

INSTR. NUMBER : **69484**

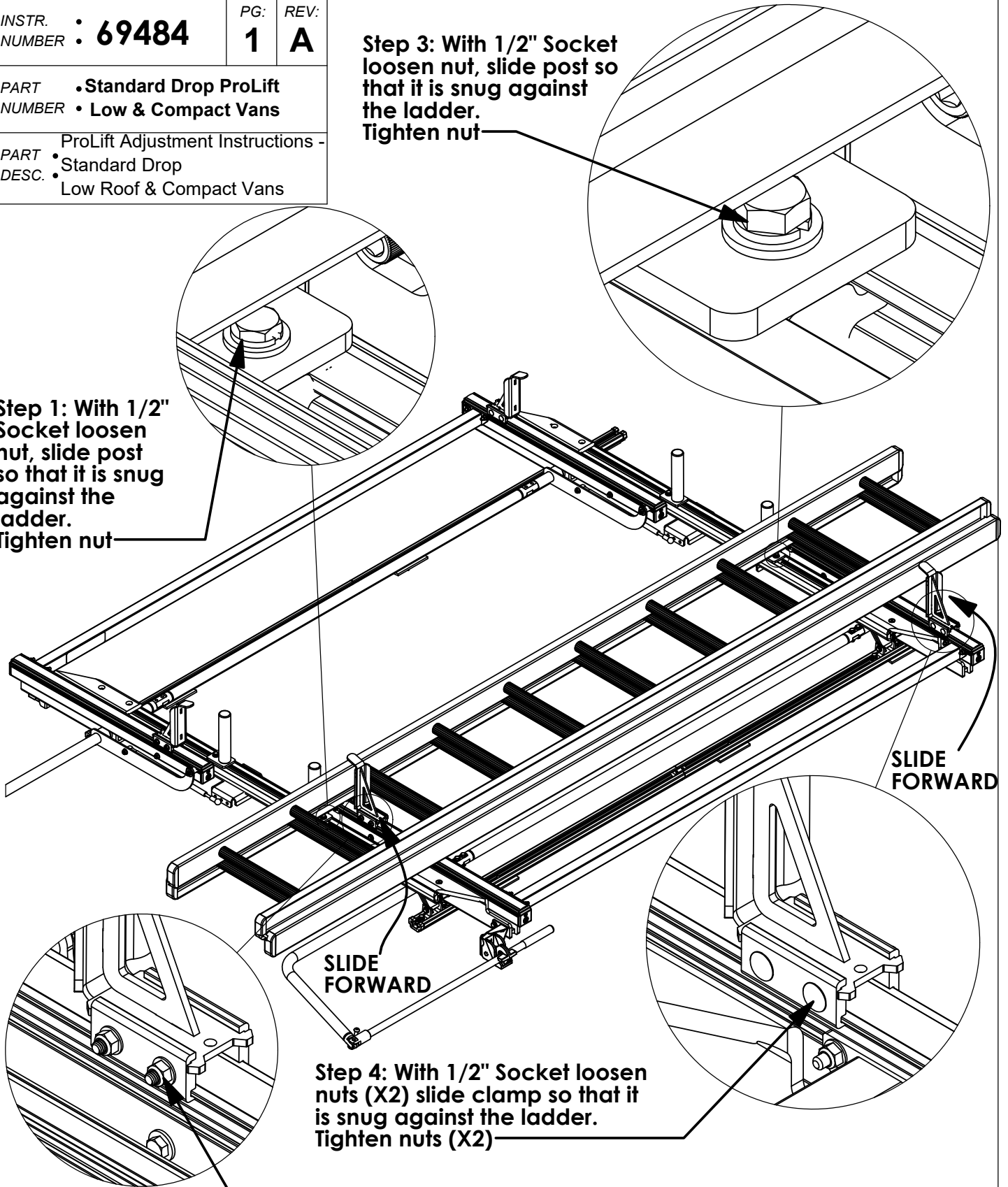
PG: **1** REV: **A**

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



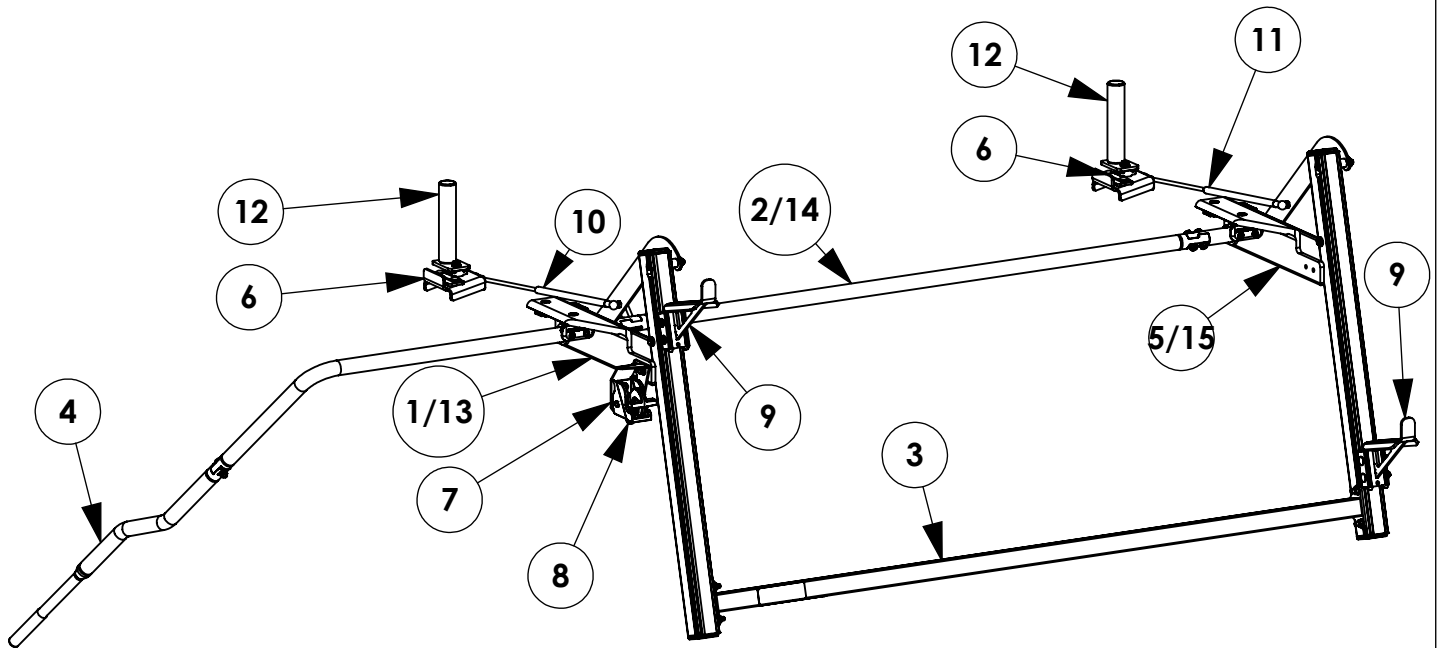
Step 4: With 1/2" Socket loosen nuts (X2) slide clamp so that it is snug against the ladder. Tighten nuts (X2)

