

PROLIFT MAX DROP 4' DRIVERS SIDE LOW TOPPER LADDER RACKS

PRODUCT WEIGHT

63.5 LBS

WIDTH X DEPTH X HEIGHT

82.00" X 32.00" X4.00"

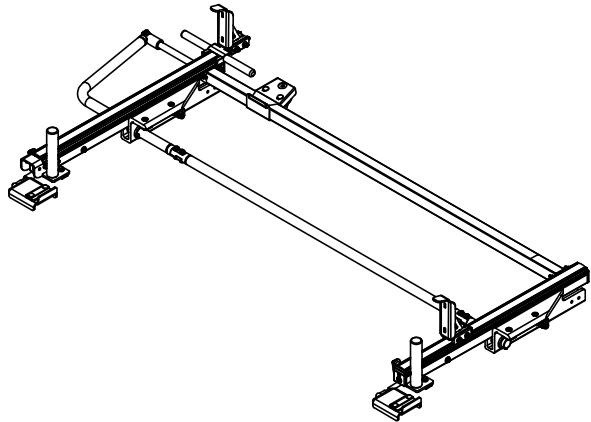
CAPACITY

SINGLE LADDER

COLOR

WHITE/BLACK

CATALOG NUMBER



PLMDDSLT4W, PLMDDSLT4B

PRODUCT FEATURES

ProLift™ Max Drop LOW Topper racks can be used on ADRIAN STEEL BIFF, LEER, UNICOVER and ARE truck toppers with bed lengths from 4'6" - 6'1" with appropriate rail kit, crossbow kit and mounting bracket kit. Use rail kits, crossbow kits, and mounting bracket kits listed in the table below to create new rack combinations. These racks include an attached handle.

The Max-Drop ProLift™ has a single function that lowers the ladder to a single set height and a secondary function that lowers the rear of the ladder even further to a safer more ergonomic height. Most similar to our previous DDLR drop-down series.

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

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

Commercial Part Numbers							
Vehicle Platform	Bed Length	Bed Length (in)	Roof Rail Kit	Crossbow kit	Mounting Bracket Kit	Pro-Lift (Passenger Side)	Pro-Lift (Drivers Side)
Maverick	4'6"	54"	RRKTOP55/UC	2BARTOPW	MAVRMBK4W	PLSDPSLT4	PLSDDSLT4
All	4'10" - 5'6"	58" - 66"	RRKTOP58/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4
All	5'7" - 6'1"	67"-73"	RRKTOP67/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4

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.

PAGE 1 OF 2

PROLIFT MAX DROP 4' DRIVERS SIDE LOW TOPPER LADDER RACKS

CATALOG NUMBER

PLMDDSLT4W, PLMDDSLT4B

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)
RRKTOP55	ROOF RAIL KIT, TOPPER, 55"
RRKTOP58	ROOF RAIL KIT, TOPPER, 58"
RRKTOP67	ROOF RAIL KIT, TOPPER, 67"
RRKTOP55UC	ROOF RAIL KIT, TOPPER, 55" UNICOVER
RRKTOP58UC	ROOF RAIL KIT, TOPPER, 58" UNICOVER
RRKTOP67UC	ROOF RAIL KIT, TOPPER, 67" UNICOVER
2BARTOPW / B	2BAR UTILITY RACK, TOP
2BAR53W / B	2BAR, CROSSBOW, 53"
URMBK4W / B	UTILITY, MNT BKT KT, RAIL
PLMDPSLT4W/B	PROLIFT, MAX, PS, LOW TOP, 4
GL-TOPPSW / B	GRIP-LOCK, TOP PS

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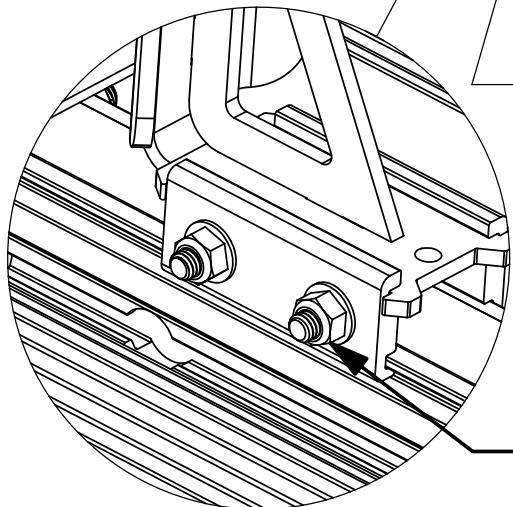
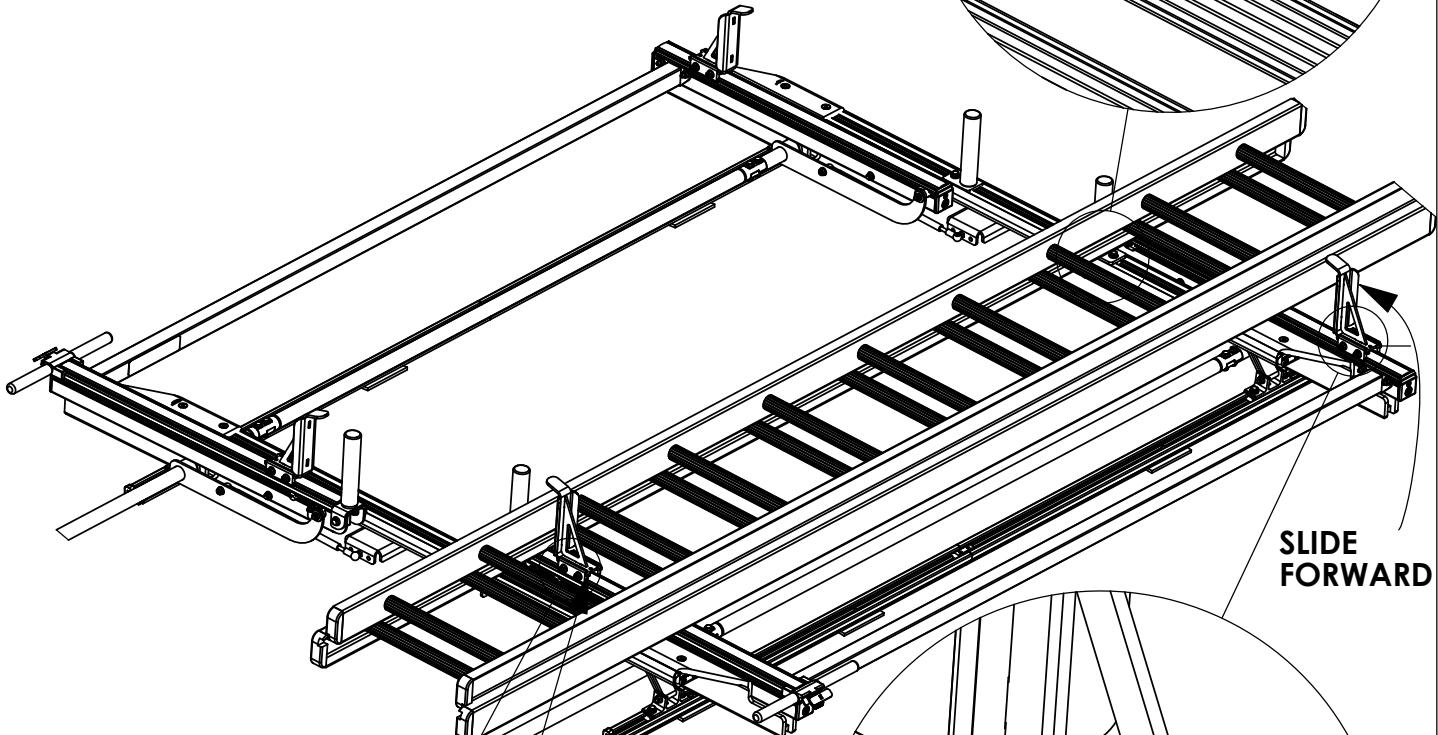
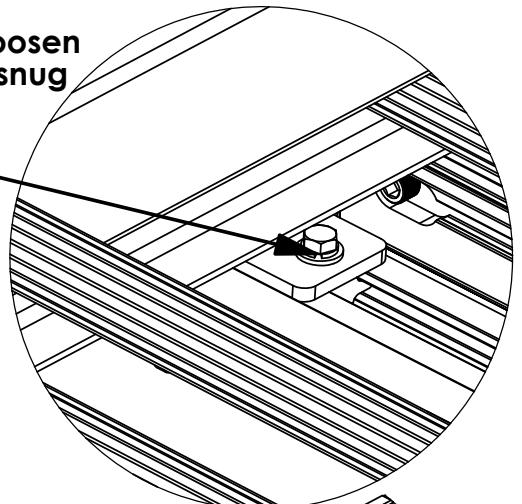
INSTR.
NUMBER : **69483**

PG: **1** REV:
A

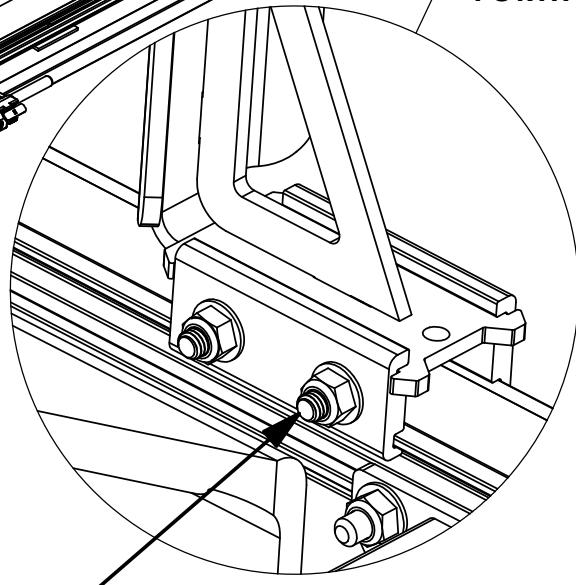
PART • **Max Drop ProLift -**
NUMBER • **Low & Mid-Roof**

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**



**Step 1: With 1/2" Socket loosen nuts (x2)
slide clamp so that it is snug against ladder
Tighten nuts (X2)**



**Step 3: With 1/2" Socket loosen
nuts (x2) slide clamp so that it is
snug against outside of ladder
Tighten nuts (X2)**

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

INSTR. NUMBER : **70119**

PG: **1** REV: **C**

PART NUMBER : **PLMDPSLT & PLMDDSLT**

PART • **PROLIFT,MAX,PS,LT**
DESC. • &
PROLIFT,MAX,DS,LT

NOTE: DRIVE LINE LIST

16

KIT PART NO.	DRIVE LINE
PLMDDSLT4	70323-B
PLMDPSLT4	7321-B
PLMDDSLT5	68419-B
PLMDPSLT5	68414-B
PLMDDSLT6	66563-B
PLMDPSLT6	66572-B

NOTE: FRONT DROP DOWN CART.

