

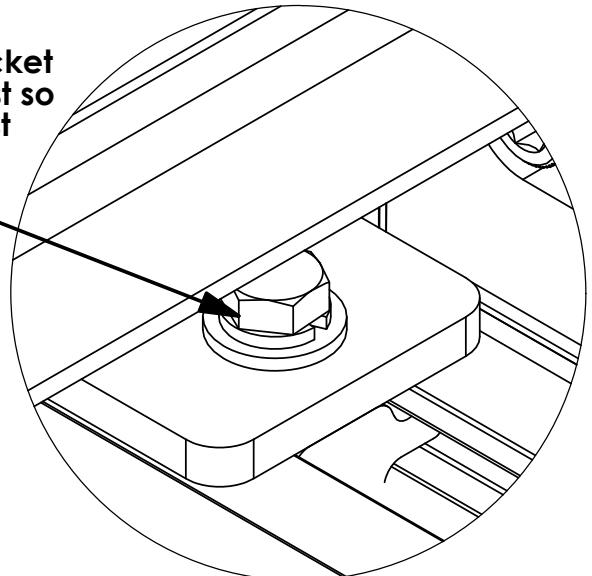
INSTR. NUMBER : **69484**

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

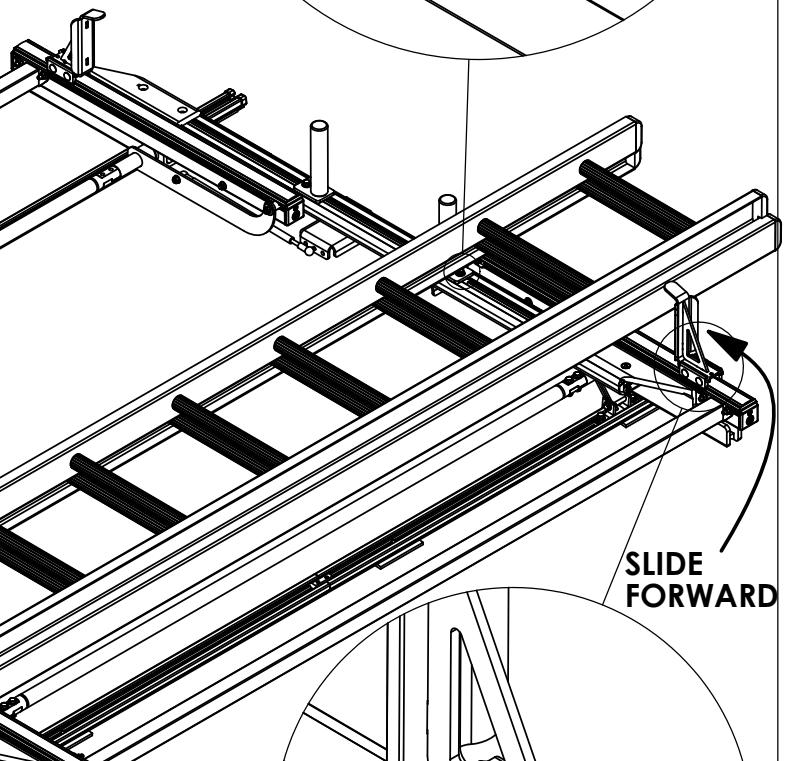
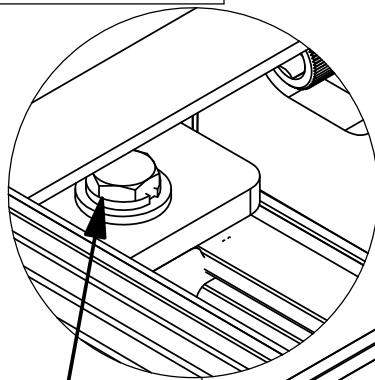
PART NUMBER • Standard Drop ProLift  
• Low & Compact Vans

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

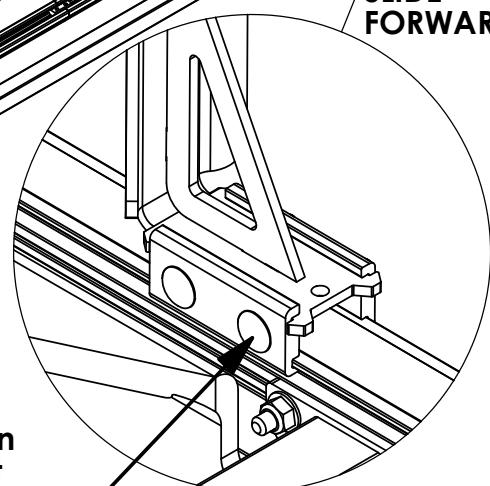
**Step 3: With 1/2" Socket  
loosen nut, slide post so  
that it is snug against  
the ladder.  
Tighten nut**



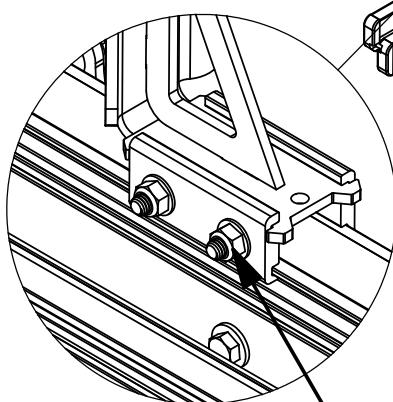
**Step 1: With 1/2"  
Socket loosen  
nut, slide post  
so that it is snug  
against the  
ladder.  
Tighten nut**



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



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



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

INSTR. NUMBER : **68497**

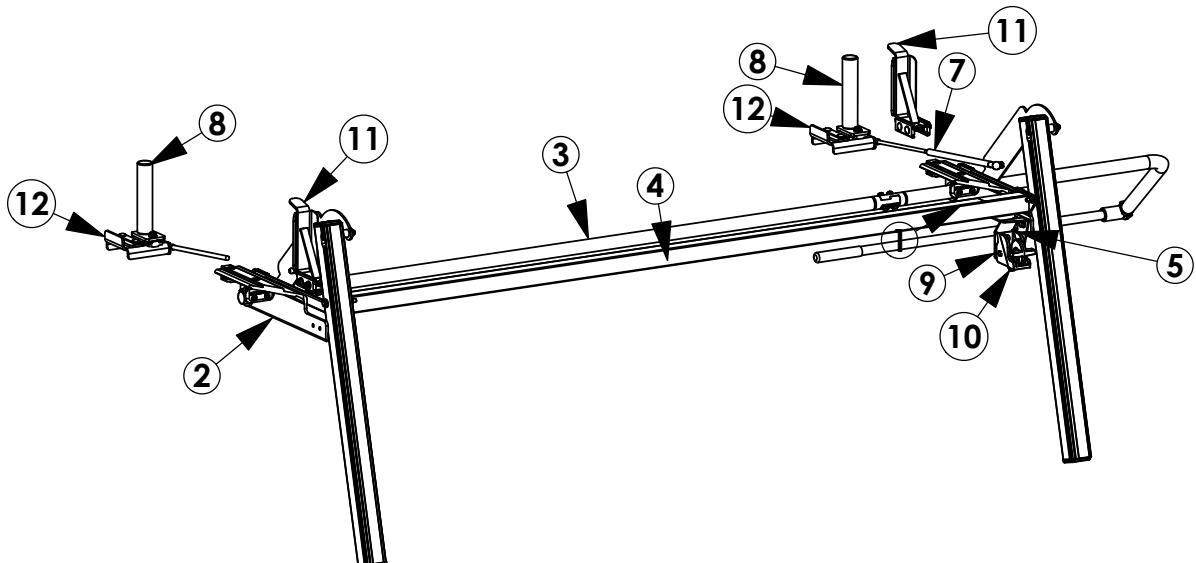
PG: **1** REV: **C**

PART NUMBER : **PLSDPSL & PLSDDSL**

PART • PROLIFT,STD,PS,LR  
DESC. • &  
PROLIFT,STD,DS,LR

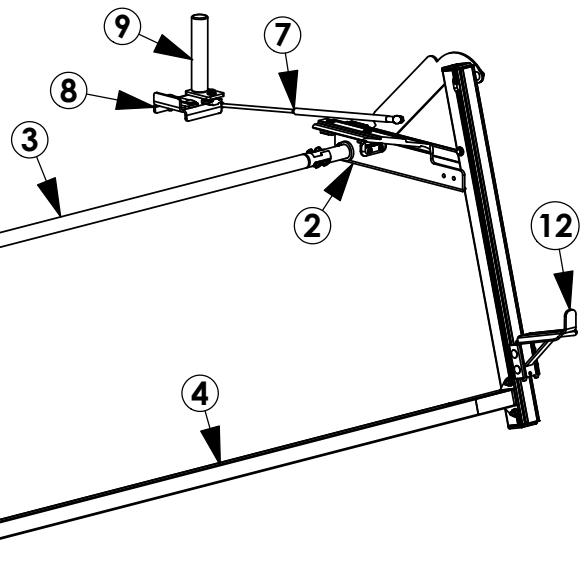
**PLSDDSLW**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	68298-W	STD DROP CARTRIDGE, LR DS, WHITE	1
2	68013-W	DROP DOWN FRONT ARM ASM DS, WHITE	1
3	66563-B	DROP DOWN, SS CENTER DRIVELINE, BLK	1
4	66959-W	DROP DOWN OUTER BAR, WELDMENT, WHITE	1
5	66611-B	DROP DOWN, PIVOT HANDLE, BLK	1
6	58239	COMPRESSION DAMPER	1
7	48265	DAMPER ASSEMBLY	1
8	68186-W	PROLIFT INNER POST, WHITE	2
9	68180-W	DROP DOWN LATCH BRACKET, WHITE	1
10	25340-0	HANDLE LATCH-STD	1
11	68037-B	CLAMP PAD, 6.5", BLACK	2
12	68045-W	PROLIFT DAMPER MOUNT, WHITE	2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	68297-W	STD DROP CARTRIDGE, LR PS, WHITE	1
2	68031-W	DROP DOWN FRONT ARM ASSM PS, WHITE	1
3	66572-B	DROP DOWN, CS CENTER DRIVELINE, BLK	1
4	66959-W	DROP DOWN OUTER BAR, WELDMENT, WHITE	1
5	66611-B	DROP DOWN, PIVOT HANDLE, BLK	1
6	58239	COMPRESSION DAMPER	1
7	48265	DAMPER ASSEMBLY	1
8	68045-W	PROLIFT DAMPER MOUNT, WHITE	2
9	68186-W	PROLIFT INNER POST, WHITE	2
10	68180-W	DROP DOWN LATCH BRACKET, WHITE	1
11	25340-0	HANDLE LATCH-STD	1
12	68037-B	CLAMP PAD, 6.5", BLACK	2

**PLSDPSLW**



**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.

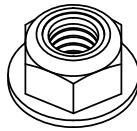
**PROVIDE CLEARANCE FOR SPACERS** - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

**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.

## FASTENERS AND HARDWARE USED



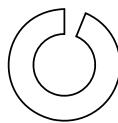
FAS0861  
NUT,HEX NLK FLG 5/16-18  
QTY: 18



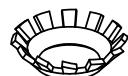
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QTY: 01



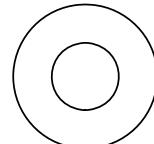
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NUT,HEX NLK LT 3/8-16  
QTY: 01



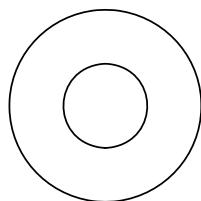
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WASHER,LCK SPLIT 5/16  
QTY: 03



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



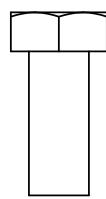
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WASHER,FLAT USS 5/16  
QTY: 09



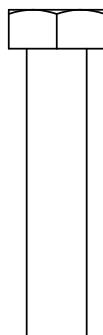
FAS0720  
WASHER,FLAT USS 3/8  
QTY: 01



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



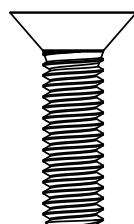
FAS0799  
SCREW,HH 5/16-18X.75  
QTY: 02



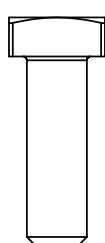
FAS0242  
SCREW,HH 5/16-18X1.5  
QTY: 04



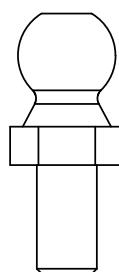
FAS0473  
SCREW,HH TEK #12X.75  
QTY: 04



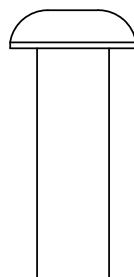
FAS0856  
SCREW,FHH 5/16-18X1.13  
QTY: 04



