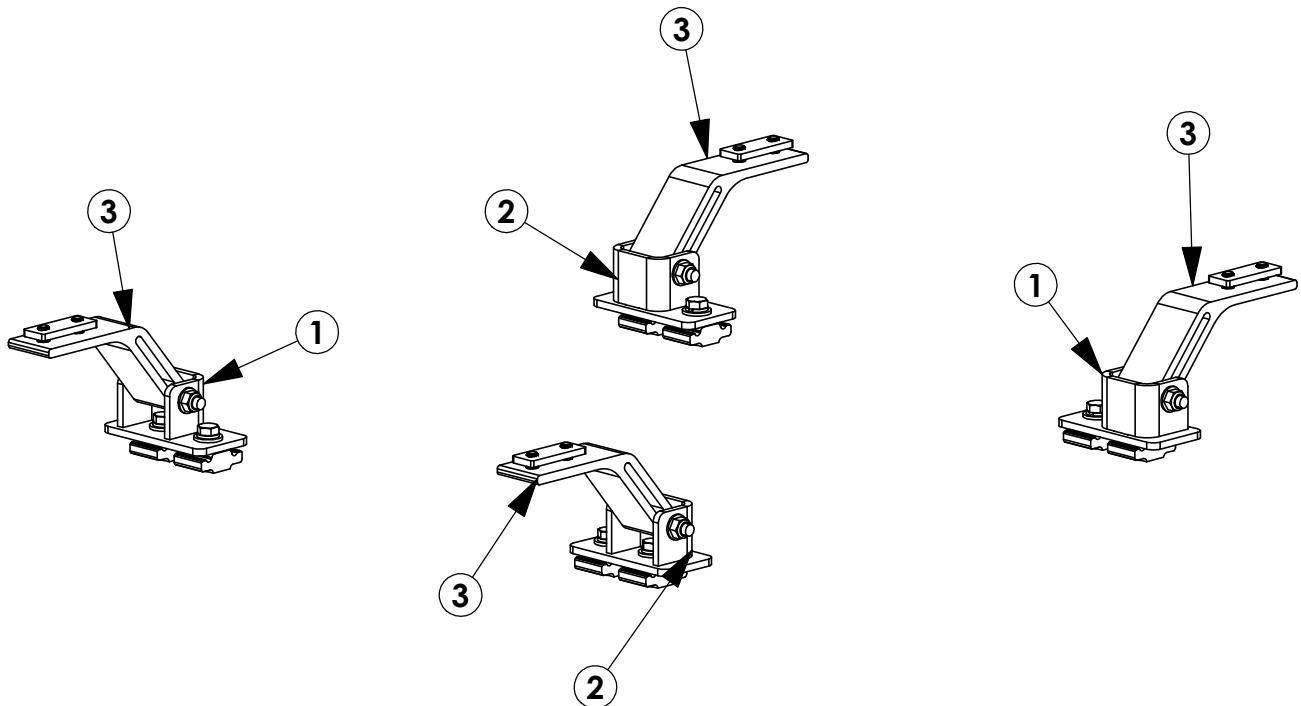


INSTR. NUMBER : 69907	PG: 1	REV: B	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER : MAVRMBK4			1	69903-W	MAV RAIL BRKT FDS/RPS,W	2
PART DESC. : MAV RAIL MNT BKT KT,4			2	69904-W	MAV RAIL BRKT FPS/RDS,W	2
			3	68040-W	PROFILE, MOUNTING ARM, SHORT,W	4

- 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:**

- MAVRMBK4W
- MAVRMBK4B



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 HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

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

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

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

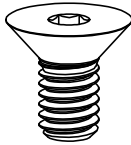
MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

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

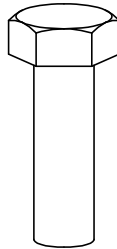
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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

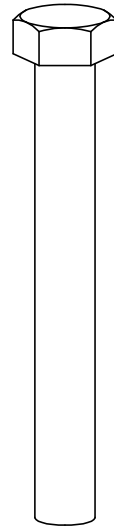
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS AND HARDWARE USED
BAG REFERENCE: BAG 66848

FAS0858
5/16-18X.63 SS
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, LCK EXT CS
QTY: 8