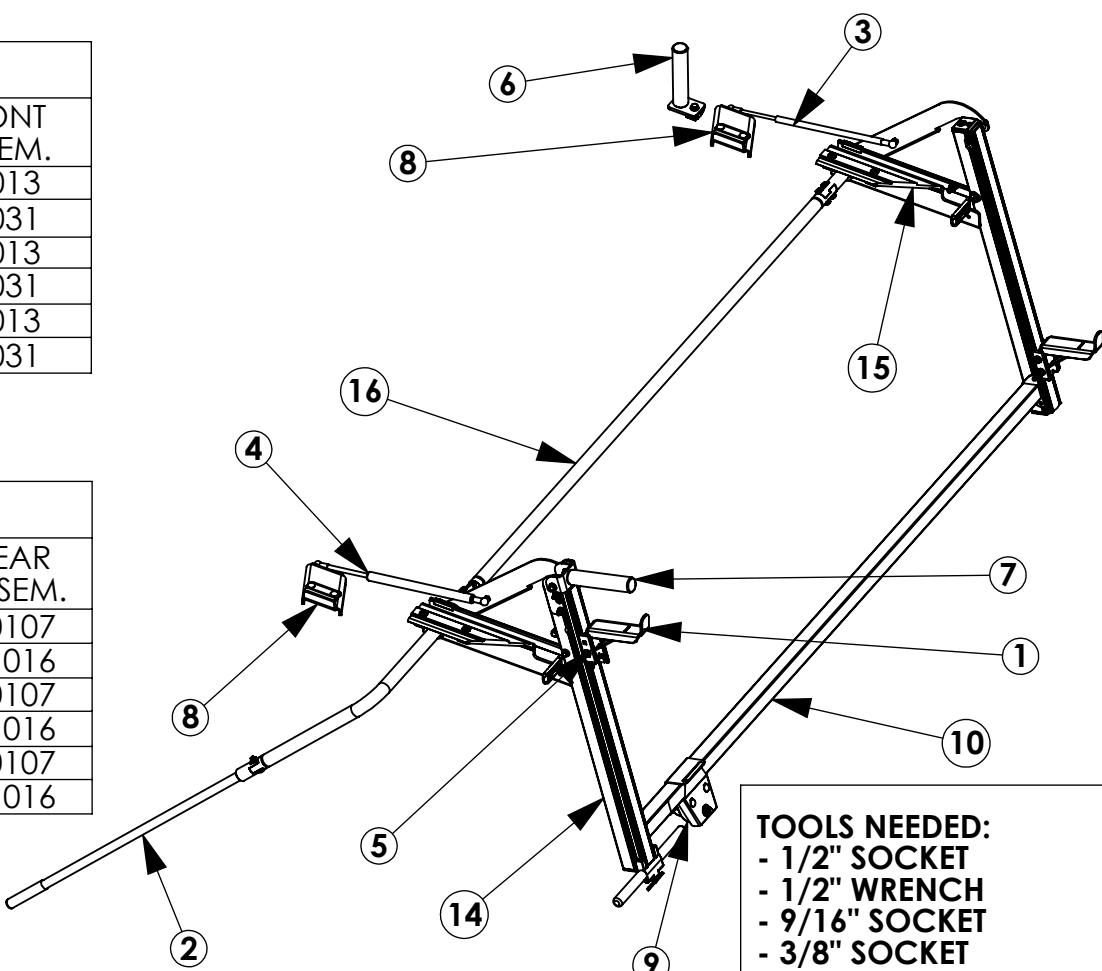
15

KIT PART NO.	FRONT ASSEM.
PLMDDSLT4	68013
PLMDPSLT4	68031
PLMDDSLT5	68013
PLMDPSLT5	68031
PLMDDSLT6	68013
PLMDPSLT6	68031

NOTE: REAR DROP DOWN CART.

14

KIT PART NO.	REAR ASSEM.
PLMDDSLT4	70107
PLMDPSLT4	71016
PLMDDSLT5	70107
PLMDPSLT5	71016
PLMDDSLT6	70107
PLMDPSLT6	71016



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

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

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).

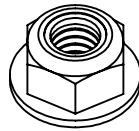
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

PAGE:

3

FASTENERS AND HARDWARE USED

BAG REFERENCE: BAG68181 & BAG68182



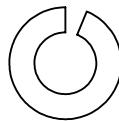
FAS0861
NUT,HEX NLK FLG 5/16-18
QTY: 20



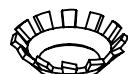
FAS0110
NUT,HEX NLK 3/8-16
QTY: 01



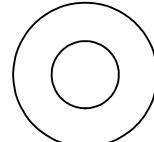
FAS0399
NUT,HEX NLK LT 3/8-16
QTY: 01



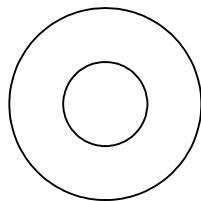
FAS0588
WASHER,LCK SPLIT 5/16
QTY: 03



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



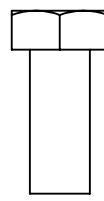
FAS0552
WASHER,FLAT USS 5/16
QTY: 09



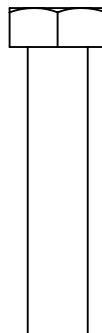
FAS0720
WASHER,FLAT USS 3/8
QTY: 01



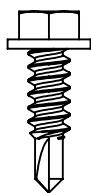
FAS0283
SCREW,HH 5/16-18X.875
QTY: 03



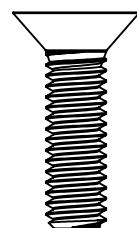
FAS0799
SCREW,HH 5/16-18X.75
QTY: 02



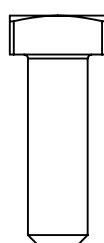
FAS0242
SCREW,HH 5/16-18X1.5
QTY: 04



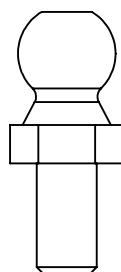
FAS0473
SCREW,HH TEK #12X.75
QTY: 04



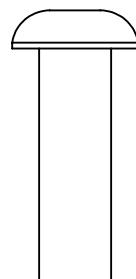
FAS0856
SCREW,FHH 5/16-18X1.13
QTY: 04



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



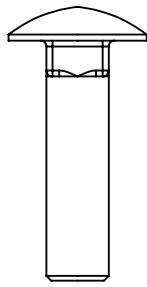
34927-0
BALL STUD 13MM X 5/16-18
QTY: 02



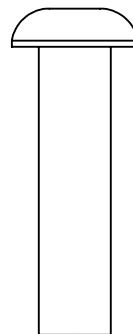
FAS0701
SCREW,BHCS 3/8-16X1.25
QTY: 01

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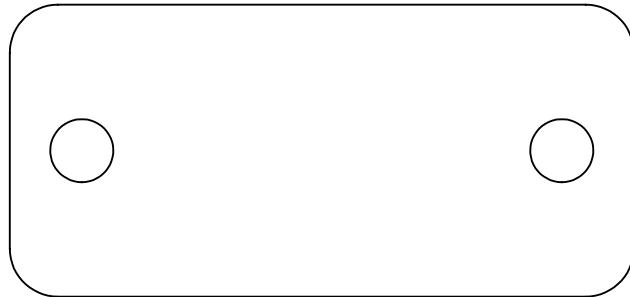
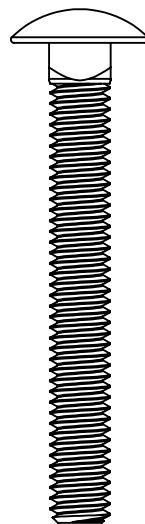
FASTENERS AND HARDWARE USED



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

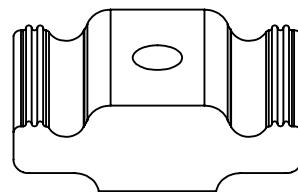


FAS0819
SCREW,BHCS 3/8-16X1.5
QTY: 01

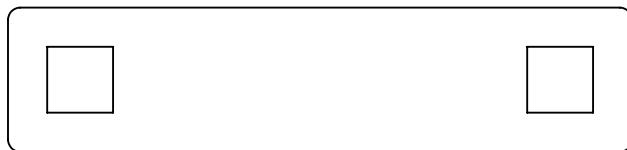


64831
REAR ROLLER, SPACER
QTY: 02

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



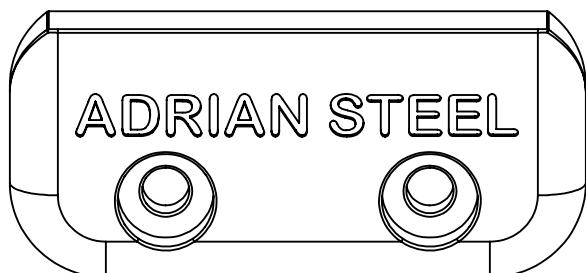
63490
RAIL SLIDE, 1"
QTY: 05



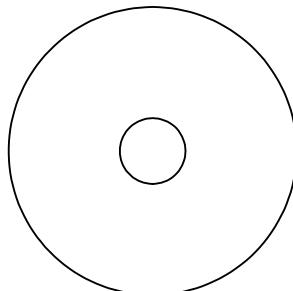
64830
REAR ROLLER, BOLT PLATE
QTY: 02



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



65961
DROP DOWN END CAP
QTY: 02



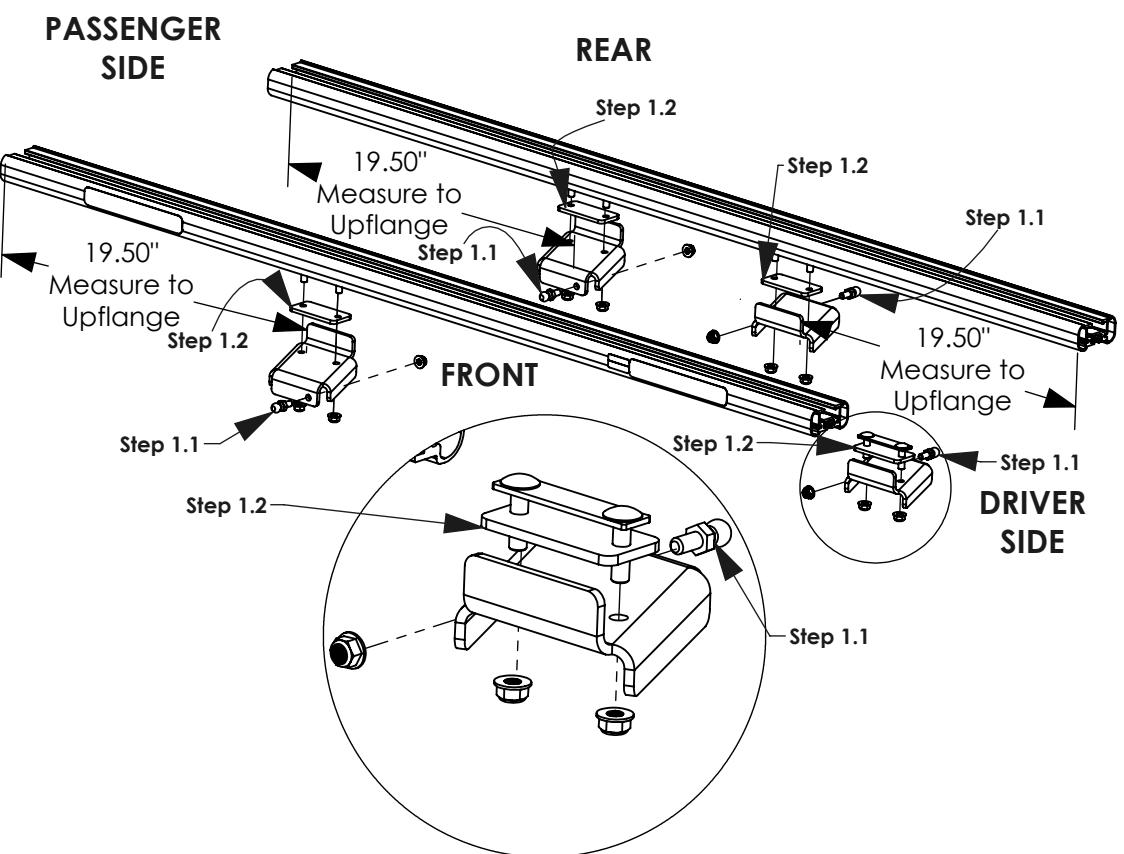
DISCARD FAS0603
SCREW,HH 5/16-18X.875
QTY: 01

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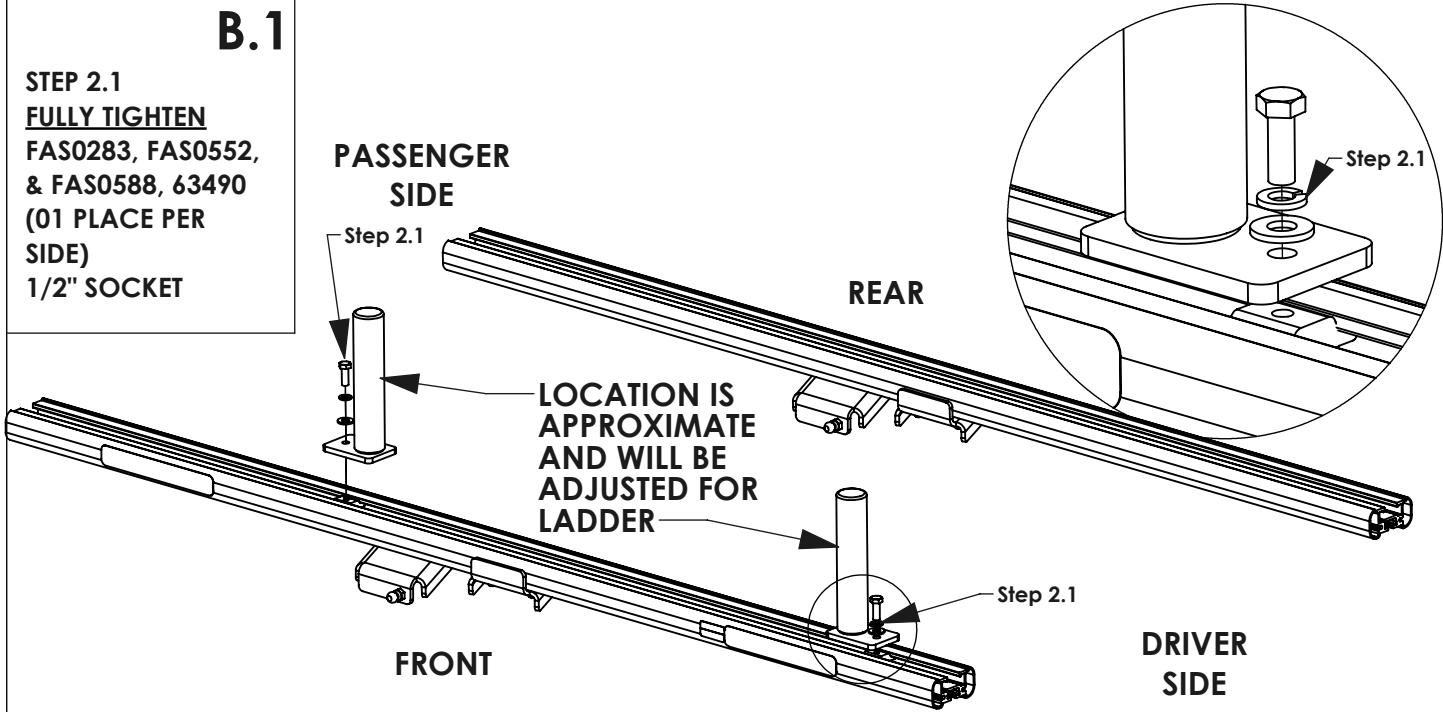
STEP 1 - MOUNT DAMPER BRACKETS**A.2**