FAS0035  
BOLT,SQ HD 5/16-18X1.0  
QTY: 08

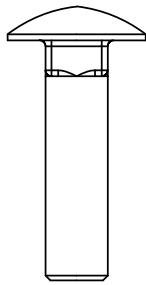


34927-0  
BALL STUD 13MM X 5/16-18  
QTY: 02

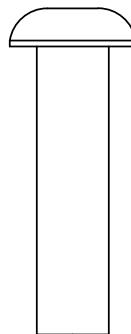


FAS0701  
SCREW,BHCS 3/8-16X1.25  
QTY: 01

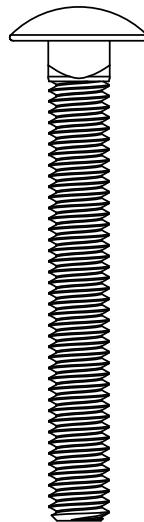
## FASTENERS AND HARDWARE USED



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

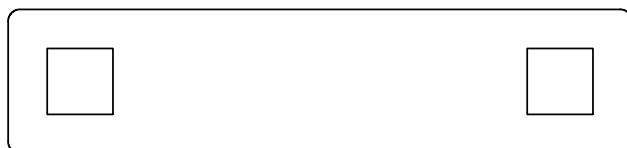
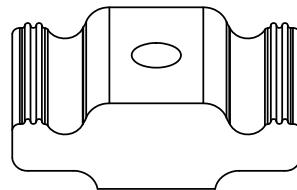


FAS0819  
SCREW,BHCS 3/8-16X1.5  
QTY: 01



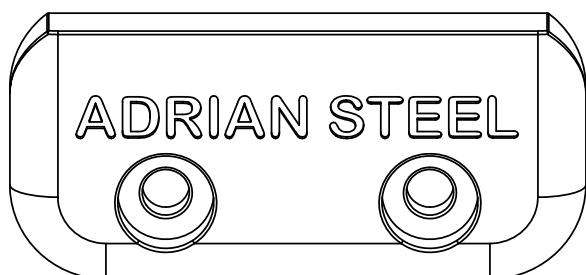
64831  
REAR ROLLER, SPACER  
QTY: 02

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



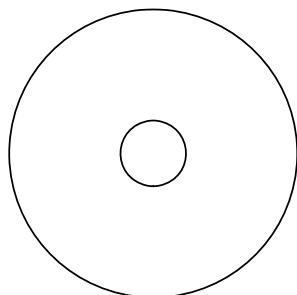
64830  
REAR ROLLER, BOLT PLATE  
QTY: 02

63490  
RAIL SLIDE, 1"  
QTY: 06

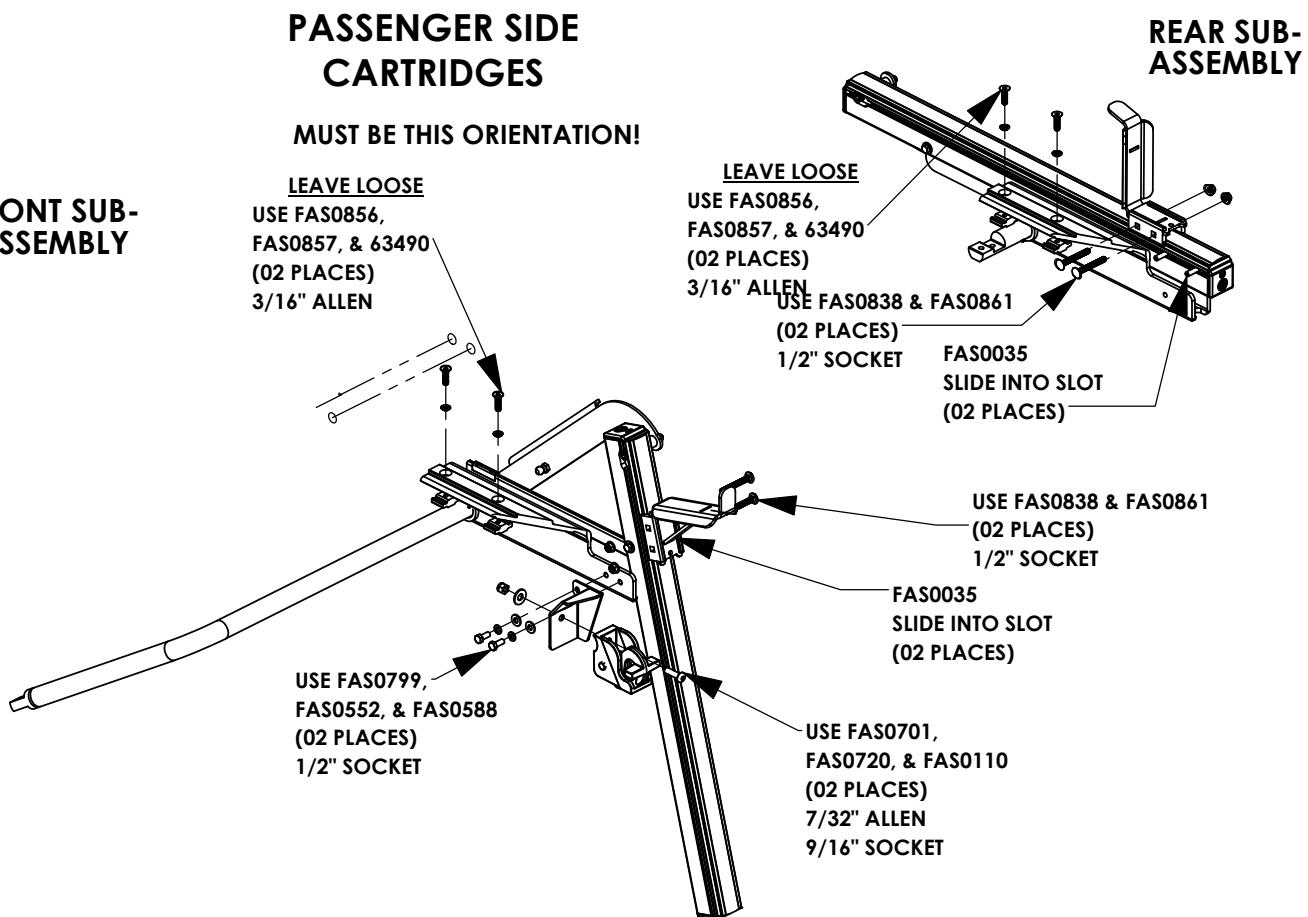
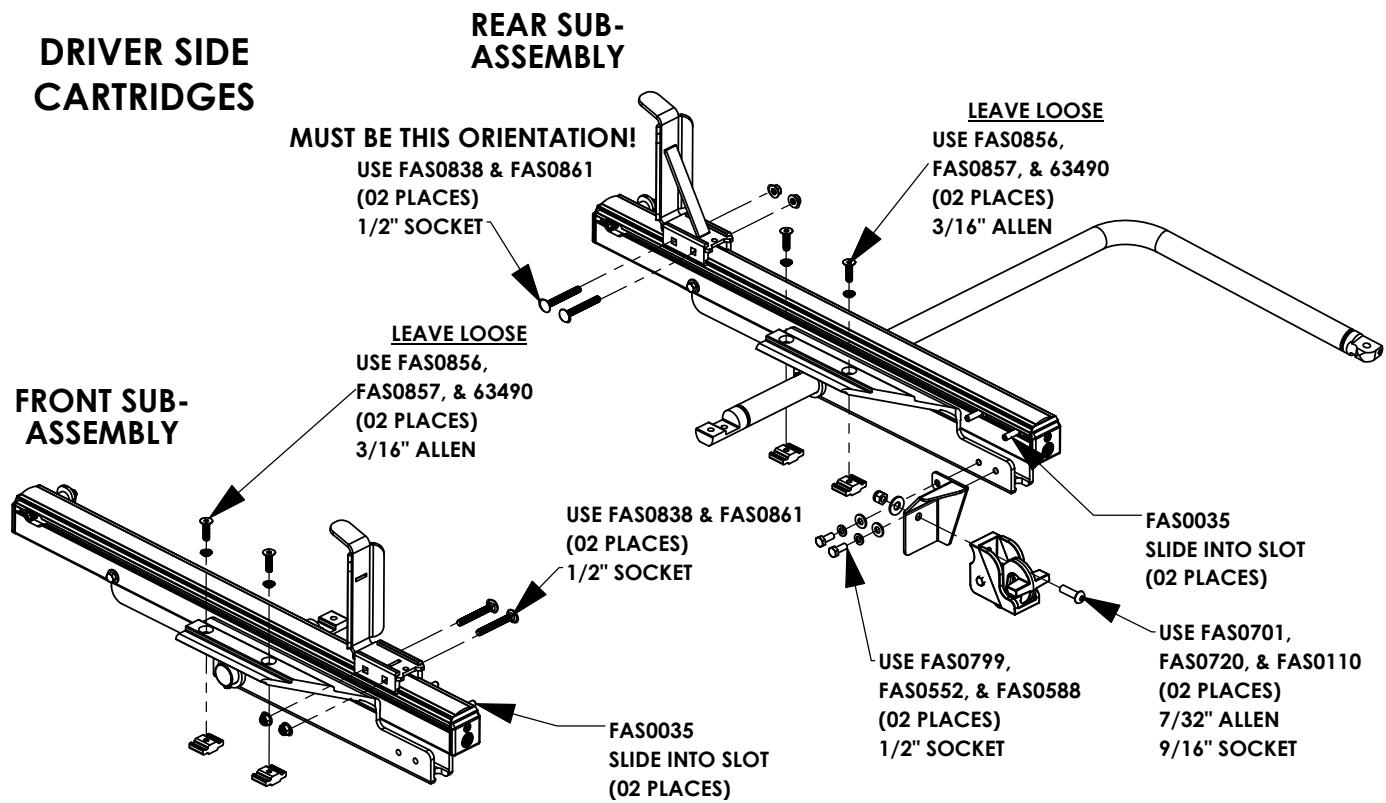


65961  
DROP DOWN END CAP  
QTY: 02

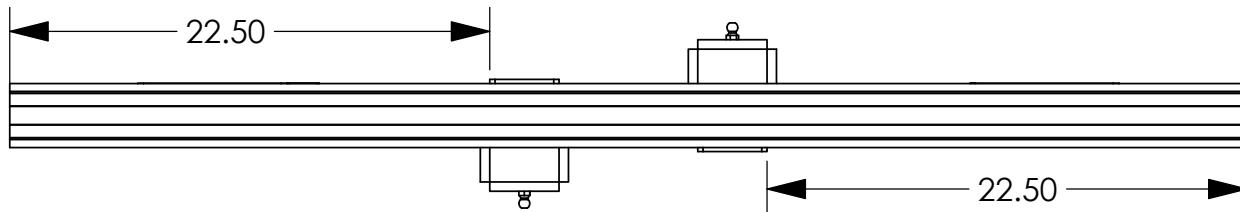
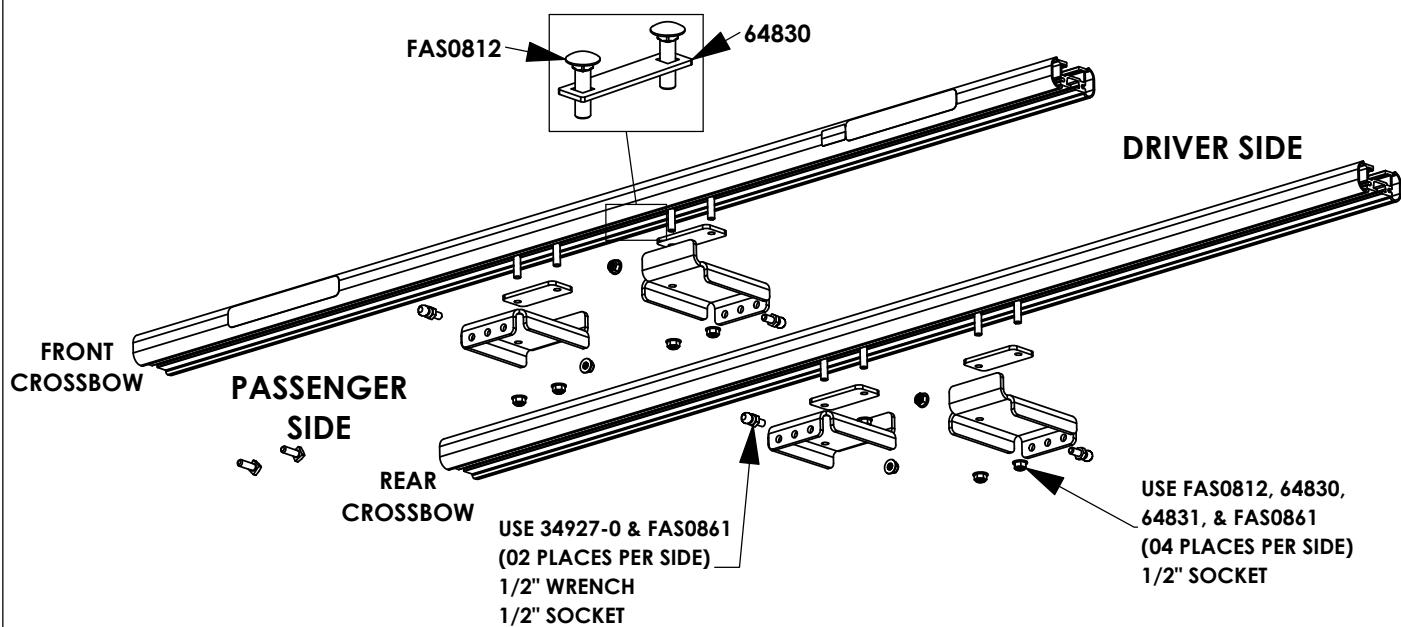
DISCARD



