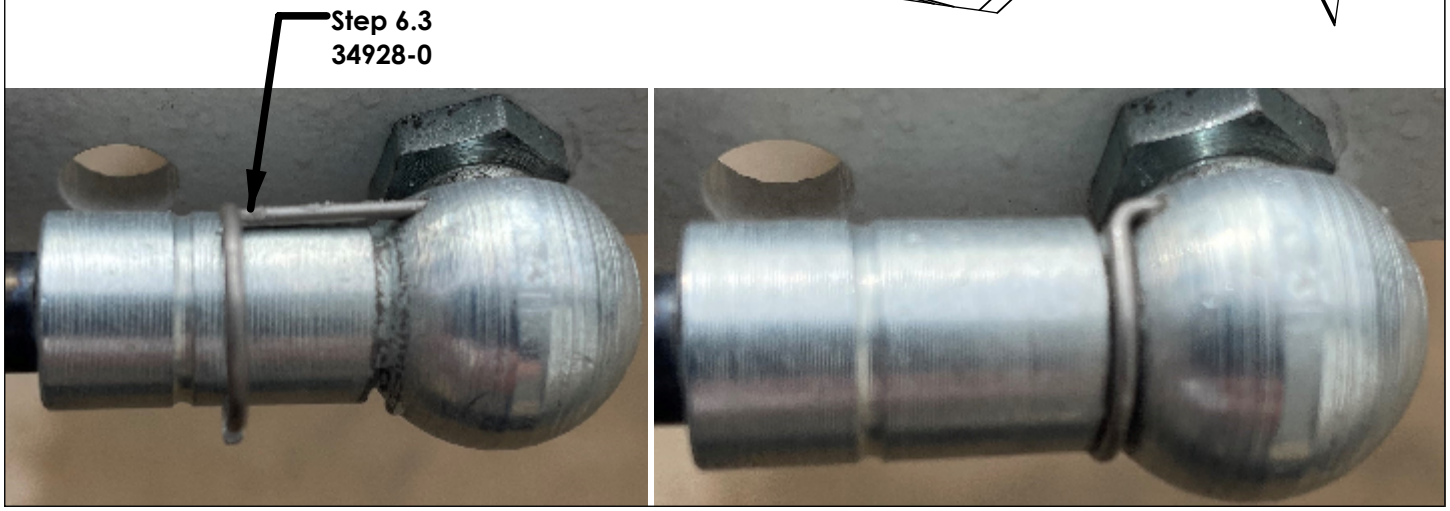
Step 6.3
INSERT LOCKING PINS (34928-0) AFTER MOUNTING DAMPERS TO BALL STUDS
(04 PLACES PER SIDE)



ORIENTATION OF DAMPER MATTERS!!!!!

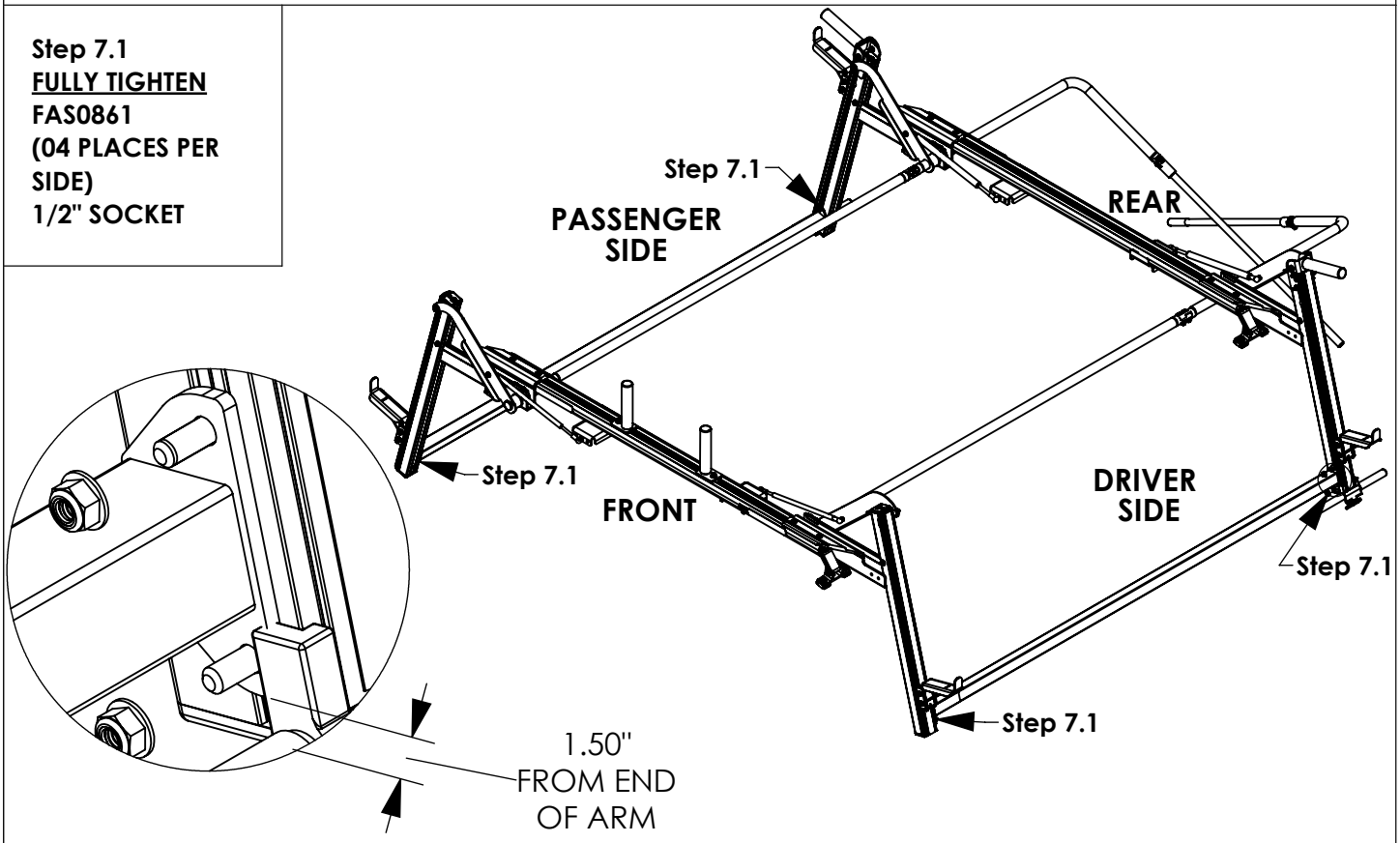
LARGE CYLINDER OF DAMPER ATTACHES TO ARM
SMALL ROD END ATTACHES TO DAMPER BRACKET