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 | PG: | REV: | ITEM NO. | PART NUMBER | DESCRIPTION | PLSDPSC | PLSDDSC |
|--|----------|----------|----------|-------------|------------------------------------|---------|---------|
| : 68581 | 1 | B | 1 | 68418-W | PROLIFT, CP, PS RR CRT, W | 1 | - |
| | | | 2 | 68414-B | PROLIFT, CP, PS DLINE WLD, BLK | 1 | - |
| PART NUMBER • PLSDDSC & PLSDPSC | | | 3 | 68412-W | PROLIFT, CP, OS BAR WLD, BLK | 1 | 1 |
| | | | 4 | 68435-B | PROLIFT, CP, OS BAR WLD, WHITE | 1 | 1 |
| PART • PROLIFT,STD,DS,CPT & DESC. • PROLIFT,STD,PS,CPT | | | 5 | 68031-W | DROP DOWN FRONT ARM ASSM PS, WHITE | 1 | - |
| | | | 6 | 68045-W | PROLIFT DAMPER MOUNT, WHITE | 2 | 2 |
| | | | 7 | 68180-W | DROP DOWN LATCH BRACKET, WHITE | 1 | 1 |
| | | | 8 | 25340-0 | HANDLE LATCH-STD | 1 | 1 |
| | | | 9 | 58239 | COMPRESSION DAMPER | 1 | 1 |
| | | | 10 | 68628-W | PROLIFT,HR,DAMPER BRKT, W | 2 | 2 |
| | | | 11 | 68422-W | PROLIFFT, CP, DS RR CRT, WHITE | - | 1 |
| | | | 12 | 68419-B | PROLIFT, CP, DS DLINE WLD, BLK | - | 1 |
| | | | 13 | 68013-W | DROP DOWN FRONT ARM ASM DS, WHITE | - | 1 |

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



- TOOLS NEEDED:**
- 1/2" SOCKET
 - 1/2" WRENCH
 - 9/16" SOCKET
 - 3/8" SOCKET
 - DRIVE RATCHET
 - 7/32" ALLEN WRENCH
 - 3/16" ALLEN WRENCH
 - 13mm WRENCH
 - TAPE MEASURE
 - RUBBER MALLET
 - IMPACT DRIVER

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

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.

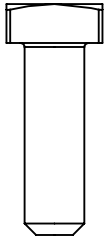
PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

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.

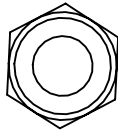
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

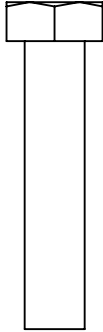
FASTENERS AND HARDWARE USED
BAG REFERENCE: BAG68181 & BAG68182



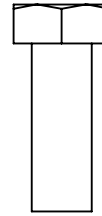
FAS0035
5/16-18 X 1.0
SQ HD, BOLT
QTY: 4



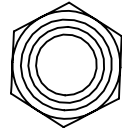
FAS0110
3/8-19
NYL HEX NUT
QTY: 1



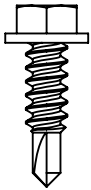
FAS0242
5/16-18 X 1.5
HH SCREW
QTY: 4



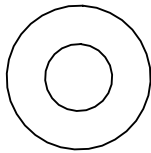
FAS0283
5/16-18 X .875
HH SCREW
QTY: 2



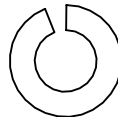
FAS0399
3/8-16
NYL HEX NUT
QTY: 1



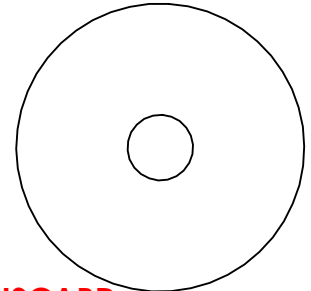
FAS0473
#12 X .75
HH TEK SCREW
QTY: 4



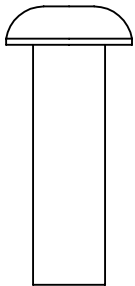
FAS0552
5/16
FLAT WASHER
QTY: 8



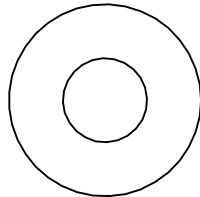
FAS0588
5/16
SPLIT WASHER
QTY: 4



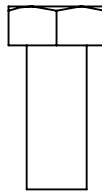
DISCARD FAS0603
5/16 X 1.5 OD
FENDER WASHER
QTY: 2