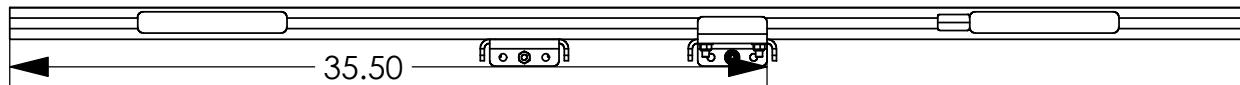
FAS0603  
SCREW,HH 5/16-18X.875  
QTY: 02

**BEGIN ASSEMBLY****STEP 1 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES****FRONT SUB-ASSEMBLY****PASSENGER SIDE CARTRIDGES****MUST BE THIS ORIENTATION!****DRIVER SIDE CARTRIDGES****REAR SUB-ASSEMBLY****MUST BE THIS ORIENTATION!****FRONT SUB-ASSEMBLY**

## STEP 2 - MOUNT DAMPER BRACKETS AND INNER STOPS TO CROSSBOWS



MOUNT 22" FROM THE  
END OF THE CROSSBOW

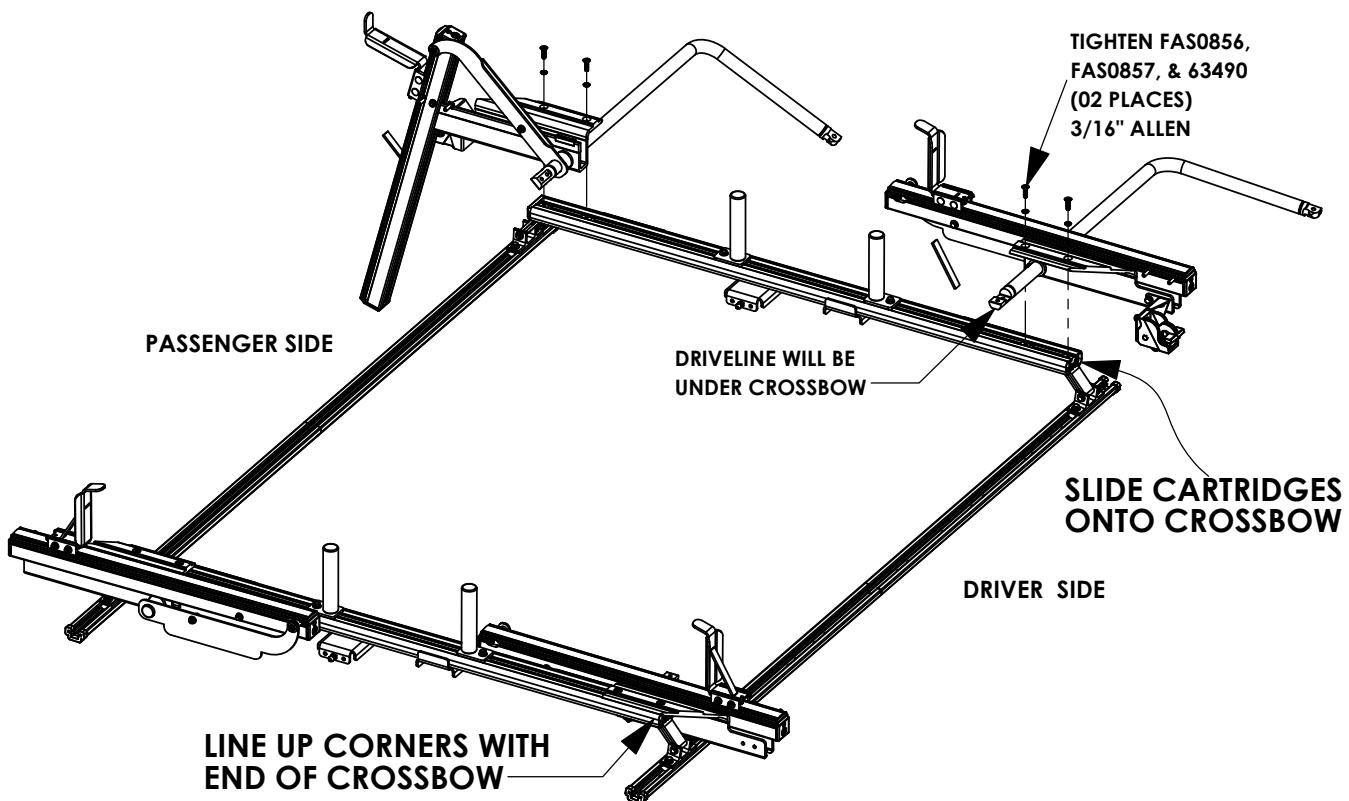


USE FAS0283,  
FAS0552, & 63490  
(02 PLACES PER SIDE)