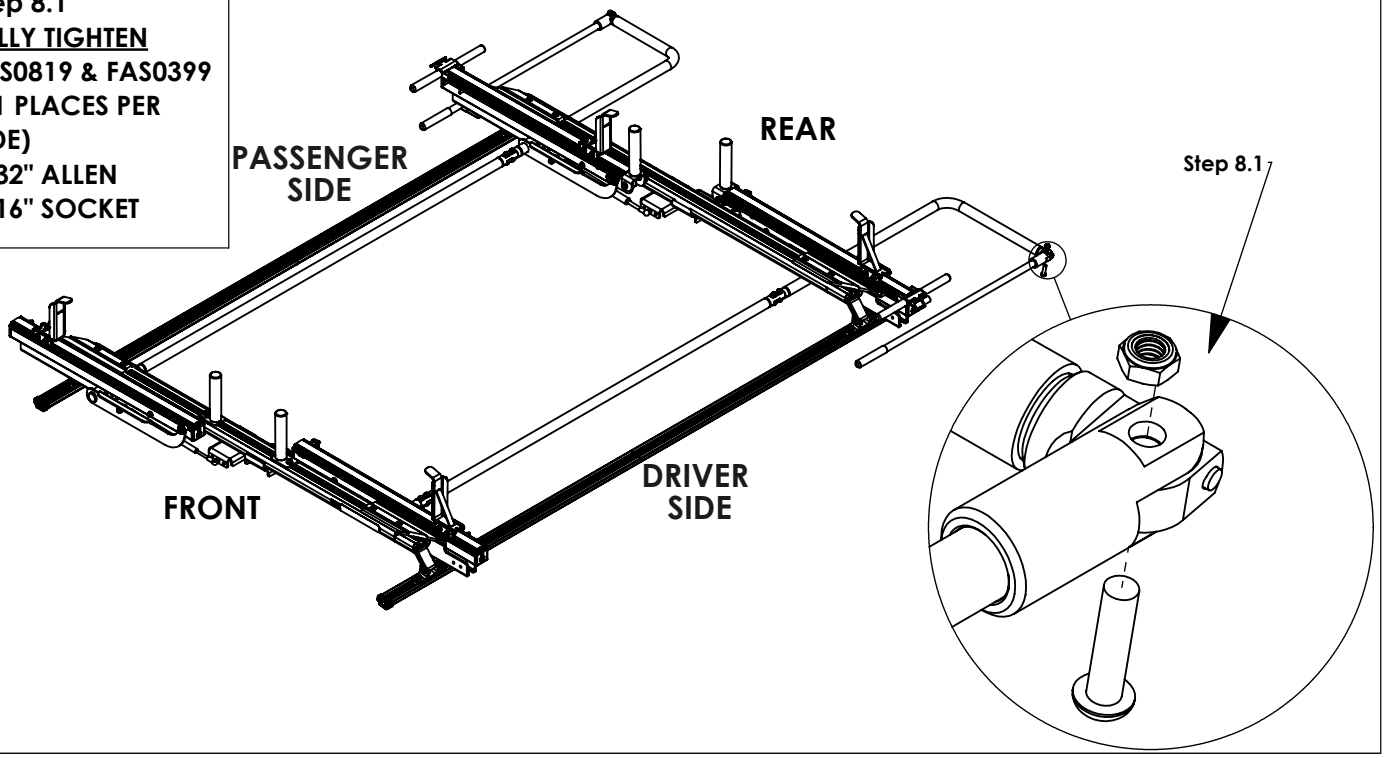
STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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



STEP 8 - INSTALL DROP DOWN HANDLE

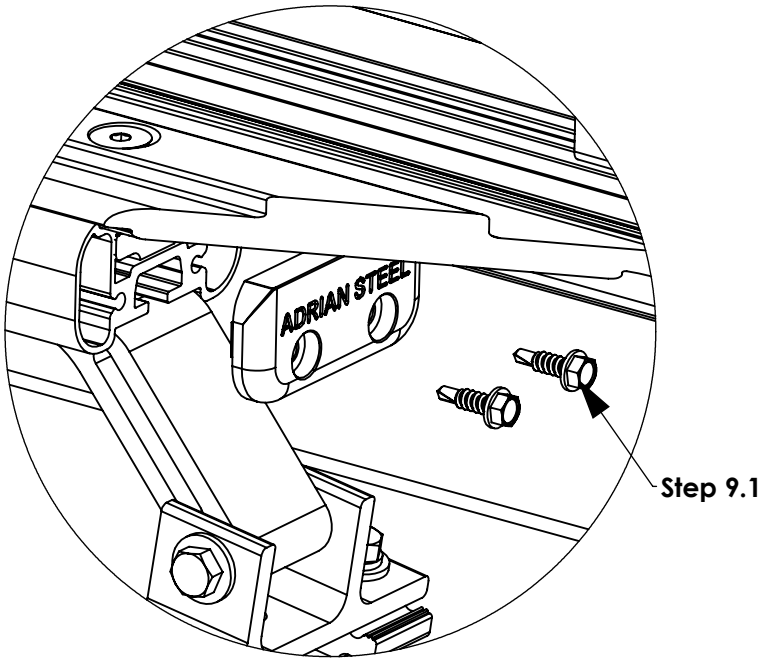
Step 8.1
<u>FULLY TIGHTEN</u>
FAS0819 & FAS0399
(01 PLACES PER SIDE)
7/32" ALLEN
9/16" SOCKET