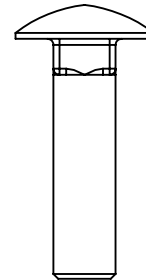
FAS0701
3/8-16 X 1.25
BHC SCREW
QTY: 1



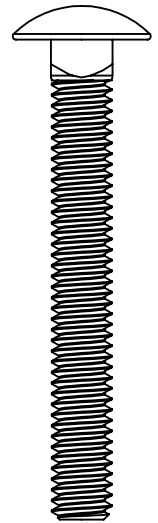
FAS0720
3/8
FLAT WASHER
QTY: 1



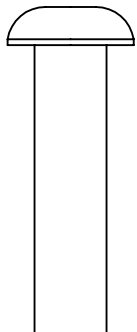
FAS0799
5/16-18 X .75
HH SCREW
QTY: 2



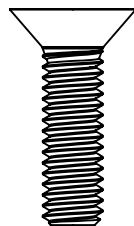
FAS0812
5/16-18 X 1.25
CRG BOLT
QTY: 4



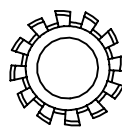
FAS0838
5/16-18 X 2.5
CRG BOLT
QTY: 4



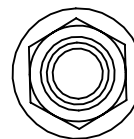
FAS0819
3/8-16 X 1.5
BHC SCREW
QTY: 1



FAS0856
5/16-18 X 1.125
FHH SCREW
QTY: 4



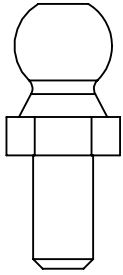
FAS0857
5/16 CS
LCK EXT WASHER
QTY: 4



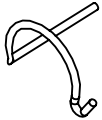
FAS0861
5/16-18
NYL HEX NUT
QTY: 18

INTENTIONALLY LEFT BLANK

FASTENERS AND HARDWARE USED



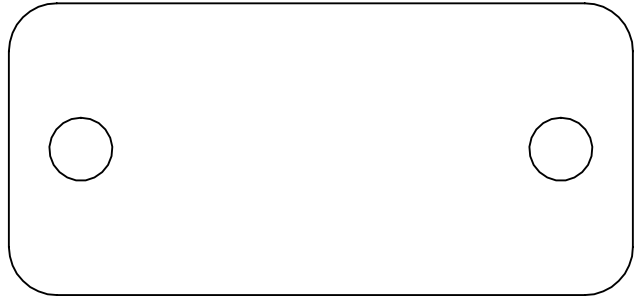
34927-0
5/16-18 X 13mm
BALL STUD
QTY: 2



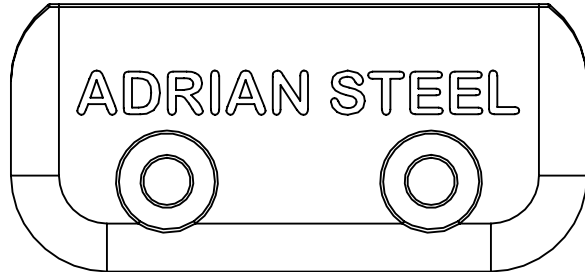
34928-0
13mm RETAINER
SPRING CLIP
QTY: 4



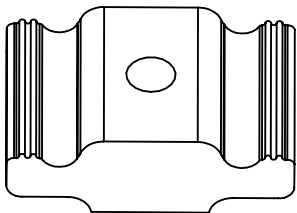
64830
BOLT PLATE
REAR ROLLER
QTY: 2



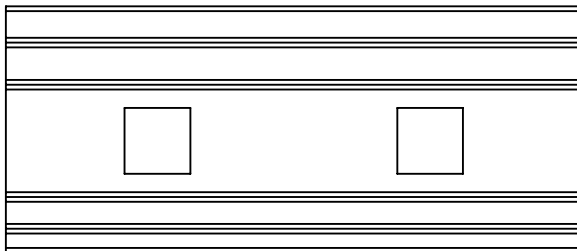
64831
SPACER
REAR ROLLER
QTY: 2



65961
DROP DOWN
END CAP
QTY: 2



63490
1" RAIL SLIDE
QTY: 6



65963-W
STOP CLAMP
WHITE
QTY: 4

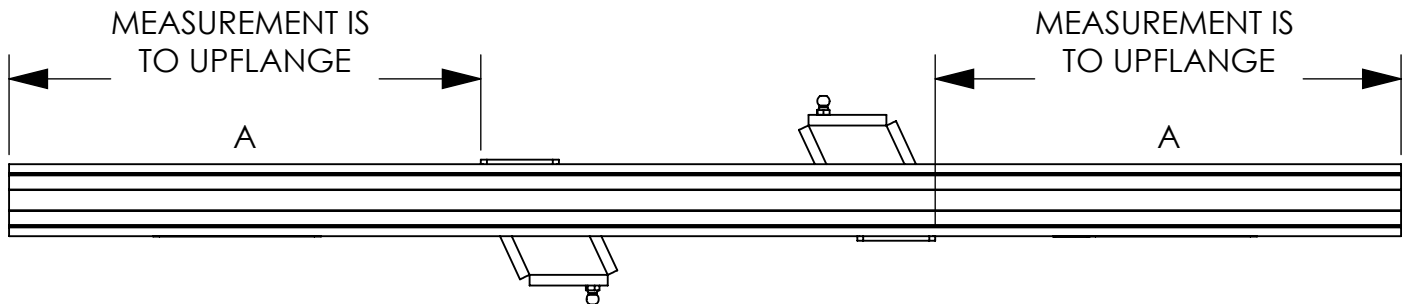
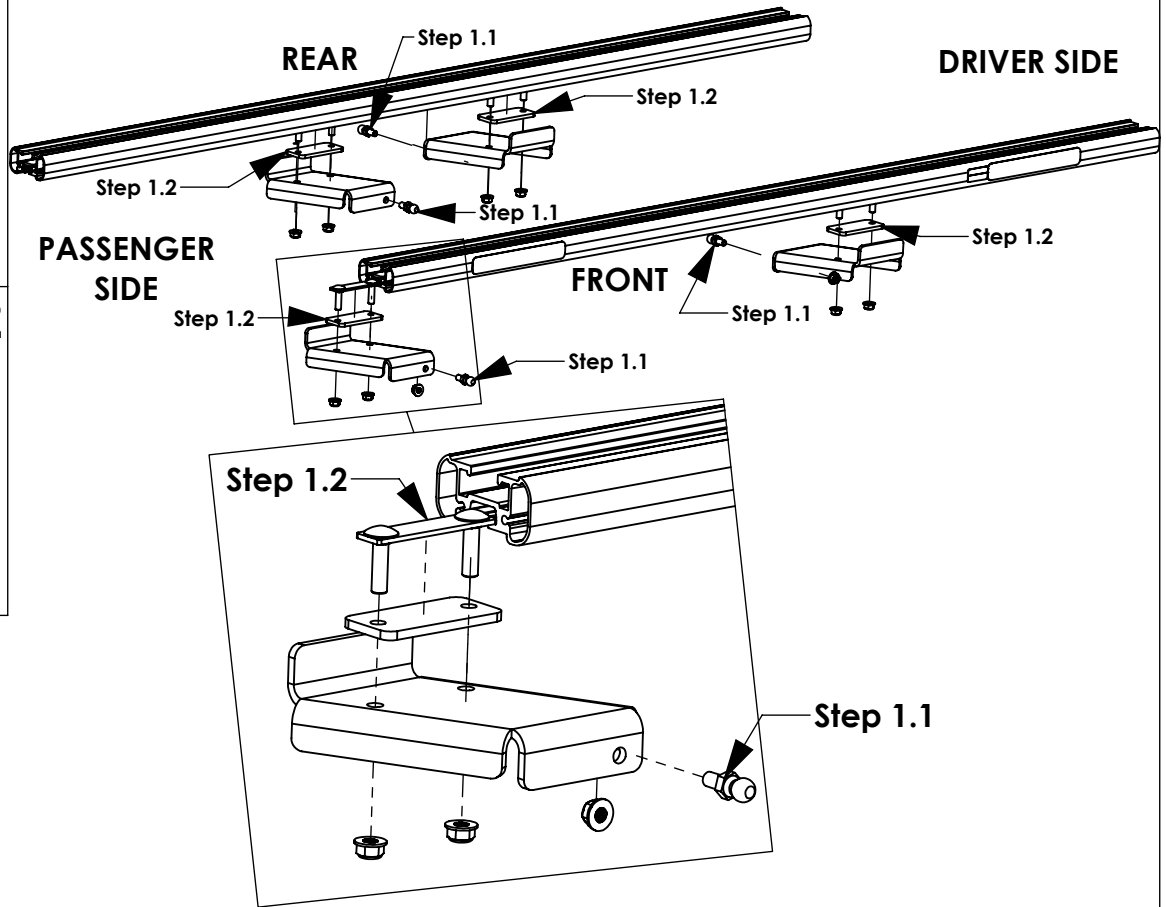
INTENTIONALLY LEFT BLANK

