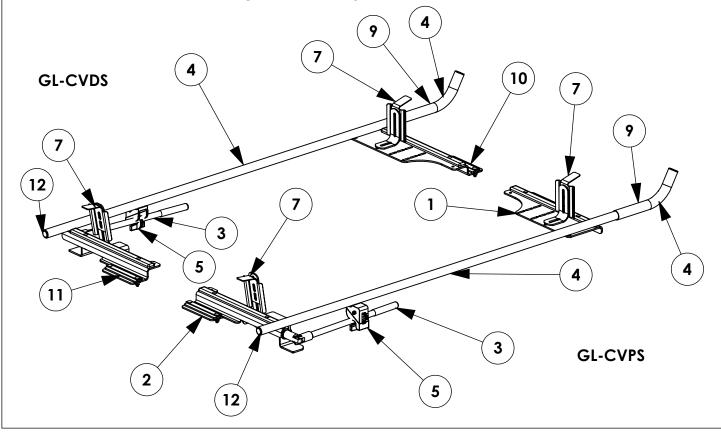
INSTR. : 68554	<i>PG:</i>	REV:	ITEM NO.	PART NUMBER	DESCRIPTION	GL-CVDS	GL-CVPS
		1	66359	GRIP LOCK FRONT BRACE ASSM CS	1	-	
PART SUMBER GL-CVPS & GL-CVPS			2	66360	GRIP LOCK REAR BRACE ASSM CS	1	-
PART • GRIP LOCK, COMPACT VAN, DS DESC. • GRIP LCOK, COMPACT VAN, PS			3	66291-W	GRIP LOCK HANDLE, WHITE	1	1
NOTE: THIS INSTRUCTION			4	68434	GRIP LOCK, CP TUBE ASM	1	1
IS VALID FOR THE FOLLOWING KITS:  -GL-CVDS -GL-CVPS -GL-CVPSB THESE INTRUCTIONS CAN BE			5	25340-0	HANDLE LATCH-STD	1	1
			6	50981-B	FRONT STOP POST	1	1
			7	66292-B	CLAMP PAD, BLACK	2	2
			8	66289-W	GRIP LOCK HANDLE POST, WHITE	1	1
			9	27254-B	SLEEVE-HORN,L.R. BLACK	1	1
			10	66361	GRIP LOCK FRONT BRACE SS ASSM	-	1
USED FOR A SINGLE O DOUBLE GRIP LOCK O	R N		11	66362	GRIP LOCK REAR BRACE ASSM SS	-	1
VARIOUS LOW ROOF	VEHIC	CLES	12	51363	CAP PLUG, RND 1.00, BLACK	1	1
DADT MINARPRO MITTH II MIII CHEFING A DE DA MITTE							

- PART NUMBERS WITH "-W" SUFFIXS ARE PAINTED WHITE FOR WHITE MOUNTING KITS, REPLACE "-W" WITH "-B" PARTS NOTE: 66359, 66360, 66361, & 66362 ARE ALSO AVAILABLE IN BLACK VARIENTS
- FOR THEIR IDENTIFICATION, ADD THE "-B" SUFFIX TO THE END OF THE PART NUMBER



2

GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING 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 USED QUANITITIES PROVIDED ARE FOR A SINGLE SIDE INSTALL



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



FAS0248 5/16-18 SS NYL NUT QTY: 6

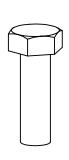


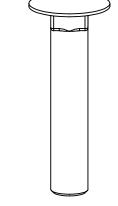
FAS0399 3/8-16 SS NYL NUT QTY: 1

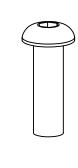


FAS0552 5/16 SS FLAT WASHER QTY: 16







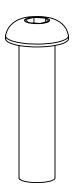


FAS0588 5/16 SS SPLIT WASHER QTY: 4

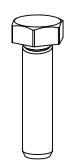
FAS0597 5/16-18 X 1.0 SS HH SCREW QTY: 2