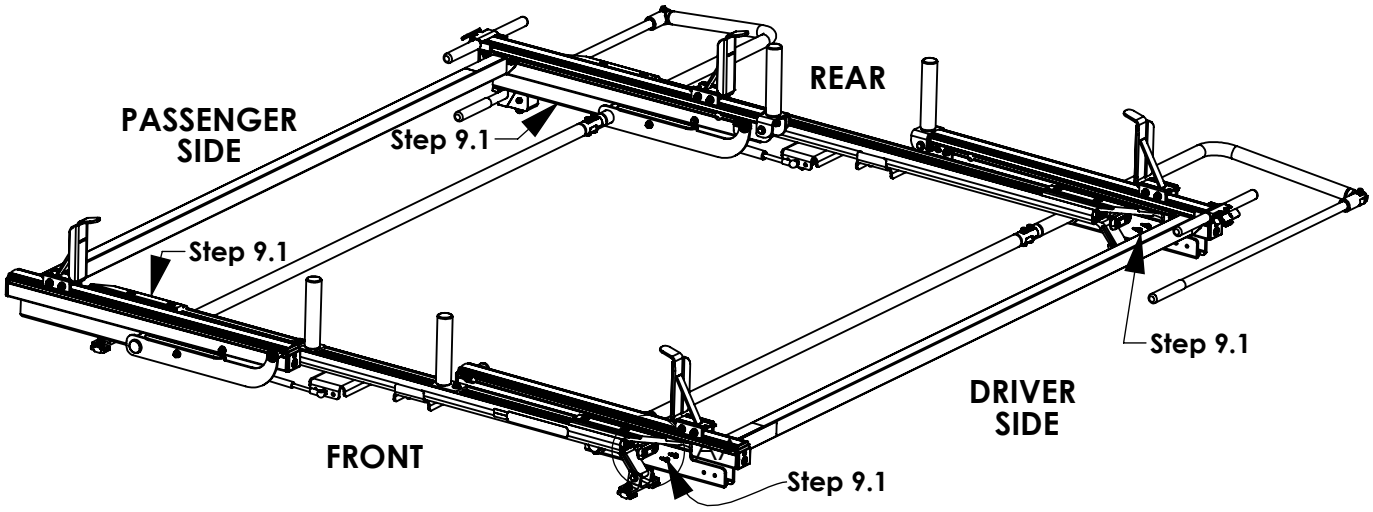


MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE

STEP 9 - INSTALL CROSSBOW END CAPS

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

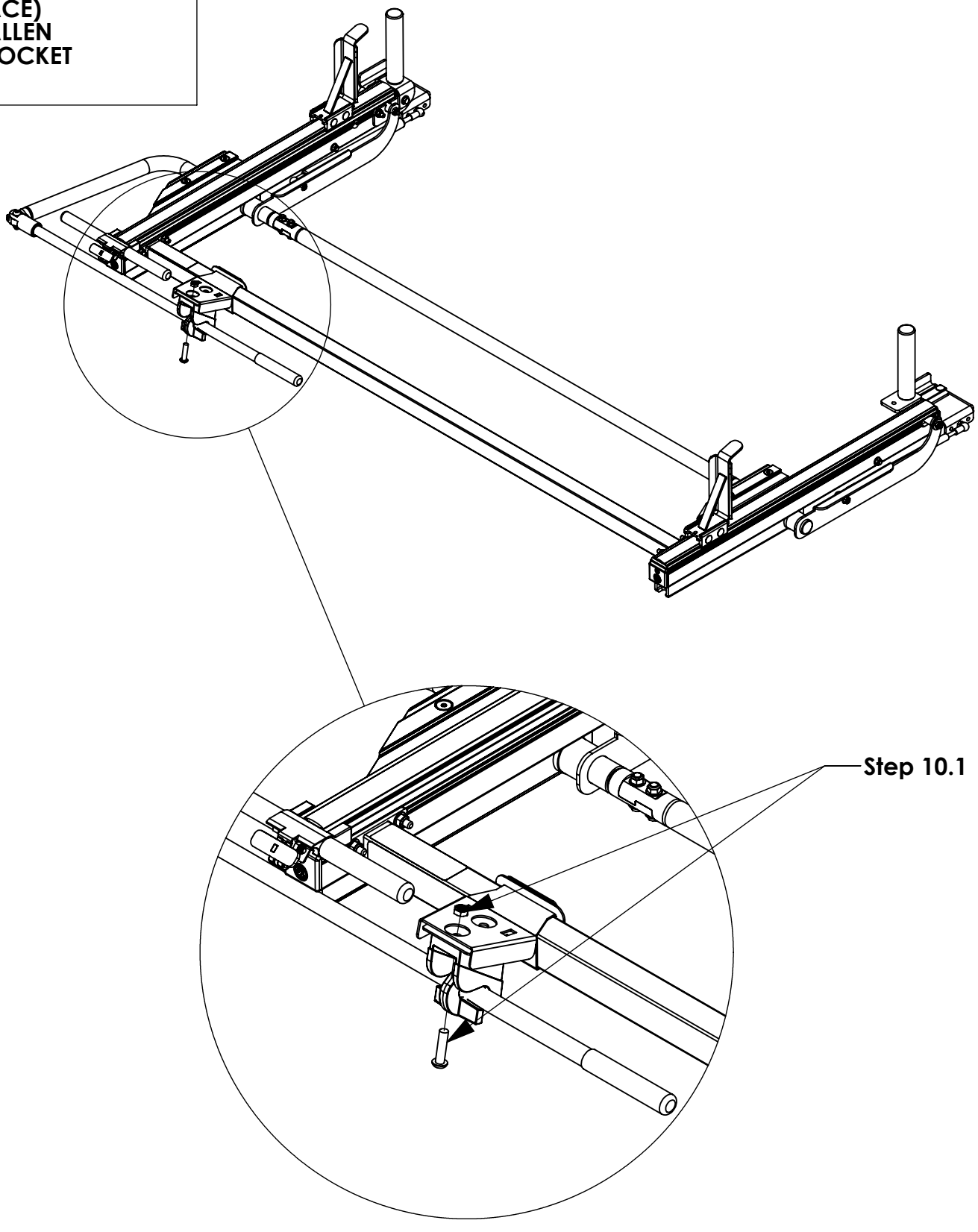




MAKE SURE ALL FASTENERS ARE TIGHTENED!!! INSTALLATION IS COMPLETE

STEP 10 - INSTALL HANDLE LATCH

STEP 10.1
FULLY TIGHTEN
FAS0819, FAS0399,
(01 PLACE)
7/32" ALLEN
9/16" SOCKET

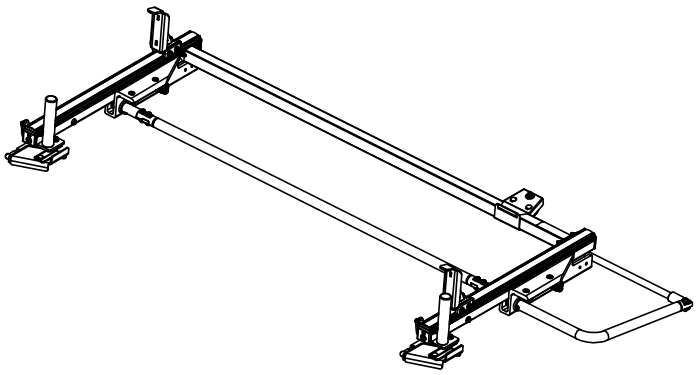


ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles

PROLIFT STANDARD DROP PASSENGER SIDE 5' LOW TOPPER LADDER RACKS

PRODUCT WEIGHT
61.0 LBS

WIDTH X DEPTH X HEIGHT
82.00" X 32.00" X4.00"



CAPACITY
SINGLE LADDER

COLOR
WHITE/BLACK

CATALOG NUMBER
PLSDPSLT5W, PLSDPSLT5B

PRODUCT FEATURES

These Prolift Std Drop, low topper racks can be used on ADRIAN STEEL BIFF, LEER, UNICOVER and ARE truck toppers with bed lenghts from 6'2" - 6'10" with appropriate rail kit, crossbow kit and mounting bracket kit. Use rail kits, crossbow kits, and mounting bracket kits listed in the table below to create new rack combinations. This rack features an attched handle.

Unicover Toppers will use roof rail kits ending in UC (Ex. 4'6" Unicvoer topper would use RRKTOP55UC)

Ignore the roof rail kit when ordering racks for ASC BIFF toppers as they ship with pre-installed rails.

The Standard-Drop ProLift™ has a single function that lowers the ladder to a single set height. Uses hook brackets to hold and secure ladders.

Commercial Part Numbers							
Vehicle Platform	Bed Length	Bed Length (in)	Roof Rail Kit	Crossbow kit	Mounting Bracket Kit	Pro-Lift (Passenger Side)	Pro-Lift (Drivers Side)
All	6'2" - 6'10"	74" - 82"	RRKTOP74/UC	2BARTOPW	URMBK4W	PLSDPSLT5	PLSDDSLT5

NOTE:CROSSBAR KIT IS DIFFERENT FOR COMBO WITH GRIPLOCK. IN THIS CASE,USE 2BAR53W/B

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

ADRIAN STEEL
Cargo Management Solutions for Commercial Vehicles

PROLIFT STANDARD DROP PASSENGER SIDE 5' LOW TOPPER LADDER RACKS

CATALOG NUMBER

PLSDPSLT5W, PLSDPSLT5B

PRODUCT APPLICATION

TOPPER PROLIFT LADDER RACKS ARE FOR USE ON PICKUP TRUCK BED TOPPERS, AVAILABLE IN 4 FT, 5 FT, AND 6 FT LENGTHS FOR ALL DIFFERENT SIZE TRUCK BEDS.