STEP 1 - MOUNT DAMPER BRACKETS

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

A.2



REFER TO BELOW TABLE FOR DISTANCE FROM END OF CROSSBOW

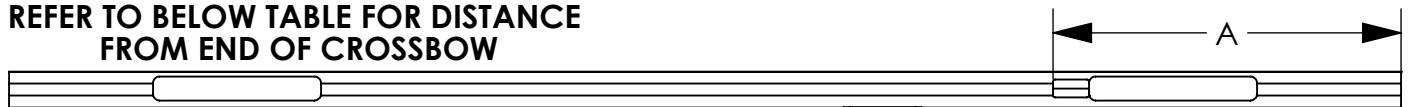


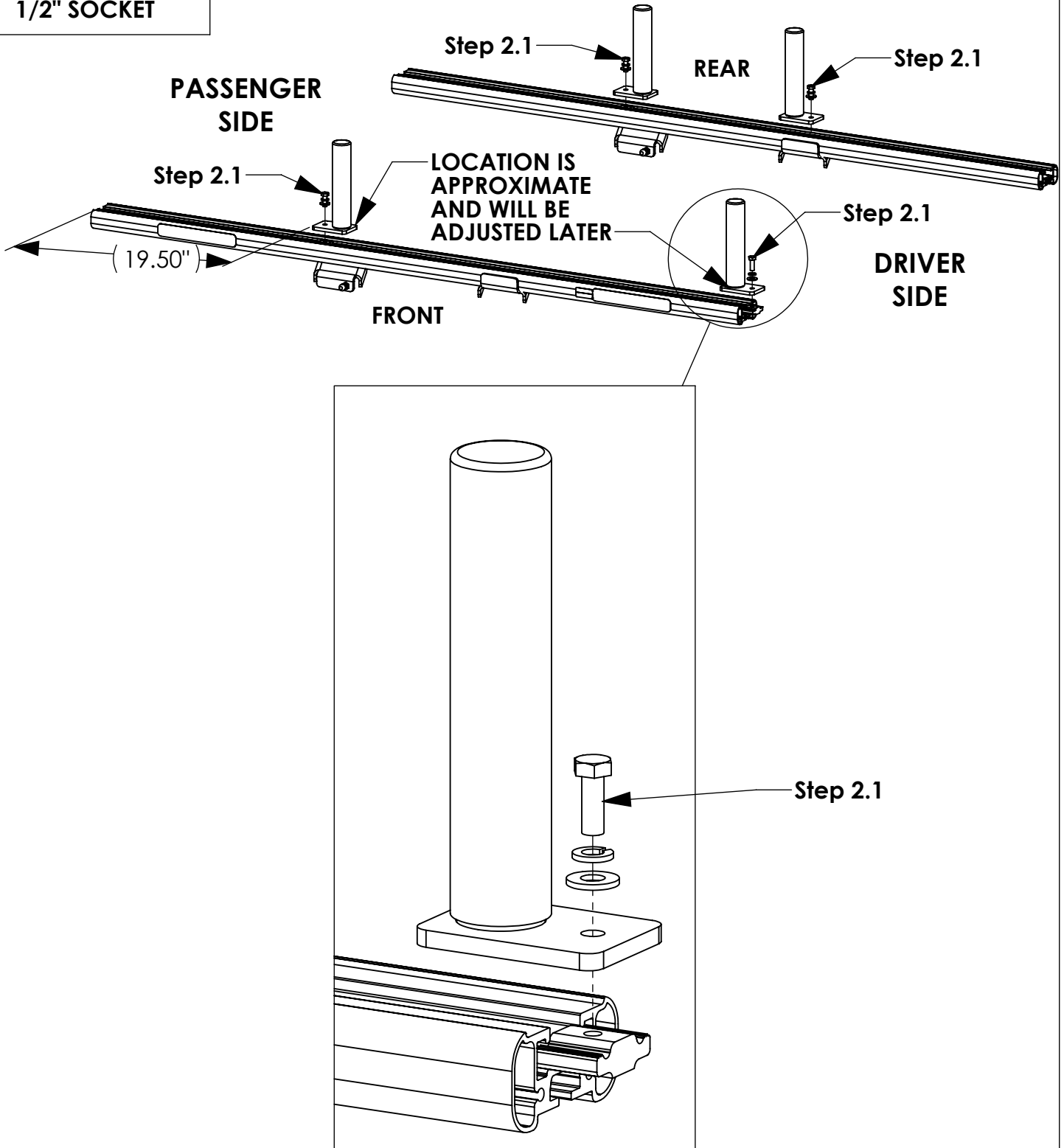
TABLE: 68581-1

| VEHICLE | TRANSIT CONNECT LONG WB | TRANSIT CONNECT SHORT WB | PROMASTER CITY | MERCEDES METRIS LONG WB | MERCEDES METRIS SHORT WB |
|-----------------|-------------------------|--------------------------|----------------|-------------------------|--------------------------|
| MEASUREMENT "A" | 19 5/8" | 19 5/8" | 19 5/8" | 19 5/8" | 19 5/8" |