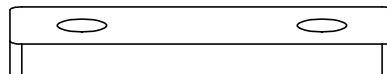
FAS0588
5/16 SS
SPLIT WASHER
QTY: 8



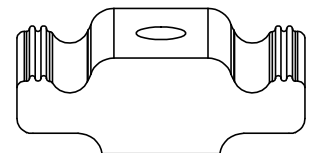
FAS0552
5/16 SS
FLAT WASHER
QTY: 12



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



68042
PROFILE FOOT
MOUNTING PLATE
QTY: 4



63490
RAIL SLIDE,
1"
QTY: 8

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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**

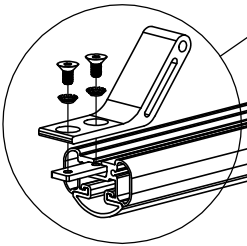
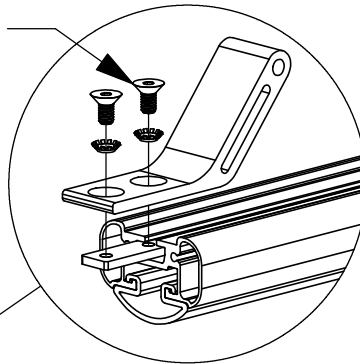
**(2) FAS0857, (2)
FAS0858, 68042**

**(02 PLACES PER
CROSSBOW)
3/16" ALLEN**

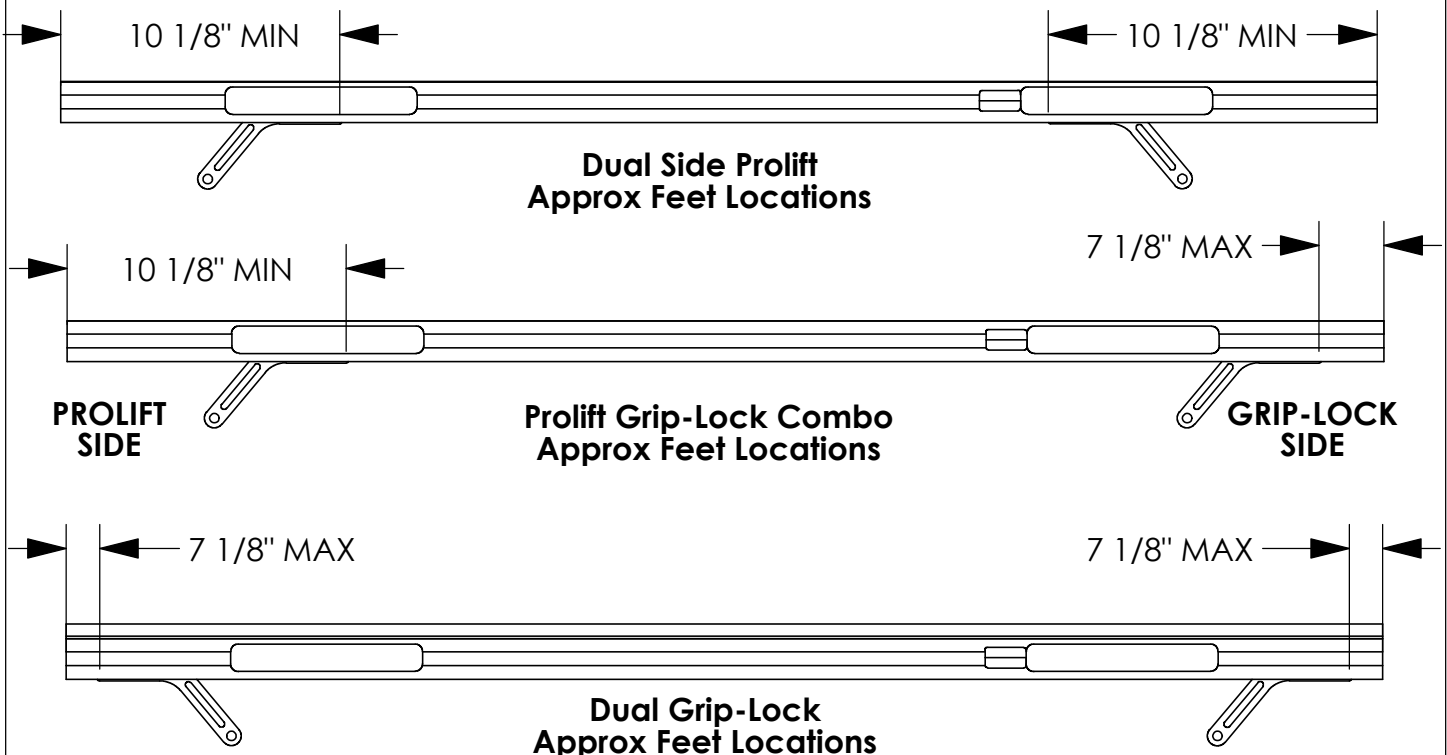
ATTENTION!