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

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

**STEP 2 - MOUNT INNER STOPS TO FRONT CROSSBOW****B.1**

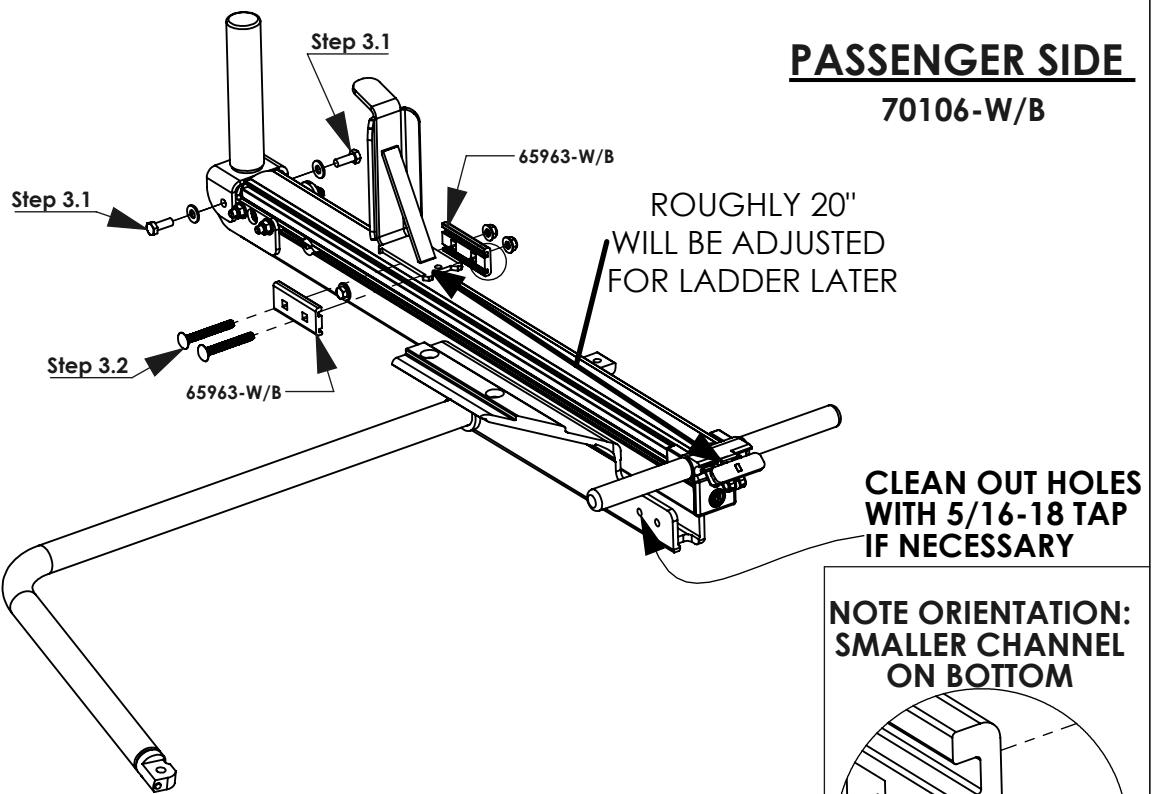
STEP 2.1
FULLY TIGHTEN
FAS0283, FAS0552,
& FAS0588, 63490
(01 PLACE PER
SIDE)
1/2" SOCKET



STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

REAR SUB-ASSEMBLY

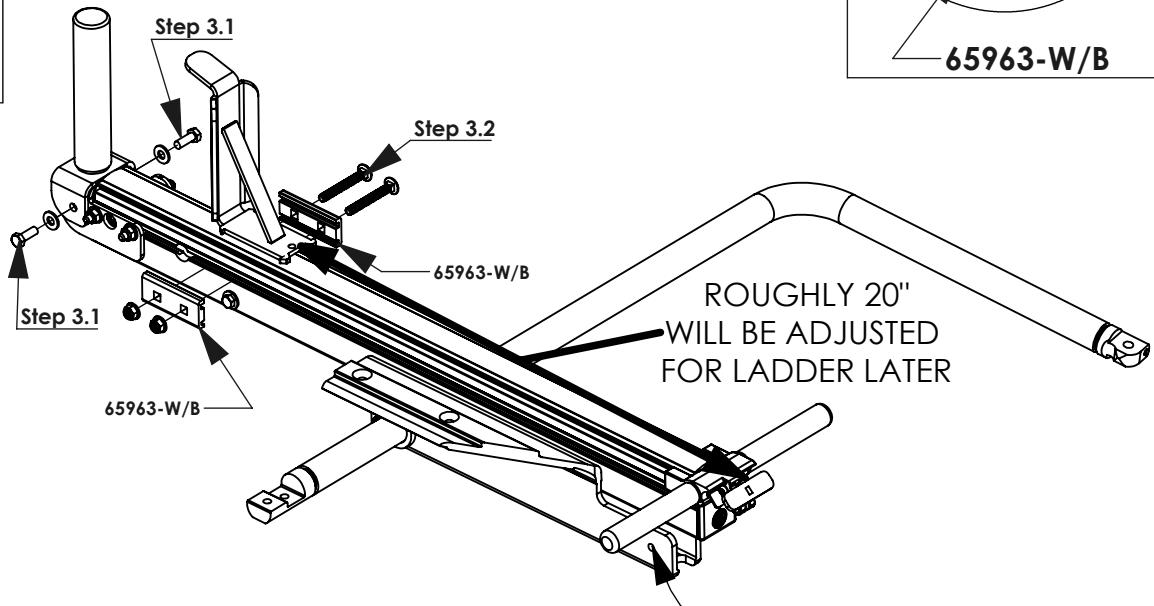
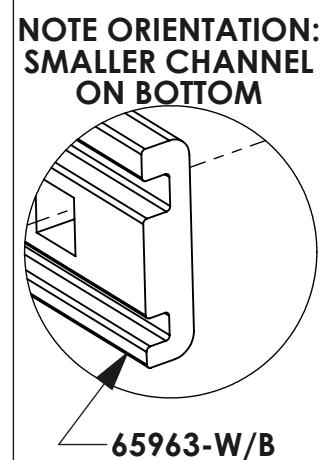
STEP 3.1
FULLY TIGHTEN
 FAS0283, FAS0552,
 & FAS0861
 (02 PLACES)
 1/2" WRENCH
 1/2" SOCKET



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

DRIVER SIDE

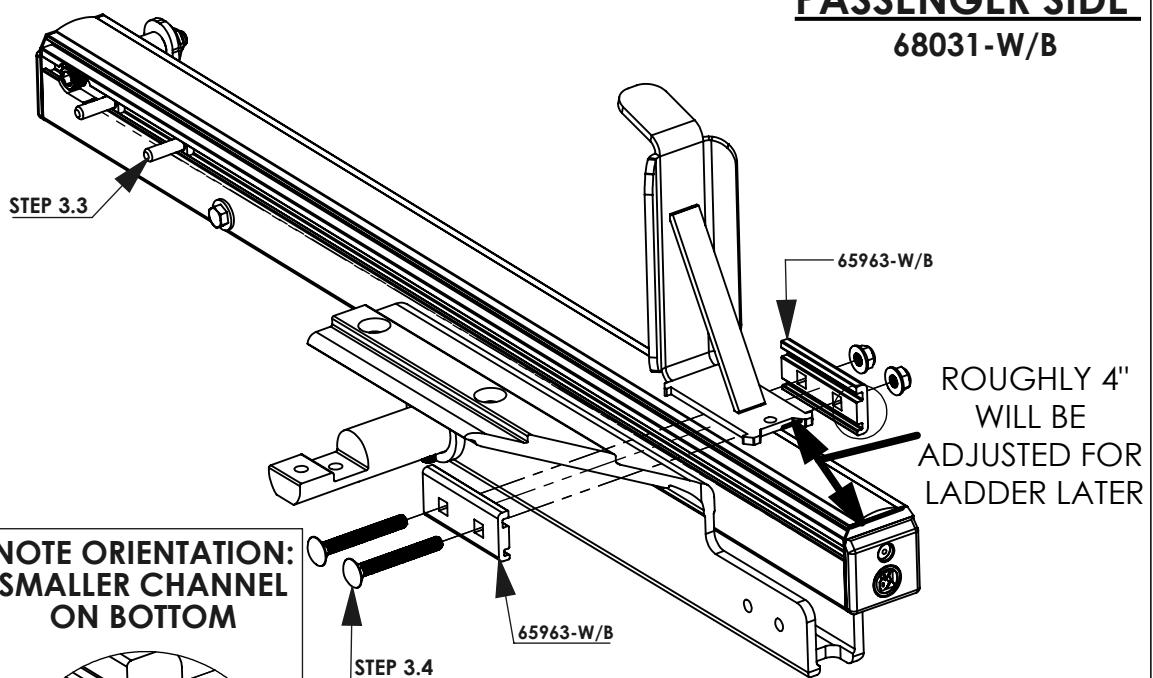
70107-W/B



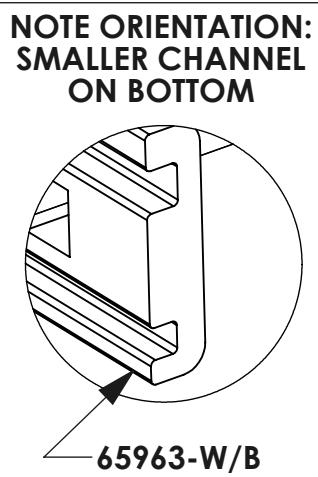
CLEAN OUT HOLES
 WITH 5/16-18 TAP
 IF NECESSARY