| CROSSBOW TYPE | 48" CROSSBOW | 48" CROSSBOW | 58" CROSSBOW | 58" CROSSBOW | 58" CROSSBOW |

STEP 2 - MOUNT INNER STOPS TO CROSSBOW

Step 2.1
FAS0283,
FAS0552,
FAS0861
(2 PLACES PER
SIDE)
1/2" SOCKET

B.1

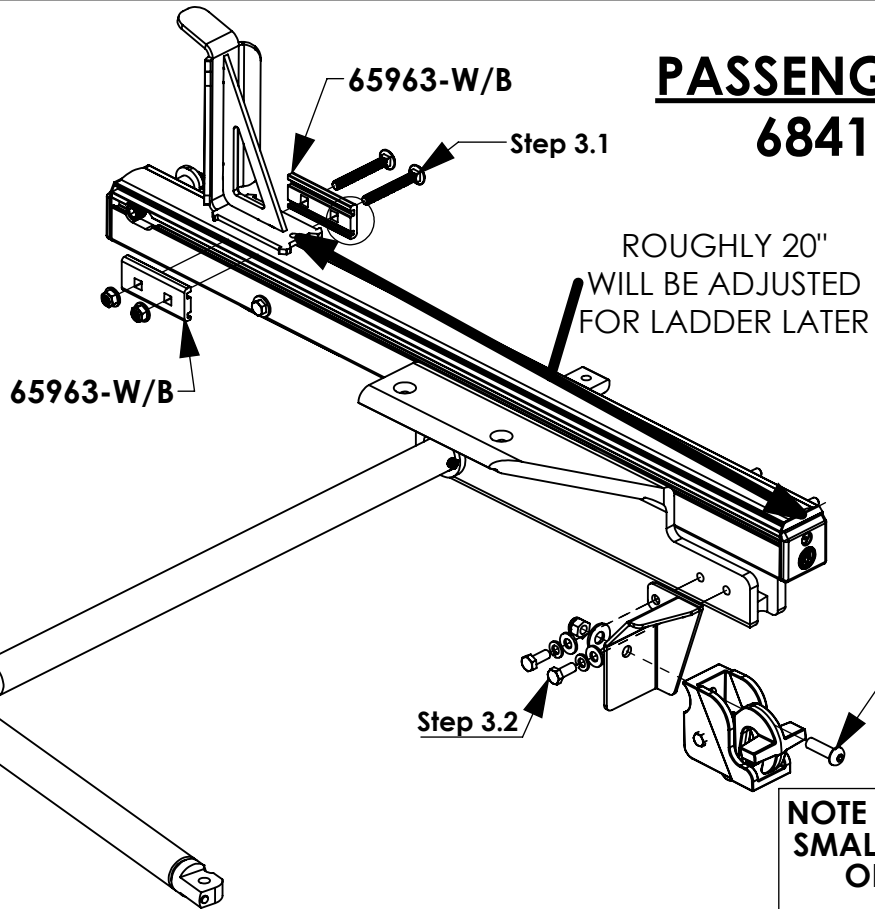


STEP 3 - INSTALL CLAMPS AND HARDWARE ON DROP DOWN CARTRIDGES

REAR SUB-ASSEMBLY

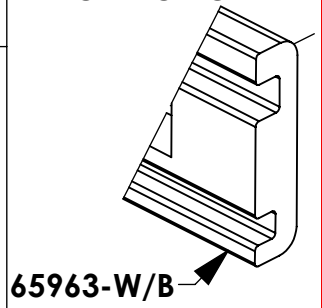
PASSENGER SIDE
68418-W

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



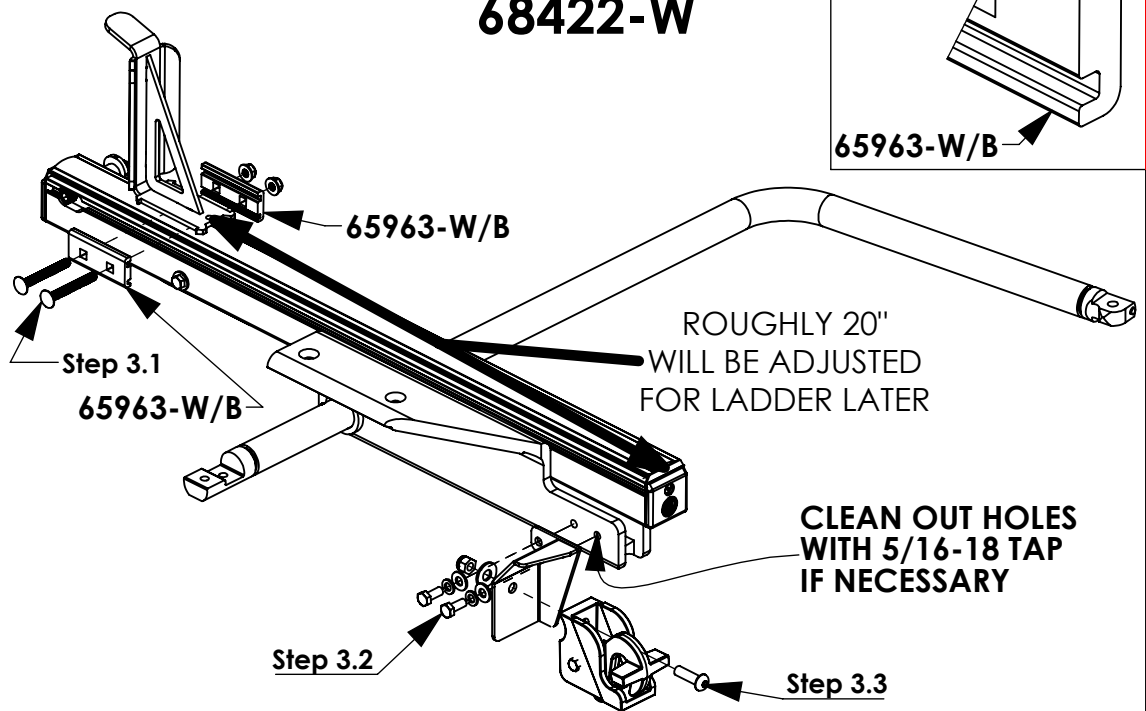
STEP 3.2
FULLY TIGHTEN
FAS0799,
FAS0552, &
FAS0588
(02 PLACES)
1/2" SOCKET