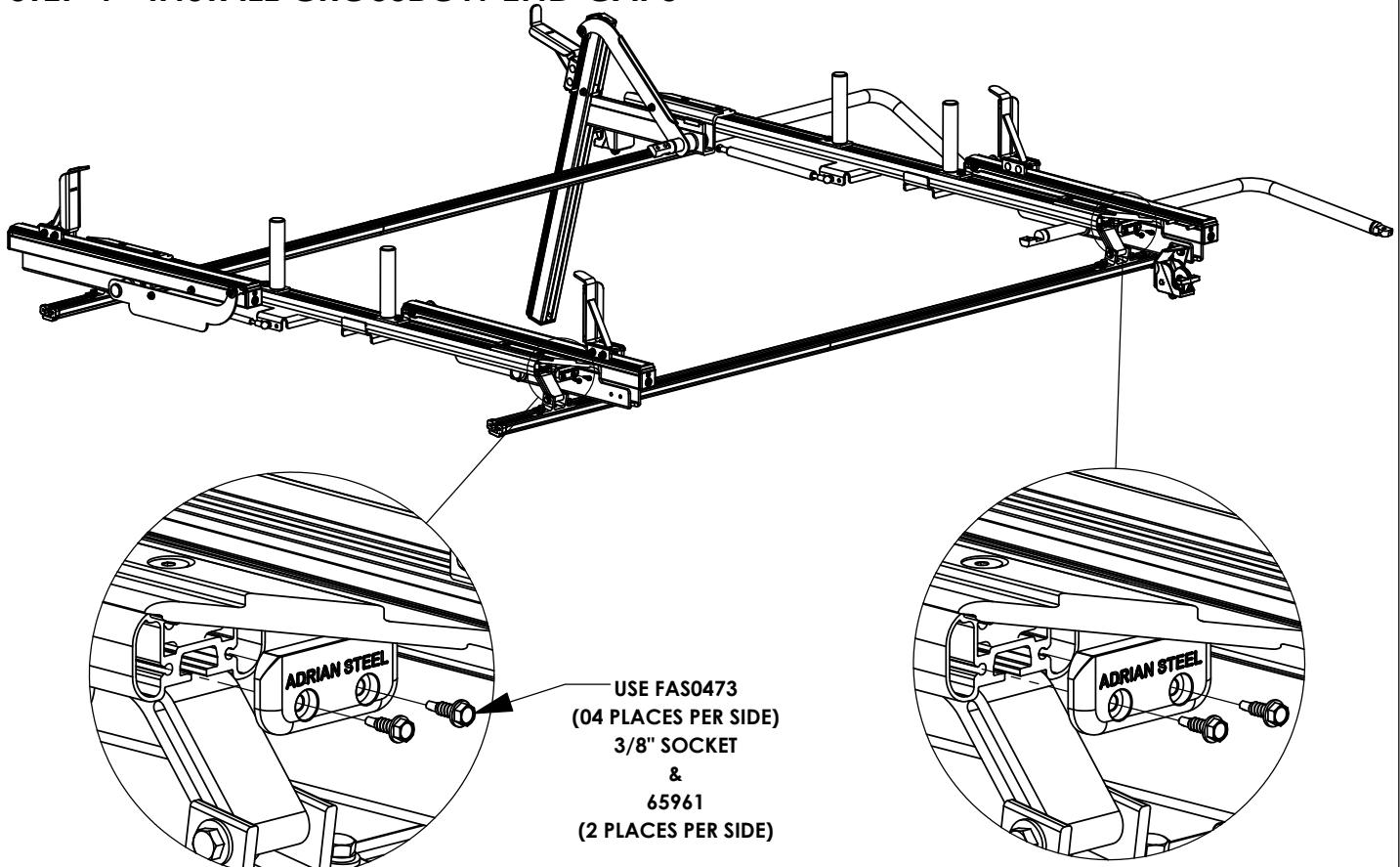
1/2" SOCKET

LOCATION IS APPROXIMATE  
AND WILL BE ADJUSTED LATER

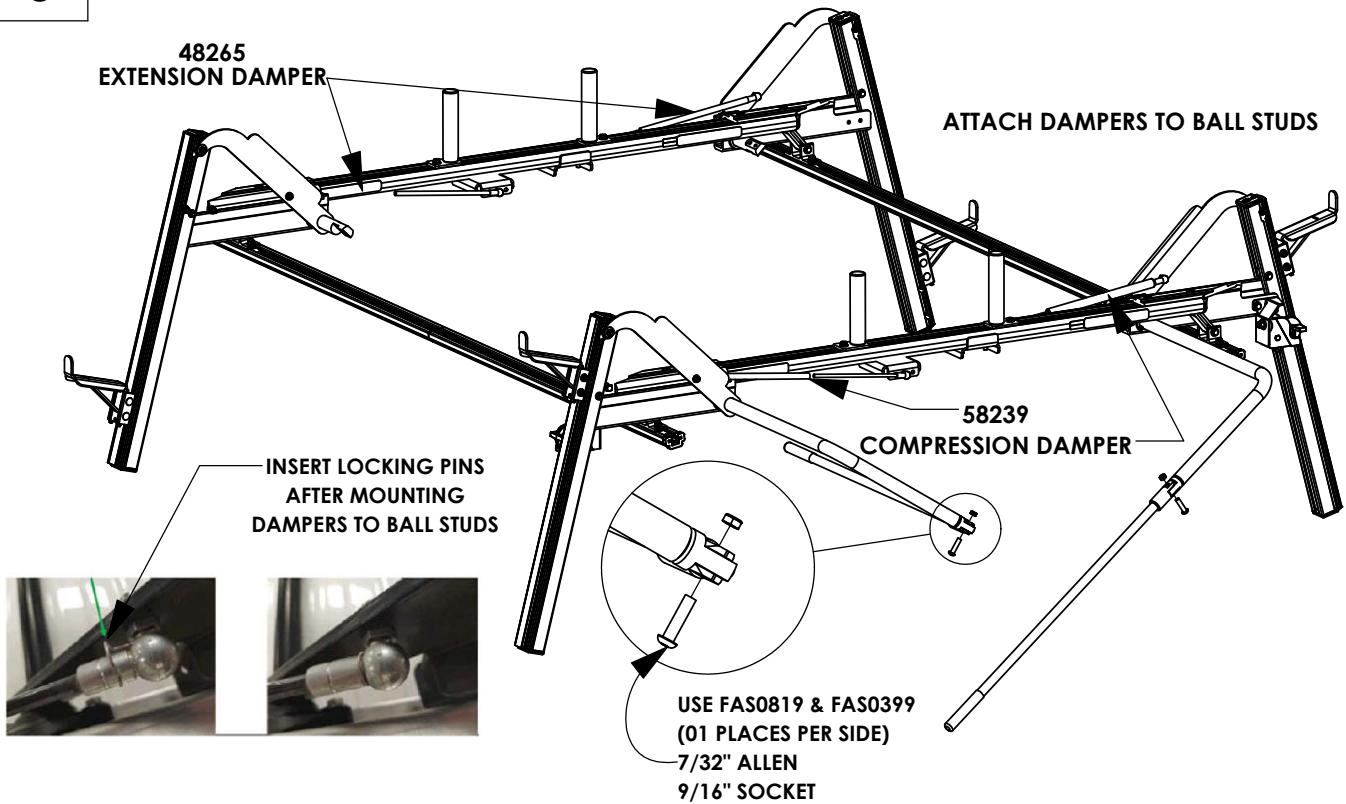
## STEP 3 - INSTALL CARTRIDGES ON CROSSBOWS



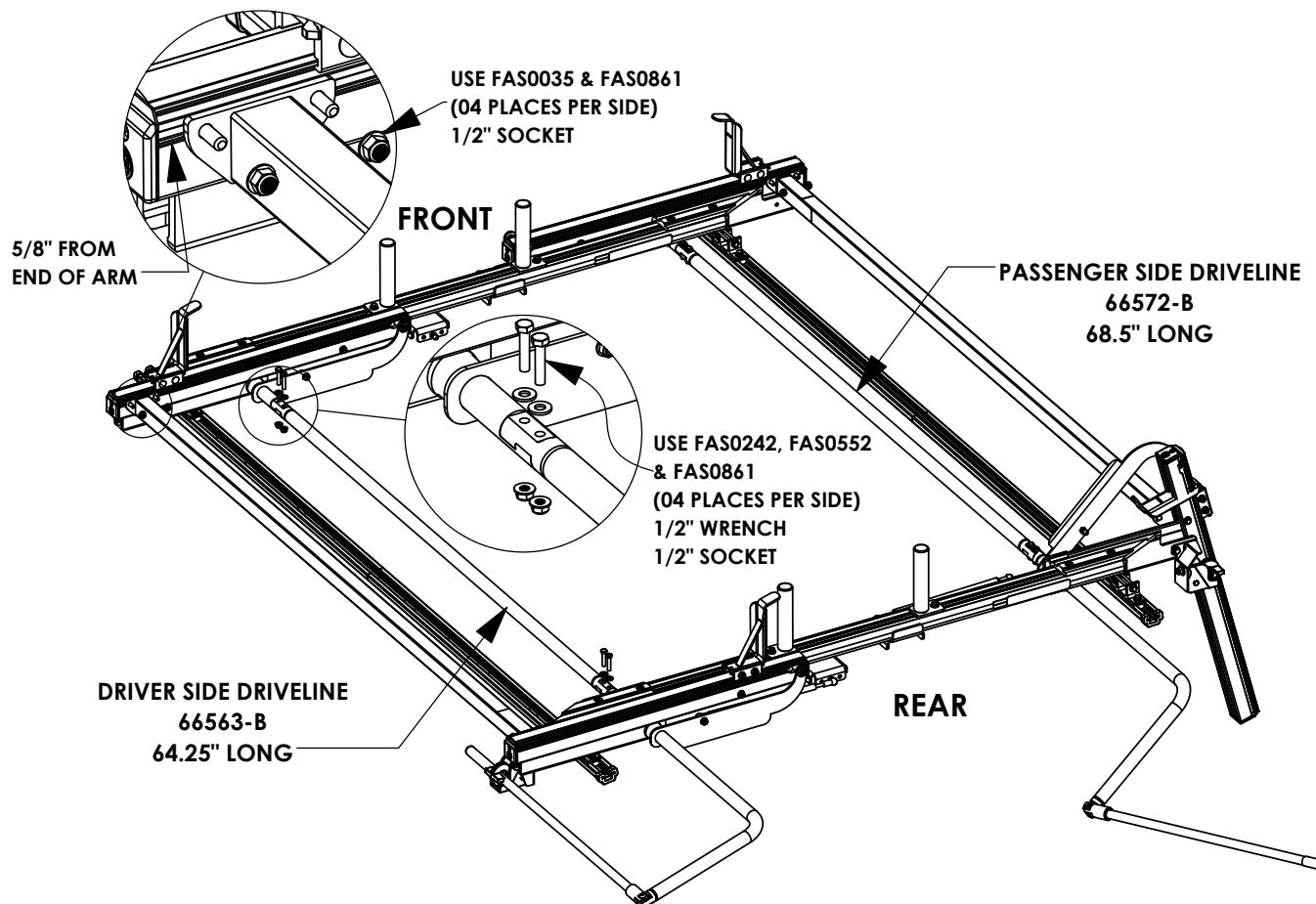
## STEP 4 - INSTALL CROSSBOW END CAPS



## STEP 5 - INSTALL DAMPERS AND DROP DOWN HANDLE



## STEP 6 - INSTALL DRIVELINE AND O.S. BAR





**PRODUCT WEIGHT  
7.2 LBS**

*HEIGHT OFF ROOF*

**SEE TABLE BELOW**

*CAPACITY*

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

*COLOR*

**RAW**

*CATALOG NUMBER*

**RRKFT**

### *PRODUCT FEATURES*

**Ford Transit aluminum mounting roof rail kit for the PROFILE™ HD Utility, Grip-Lock, ProLift, and combo ladder racks. Mounting kit works on all roof height and wheelbase combinations for Ford Transit vans.**

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

**SEE PAGES 2 & 3 FOR APPLICATION NOTES AND ACCESSORIES, OTHER PRODUCTS THAT WORK WITH THIS UNIT.**

**PAGE 1 of 4**

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**CATALOG NUMBER**
**RRKFT**
**PRODUCT APPLICATION**

**This product is designed to be installed Ford Transit vans. 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
White Kit Part Numbers		Black Kit Part Numbers	
<b>Crossbow Kits</b>			
2BARW	2-Crossbar Kit, 68", White, Full Size Van	2BARB	2-Crossbar Kit, 68", Black, Full Size Van
1BARW	2-Crossbar Kit, 48", White, Full Size Van	1BARB	2-Crossbar Kit, 48", Black, Full Size Van
2BARCW	2-Crossbar Kit, 48", White, Minivan	2BARCB	2-Crossbar Kit, 48", Black, Minivan
1BARCW	Single Crossbar Kit, 48", White, Minivan	1BARCB	Single Crossbar Kit, 48", Black, Minivan
<b>Mounting Bracket Kits</b>			
URMBK4W	Mounting Bracket Kit, 4-Pack, White, Multiple Vehicles	URMBK4B	Mounting Bracket Kit, 4-Pack, Black, Multiple Vehicles
URMBK2W	Mounting Bracket Kit, 2-Pack, White, Multiple Vehicles	URMBK2B	Mounting Bracket Kit, 2-Pack, Black, Multiple Vehicles
<b>Ladder Stop &amp; Upright Kits</b>			
ULSKB	Single Ladder Stop Kit, Black	ULSKAB	Single Ladder Stop Kit, Black
4UPK4B	4" Upright Kit, 4-Pack, Black	4UPK4AB	4" Upright Kit, 4-Pack, Black
4UPK2B	4" Upright Kit, 2-Pack, Black	4UPK2AB	4" Upright Kit, 2-Pack, Black
6UPK4B	6" Upright Kit, 4-Pack, Black	6UPK4AB	6" Upright Kit, 4-Pack, Black
6UPK2B	6" Upright Kit, 2-Pack, Black	6UPK2AB	6" Upright Kit, 2-Pack, Black
9UPK4B	9" Upright Kit, 4-Pack, Black	9UPK4AB	9" Upright Kit, 4-Pack, Black
9UPK2B	9" Upright Kit, 2-Pack, Black	9UPK2AB	9" Upright Kit, 2-Pack, Black
RSK1B	Single Ratchet Upright Kit, 9", Black	RSK1AB	Single Ratchet Upright Kit, 9", Black

**Continued on Page 3**
**PAGE 2 of 4**

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**CATALOG NUMBER**
**RRKFT**
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**ACCESSORIES THAT WILL WORK WITH THIS PRODUCT**

CATALOG NUMBER	DESCRIPTION	CATALOG NUMBER	DESCRIPTION
White Kit Part Numbers		Black Kit Part Numbers	
<b>Grip-Lock Kits</b>			
GL-FSVDS	Driver Side Grip-Lock Kit, Full Size Van	GL-FSVDS-B	Driver Side Grip-Lock Kit, Full Size Van, Black
GL-FSVPS	Passenger Side Grip-Lock Kit, Full Size Van	GL-FSVPS-B	Passenger Side Grip-Lock Kit, Full Size Van, Black
<b>Standard Drop ProLift Kits</b>			
SDPLDS	Driver Side Standard Drop ProLift Kit, Full Size Van	SDPLDS-B	Driver Side Standard Drop ProLift Kit, Full Size Van, Black
SDPLPS	Passenger Side Standard Drop ProLift Kit, Full Size Van	SDPLPS-B	Passenger Side Standard Drop ProLift Kit, Full Size Van, Black
<b>Max Drop ProLift Kits</b>			
DDPLDS	Driver Side Max Drop ProLift Kit, Full Size Van	DDPLDS-B	Driver Side Max Drop ProLift Kit, Full Size Van, Black
DDPLPS	Passenger Side Max Drop ProLift Kit, Full Size Van	DDPLPS-B	Passenger Side Max Drop ProLift Kit, Full Size Van, Black
DDPLDSM	Driver Side Max Drop ProLift Kit, Full Size Van, Mid Roof	DDPLDSM-B	Driver Side Max Drop ProLift Kit, Full Size Van, Mid Roof, Black
DDPLPSM	Passenger Side Max Drop ProLift Kit, Full Size Van, Mid Roof	DDPLPSM-B	Passenger Side Max Drop ProLift Kit, Full Size Van, Mid Roof, Black
DDPLDSH	Driver Side Max Drop ProLift Kit, Full Size Van, High Roof	DDPLDSH-B	Driver Side Max Drop ProLift Kit, Full Size Van, High Roof, Black
DDPLPSH	Passenger Side Max Drop ProLift Kit, Full Size Van, High Roof	DDPLPSH-B	Passenger Side Max Drop ProLift Kit, Full Size Van, High Roof, Black
<b>Double Stack ProLift Kits</b>			
DSPLDS	Driver Side Double Stack ProLift Kit, Full Size Van	DSPLDS-B	Driver Side Double Stack ProLift Kit, Full Size Van, Black
DSPLPS	Passenger Side Double Stack ProLift Kit, Full Size Van	DSPLPS-B	Passenger Side Double Stack ProLift Kit, Full Size Van, Black



CATALOG NUMBER

**RRKFT**

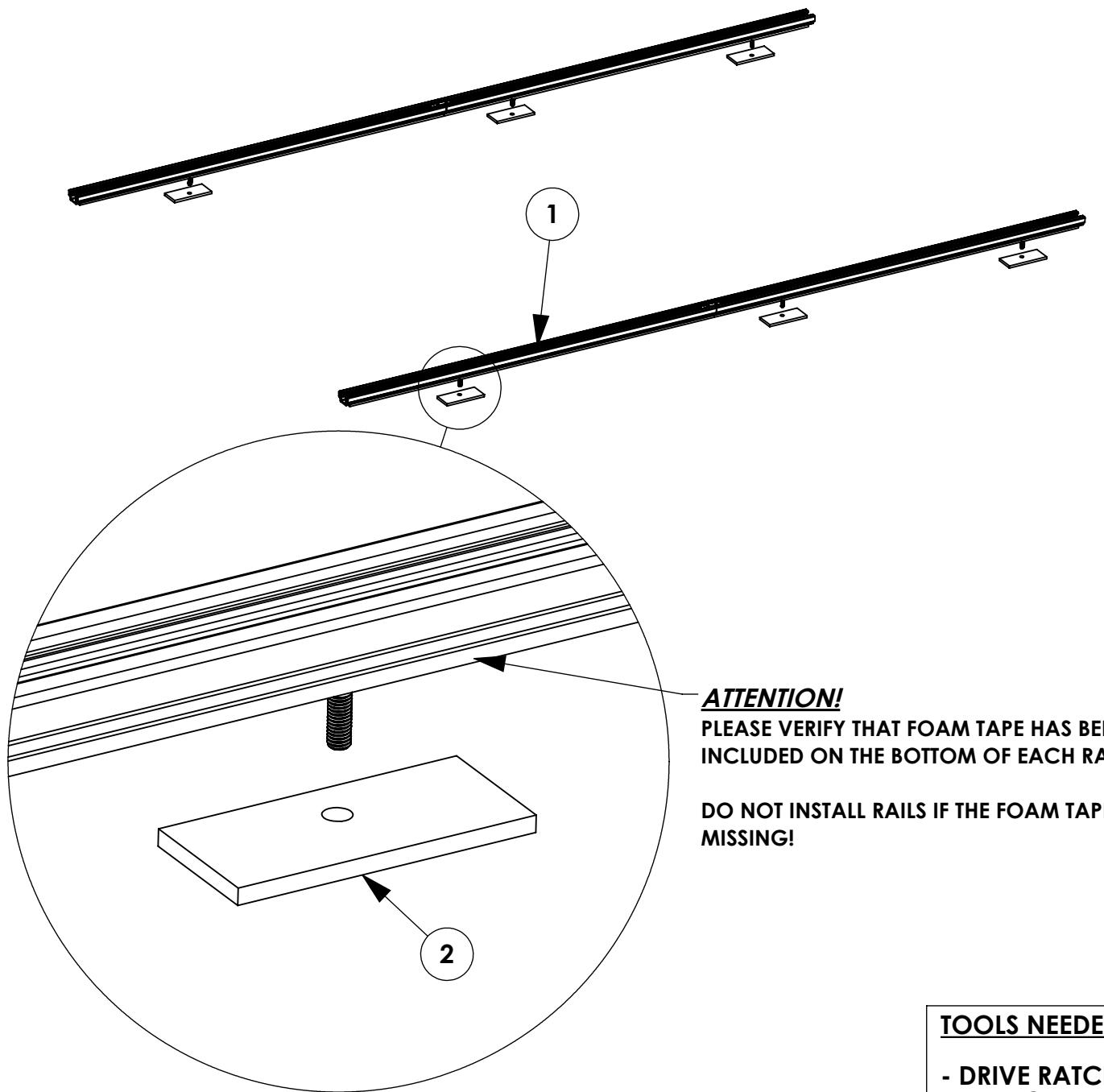
**PRODUCT APPLICATION**

**This product is designed to be installed Ford Transit vans. HD Utility and Grip-Lock racks are not recommended for medium or high roof vehicles!**

**LADDER RACK HEIGHTS MEASURED FROM ROOF OF VEHICLE**

CONFIGURATION	RACK HEIGHT LOW / MED / HIGH ROOF
Base Rack	5.5" / 4.6" / 4.6"
Base + Ladder Stop	11.0" / 10.1" / 10.1"
Base + 4" Uprights	9.0" / 8.1" / 8.1"
Base + 6" Uprights	11.0" / 10.1" / 10.1"
Base + 9"/Ratchet Uprights	14.0" / 13.1" / 13.1"
Base + 4" PVC Conduit Kit	9.9" / 9.0" / 9.0"
Base + 6" PVC Conduit Kit	11.9" / 11.0" / 11.0"
Base + Aluminum Box Conduit Kit	12.0" / 11.2" / 11.2"
Base + Grip-Lock	12.2" / (N/A) / (N/A)
Base + Standard Drop ProLift	12.5" / (N/A) / (N/A)
Base + Max Drop ProLift	14.0" / 13.1" / 13.1"
Base + Double Stack ProLift	Coming Soon!