STEP 3 CONTINUED**FRONT SUB-ASSEMBLY****PASSENGER SIDE**

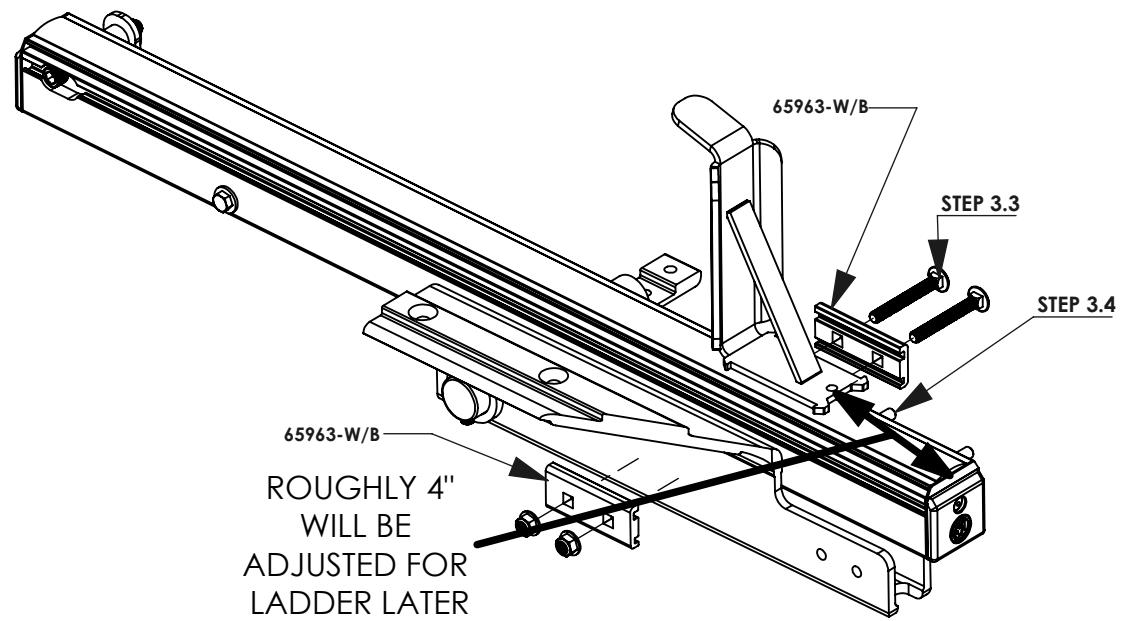
68031-W/B



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

**DRIVER SIDE**

68013-W/B

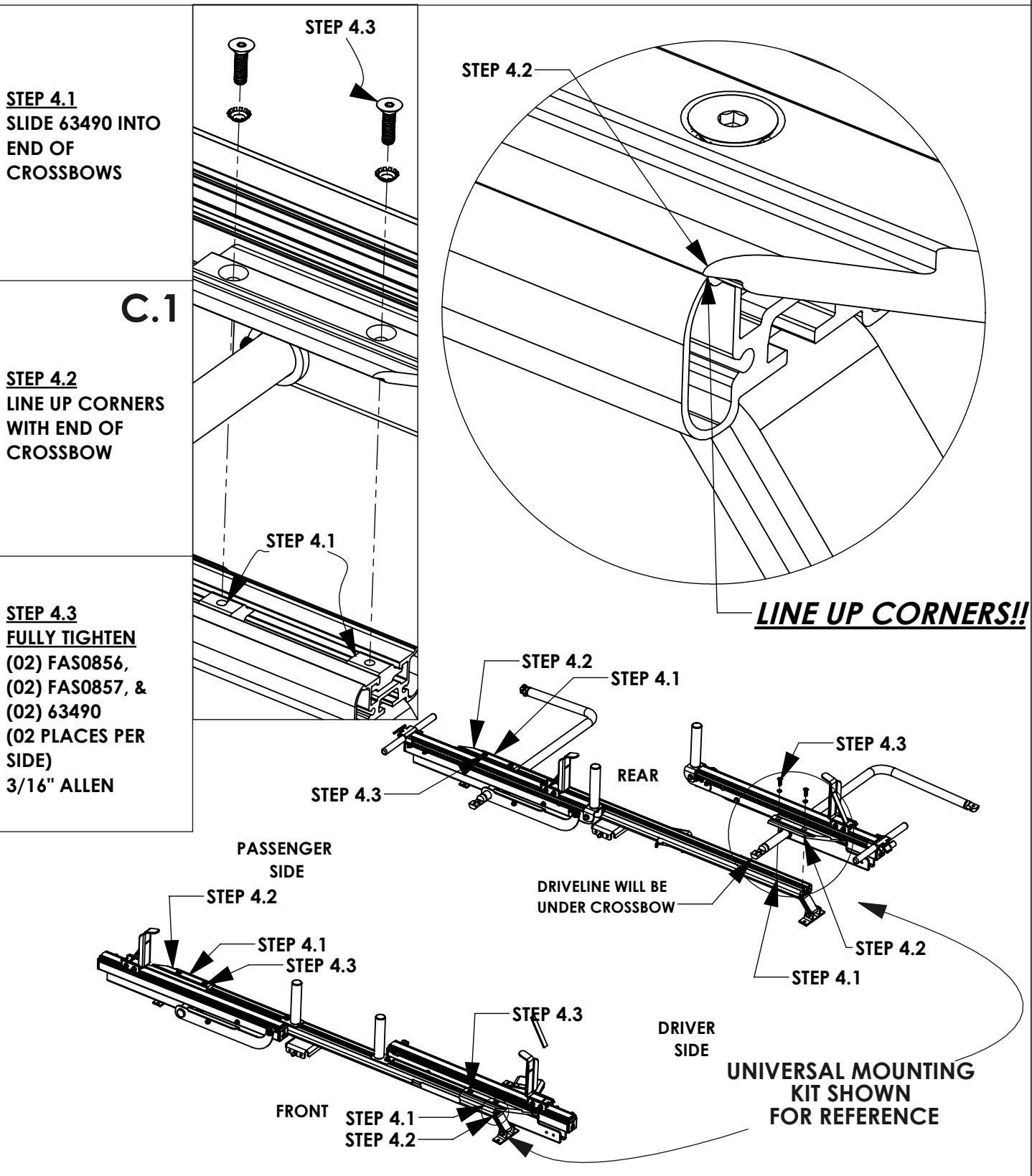


STEP 3.4
FAS0035
SLIDE INTO SLOT
(02 PLACES)



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

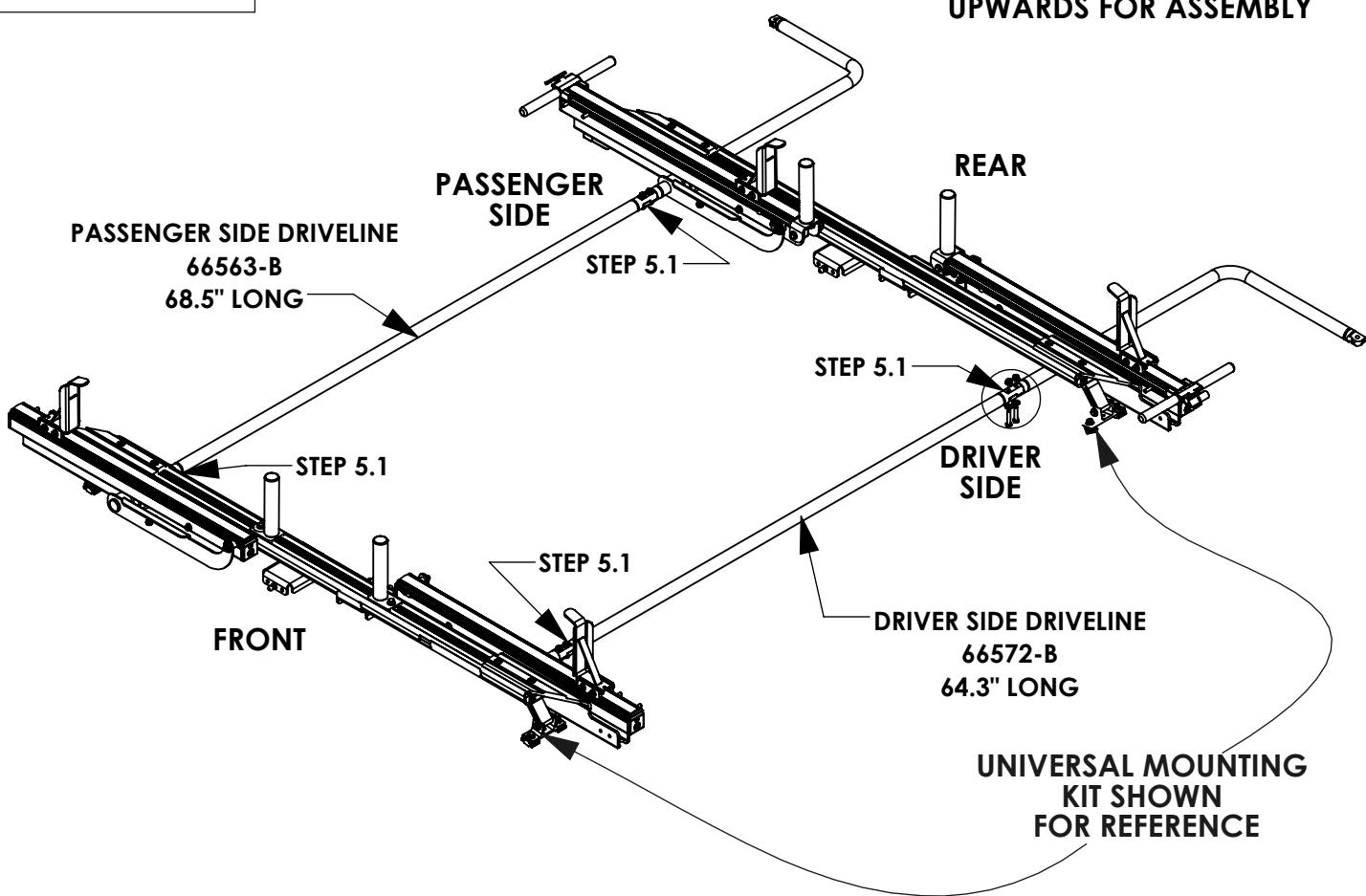
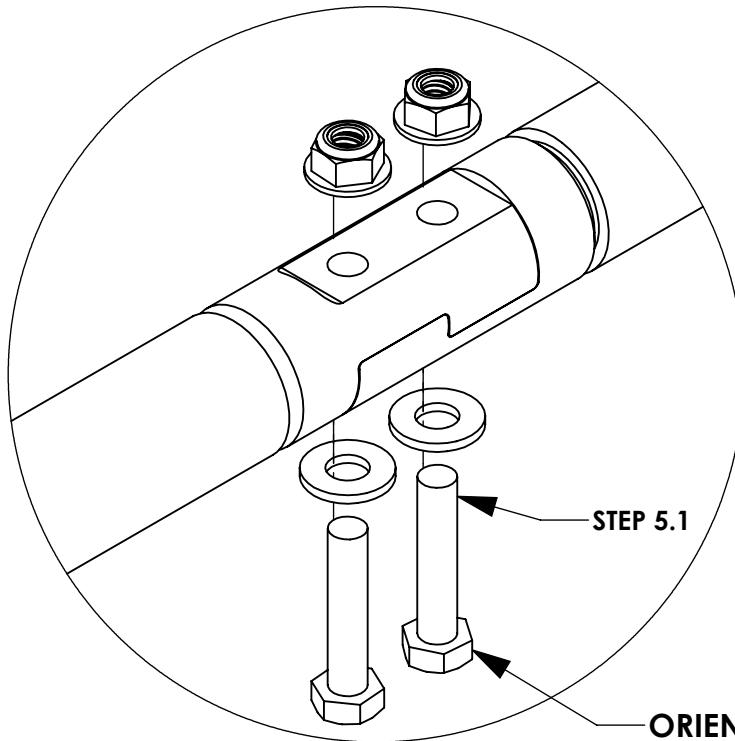
STEP 4 - INSTALL CARTRIDGES ON CROSSBOWS



STEP 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

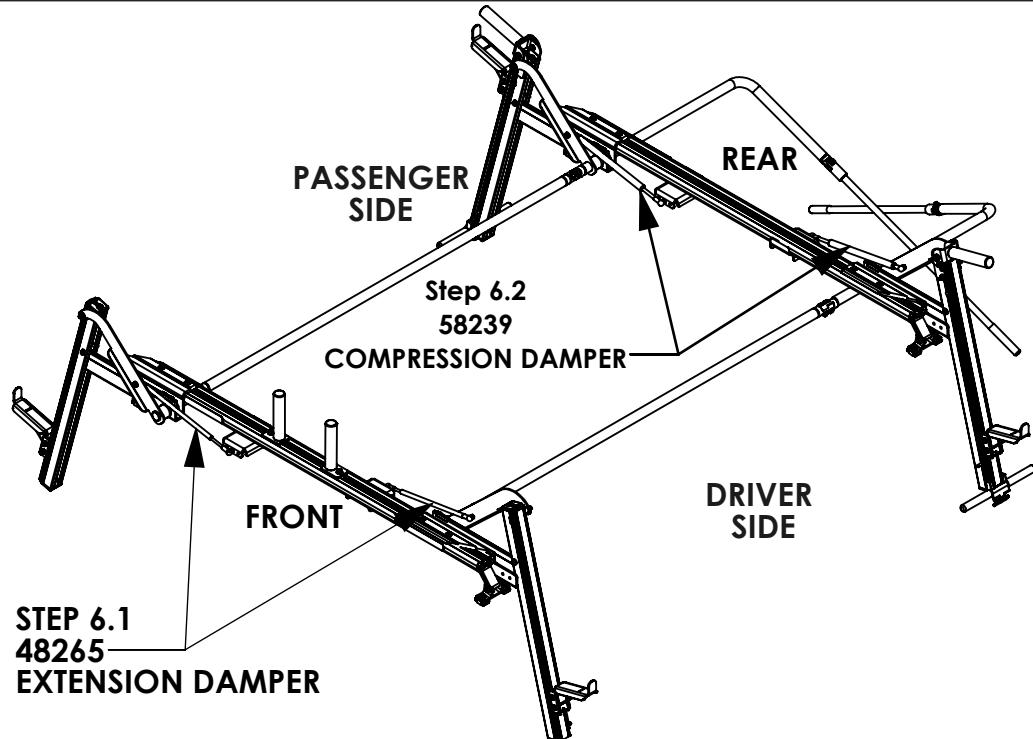
ATTACH COMPRESSION DAMPERS (58239) TO BALL STUDS.