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

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



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



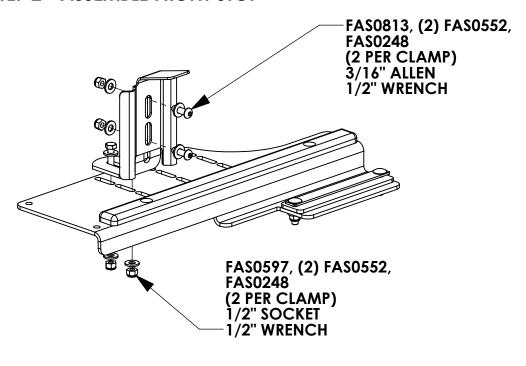
FAS0830 5/16-18 X 1.25 SS HH SCREW QTY: 4



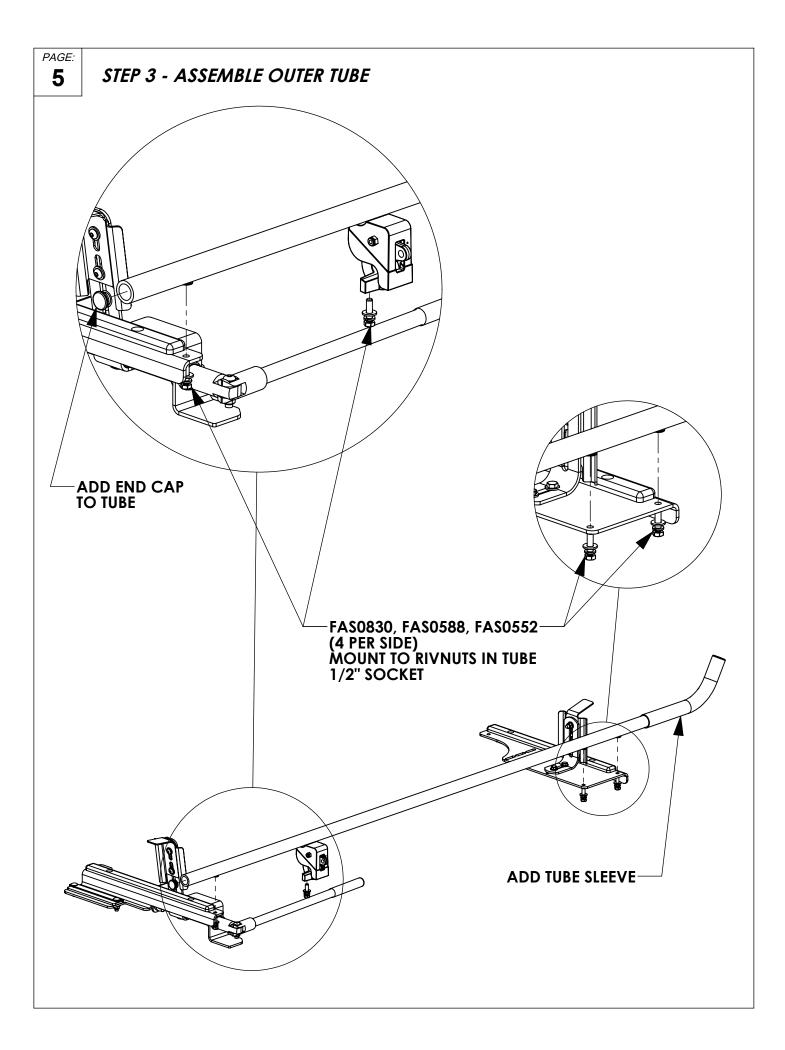
51363 1" RND BLK CAP PLUG QTY: 1

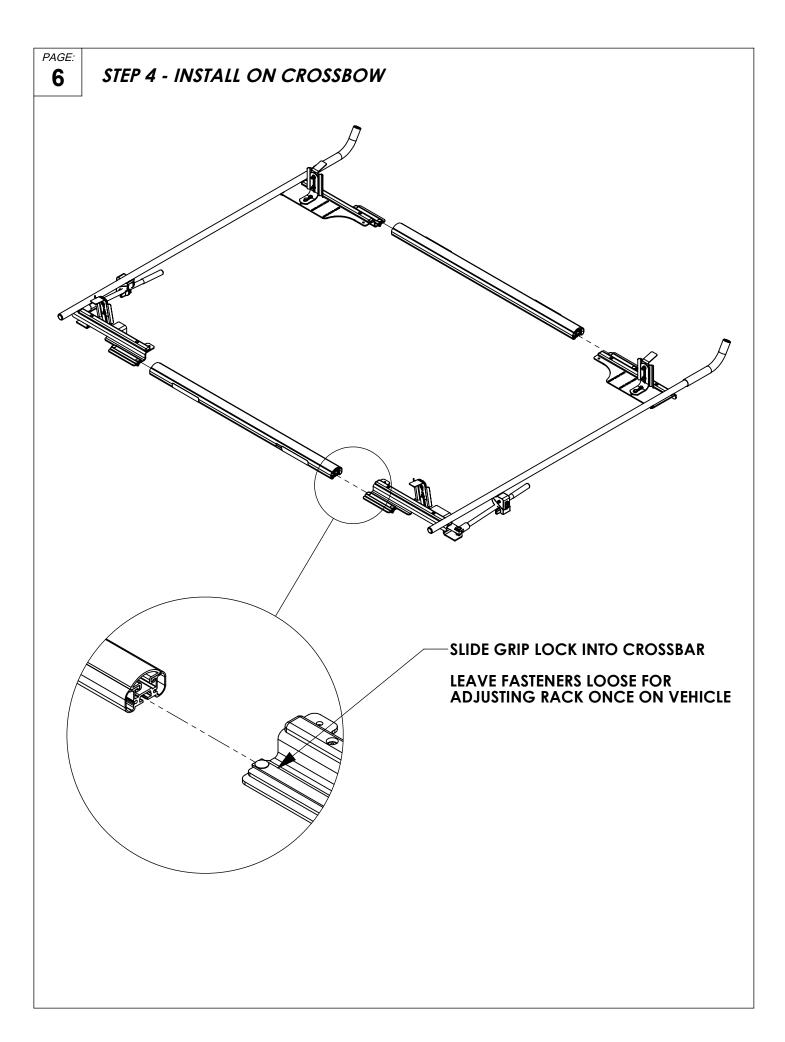
# PAGE: 4 **BEGIN ASSEMBLY** FAS0813, (2) FAS0552, STEP 1 - ASSEMBLE REAR STOP AND HANDLE **FAS0248** (2 PER