INSTR. NUMBER	67267	PG: 1	REV: E	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER	RRKFT			1	63477	ROOF RAIL, FORD TRNST FSV	4
PART DESC.	• ROOF RAIL KIT FT FSV			2	52709	SPACER-PAD .25 TRANSIT LR LDRK	6



**TOOLS NEEDED:**

- DRIVE RATCHET
- IMPACT DRIVER
- 13mm SOCKET
- 5/32" HEX DRIVE
- M8-1.25 TAP
- 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.

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**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.

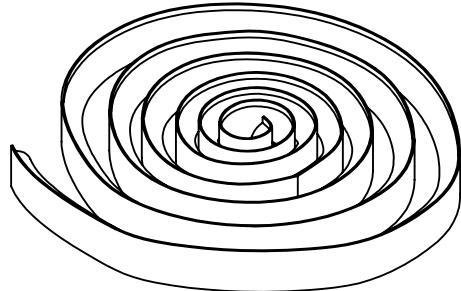
**PLUSNUT INSTALLATION** - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

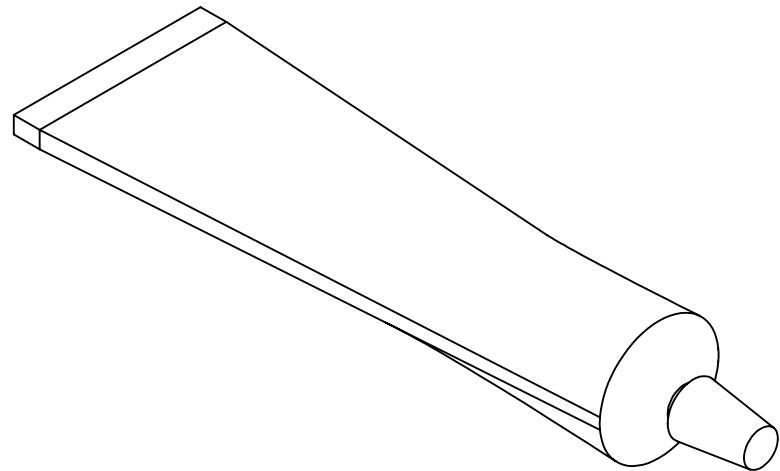
PAGE:

**3**

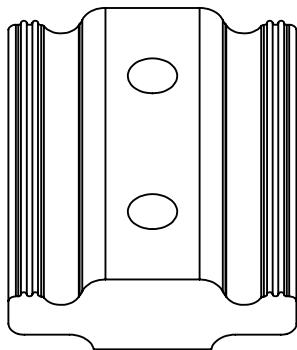
**FASTENERS AND HARDWARE USED**  
**BAG REFERENCE: BAGRKFTM & BAG63411**



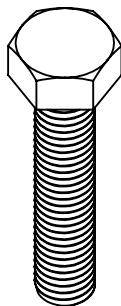
05586-0  
BUTYL TAPE  
1FT ROLL  
QTY: 1



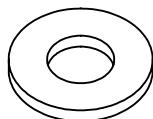
26618-0  
SILICONE  
1OZ TUBE  
QTY: 1



63491  
RAIL CONNECTOR, 2"  
QTY: 2



FAS0351  
SCREW, HH SS  
M8-1.25X40  
QTY: 6



FAS0552  
WASHER, FLAT  
5/16 SS  
QTY: 6



FAS0497  
SCREW, SET  
5/16-18X.75 SS  
QTY: 4

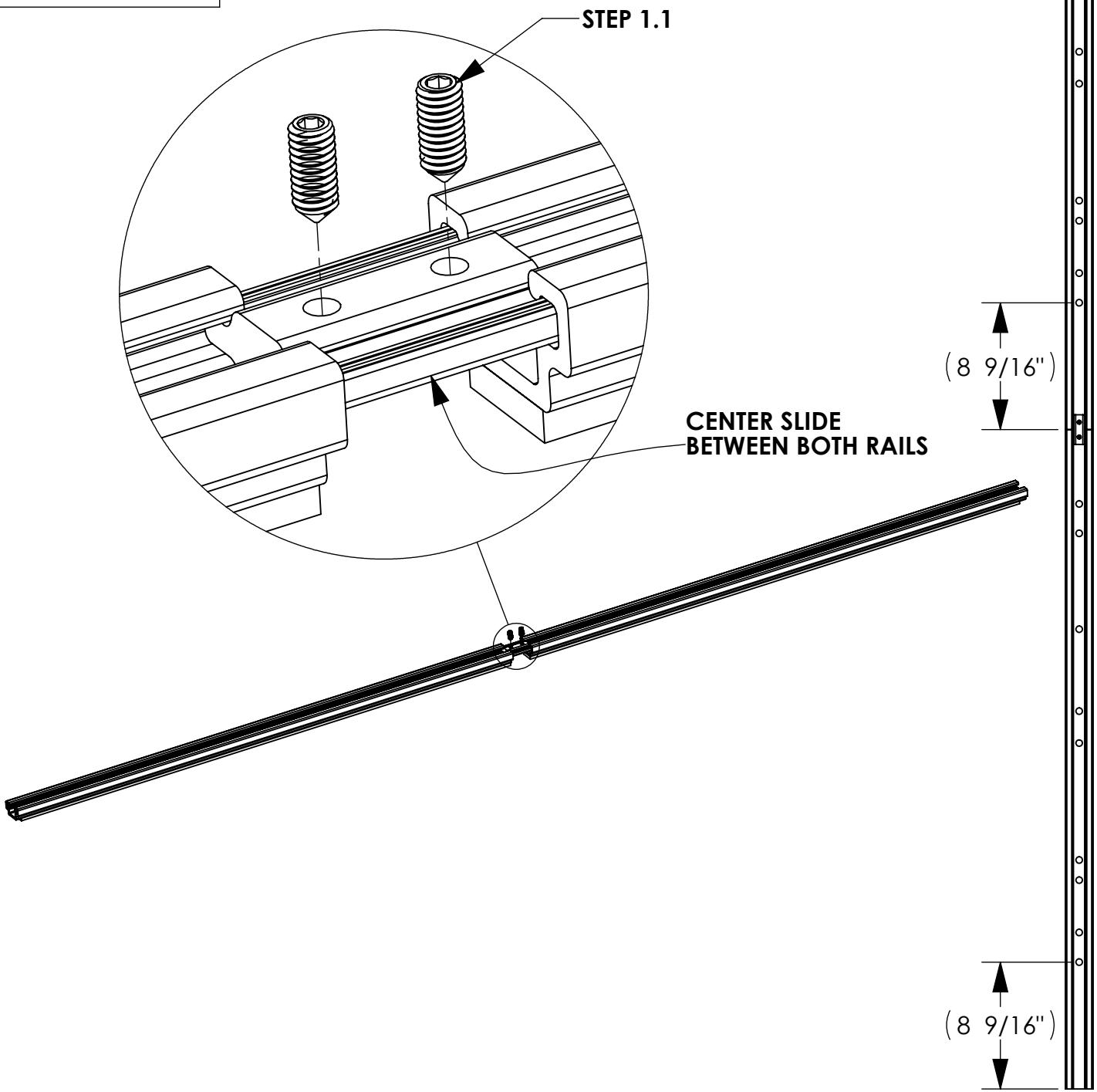


FAS0588  
WASHER, LCK  
SPLIT 5/16 SS  
QTY: 6

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**STEP 1 - ASSEMBLE ROOF RAILS**

**STEP 1.1**  
**FULLY TIGHTEN**  
**63491, (02) FAS0497**  
**(02 PLACES)**  
**5/32" HEX DRIVE**



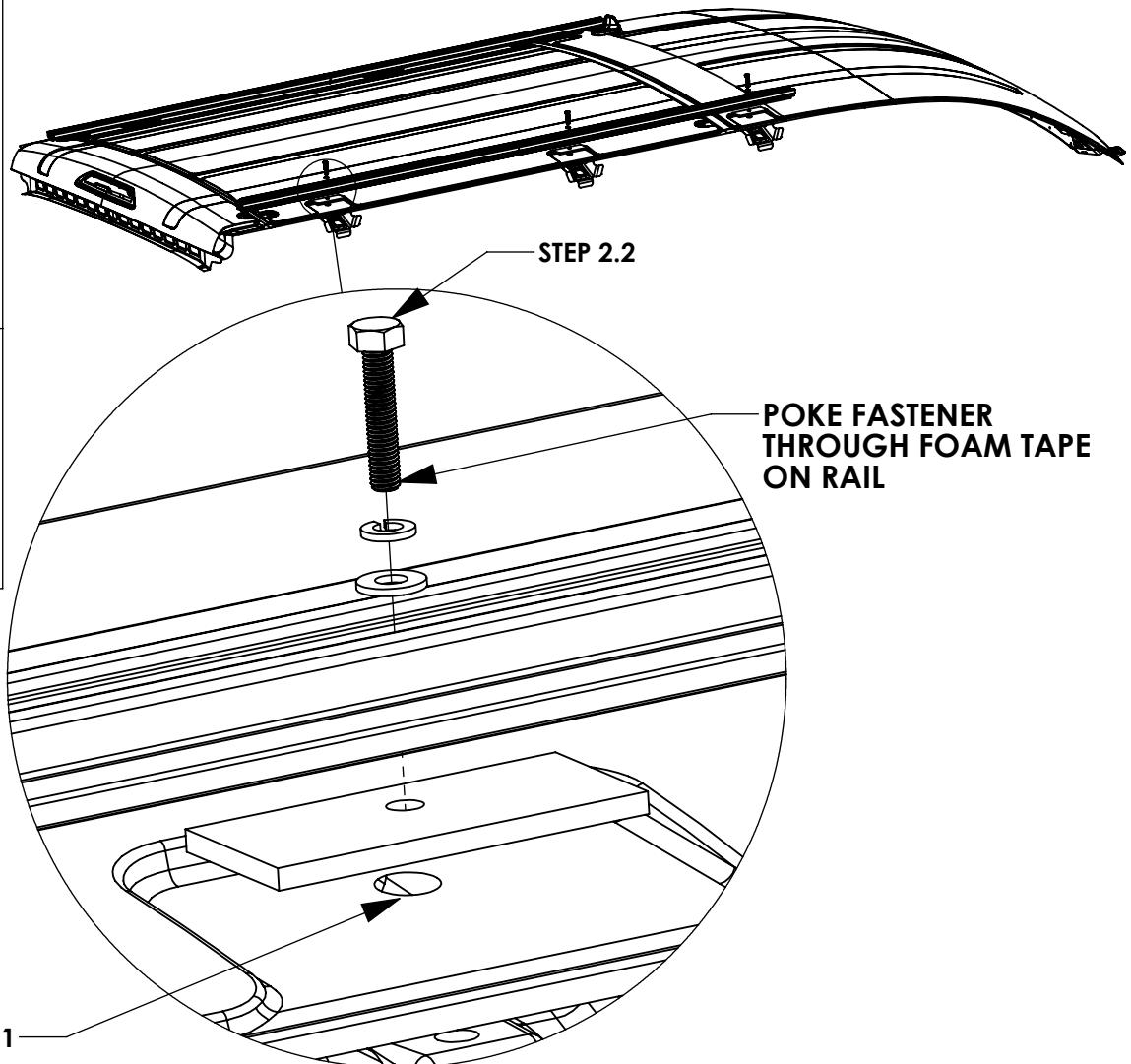
**STEP 2 - INSTALL ROOF RAILS ONTO VEHICLE ROOF**

**STEP 2.1**  
REMOVE OEM  
PLASTIC PLUG

USE M8-1.25 TAP  
TO CLEAR THREAD  
OF OEM WELD NUT  
(IF NECESSARY)