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)



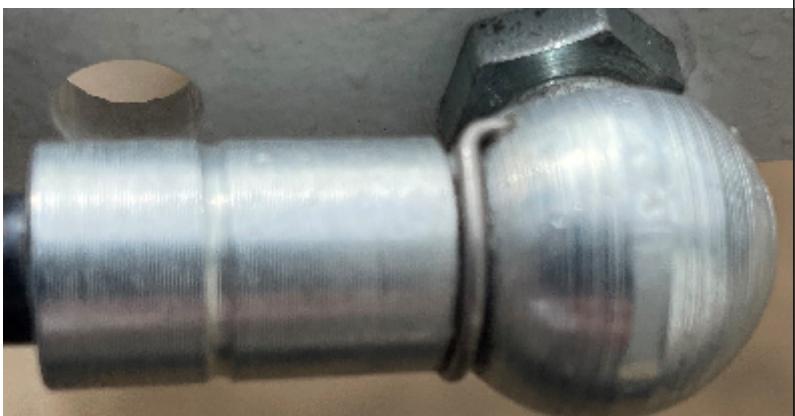
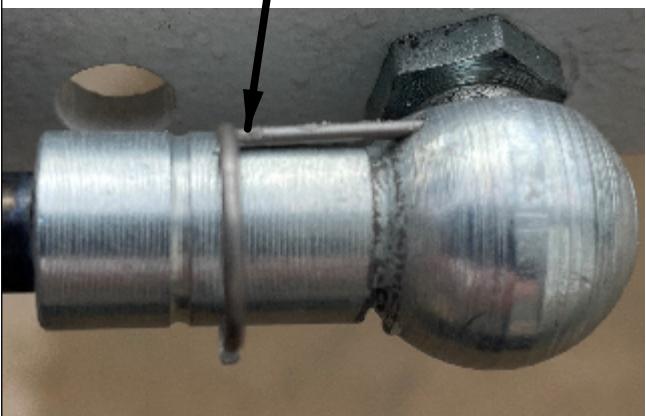
ORIENTATION OF DAMPER MATTERS!!!!



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

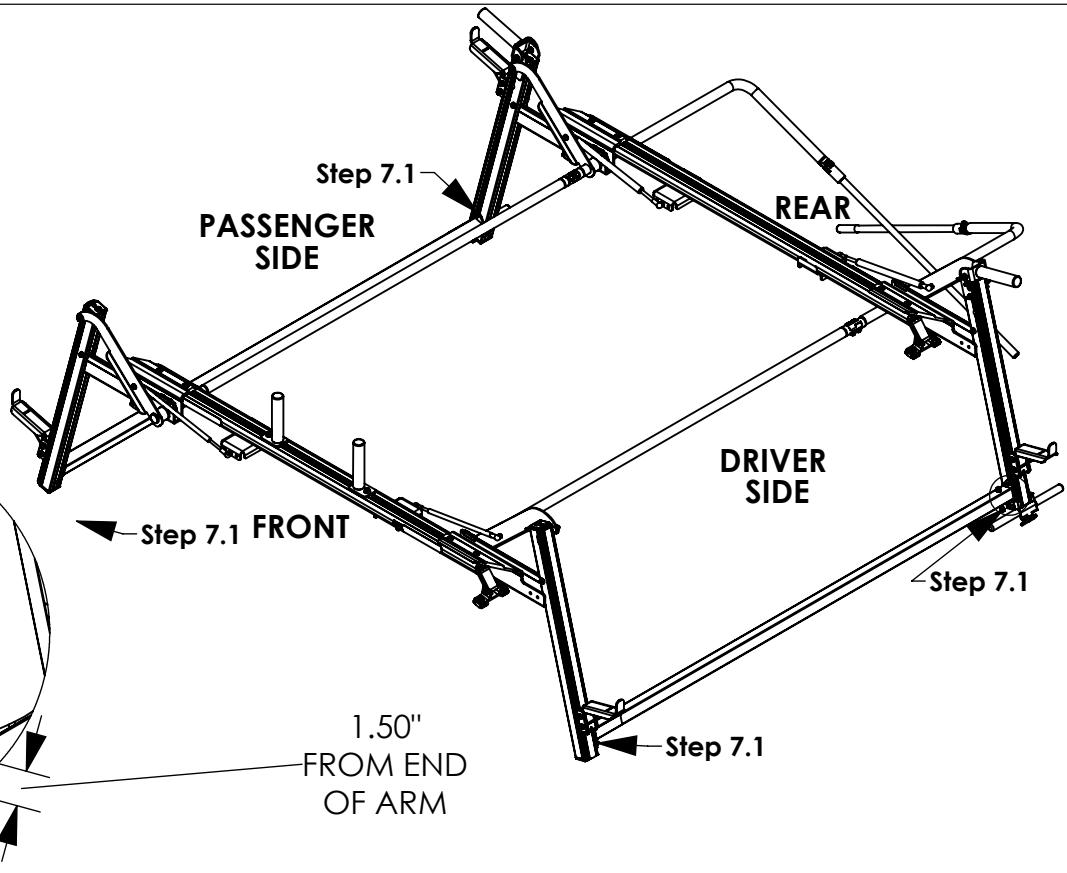
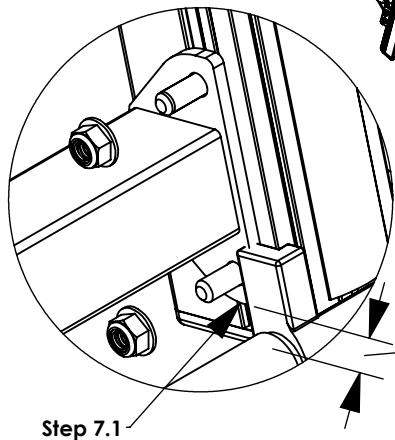
58239 REAR OF RACK
48265 FRONT OF RACK

Step 6.3
34928-0

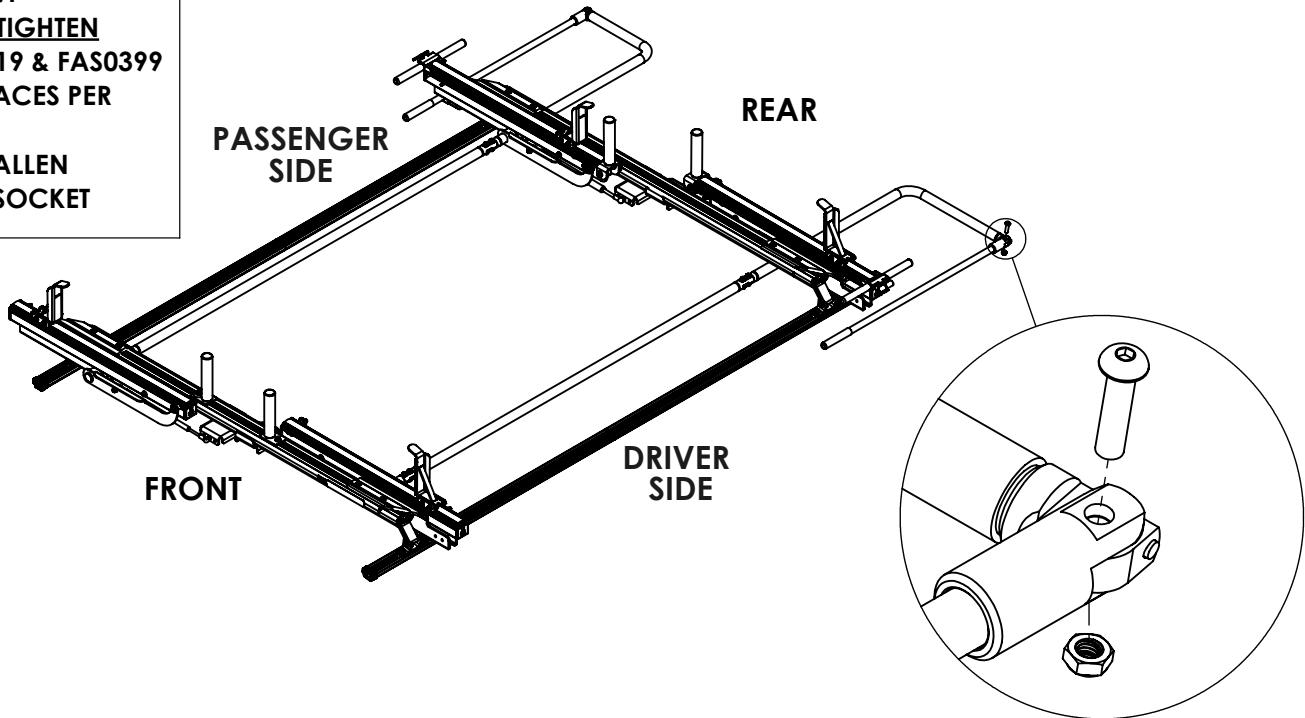


STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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

**STEP 8 - INSTALL DROP DOWN HANDLE**

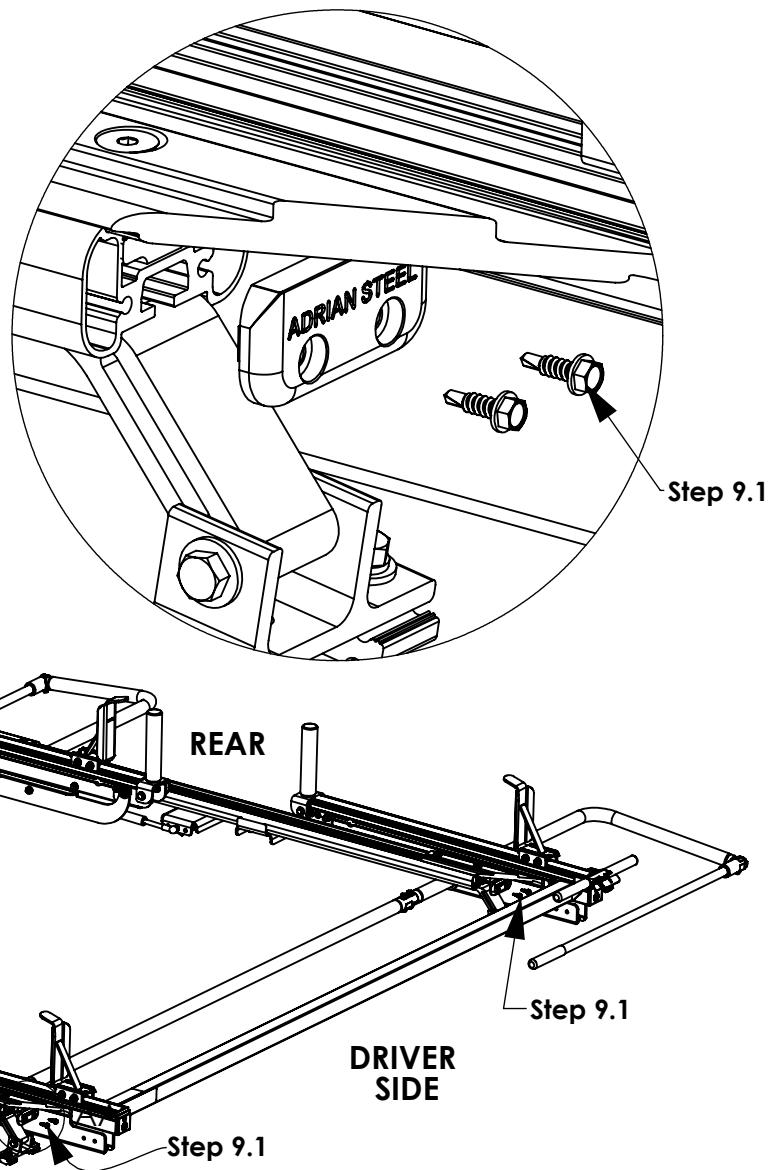
Step 8.1
FULLY TIGHTEN
FAS0819 & FAS0399
(01 PLACES PER
SIDE)
7/32" ALLEN
9/16" SOCKET