CLAMP) 3/16" ALLEN 1/2" WRENCH FAS0819, FAS0399 (1 PER SIDE) 7/32" ALLEN 9/16" WRENCH-FAS0721, FAS0110 (1 PER CLAMP)

#### STEP 2 - ASSEMBLE FRONT STOP



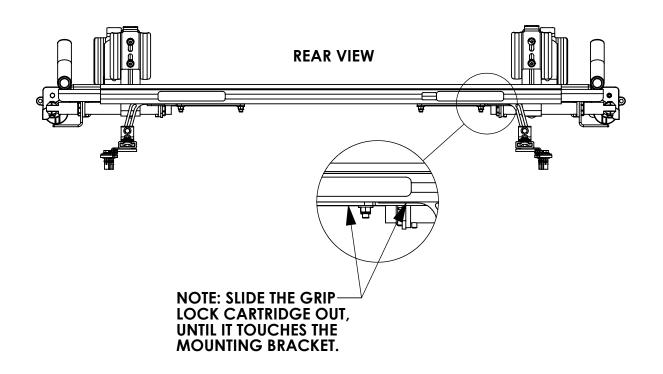
9/16" SOCKET

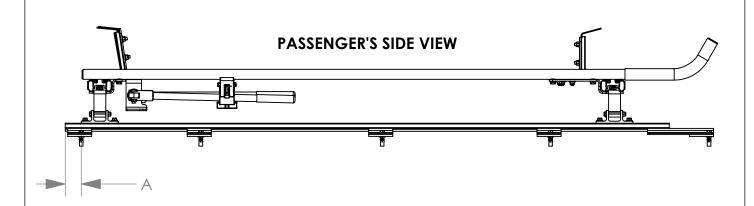




## STEP 5 - MOUNTING DIMENSIONS GUIDE

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





VEHICLE	TRANSIT CONNECT LWB	TRANSIT CONNECT SWB	PROMASTER CITY	MERCEDES METRIS LWB	MERCEDES METRIS SWB
Α	2.0	2.0	2.0	2.0	2.0