NOTE ORIENTATION:
SMALLER CHANNEL
ON BOTTOM



DRIVER SIDE
68422-W

STEP 3.3
FULLY TIGHTEN
FAS0701, FAS0720,
& FAS0110
(01 PLACE)
7/32" ALLEN
9/16" SOCKET

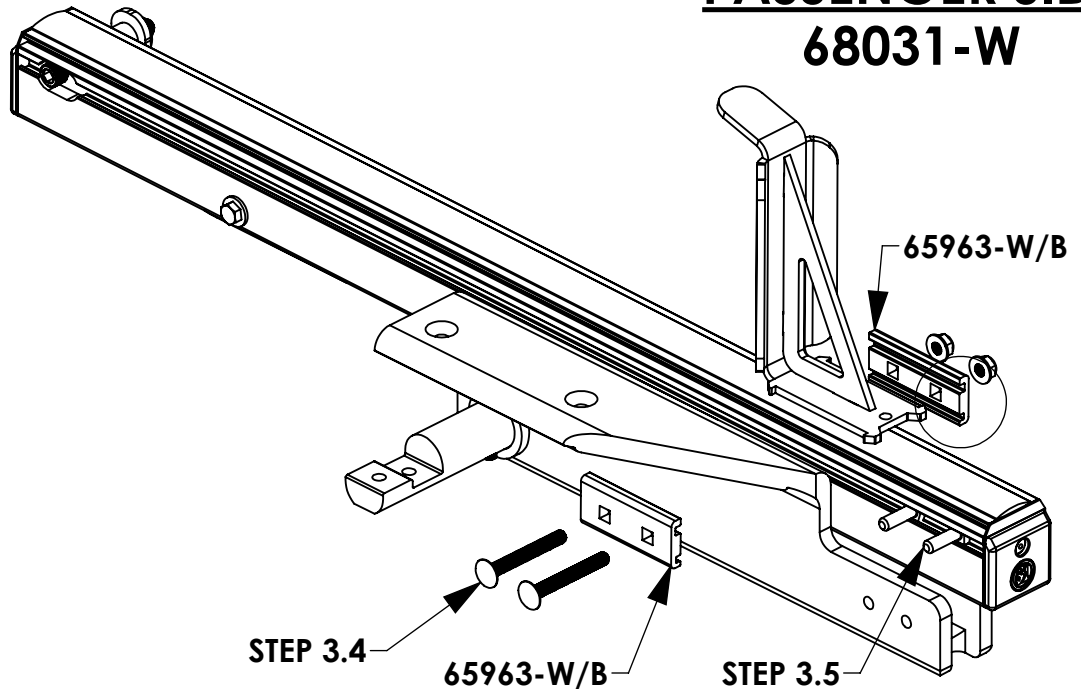


FRONT SUB-ASSEMBLY

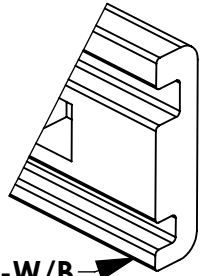
STEP 3.4
FULLY TIGHTEN
FAS0838 &
FAS0861
(02 PLACES)
1/2" SOCKET

STEP 3.5
FAS0035
SLIDE INTO SLOT
(02 PLACES)