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

STEP 9 - INSTALL CROSSBOW END CAPS

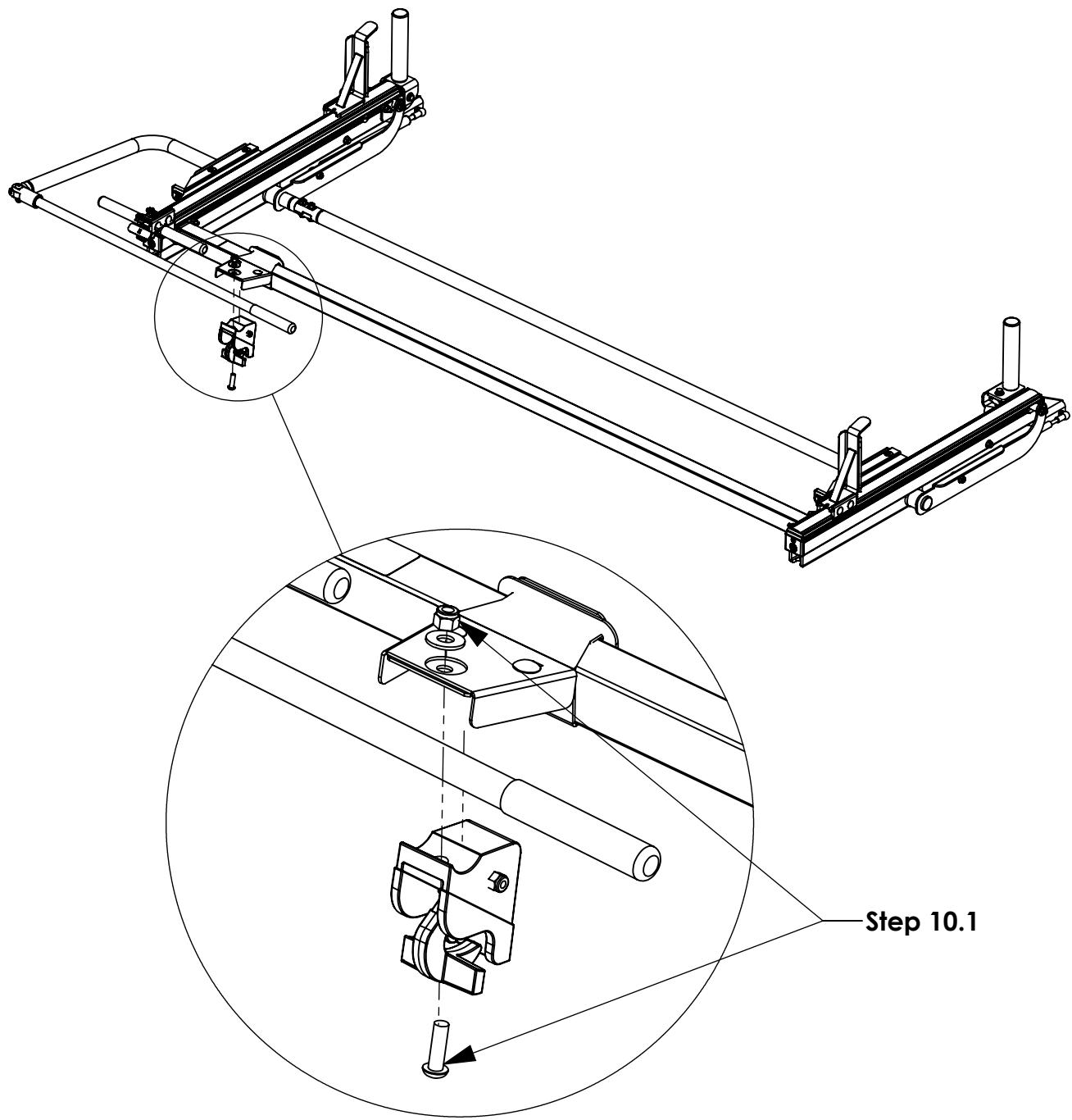
Step 9.1
FULLY TIGHTEN
(02) FAS0473, 65961
(02 PLACES PER SIDE)
3/8" SOCKET



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

STEP 10 - INSTALL HANDLE LATCH

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



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

PROLIFT MAX DROP 4' PASSENGERS SIDE LOW TOPPER LADDER RACKS

PRODUCT WEIGHT

63.5 LBS

WIDTH X DEPTH X HEIGHT

82.00" X 32.00" X4.00"

CAPACITY

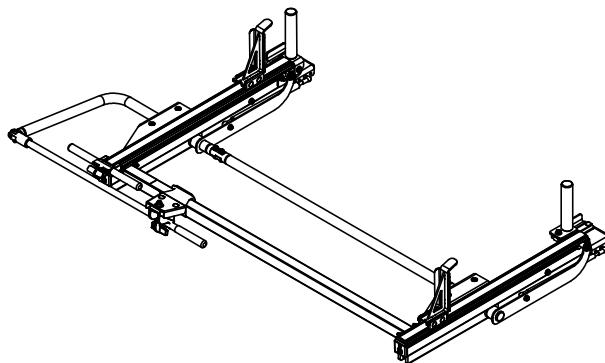
SINGLE LADDER

COLOR

WHITE/BLACK

CATALOG NUMBER

PLMDPSLT4W, PLMDPSLT4B



PRODUCT FEATURES

ProLift™ Max Drop LOW Topper racks can be used on ADRIAN STEEL BIFF, LEER, UNICOVER and ARE truck toppers with bed lengths from 4'6" - 6'1" with appropriate rail kit, crossbow kit and mounting bracket kit. Use rail kits, crossbow kits, and mounting bracket kits listed in the table below to create new rack combinations. These racks include an attached handle.

The Max-Drop ProLift™ has a single function that lowers the ladder to a single set height and a secondary function that lowers the rear of the ladder even further to a safer more ergonomic height. Most similar to our previous DDLR drop-down series.

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

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

Commercial Part Numbers							
Vehicle Platform	Bed Length	Bed Length (in)	Roof Rail Kit	Crossbow kit	Mounting Bracket Kit	Pro-Lift (Passenger Side)	Pro-Lift (Drivers Side)
Maverick	4'6"	54"	RRKTOP55/UC	2BARTOPW	MAVRMBK4W	PLSDPSLT4	PLSDDSLT4
All	4'10" - 5'6"	58" - 66"	RRKTOP58/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4
All	5'7" - 6'1"	67"-73"	RRKTOP67/UC	2BARTOPW	URMBK4W	PLSDPSLT4	PLSDDSLT4

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.

PAGE 1 OF 2

PROLIFT MAX DROP 4' PASSENGERS SIDE LOW TOPPER LADDER RACKS

CATALOG NUMBER

PLMDPSLT4W, PLMDPSLT4B

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)
RRKTOP55	ROOF RAIL KIT, TOPPER, 55"
RRKTOP58	ROOF RAIL KIT, TOPPER, 58"
RRKTOP67	ROOF RAIL KIT, TOPPER, 67"
RRKTOP55UC	ROOF RAIL KIT, TOPPER, 55" UC
RRKTOP58UC	ROOF RAIL KIT, TOPPER, 58" UC
RRKTOP67UC	ROOF RAIL KIT, TOPPER, 67" UC
2BARTOPW / B	2BAR UTILITY RACK, TOP
2BAR53W / B	2BAR, CROSSBOW, 53"
URMBK4W / B	UTILITY, MNT BKT KT, RAIL
PLMDDSLT4W/B	PROLIFT, MAX, DS, LOW TOP, 4
GL-TOPDSW / B	GRIP-LOCK, TOP DS

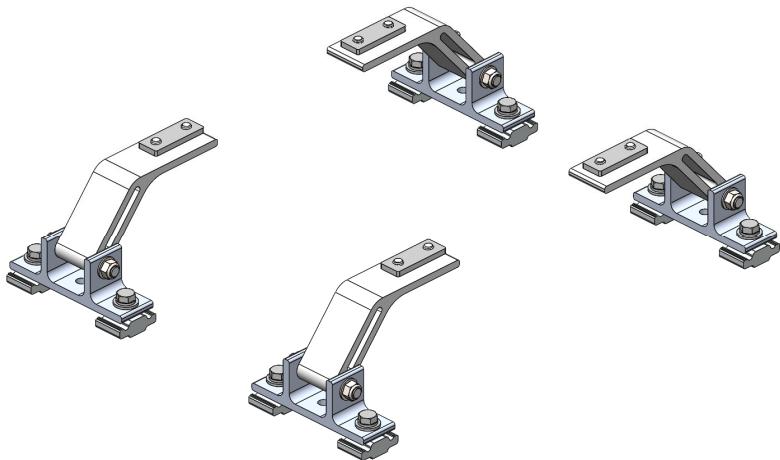
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ADRIAN STEEL®

Cargo Management Solutions for Commercial Vehicles

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



**PRODUCT WEIGHT
4.0 LBS**

HEIGHT OFF ROOF

SEE TABLE BELOW

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

COLOR

BLACK

CATALOG NUMBER

URMBK4B

PRODUCT FEATURES

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

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

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

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

PAGE 1 of 2

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CATALOG NUMBER

URMBK4B

PRODUCT APPLICATION

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

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

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

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

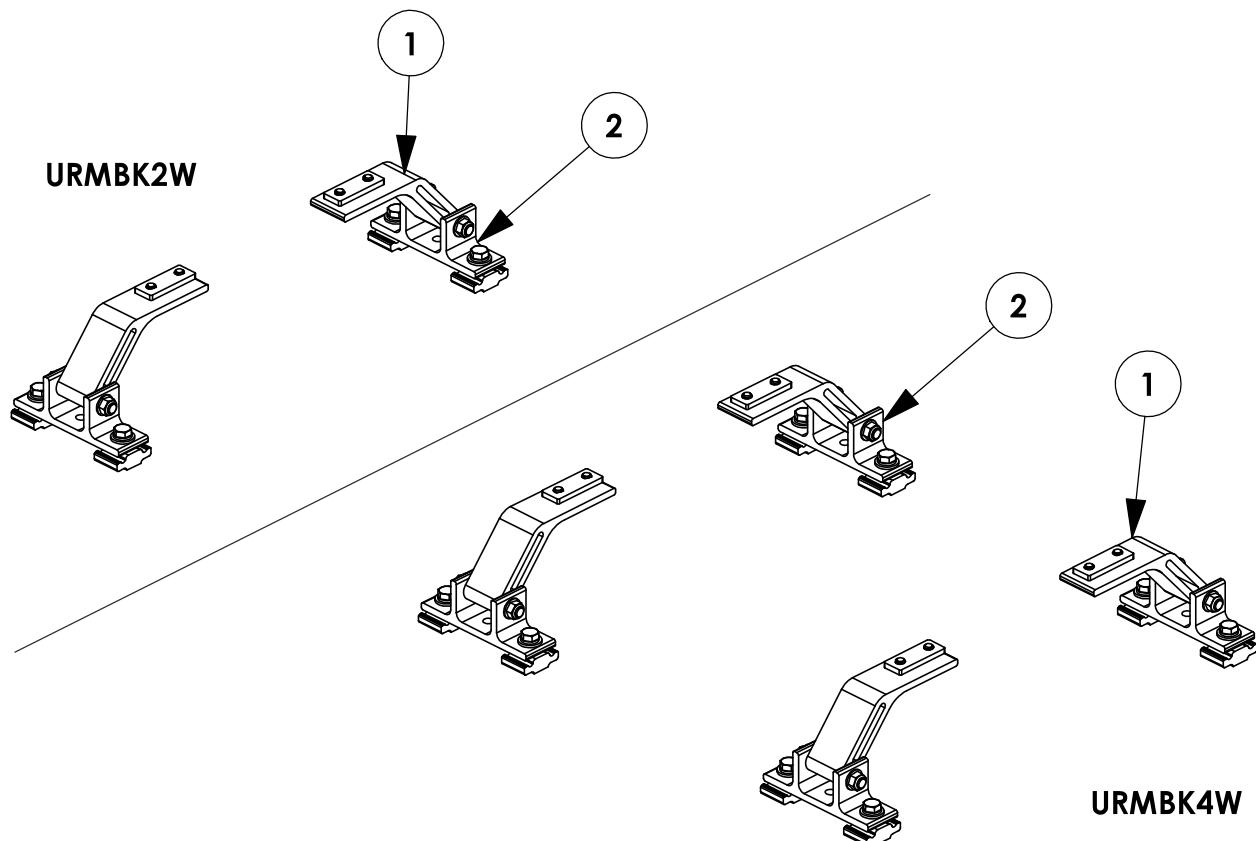
INSTR. NUMBER	66850	PG: 1	REV: E
PART NUMBER	URMBK		
PART DESC.	• UTILITY,MNT BKT KT,RAIL		