NOTE: "A" IS DISTANCE FROM END OF ROOF RAIL TO MOUNTING BRACKET FOOT

INSTR. : 68558	PG:	REV:	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
DART	-		1	68202-W	PROFILE, MOUNTING ARM, W	4
PART CRMBK4W			2	63852-W	UTILITY, MOUNTING BRKT, W	4
PART • COMPCT,MNT BKT KT,RAIL,4W		3*	63915-W	UTILITY, CROSSBOW, 58", WHITE	2	
		4*	63914	UTILITY, WEAR STRIP, 58"	2	
ITEMS NOTED (#*) ARE		5*	63851	UTILITY RCK,END CAP,BLACK	4	
PART OF: 2BARCW						•

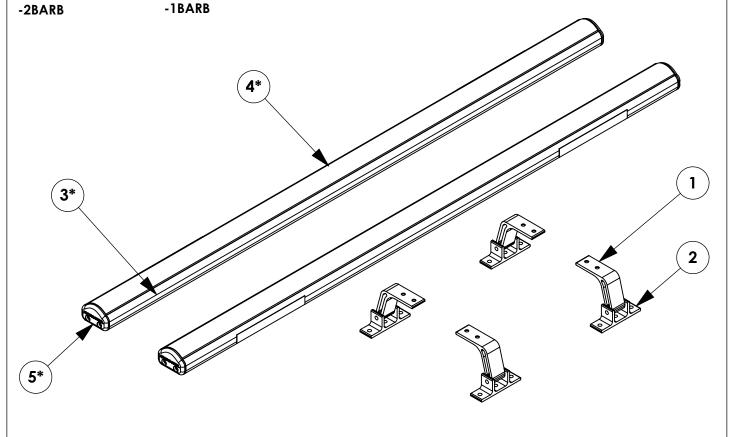
NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS:

#### **MOUNTING KITS**

- -URMBK4W (SHOWN)
- -URMBK4B
- -URMBK2W
- -URMBK2B

#### **CROSSBOW KITS**

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



2

GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING 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.

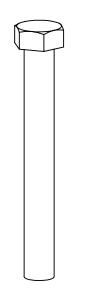
PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

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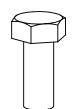
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