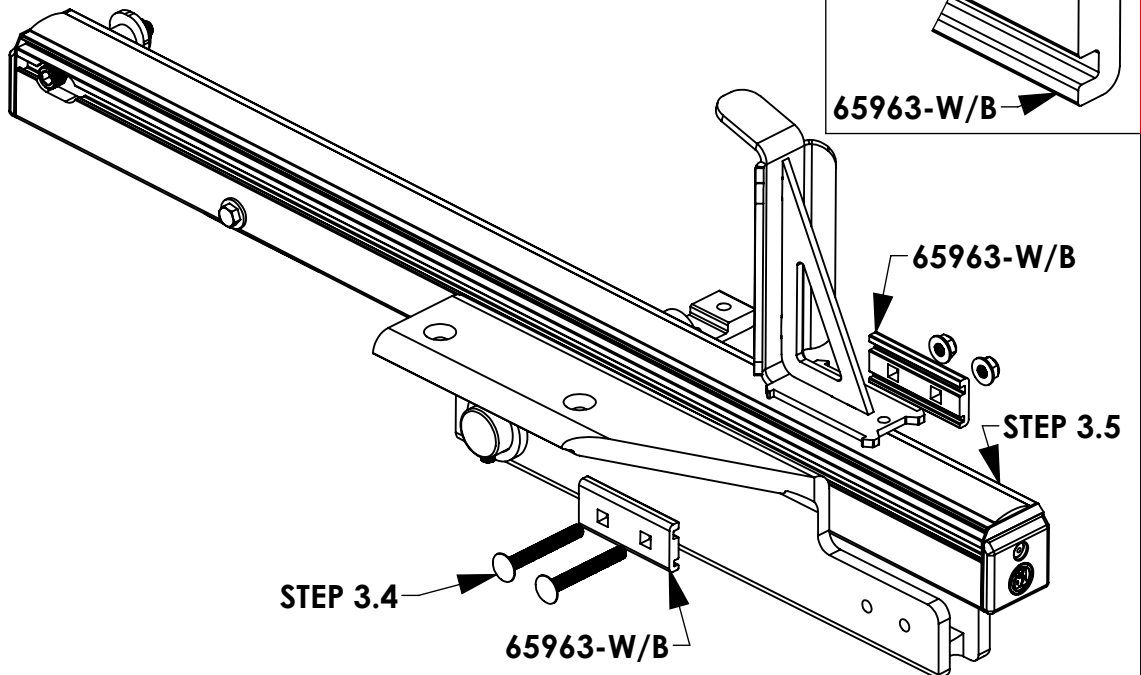
PASSENGER SIDE
68031-W



NOTE ORIENTATION:
SMALLER CHANNEL
ON BOTTOM



DRIVER SIDE
68013-W





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

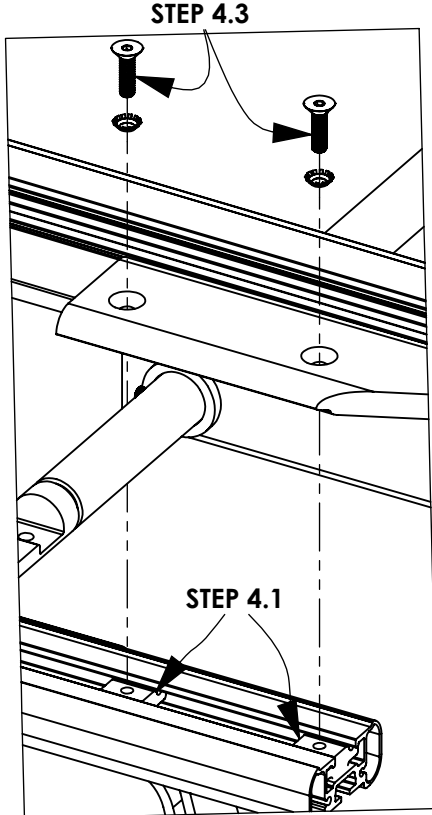
STEP 4 - INSTALL CARTRIDGES ON CROSSBOWS

STEP 4.1
SLIDE 63490 INTO
END OF
CROSSBOWS

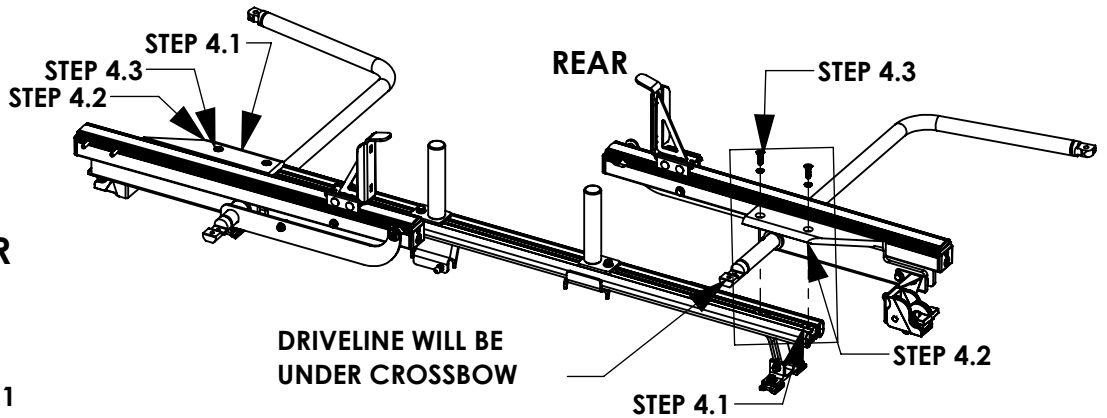
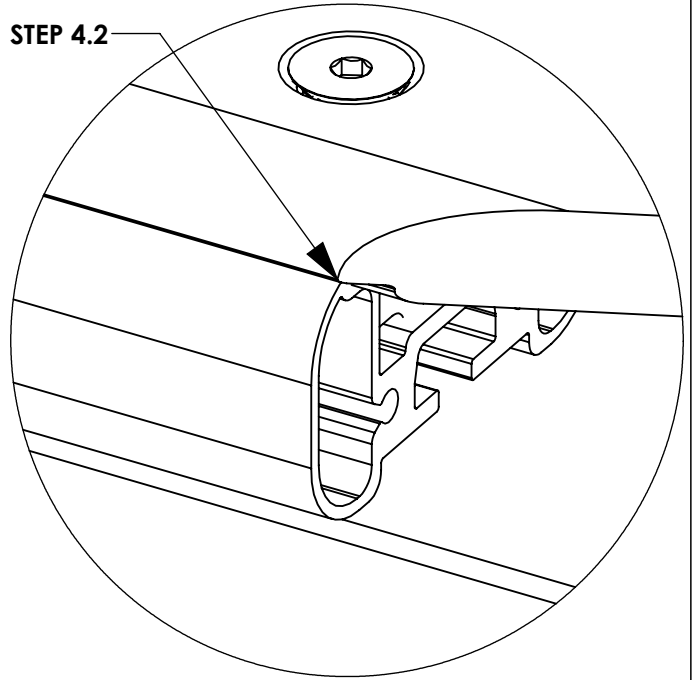
C.1

STEP 4.2
LINE UP CORNERS
WITH END OF
CROSSBOW

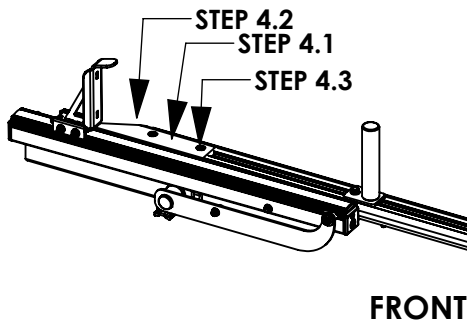
STEP 4.3
FULLY TIGHTEN
(02) FAS0856,
(02) FAS0857, &
(02) 63490
(02 PLACES PER
SIDE)
3/16" ALLEN