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



TOOLS NEEDED:

- DRIVE RATCHET
- IMPACT DRIVER
- 3/16" SOCKET
- 1/2" SOCKET
- 1/2" WRENCH
- TAPE MEASURE

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

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

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

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

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

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

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

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

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

PAGE:

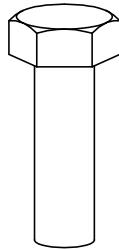
3

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



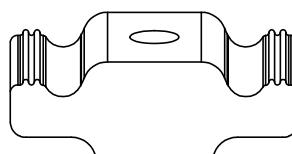
FAS0857
5/16 SS WASHER,
LOCK EXT CS
QTY: 8



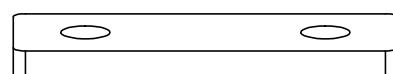
FAS0588
5/16 SS
SPLIT WASHER
QTY: 8



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

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STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW

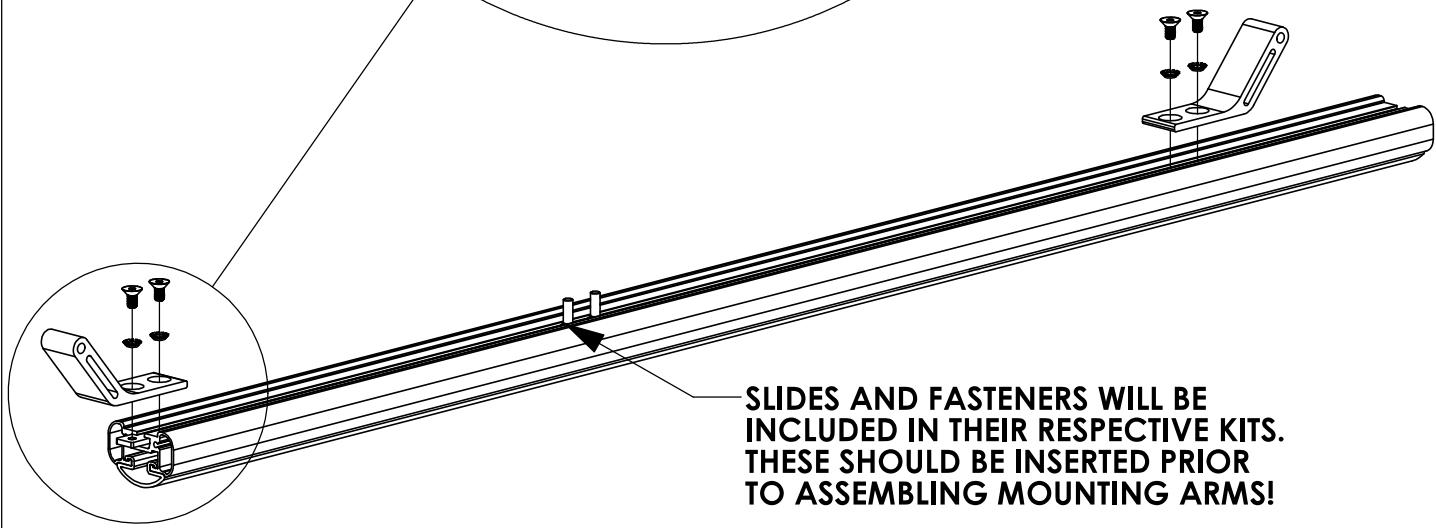
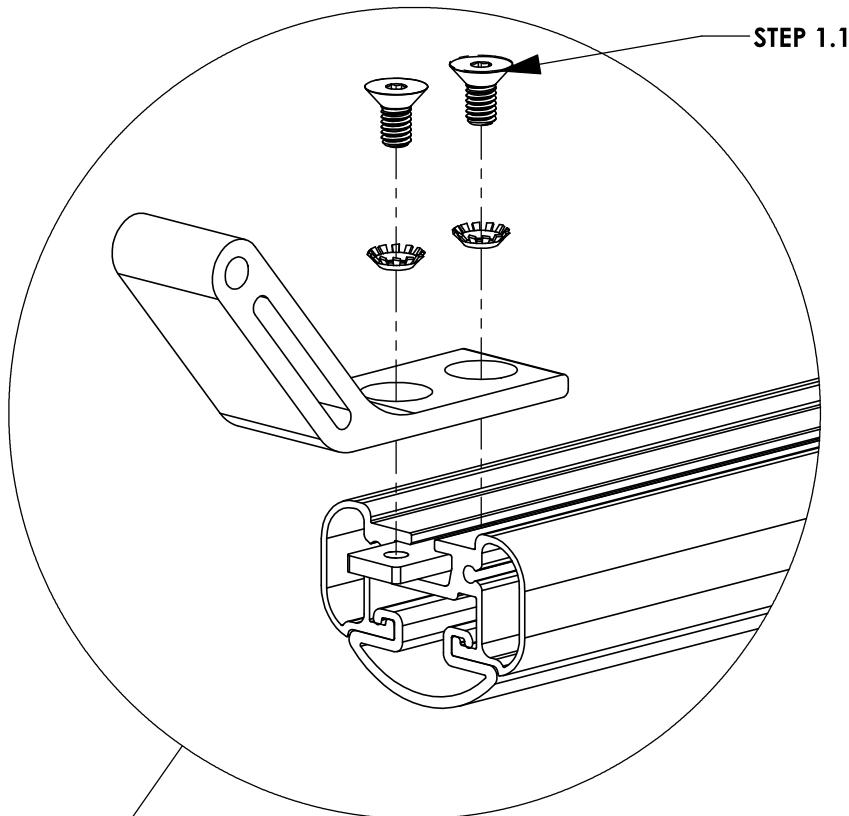
CHECK TABLE 1-3 IN INSTRUCTION 68895 FOR ADDITIONAL ACCESSORY SLIDE INSTALLATION BEFORE INSTALLING MOUNTING BRACKETS (ALL A.2 ITEMS SHOULD BE COMPLETELY ASSEMBLED FIRST!)

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

(02 PLACES PER
CROSSBOW)
3/16" ALLEN

ATTENTION!

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

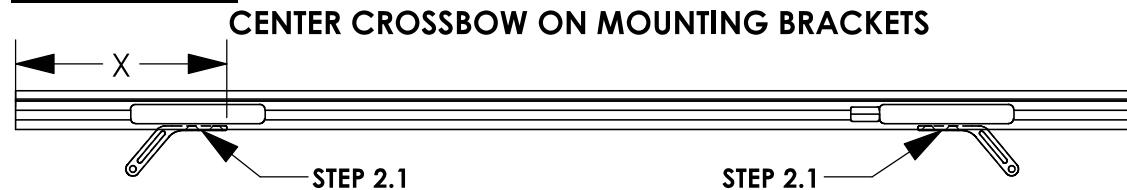


SLIDES AND FASTENERS WILL BE INCLUDED IN THEIR RESPECTIVE KITS. THESE SHOULD BE INSERTED PRIOR TO ASSEMBLING MOUNTING ARMS!

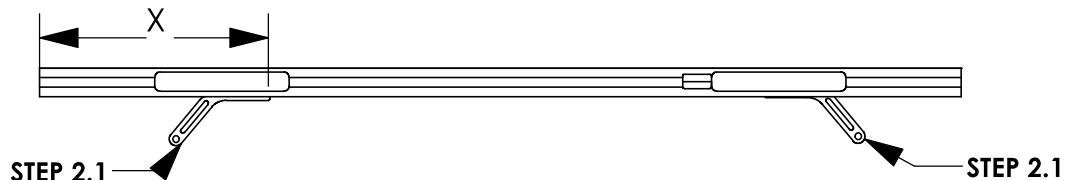
STEP 2 - SECURE CROSSBOW

STEP 2.1
FULLY TIGHTEN
FROM STEP 1.1

(04 PLACES PER
CROSSBOW)
3/16" ALLEN

FULL SIZE VANS

DIMENSION WILL
VARY BASED ON
ROOF RAIL
PLACEMENT ON
TOPPER

PICKUP TRUCK TOPPERS

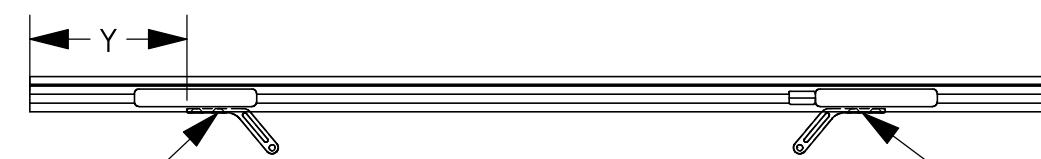
FEET ORIENTATION FOR DUAL PROLIFT SHOWN



GRIP-LOCK SIDE

PROLIFT SIDE

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

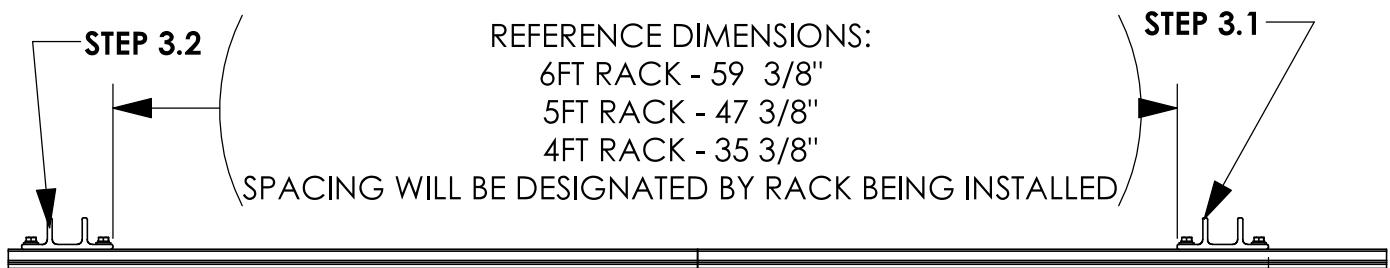
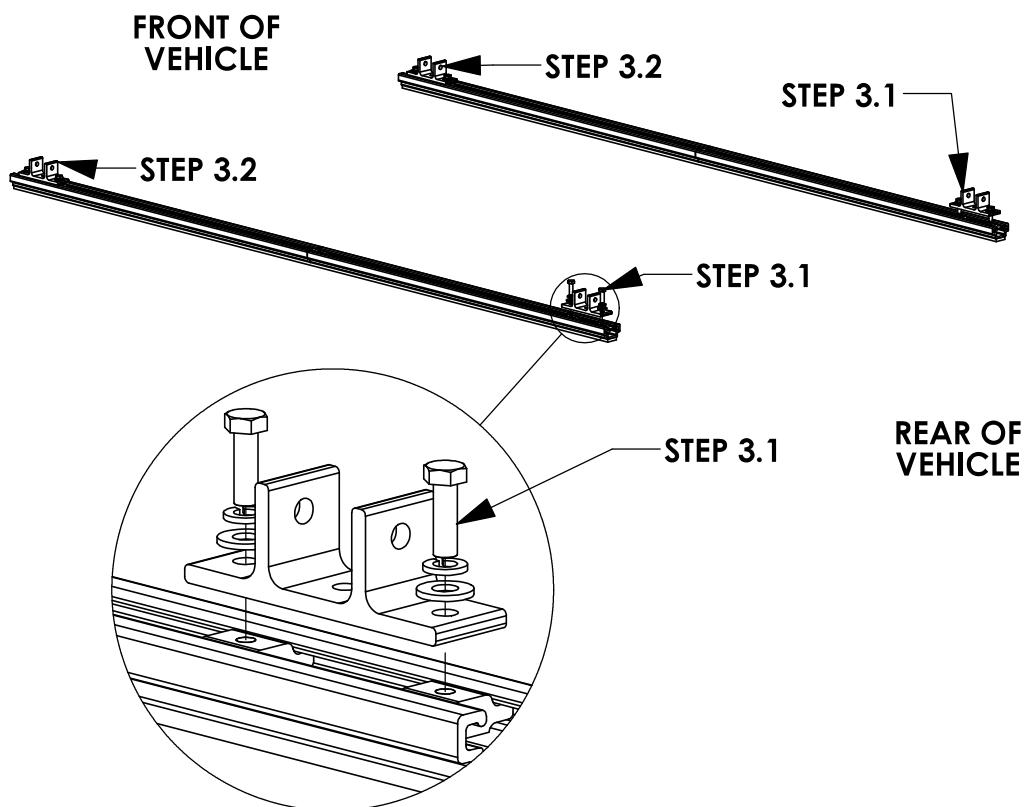
STEP 3 - ASSEMBLE LOWER MOUNTING FOOT TO ROOF RAIL