## **FASTENERS USED**









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

FAS0552 5/16 SS FLAT WASHER QTY: 12

FAS0588 5/16 SS SPLIT WASHER QTY: 8

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



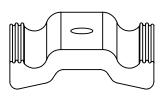


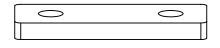


FAS0857 5/16 SS CS EXT LCK WASHER QTY: 8

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

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

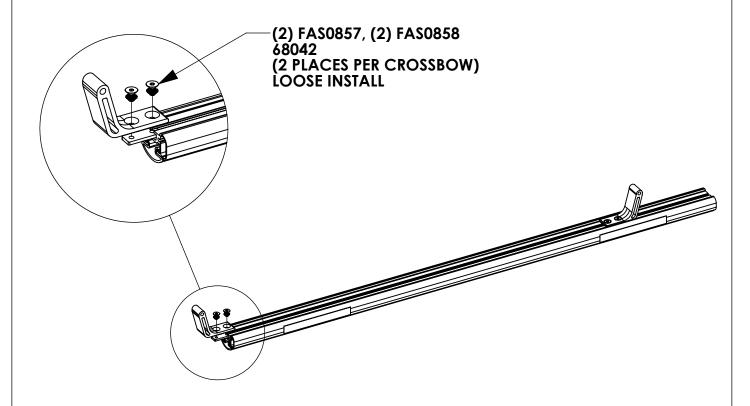




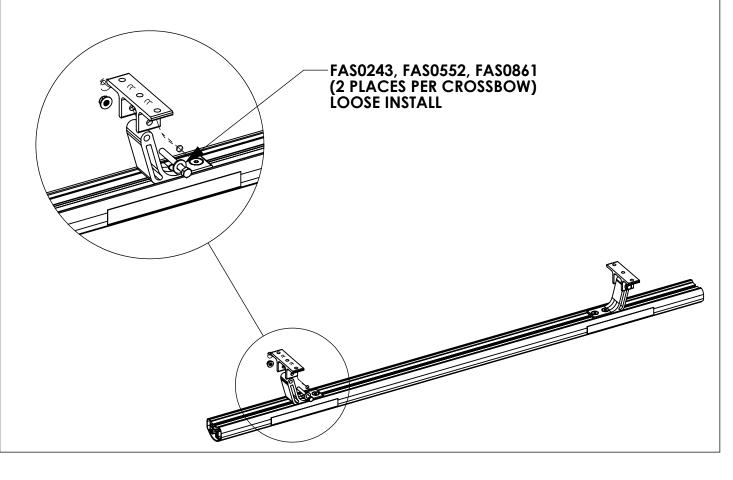
35335-0 1.5" AD RAIL QTY: 8

68042 PROFILE FOOT MTG PLATE QTY: 4

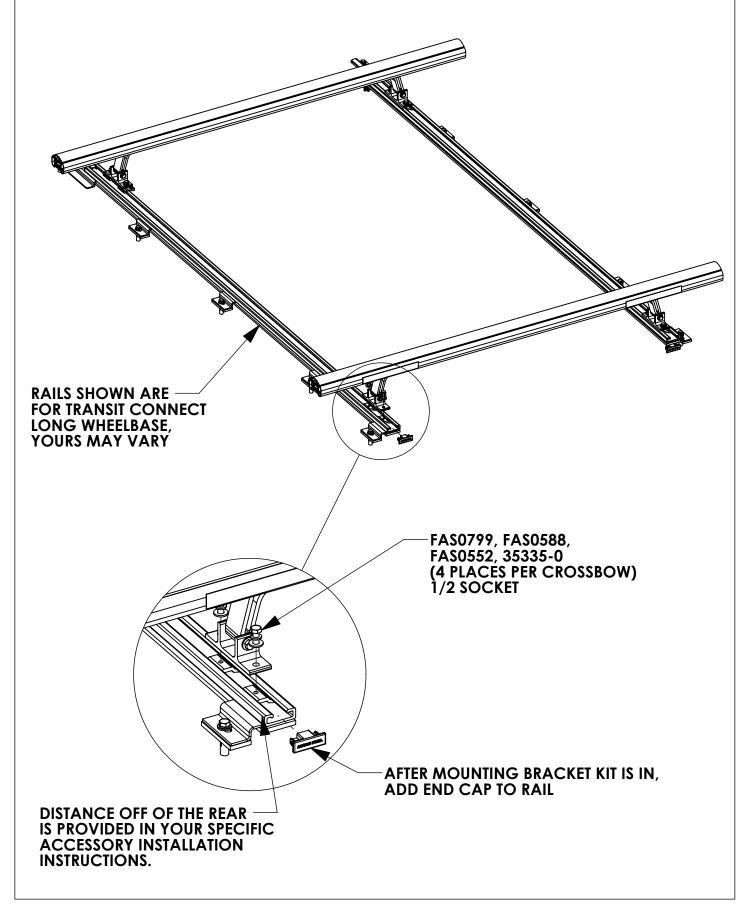
# BEGIN ASSEMBLY STEP 1 - ASSEMBLE MOUNTING ARMS TO CROSSBOW

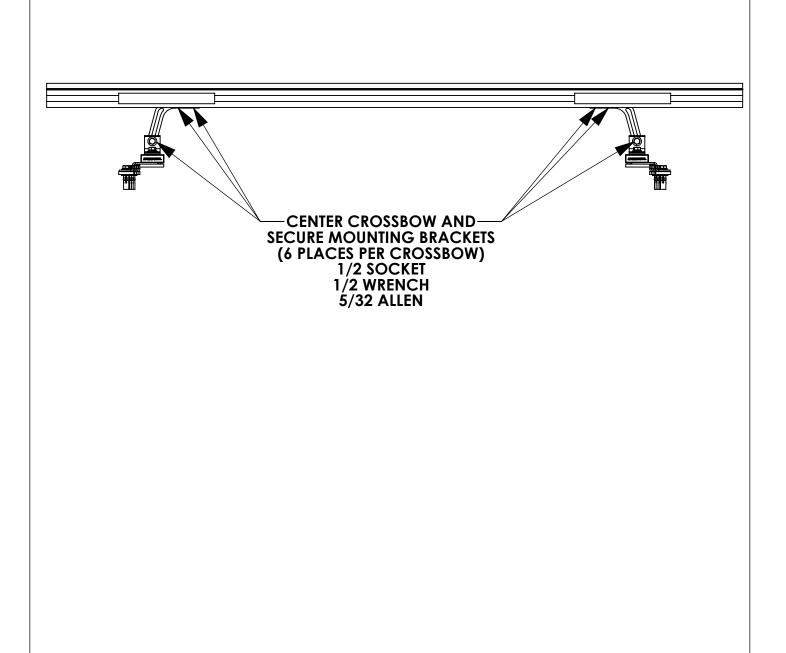


# STEP 2 - ASSEMBLE MOUNTING BRACKETS TO MOUNTING ARMS



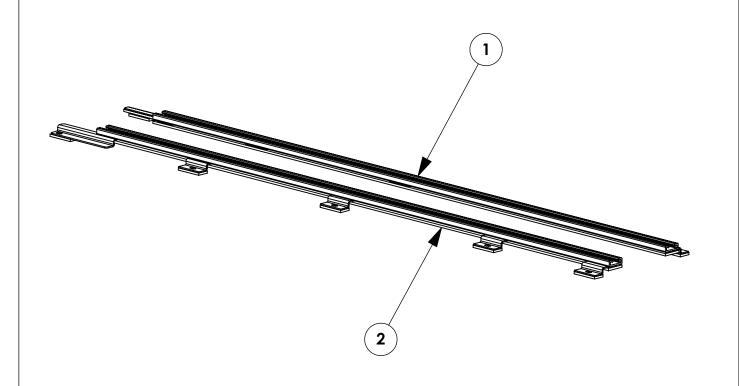