Reduce back and shoulder injuries while loading/unloading ladders by eliminating the need to climb on bumpers and tires to reach the cargo on the roof of your vehicle.

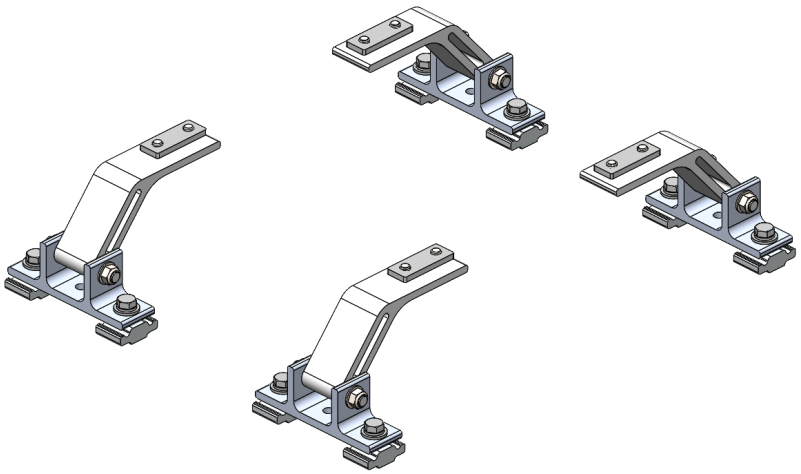
The ProLift™ uses unique, patent-pending, mechanical advantages, and high-performing spring assist struts to raise and lower ladders with an almost effortless pull.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION (smart)
RRKTOP74	ROOF RAIL KIT,TOPPER,74"
RRKTOP74UC	ROOF RAIL KIT,TOPPER,74" UNICOVER
2BARTOPW / B	2BAR UTILITY RACK, TOP
2BAR53W / B	2BAR, CROSSBOW,53"
MAVRMBK4W / B	MAV RAIL MNT BKT KT,4
URMBK4W / B	UTILTY,MNT BKT KT,RAIL
GL-CVPSW / B	GRIP-LOCK, COMP VAN PS
PLSDDSLT5W/B	PROLIFT, STD DROP, DS, LOW TOP

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 with prior notification.

Mounting Bracket Kit, 4-Pack, White, Multiple Pickups



PRODUCT WEIGHT
4.0 LBS

HEIGHT OFF ROOF

SEE TABLE BELOW

CAPACITY

REFER TO OEM'S RECOMMENDED LOAD RATING

COLOR

WHITE

CATALOG NUMBER

URMBK4W

PRODUCT FEATURES

Aluminum mounting bracket kit for the PROFILE™ HD Utility, Grip-Lock, and/or ProLift ladder racks. Only works with the OEM specific, Adrian Steel supplied roof rail kit.

Utility and Grip-Lock racks are not recommended for medium or high roof vehicles!

Reference respective OEM specific roof rail kit for more detailed list of compatible accessories.

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

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 **URMBK4W**

PRODUCT APPLICATION

This product is designed to work with OEM specific rail kit for HD Utility, Grip-Lock, and/or ProLift racks. HD Utility and Grip-Lock racks are not recommended for medium or high roof vehicles!

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
RRKFT	Mounting Roof Rail Kit, Transit	RRKNVFSV	Mounting Roof Rail Kit, NV
RRKSP	Mounting Roof Rail Kit, Sprinter	RRKPM	Mounting Roof Rail Kit, ProMaster, 118” WB, 159” WB, 159” WB Extended
RRKPM136WB	Mounting Roof Rail Kit, ProMaster, 136” WB	RRKSBTOP	Mounting Roof Rail Kit, Multiple Pickups
RRKLBTOP	Mounting Roof Rail Kit, Multiple Pickups		

Reference respective OEM specific roof rail kit for more detailed list of compatible accessories.

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.

INSTR. NUMBER	PG:	REV:
66850	1	E

PART NUMBER : URMBK

PART DESC. : UTILTY,MNT BKT KT,RAIL

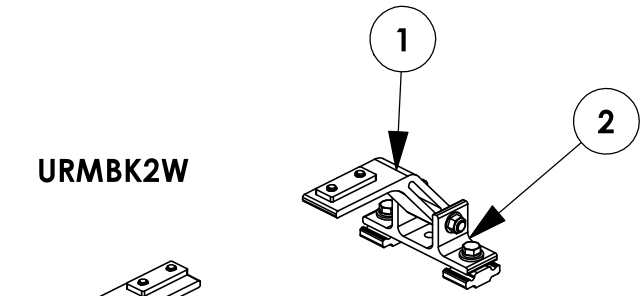
ITEM NO.	PART NUMBER	DESCRIPTION	URMBK4W	URMBK2W
1	65123-W	UTILITY,FT MOUNT ARM,ST,W	4	2
2	63852-W	UTILITY, MOUNTING BRKT, W	4	2

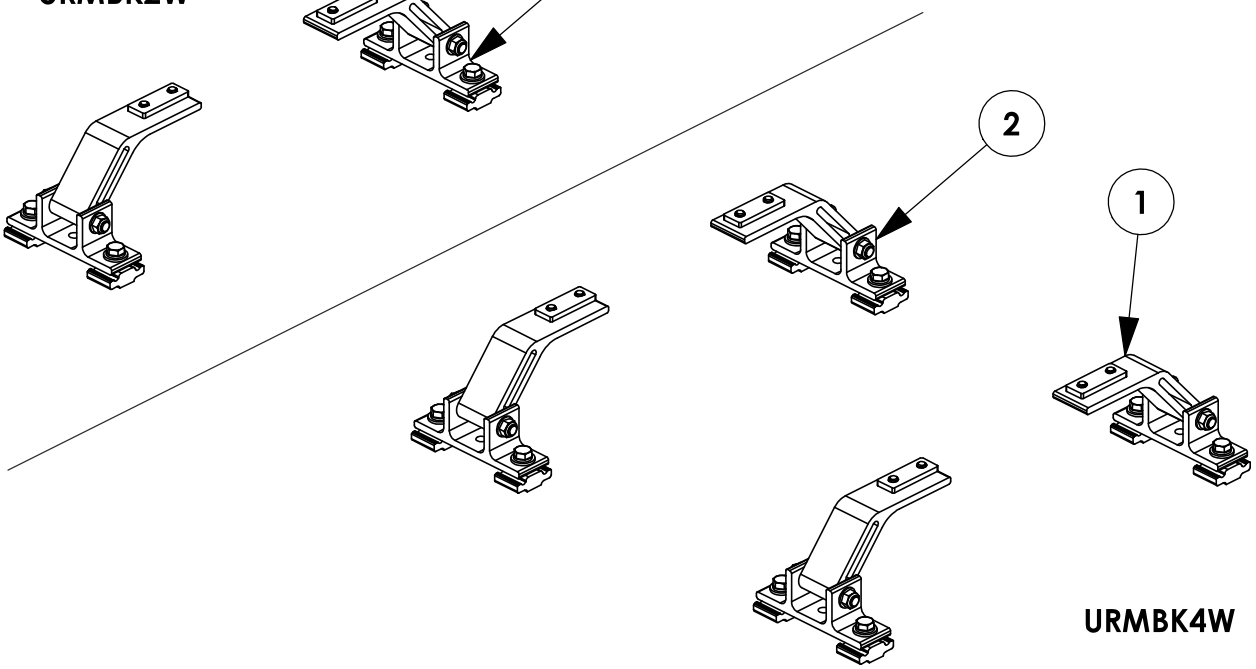
-PART NUMBERS WITH "-W" SUFFIX ARE PAINTED WHITE
-FOR BLACK MOUNTING KITS, REPLACE "-W" PARTS WITH "-B" PARTS

NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

-URMBK4W
-URMBK4B
-URMBK2W
-URMBK2B

URMBK2W





URMBK4W

TOOLS NEEDED:

- DRIVE RATCHET
- IMPACT DRIVER
- 3/16" SOCKET
- 1/2" SOCKET
- 1/2" WRENCH
- 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).