ROOF HOLE  
CLEARANCING  
MAY BE  
NECESSARY DO TO  
OEM ROOF  
TOLERANCE

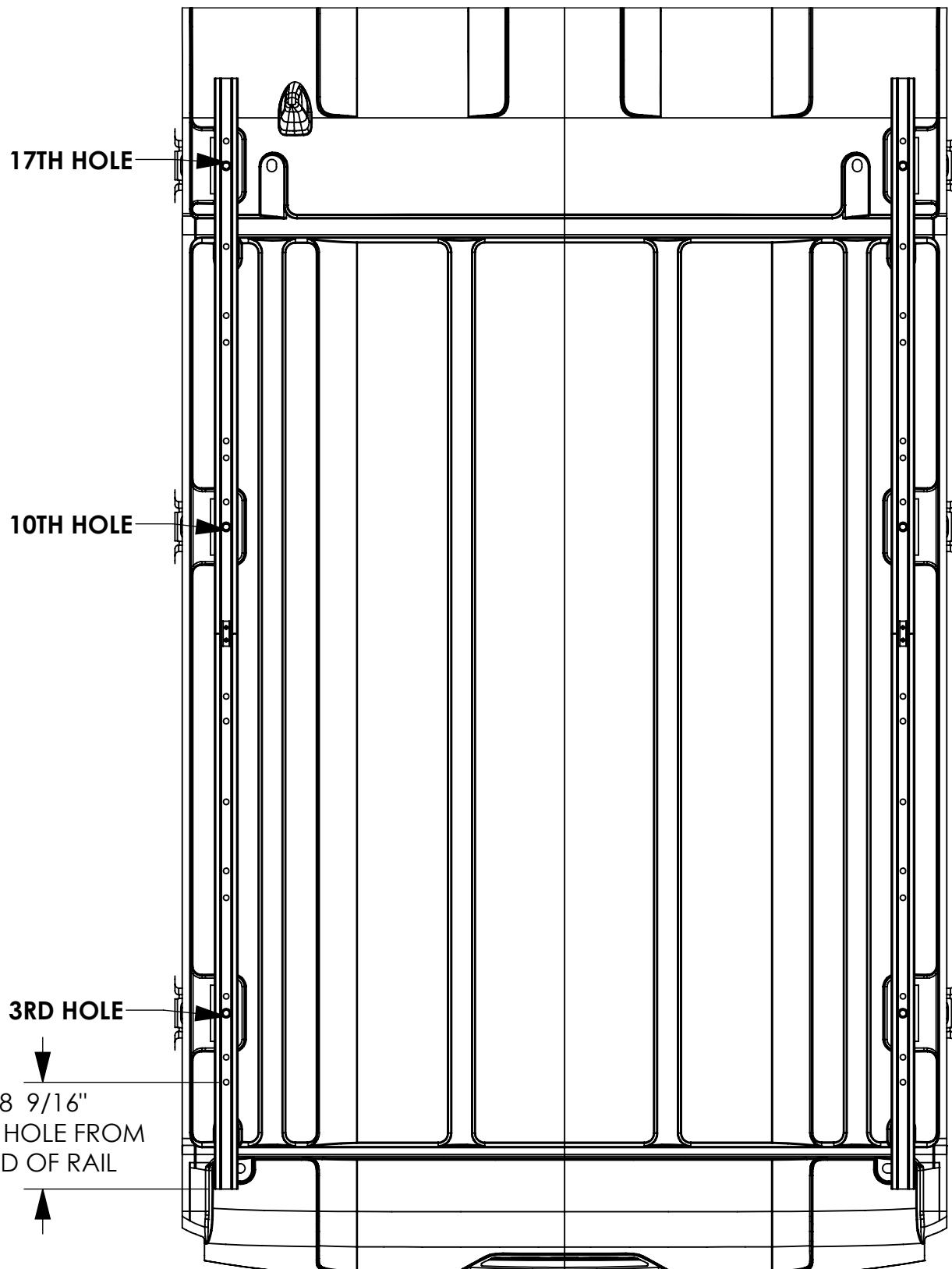
**STEP 2.2**  
FULLY TIGHTEN  
FAS0351, FAS0552,  
FAS0588  
(06 PLACES)  
13mm SOCKET



**ADD SILICONE TO FILL CAVITY OF EACH OEM WELD NUT IN  
VEHICLE ROOF AND BUTYL TAPE UNDER WASHERS ON BOLT**



FRONT OF VEHICLE



REAR OF VEHICLE

FRONT OF VEHICLE

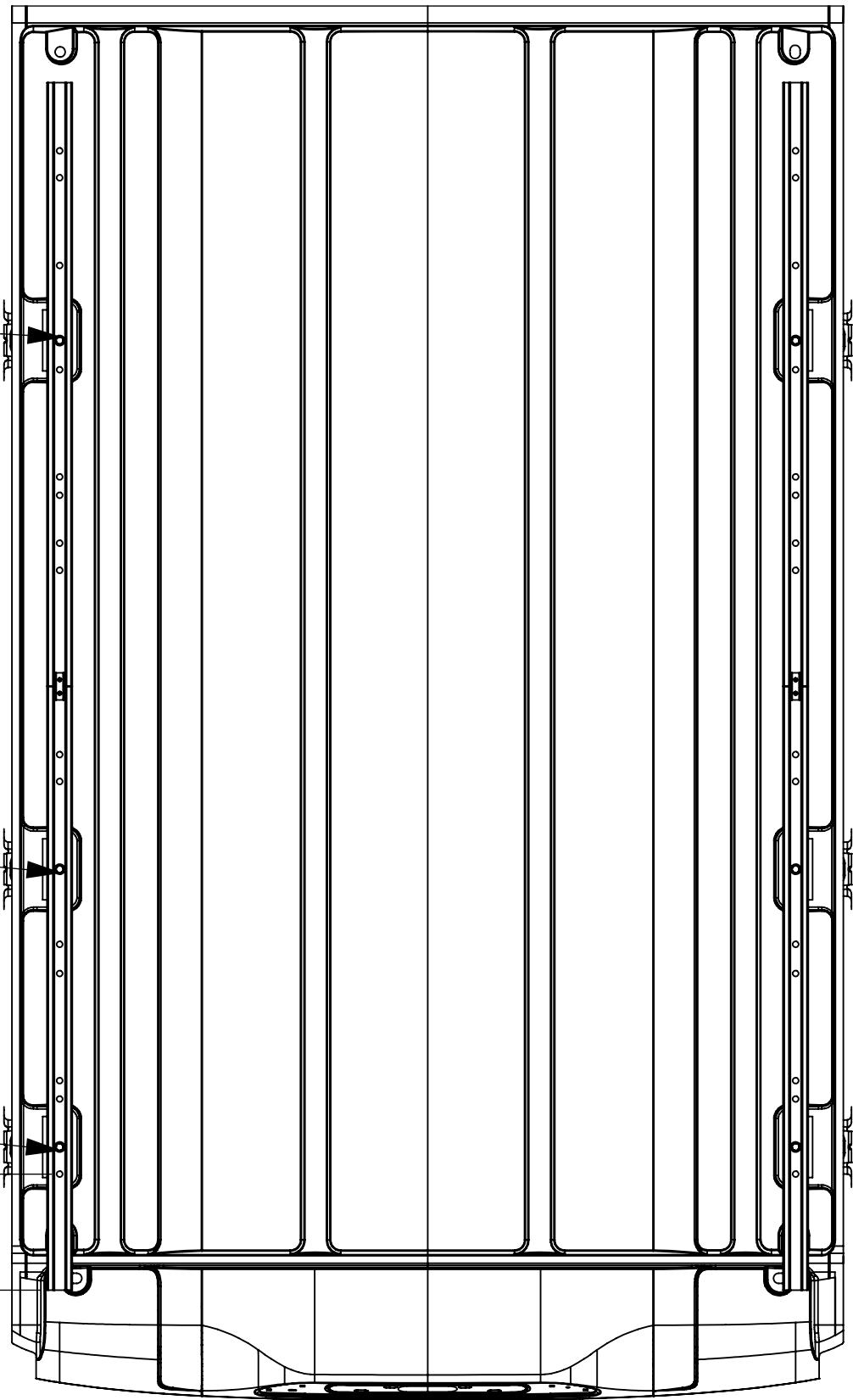
15TH HOLE

7TH HOLE

2ND HOLE

8 9/16"  
FIRST HOLE FROM  
END OF RAIL

REAR OF VEHICLE



## FRONT OF VEHICLE

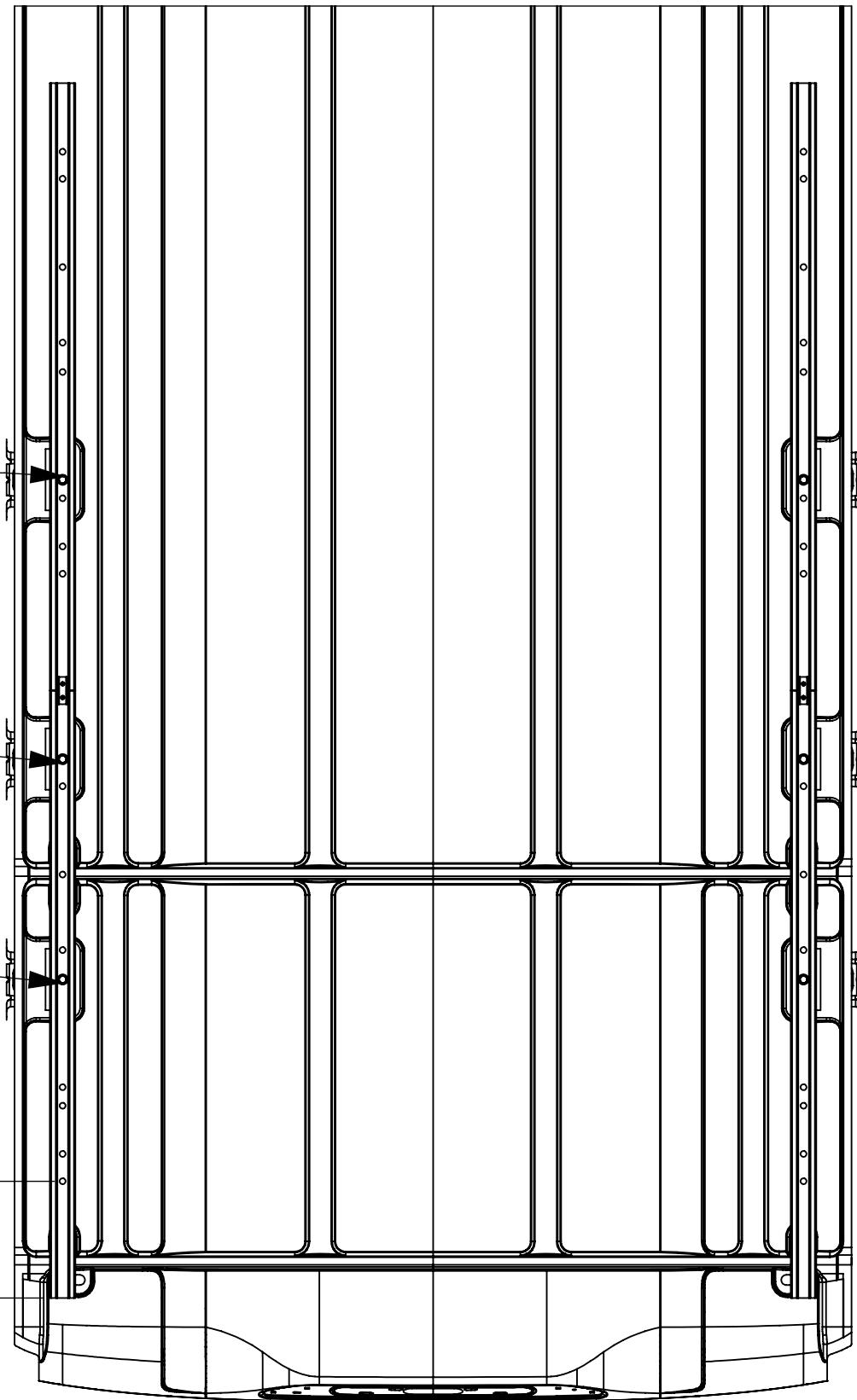
13TH HOLE

9TH HOLE

5TH HOLE

8 9/16"  
FIRST HOLE FROM  
END OF RAIL

REAR OF VEHICLE

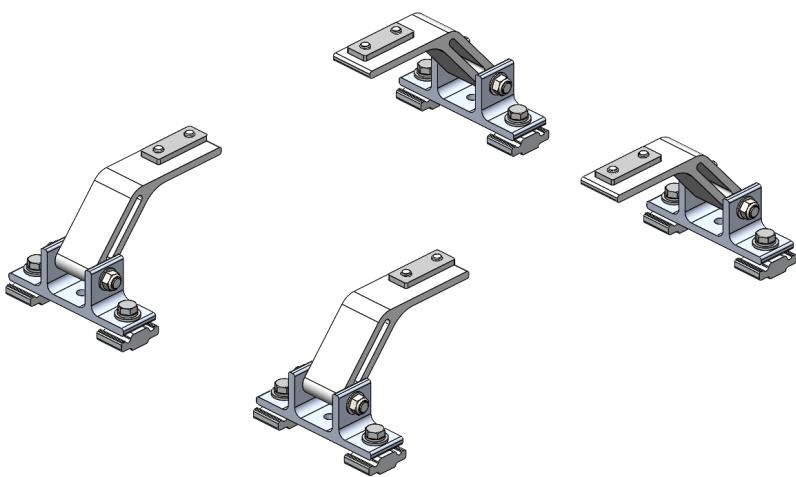


## Mounting Bracket Kit, 4-Pack, White, Multiple Pickups

**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.**

**PAGE 1 of 2**

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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.**