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

STEP 1.1



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



STEP 2 - ASSEMBLE MOUNTING BRACKETS TO ROOF RAILS**STEP 3.1****FULLY TIGHTEN**

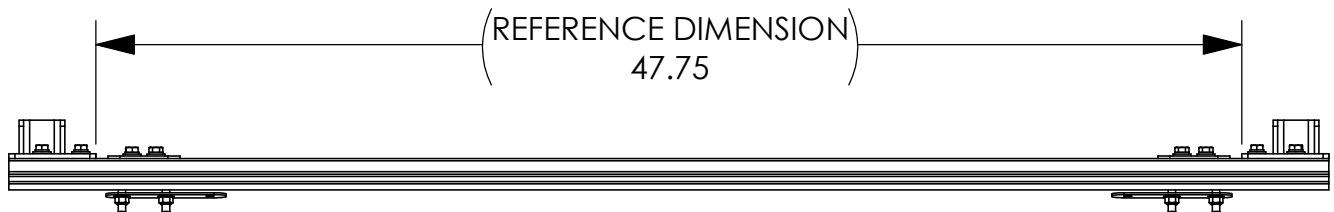
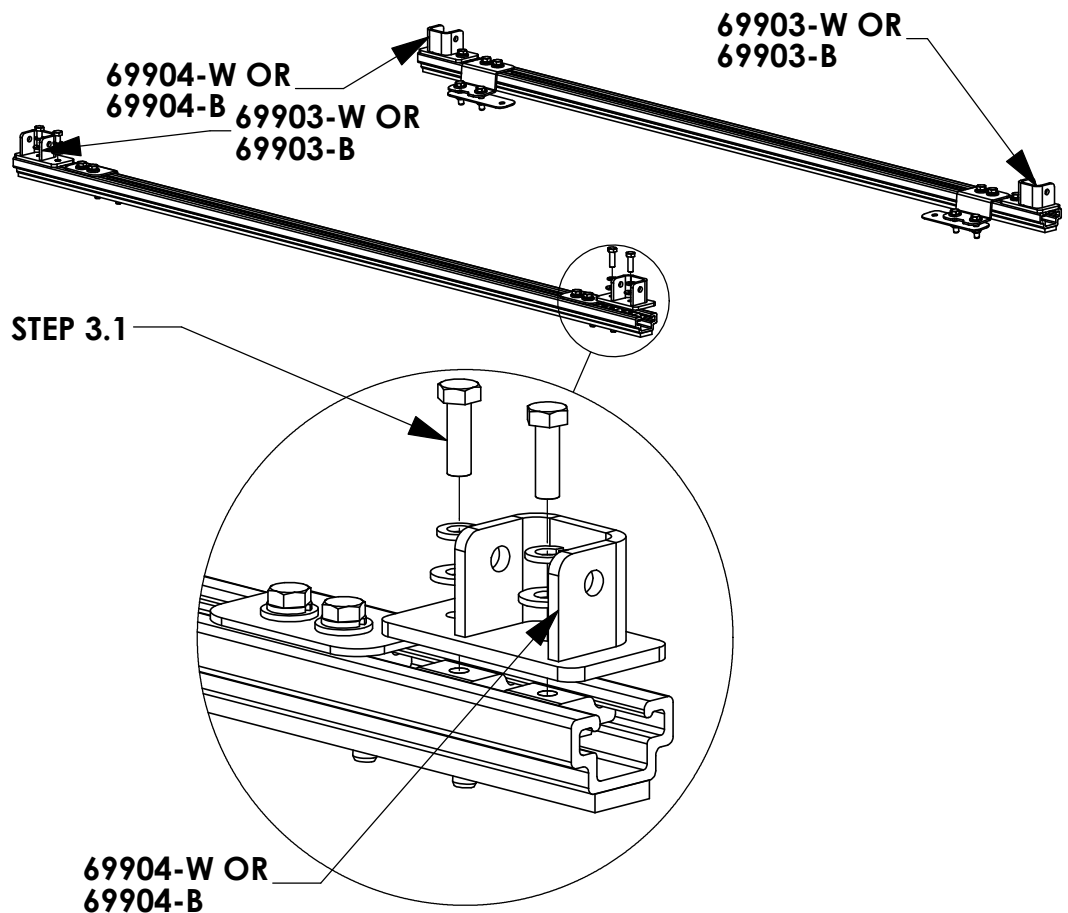
FAS0597, FAS0552,
FAS0588, 63490 ON
REAR MOUNTING FEET