# BEGIN INSTALLATION STEP 3 - INSTALL MOUNTING BRACKET TO RAIL





INSTR. 1 68562	<i>PG:</i> <b>1</b>	REV:	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
DART	-		1	68560	ROOF RAIL W/FOAM, TCL, PS	1
PART RRKTCL	_		2	68561	ROOF RAIL W/FOAM, TCL, DS	1

 $^{\it PART}_{\it DESC.}$  • ROOF RAIL KIT, TC LWB



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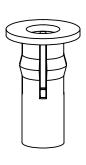
MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

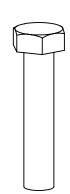
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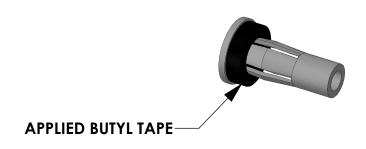


FAS0091 5/16-18 PB PLUSNUT QTY:10

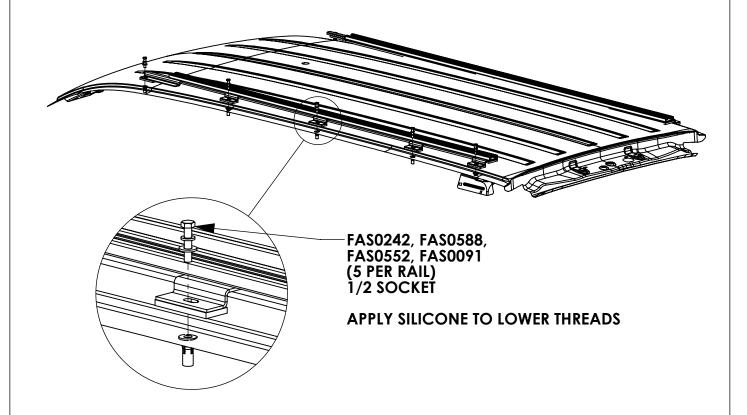
FAS0242 5/16-18 X 1.5 SS HH SCREW QTY:10 FAS0552 5/16 SS FLAT WASHER QTY:10 FAS0588 5/16 SS SPL WASHER QTY:10