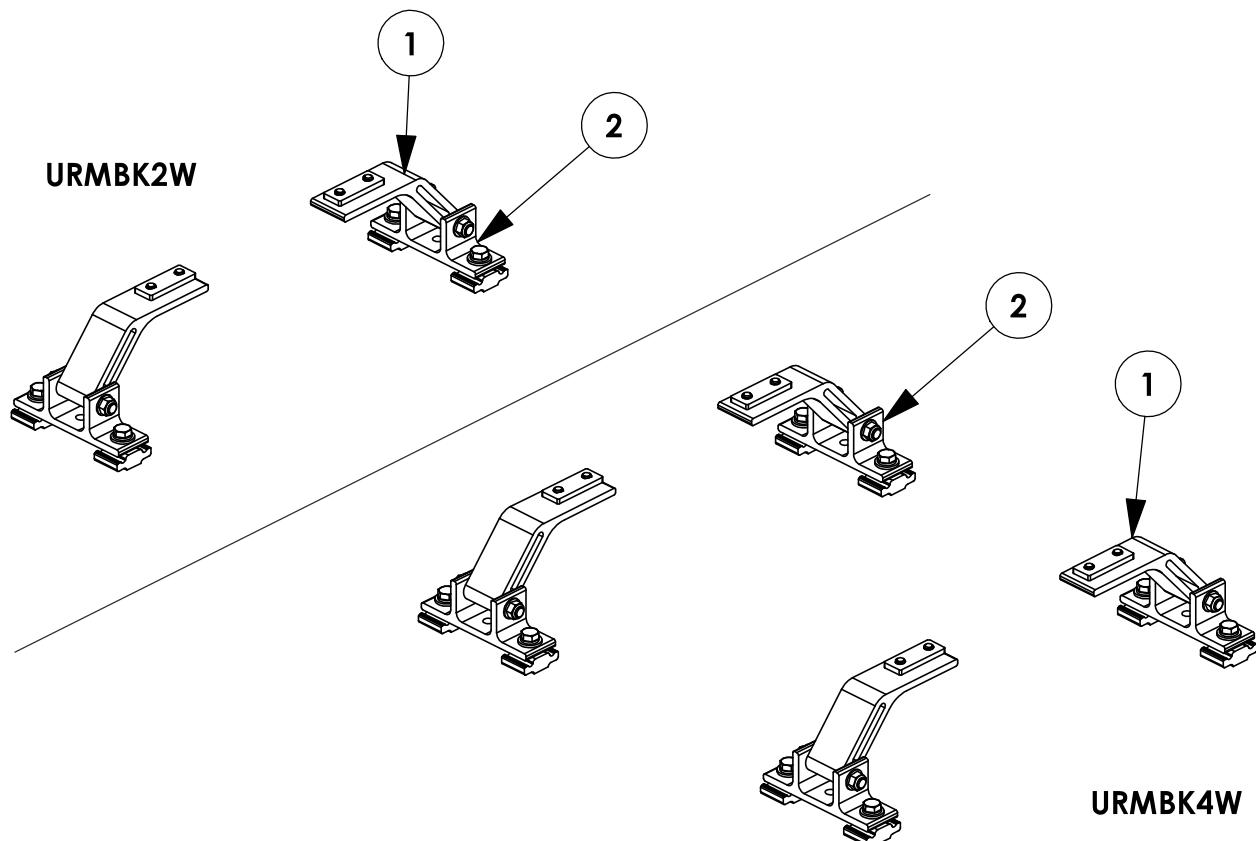
INSTR. NUMBER	66850	PG: 1	REV: E
PART NUMBER	<b>URMBK</b>		
PART DESC.	• UTILITY,MNT BKT KT,RAIL		

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.

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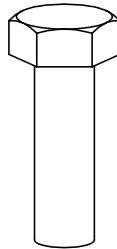
**3**

**FASTENERS AND HARDWARE USED**

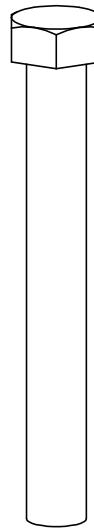
BAG REFERENCE: BAG66848



**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



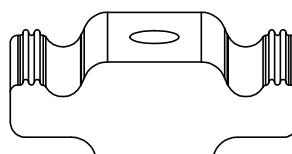
**FAS0857**  
5/16 SS WASHER,  
LOCK EXT CS  
QTY: 8



**FAS0588**  
5/16 SS  
SPLIT WASHER  
QTY: 8

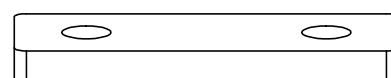


**FAS0552**  
5/16 SS  
FLAT WASHER  
QTY: 12



**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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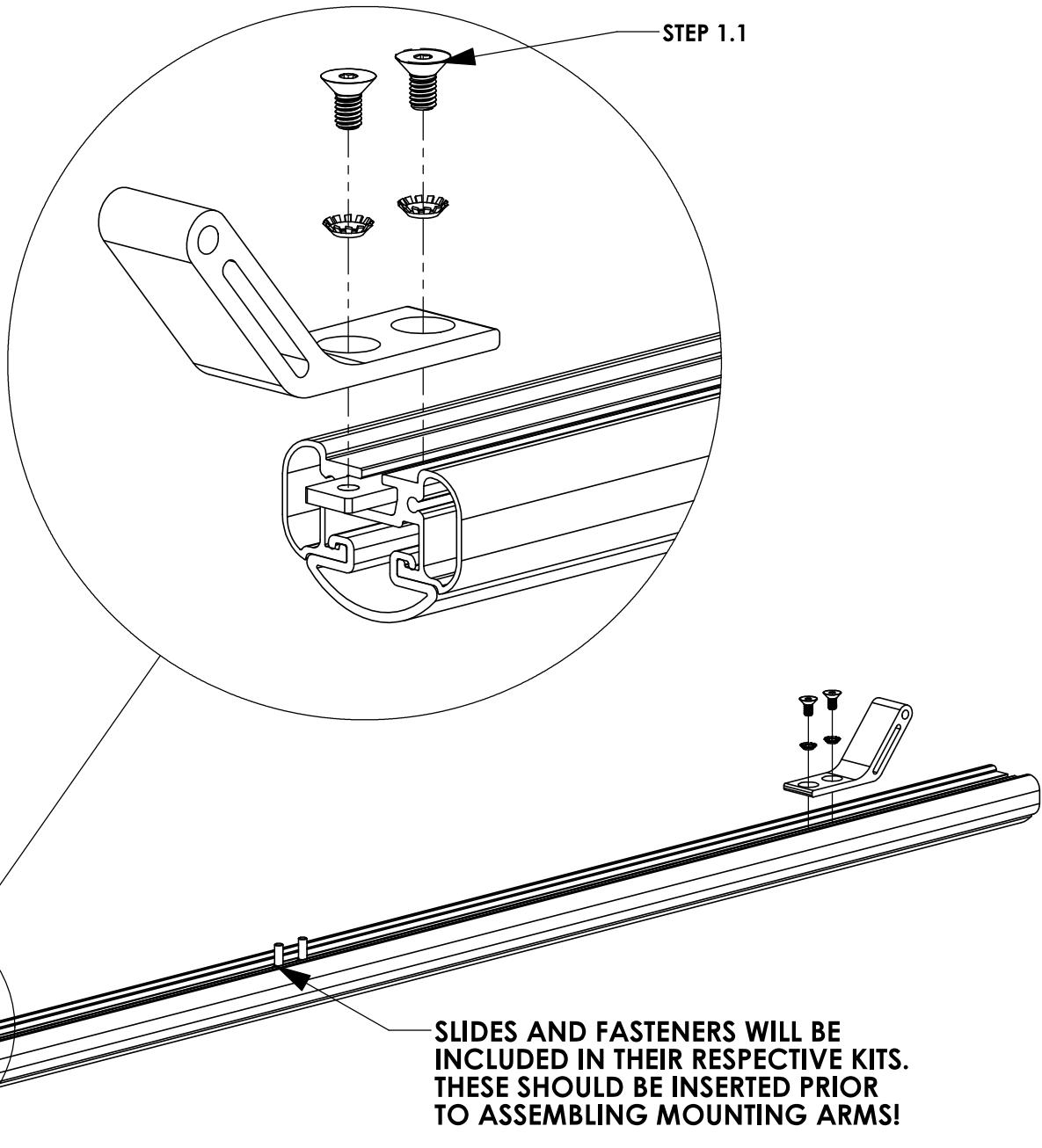
**STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW**

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!**

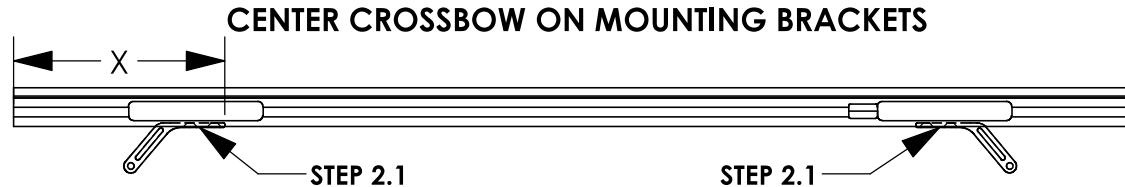
IF INSTALLING A GRIP-LOCK ON A PICKUP TRUCK TOPPER, ASSEMBLE MOUNTING ARMS FACING OUTWARD FOR THAT SIDE OF THE RACK