(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



**DO NOT FULLY TIGHTEN! YOU MAY
NEED TO MOVE BRACKETS SLIGHTLY!**

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 -

REFER TO RESPECTIVE INSTRUCTION FOR CROSSBOW PLACEMENT

STEP 3 - 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)

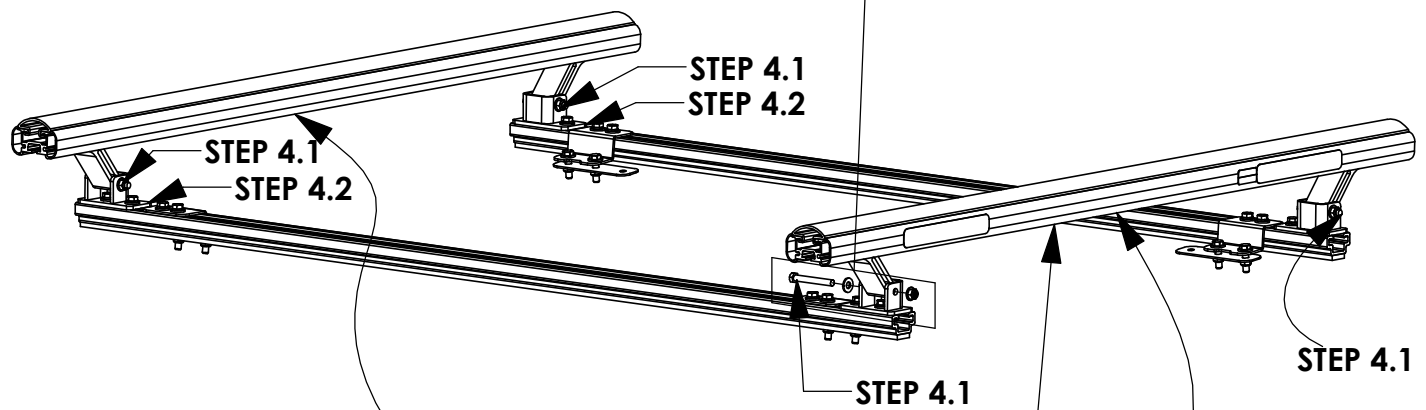
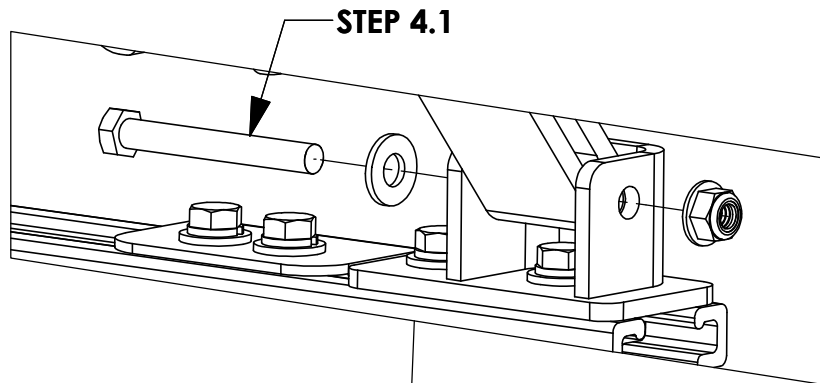
1/2" SOCKET
1/2" WRENCH