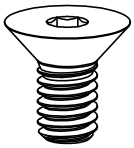
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

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

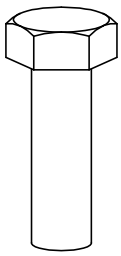
PAGE: 3

FASTENERS AND HARDWARE USED

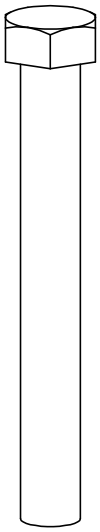
BAG REFERENCE: BAG66848



FAS0858
5/16-18X.63
FHH SCREW
QTY: 8

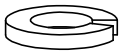


FAS0597
5/16-18X1.0 SS
HH SCREW
QTY: 8

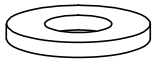


FAS0243
5/16-18X2.5 SS
HH SCREW
QTY: 4

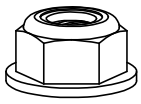
FAS0857
5/16 SS WASHER,
LOCK EXT CS
QTY: 8



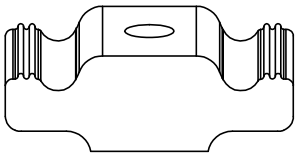
FAS0588
5/16 SS
SPLIT WASHER
QTY: 8



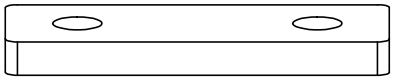
FAS0552
5/16 SS
FLAT WASHER
QTY: 12



FAS0861
5/16-18 SS
HH FLG NUT
QTY: 4



63490
RAIL SLIDE,
1"
QTY: 8



68042
PROFILE FOOT
MOUNTING PLATE
QTY: 4

PAGE INTENTIONALLY LEFT BLANK

STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW

STOP

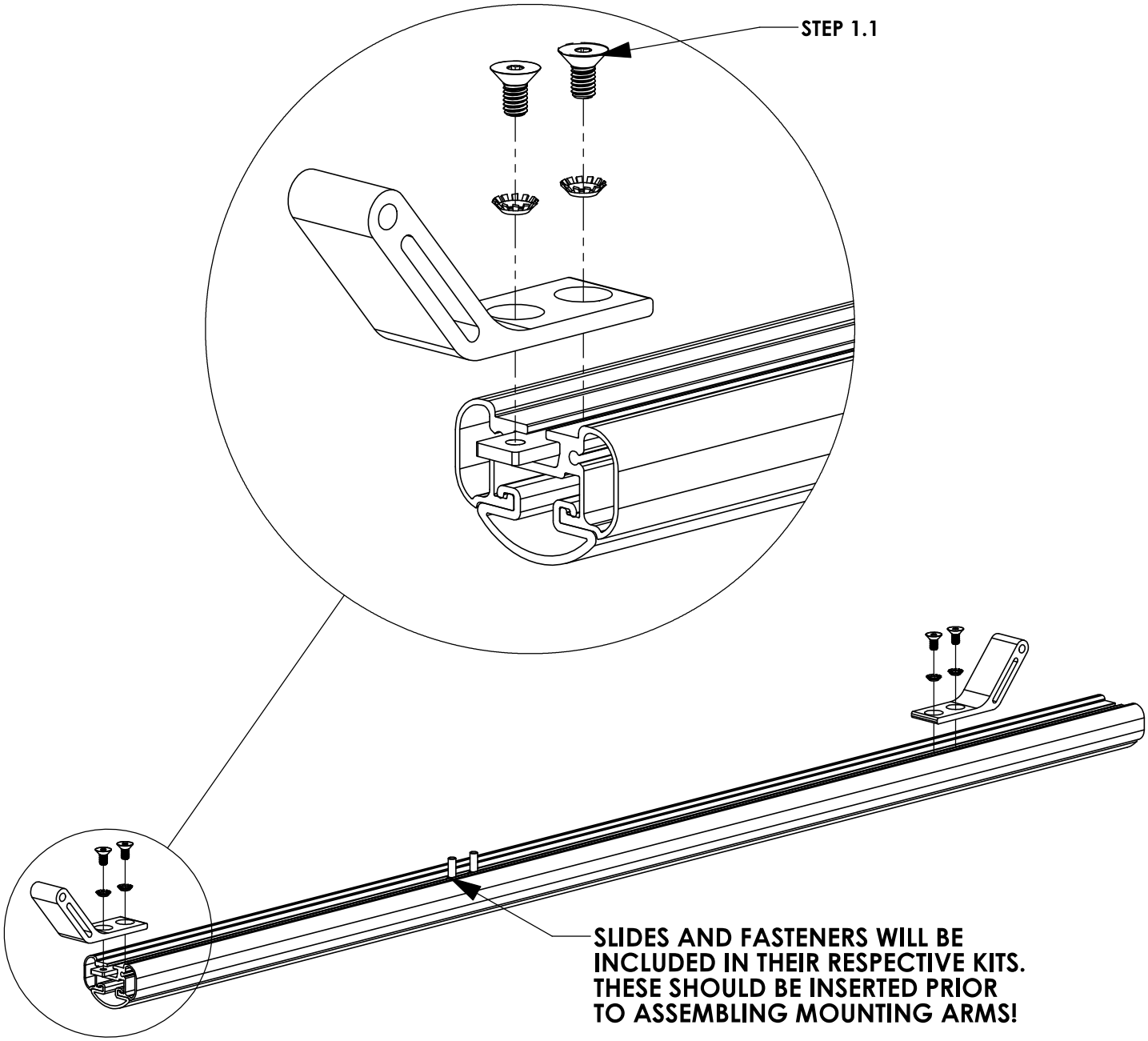
CHECK TABLE 1-3 IN INSTRUCTION 68895 FOR ADDITIONAL ACCESSORY SLIDE INSTALLATION BEFORE INSTALLING MOUNTING BRACKETS (ALL A.2 ITEMS SHOULD BE COMPLETELY ASSEMBLED FIRST!)

STEP 1.1
LOOSELY ASSEMBLE UNTIL AFTER STEP 3
(2) FAS0857, (2) FAS0858, 68042

(02 PLACES PER CROSSBOW)
3/16" ALLEN

ATTENTION!