#### STEP 1 - PREP ROOF HOLES

- a) REMOVE OEM PLASTIC PLUGS FROM ALL 10 ROOF MOUNTING LOCATIONS.
- b) CLEAR DRILL PATH BELOW OEM HOLES (i.e. WIRING, AIRBAGS, ETC.)
- c) USE 1/2" DRILL BIT TO OPEN UP OEM HOLES.
  - !!! CAUTION USE A DRILL STOP WHEN OPENING OEM HOLES !!!
- d) CLEAN SHAVINGS OFF OF VEHICLE.
- e) APPLY PRIMER TO HOLE EDGES TO PREVENT CORROSION.
- f) APPLY BUTYL TAPE TO PLUSNUTS AND SET FASO091



## STEP 2 - INSTALL ROOF RAILS



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



# 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.

#### PAGE 1 of 1

# INSTALLATION GUIDE FOR PROFILE™ SERIES LADDER RACKS

**68895** 



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.

REV:

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 HD UTILITY CONDUIT KIT OR BEACON Grip-Lock **A.1** CONDUIT KIT OR BEACON - CONDUIT KIT OR BEACON ProLift **BOTTOM OF CROSSBOW** COMPONENTS TO INSTALL LADDER STOP, STROBE BRACKET, HD UTILITY AND/OR REAR ROLLER **A.2** 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!\*



## TABLE 2

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

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

# TABLE 3

ADDED ACCESSORIES	ALTERATION FOR WEAR STRIP
4" UPRIGHT***	REMOVE 2" FROM END OF WEAR STRIP
4" PVC CONDUIT KIT	REMOVE 7.25" FROM CENTER OF WEAR STRIP
6" PVC CONDUIT KIT	REMOVE 9.50" FROM CENTER OF WEAR STRIP
ALUMINUM BOX CONDUIT KIT	REMOVE 13.25" FROM CENTER OF WEAR STRIP
BEACON	REMOVE 4" FROM CENTER OF WEAR STRIP
ProLift (SINGLE SIDE)	CUT WEAR STRIP IN HALF, DO NOT INSTALL ON ProLift SIDE
ProLift (DUAL SIDE)	DO NOT INSTALL WEAR STRIP







PAGE.

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



## **TABLE 4**

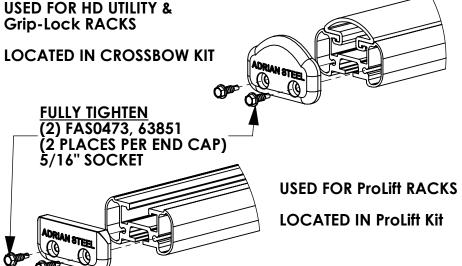
TOP OF CROSSBOW						
	COMPONENTS TO INSTALL					
	HD UTILITY	- 4" UPRIGHT				
C.1	<u>Grip-Lock</u>	- N/A				
	<u>ProLift</u>	- SLIDES FOR BASE EXTRUSION				

# DOTTOM OF CROSSROW

ROLLOW OF CKO22ROM						
	COMPONENTS TO INSTALL					
	HD UTILITY	- UPRIGHTS (6", 9", RATCHET)				
C.2	Grip-Lock	- 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



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)

# <u>ALTERNATE ASSEMBLY METHOD!</u> (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)

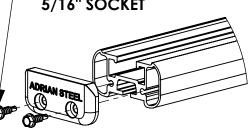
- 3R. MOUNT CROSSBOW SUB-ASSEMBLIES FROM STEP 1 TO VEHICLE/MOUNTING BRACKET, OR ROOF RAIL (LOOSE INSTALL)
- 4R. ADD DRIVELINES (IF INSTALLING ProLift)
- 5R. ADD HANDLES (IF INSTALLING Grip-Lock OR ProLift) AND DAMPERS (IF INSTALLING ProLift)
- 6R. ADD OUTER SUPPORT BARS (IF INSTALLING Grip-Lock OR ProLift)
- 7R. ADD STEP LADDER KIT (Grip-Lock OR ProLift ONLY!)



USED FOR HD UTILITY & Grip-Lock RACKS

LOCATED IN CROSSBOW KIT





USED FOR ProLift RACKS
LOCATED IN ProLift Kit