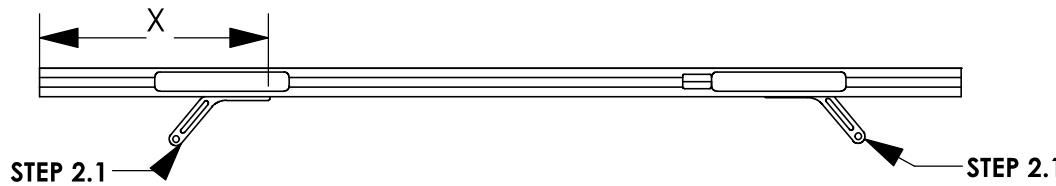
## STEP 2 - SECURE CROSSBOW

**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

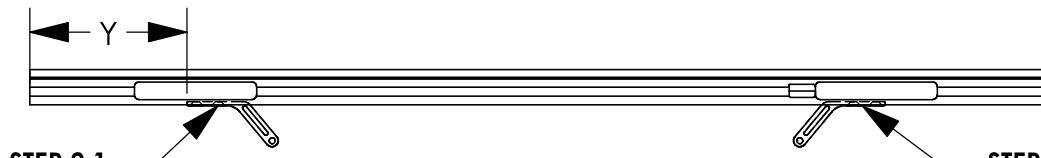
FEET ORIENTATION FOR DUAL PROLIFT SHOWN



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

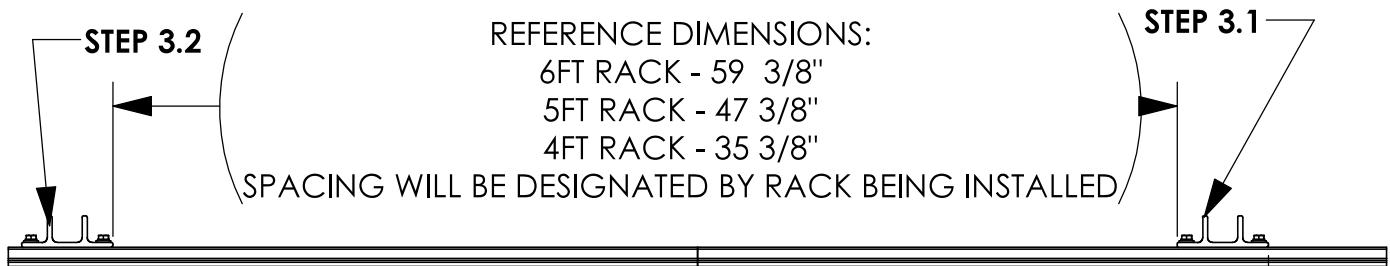
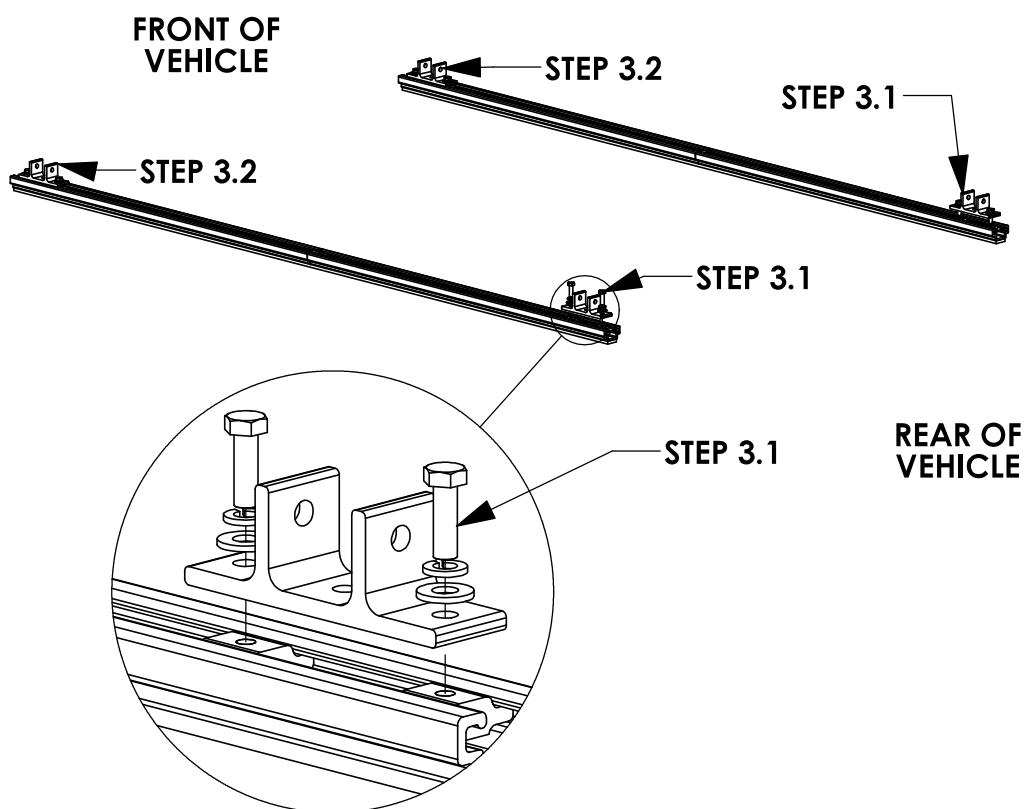
MAX 7 1/8"

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**

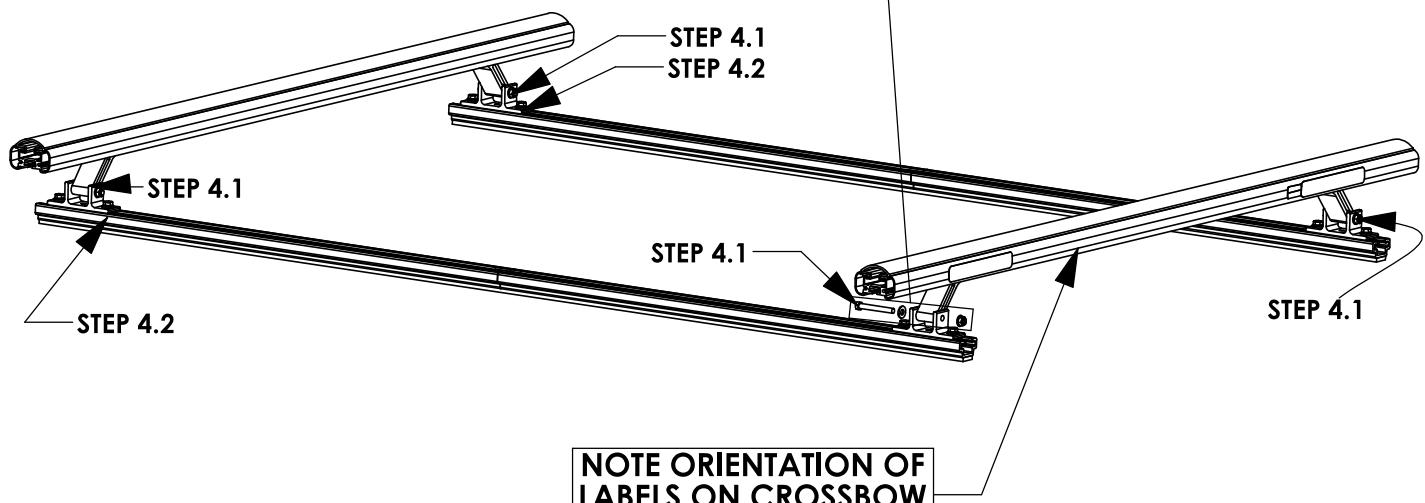
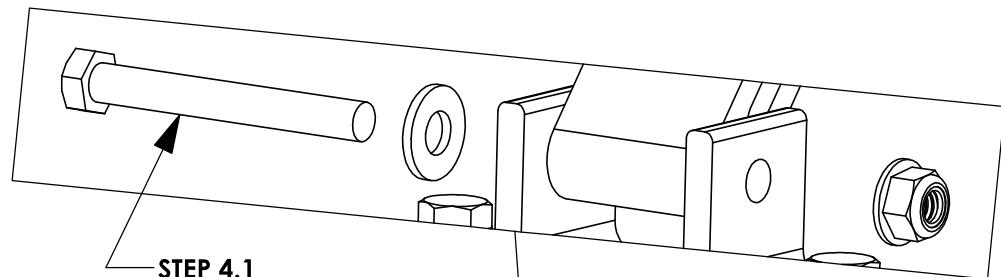
**BEFORE PROCEEDING WITH THIS STEP FINISH ASSEMBLING  
ACCESSORIES ONTO RACK. (IE GRIP LOCK, PROLIFT, ETC)**

**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

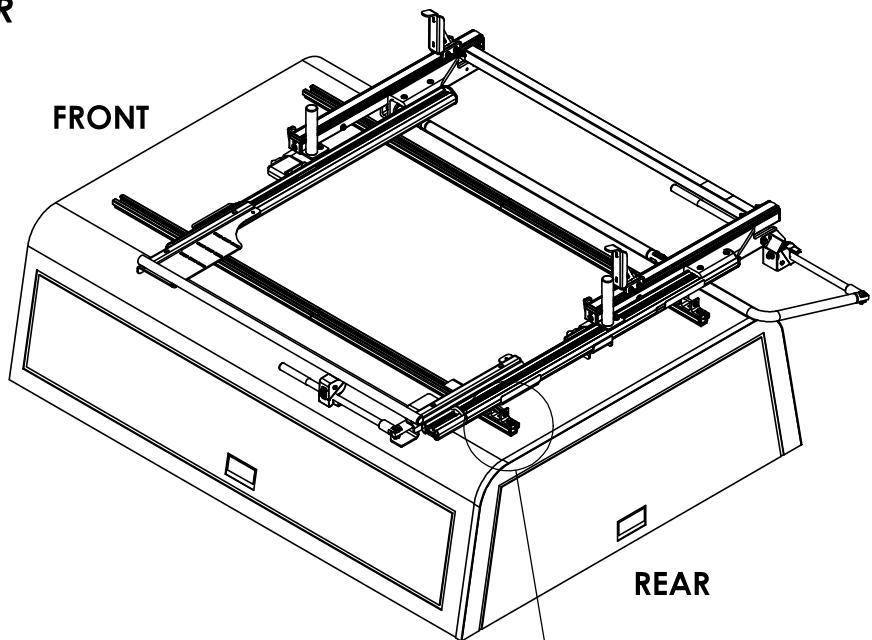
#### **GRIP LOCK/PROLIFT LADDER RACKS -**

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

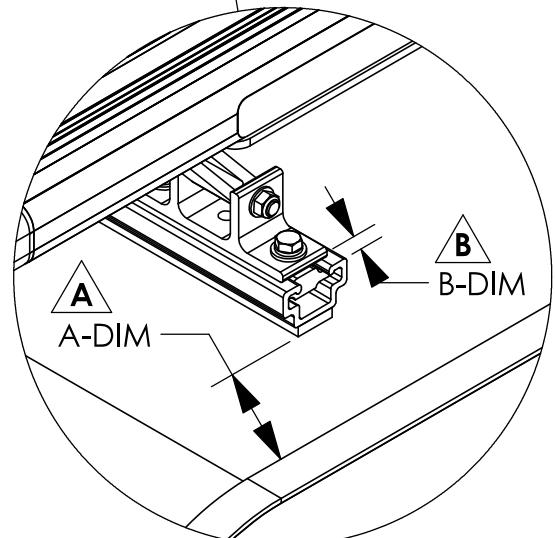
#### **6' ARE TOPPER / 8' LEER TOPPER**

**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**



**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	<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!**



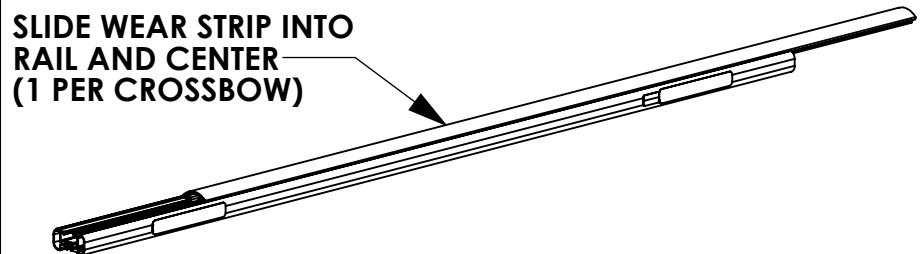
**TABLE 2**

<b>TOP OF CROSSBOW</b>		
COMPONENTS TO INSTALL		
<b>B.1</b>	<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
<b>BOTTOM OF CROSSBOW</b>		
COMPONENTS TO INSTALL		
<b>B.2</b>	<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**

<b>TOP OF CROSSBOW</b>	
COMPONENTS TO INSTALL	
<b>C.1</b>	<u>HD UTILITY</u> - 4" UPRIGHT
	<u>Grip-Lock</u> - N/A
	<u>ProLift</u> - SLIDES FOR BASE EXTRUSION
<b>BOTTOM OF CROSSBOW</b>	
COMPONENTS TO INSTALL	
<b>C.2</b>	<u>HD UTILITY</u> - UPRIGHTS (6", 9", RATCHET)
	<u>Grip-Lock</u> - STROBES
	<u>ProLift</u> - STROBES

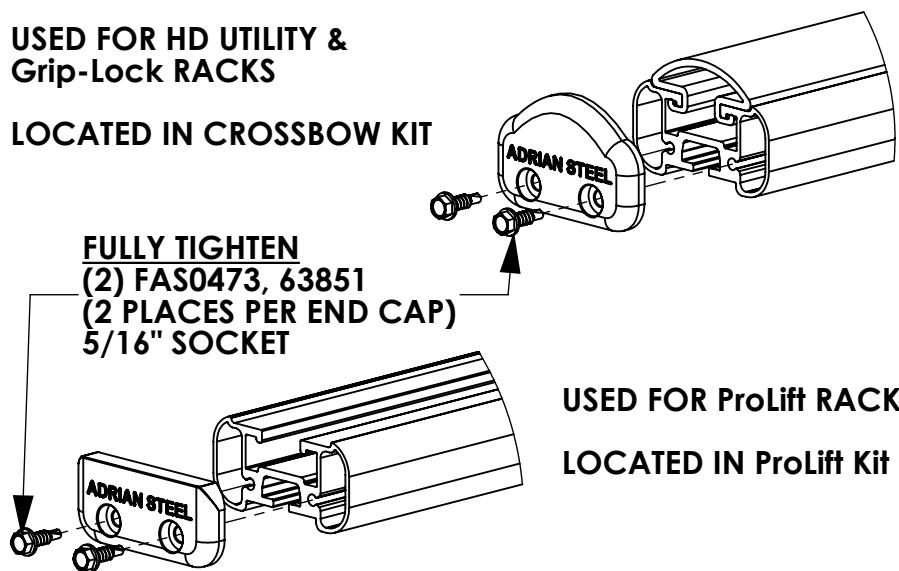
**ASSEMBLY STEPS (FULL BENCH ASSEMBLY):**

- 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)**

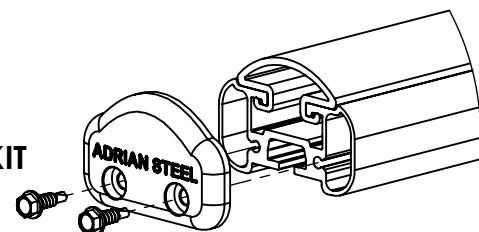
## **ALTERNATE ASSEMBLY METHOD! (ASSEMBLE ON VEHICLE ROOF):**

- 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!)**

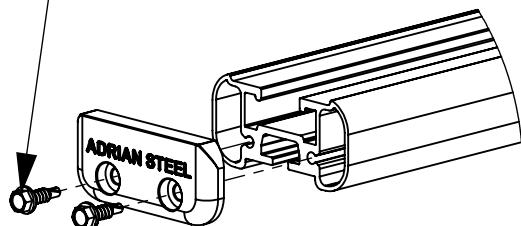
## **8R. ASSEMBLE END CAPS TO CROSSBOW**

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