IF INSTALLING A GRIP-LOCK ON A PICKUP TRUCK TOPPER, ASSEMBLE MOUNTING ARMS FACING OUTWARD FOR THAT SIDE OF THE RACK



STEP 2 - SECURE CROSSBOW

STEP 2.1
FULLY TIGHTEN FROM STEP 1.1

(04 PLACES PER CROSSBOW)
3/16" ALLEN

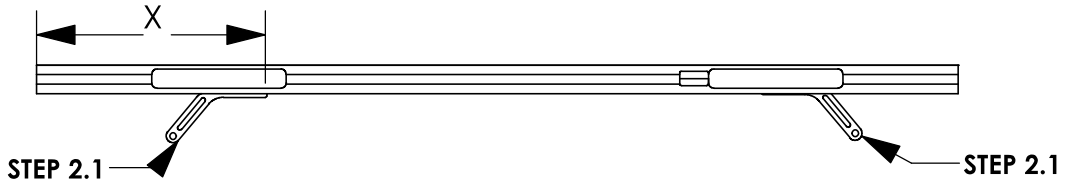
FULL SIZE VANS

CENTER CROSSBOW ON MOUNTING BRACKETS

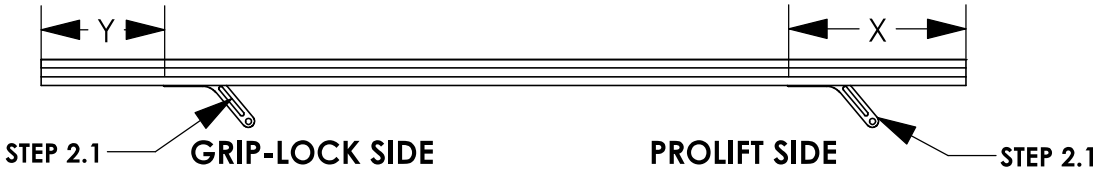
VEHICLE PLATFORM	DIMENSION "X" (in.) - 58" CROSSBOW	DIMENSION "X" (in.) - 68" CROSSBOW
FORD TRANSIT	6 5/8"	11 5/8"
RAM PROMASTER	6"	11"
NISSAN NV	4 7/8"	9 7/8"
MERCEDES SPRINTER (LOW ROOF)	4 5/8"	9 5/8"
MERCEDES SPRINTER (HIGH ROOF)	8 1/8"	13 1/8"

DIMENSION WILL VARY BASED ON ROOF RAIL PLACEMENT ON TOPPER

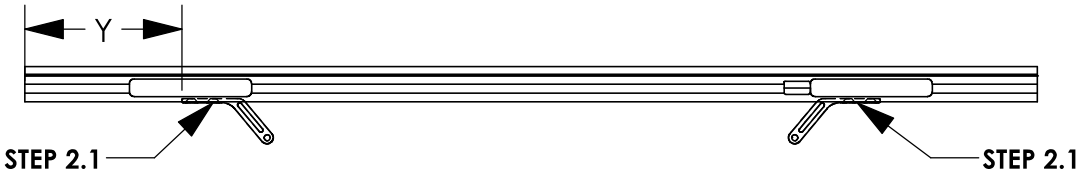
PICKUP TRUCK TOPPERS



FEET ORIENTATION FOR DUAL PROLIFT SHOWN



FEET ORIENTATION FOR COMBO RACK SHOWN



FEET ORIENTATION FOR DUAL GRIP-LOCK SHOWN

MOUNTING FEET FOR GRIP LOCK SIDE OF COMBO RACK WILL FACE OUTWARD FROM ROOF CENTERLINE ON TOPPER

CROSSBOW LENGTH	DIMENSION "X" (in.) - PROLIFT	DIMENSION "Y" (in.) - GRIPLOCK
48" (PROLIFT)	MINIMUM 10 1/8"	N/A
53" (COMBO)	MINIMUM 10 1/8"	MAX 7 1/8"
58" (GRIP-LOCK)	N/A	MAX 7 1/8"