STEP 4.2**FULLY TIGHTEN**

FAS0597, FAS0552,
FAS0588, 63490 ON
FRONT MOUNTING
FEET

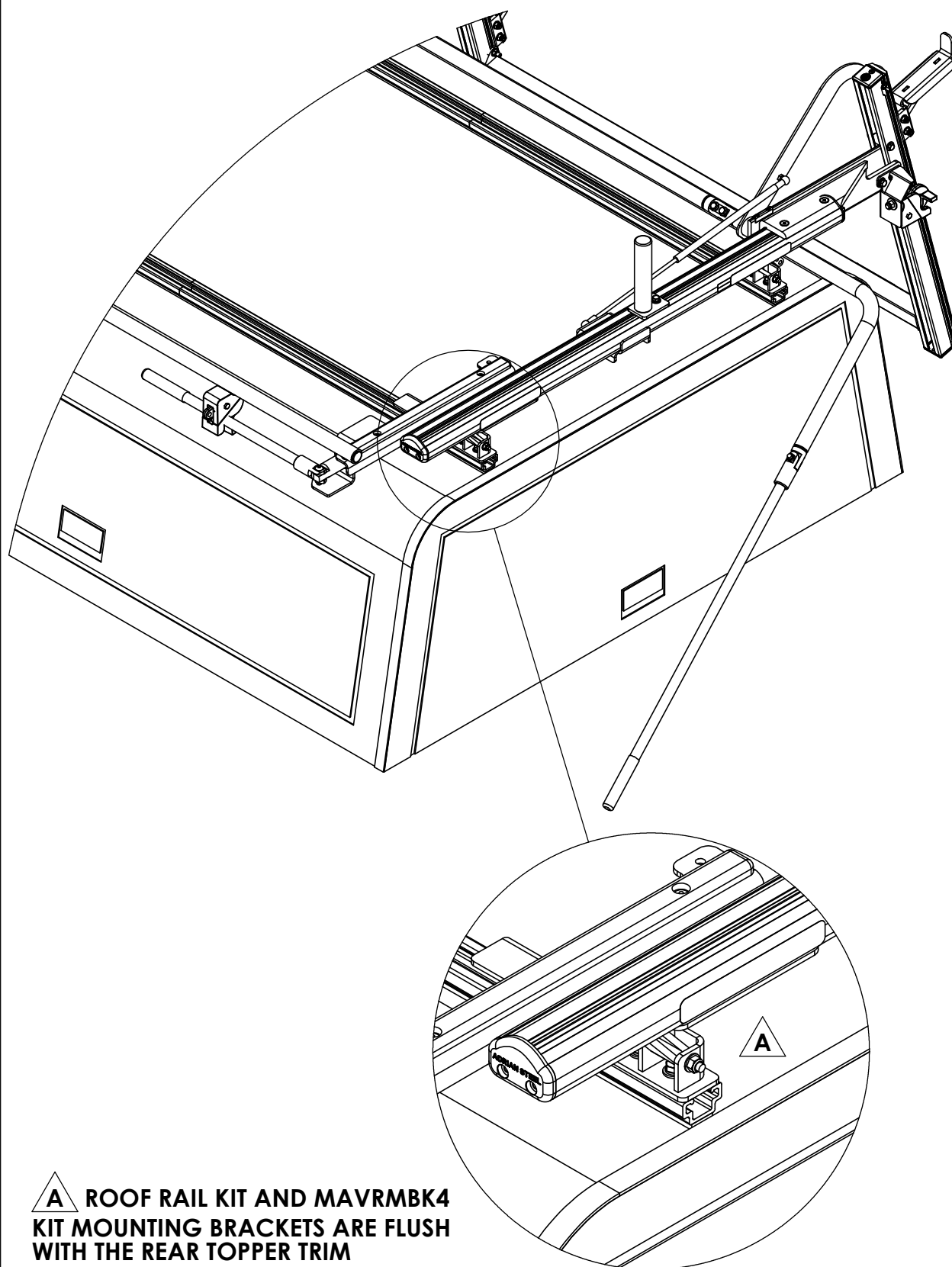
(02 PLACES PER
MOUNTING FOOT)

1/2" SOCKET



**NOTE ORIENTATION OF LABELS
ON CROSSBOW**

REFERENCE - NO ACCESSORIES SHOWN

STEP 4 - ADJUST MOUNTING BRACKET LOCATION IF NECESSARY

A ROOF RAIL KIT AND MAVRMBK4
KIT MOUNTING BRACKETS ARE FLUSH
WITH THE REAR TOPPER TRIM

INSTALLATION IS COMPLETE!! MAKE SURE ALL FASTENERS ARE TIGHTENED