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



FRONT OF
VEHICLE

X
REAR OF
VEHICLE

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

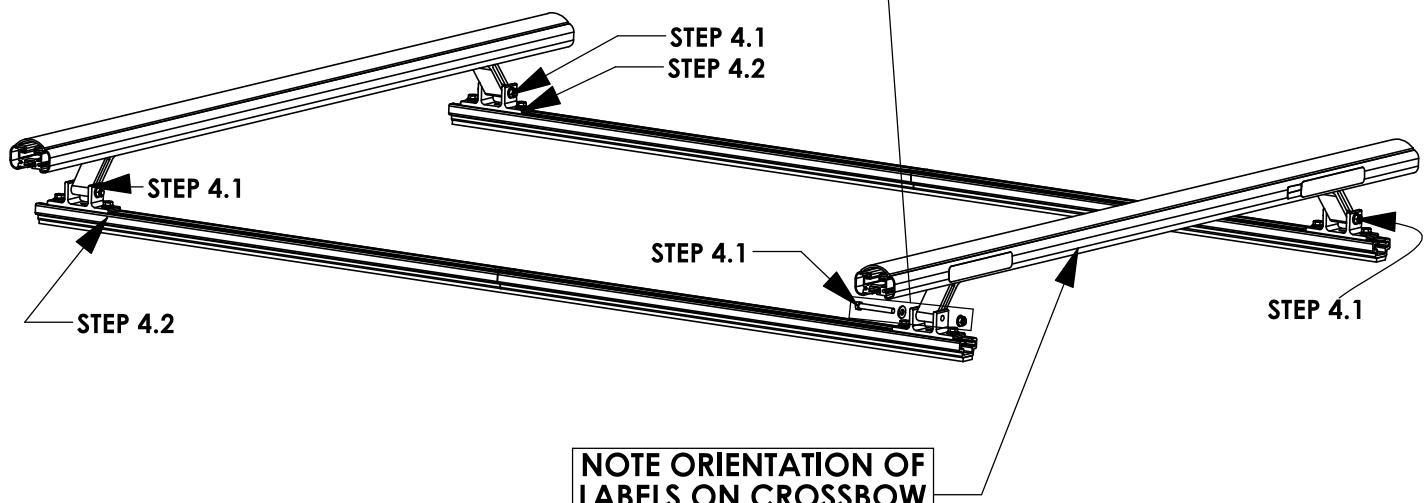
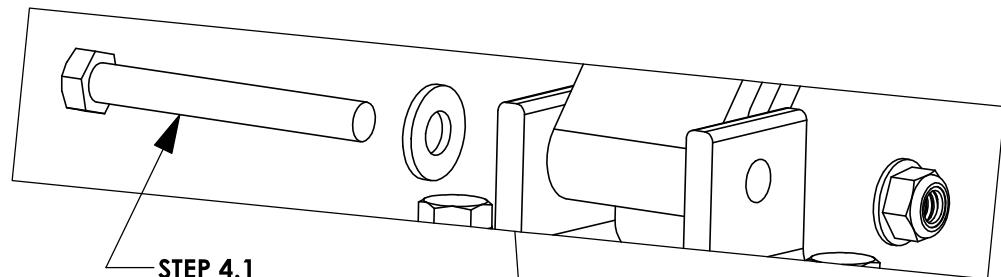
STEP 4 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS**BEFORE PROCEEDING WITH THIS STEP FINISH ASSEMBLING
ACCESSORIES ONTO RACK. (IE GRIP LOCK, PROLIFT, ETC)**

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

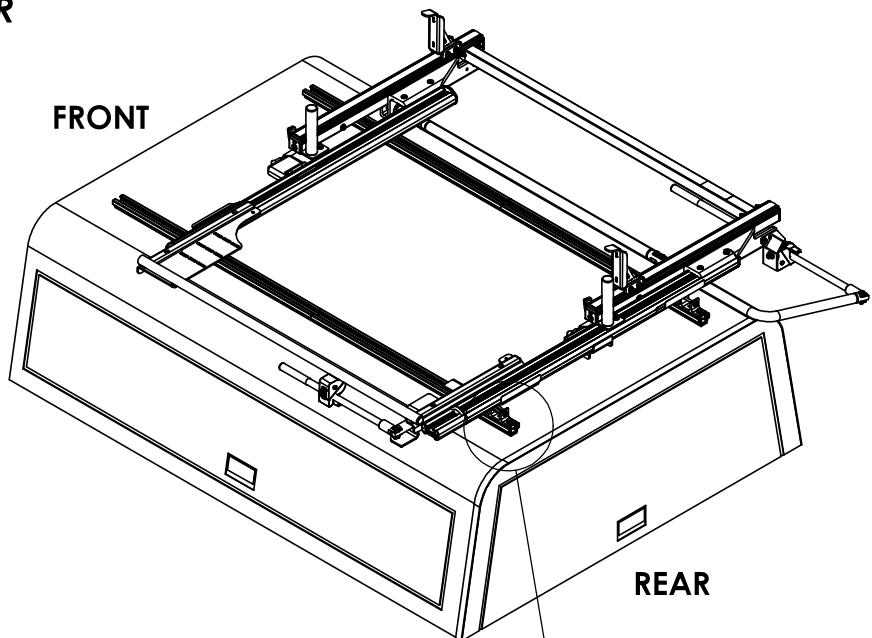
GRIP LOCK/PROLIFT LADDER RACKS -

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

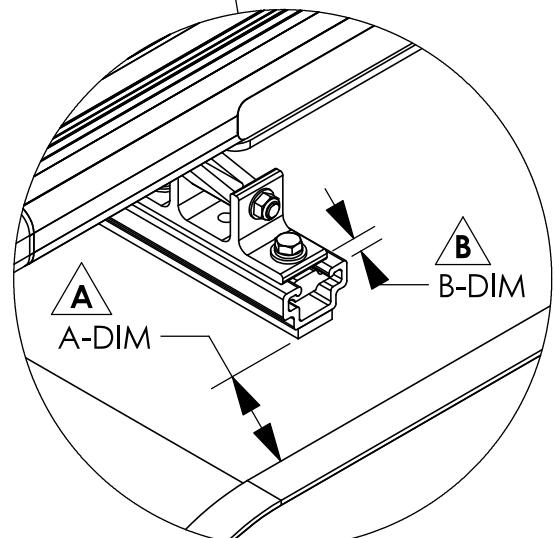
6' ARE TOPPER / 8' LEER TOPPER

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 PREVIOUSLY INSTALLED, LOOSEN TOPPER RAIL BRACKET RAIL SLIDES AND ADJUST TO MEET DESIRED POSITIONING

INSTALLATION IS COMPLETE!! MAKE SURE ALL FASTENERS ARE TIGHTENED



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



**PRODUCT WEIGHT
13.4 LBS**

**CROSSBOW LENGTH X
HEIGHT**

49" x 2"

CAPACITY

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

COLOR

BLACK

CATALOG NUMBER

2BARTOPB

PRODUCT FEATURES

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

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

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

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

INSTALLATION GUIDE FOR PROFILE™ SERIES LADDER RACKS

INSTRUCTION #:
68895

REV:
C



THIS INSTRUCTION PROVIDES A GENERAL GUIDE OF INSTALLATION SEQUENCE FOR ALL PROFILE™ SERIES LADDER RACKS. PLEASE ENSURE ALL ACCESSORIES ARE INSTALLED PER TYPE OF RACK BEFORE PROCEEDING TO NEXT PAGE.

REFERENCE THIS INSTRUCTION THROUGHOUT THE ENTIRETY OF YOUR INSTALL TO PREVENT ACCESSORIES BEING INSTALLED INCORRECTLY/OUT OF SEQUENCE!

STEPS 2T - 8T ON PAGE 3 IS THE RECOMMENDED ASSEMBLY SEQUENCE FOR A FULL TABLE ASSEMBLY BEFORE INSTALLING ON THE ROOF OF THE VEHICLE.

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

PLEASE SELECT THE ASSEMBLY SEQUENCE THAT BEST WORKS FOR YOU!

ASSEMBLY STEPS:

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

INSTRUCTIONS FOR EACH KIT CAN BE FOUND IN THEIR RESPECTIVE CARTON!



TABLE 1

TOP OF CROSSBOW

	COMPONENTS TO INSTALL	
A.1	<u>HD UTILITY</u>	- CONDUIT KIT OR BEACON
	<u>Grip-Lock</u>	- CONDUIT KIT OR BEACON
	<u>ProLift</u>	- CONDUIT KIT OR BEACON

BOTTOM OF CROSSBOW

	COMPONENTS TO INSTALL	
A.2	<u>HD UTILITY</u>	- LADDER STOP, STROBE BRACKET, AND/OR REAR ROLLER
	<u>Grip-Lock</u>	- Grip-Lock SUB-ASSEMBLY
	<u>ProLift</u>	- 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!



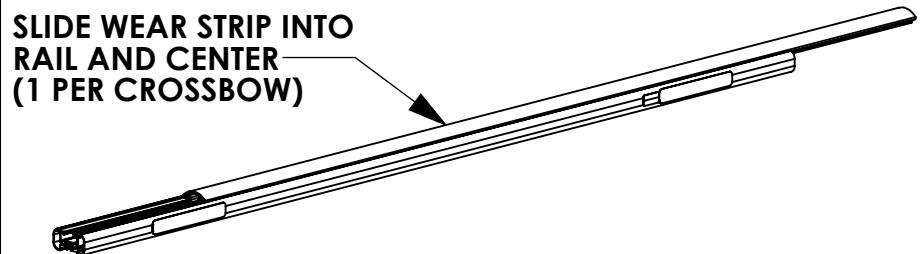
TABLE 2

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



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

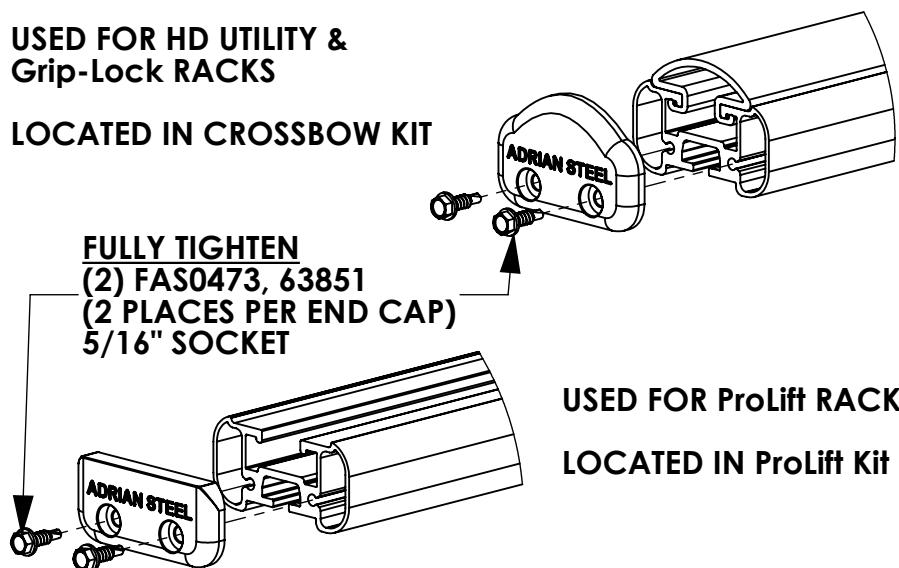
ASSEMBLY STEPS (FULL BENCH ASSEMBLY):

- 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):

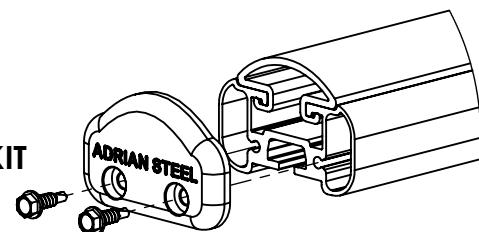
- 2R. INSTALL ROOF RAIL KIT ON VEHICLE ROOF OR BOTTOM MOUNTING BRACKETS**

(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!)**

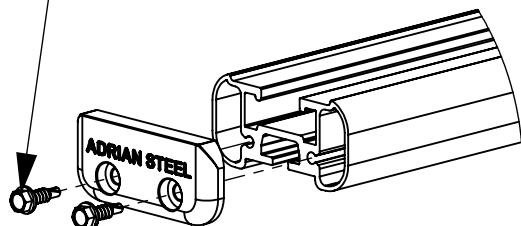
8R. ASSEMBLE END CAPS TO CROSSBOW

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