NOTE - THESE DIMENSIONS ARE APPROXIMATE AND WILL VARY SLIGHTLY WITH ANY TOLERANCE IN THE BUILD OF THE VEHICLE

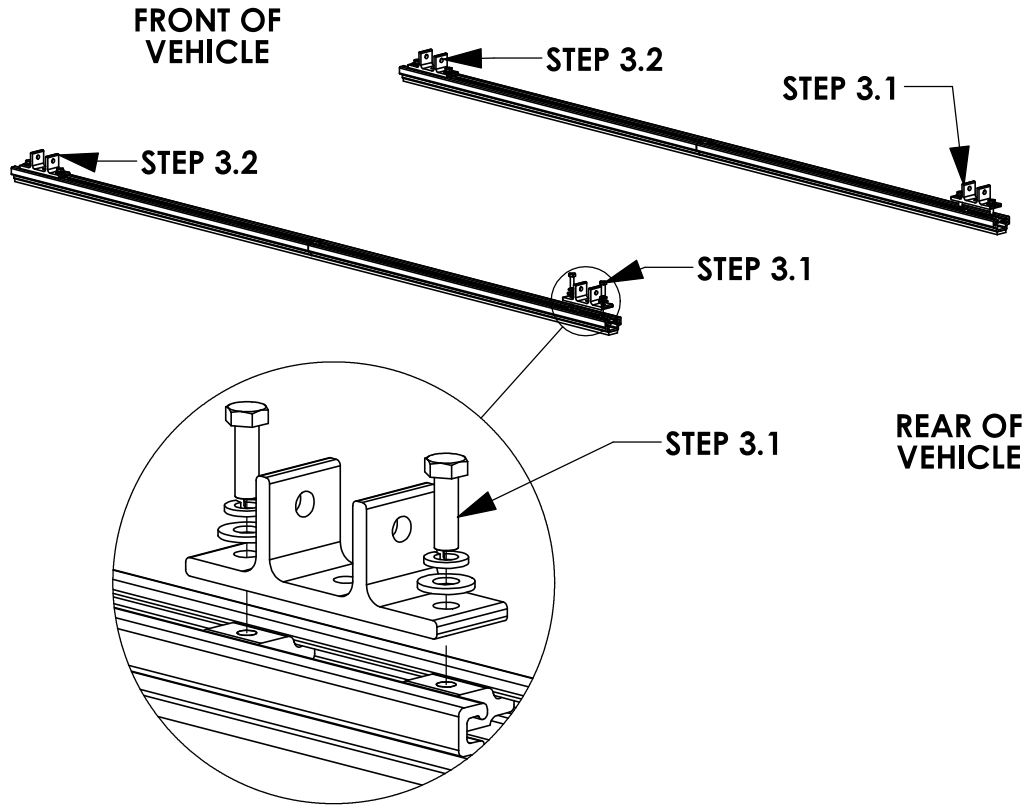
STEP 3 - ASSEMBLE LOWER MOUNTING FOOT TO ROOF RAIL

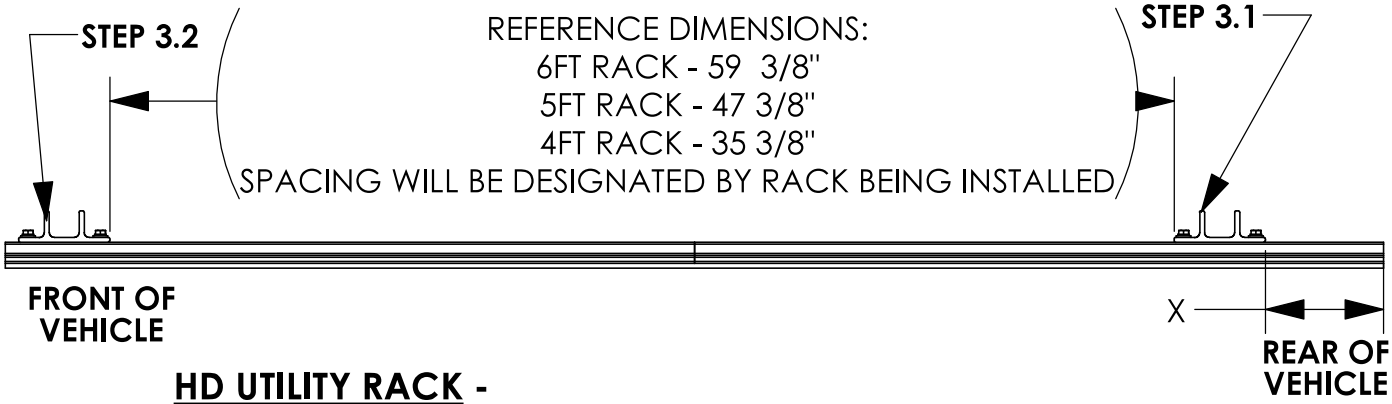
STEP 3.1
FULLY TIGHTEN
FAS0597, FAS0552, FAS0588, 63490 ON REAR MOUNTING FEET

(02 PLACES PER MOUNTING FOOT)
1/2" SOCKET

STEP 3.2
LEAVE LOOSE UNTIL AFTER STEP 4
FAS0597, FAS0552, FAS0588, 63490 ON FRONT MOUNTING FEET

(02 PLACES PER MOUNTING FOOT)
1/2" SOCKET





HD UTILITY RACK -

REAR CROSSBOW - REARWARD AS POSSIBLE
FRONT CROSSBOW- POSITION TO BEST FIT END USER'S PRODUCT

FORD TRANSIT		RAM PROMASTER		MERCEDES SPRINTER	
ROOF HEIGHT/ WHEELBASE	POSITION X (IN)	ROOF HEIGHT/ WHEELBASE	POSITION X (IN)	ROOF HEIGHT/ WHEELBASE	POSITION X (IN)
LOW ROOF	7.5	LR 118	10	LR 144	10.5
MID ROOF	7.5	LR 136	10	HR 144	12.5
HIGH ROOF	7.5	HR 136	10	HR 170	12.5
HIGH ROOF EXT	7.5	HR 159/159 EXT	10	HR 170 EXT	12.5

STEP 4 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS

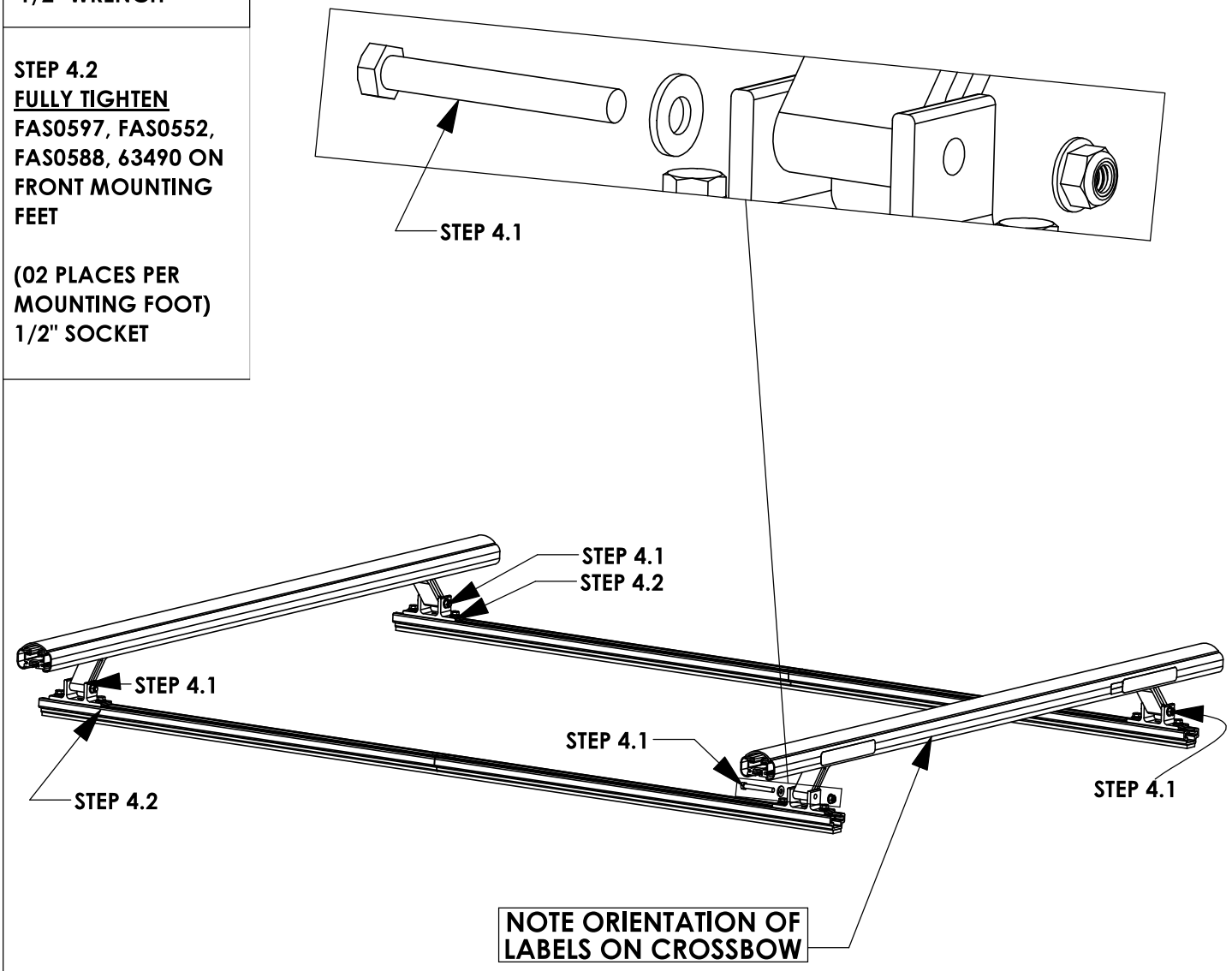
BEFORE PROCEEDING WITH THIS STEP FINISH ASSEMBLING ACCESSORIES ONTO RACK. (IE GRIP LOCK, PROLIFT, ETC)

STEP 4.1
FULLY TIGHTEN
FAS0243, FAS0552, FAS0861

(02 PLACES PER CROSSBOW)
1/2" SOCKET
1/2" WRENCH

STEP 4.2
FULLY TIGHTEN
FAS0597, FAS0552, FAS0588, 63490 ON FRONT MOUNTING FEET

(02 PLACES PER MOUNTING FOOT)
1/2" SOCKET



REFERENCE - NO ACCESSORIES SHOWN

STEP 5 - ADJUST MOUNTING BRACKET LOCATION IF NECESSARY

CROSSBOW POSITIONING NOTES:

HD UTILITY RACK -

REAR CROSSBOW - REARWARD AS POSSIBLE
FRONT CROSSBOW- POSITION TO BEST FIT END USER'S PRODUCT

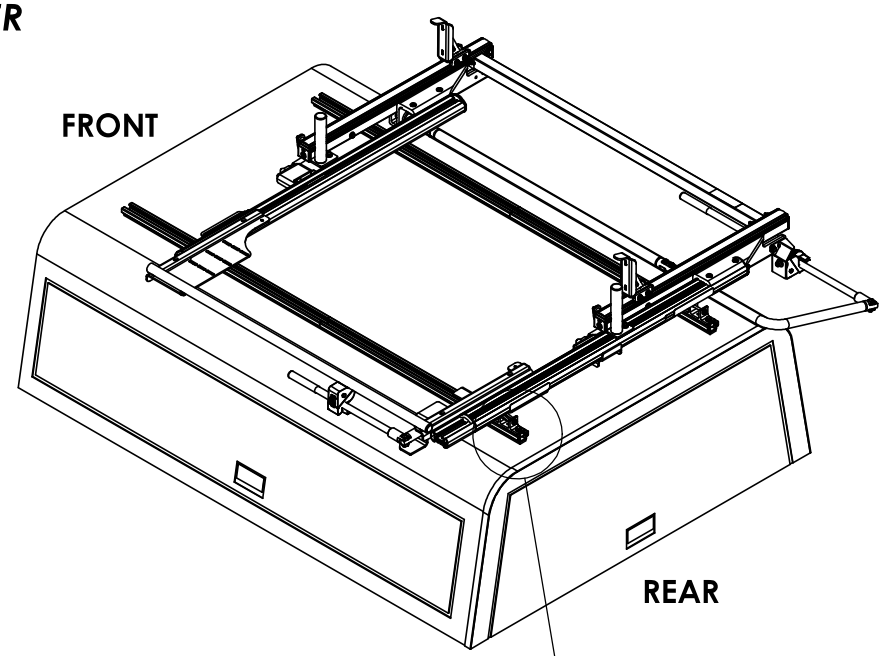
GRIP LOCK/PROLIFT LADDER RACKS -

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

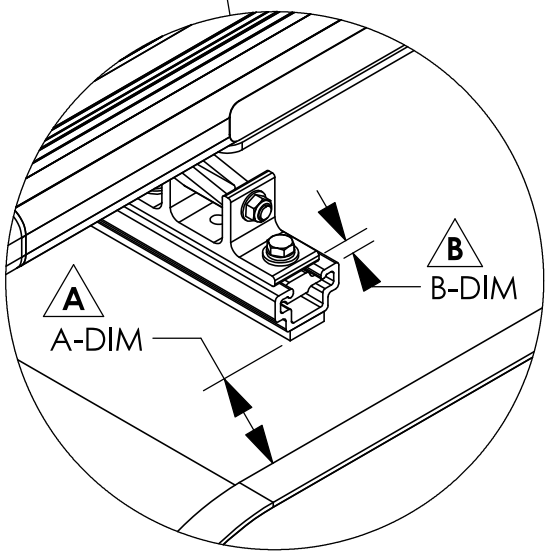
6' ARE TOPPER / 8' LEER TOPPER

A OPTIMAL RAIL KIT POSITION: TOPPER ROOF RAIL KIT END TO BE A-DIM FROM BLACK TOPPER TRIM

B UTILITY MOUNTING BRACKET: REAR MOUNTING BRACKETS WILL BE B-DIM FROM THE END OF THE ROOF RAIL KIT



TOPPER/ DIMENSION	6' ARE TOPPER	8' LEER TOPPER
A-DIM	3.00"	1.00"
B-DIM	0.50"	0.50"



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

INSTALLATION IS COMPLETE!! MAKE SURE ALL FASTENERS ARE TIGHTENED

2-Crossbar Kit, 48”, White, Multiple Pickups

PRODUCT WEIGHT
13.4 LBS

CROSSBOW LENGTH X HEIGHT

49” x 2”

CAPACITY

REFER TO OEM’S RECOMMENDED LOAD RATING

COLOR

WHITE

CATALOG NUMBER

2BARTOPW

PRODUCT FEATURES

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

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

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

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

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.

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

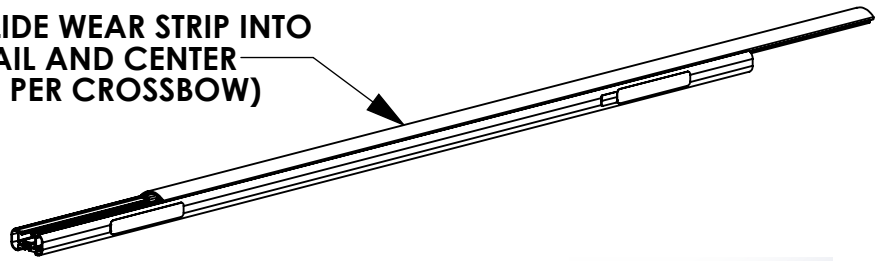
TOP OF CROSSBOW		
	COMPONENTS TO INSTALL	
B.1	HD UTILITY	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	Grip-Lock	- WEAR STRIP (MODIFY IF NECESSARY, TABLE 3)
	ProLift	- INNER STOP POST
BOTTOM OF CROSSBOW		
	COMPONENTS TO INSTALL	
B.2	HD UTILITY	- MOUNTING BRACKETS
	Grip-Lock	- MOUNTING BRACKETS
	ProLift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

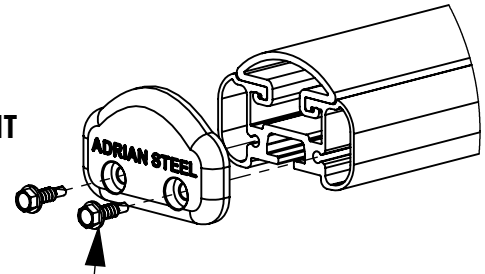
4T. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)

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

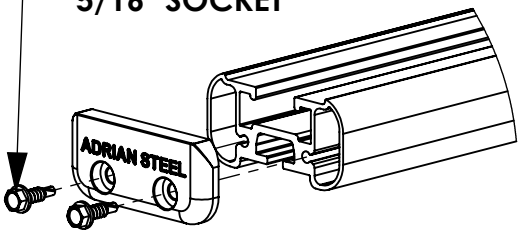
6T. ASSEMBLE ENDS CAPS TO CROSSBOW

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)

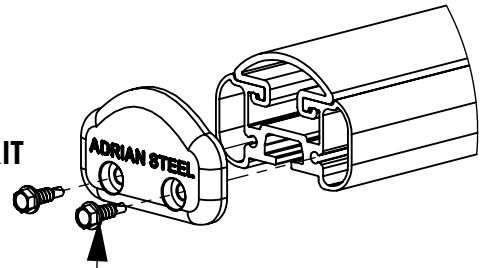
6R. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)

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

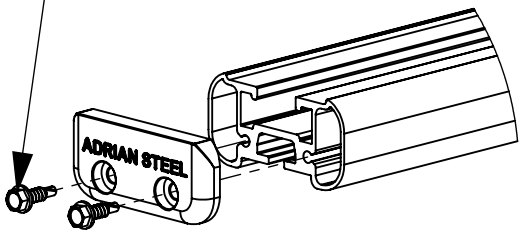
8R. ASSEMBLE END CAPS TO CROSSBOW

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