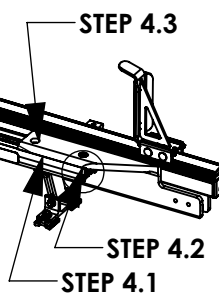
STEP 4.2



**PASSENGER
SIDE**



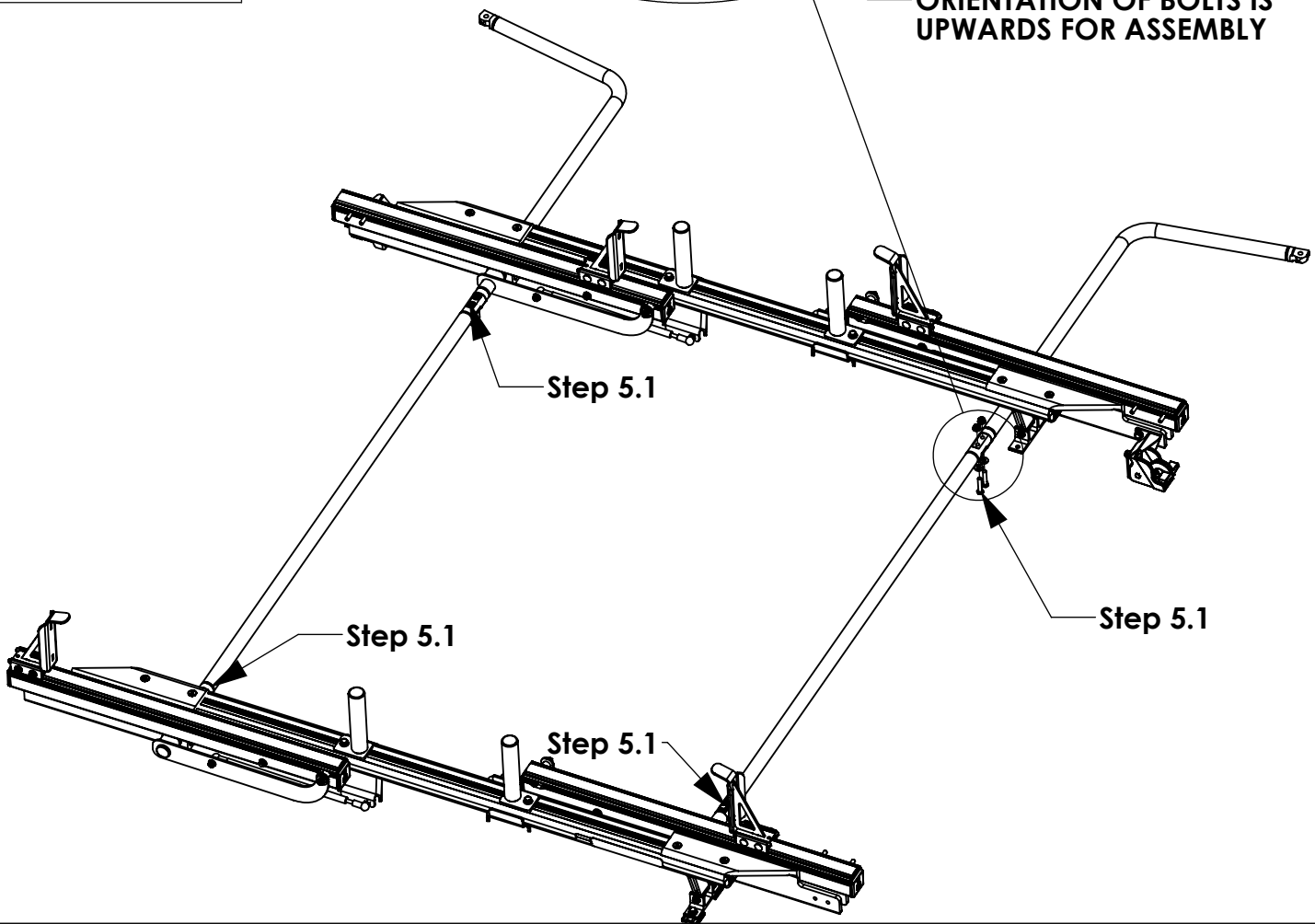
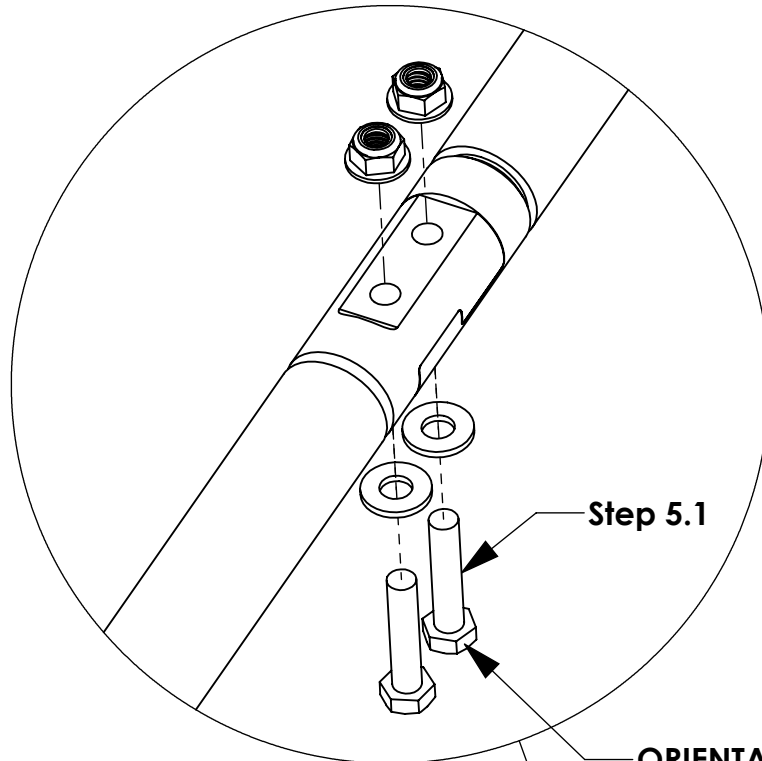
**DRIVER
SIDE**



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

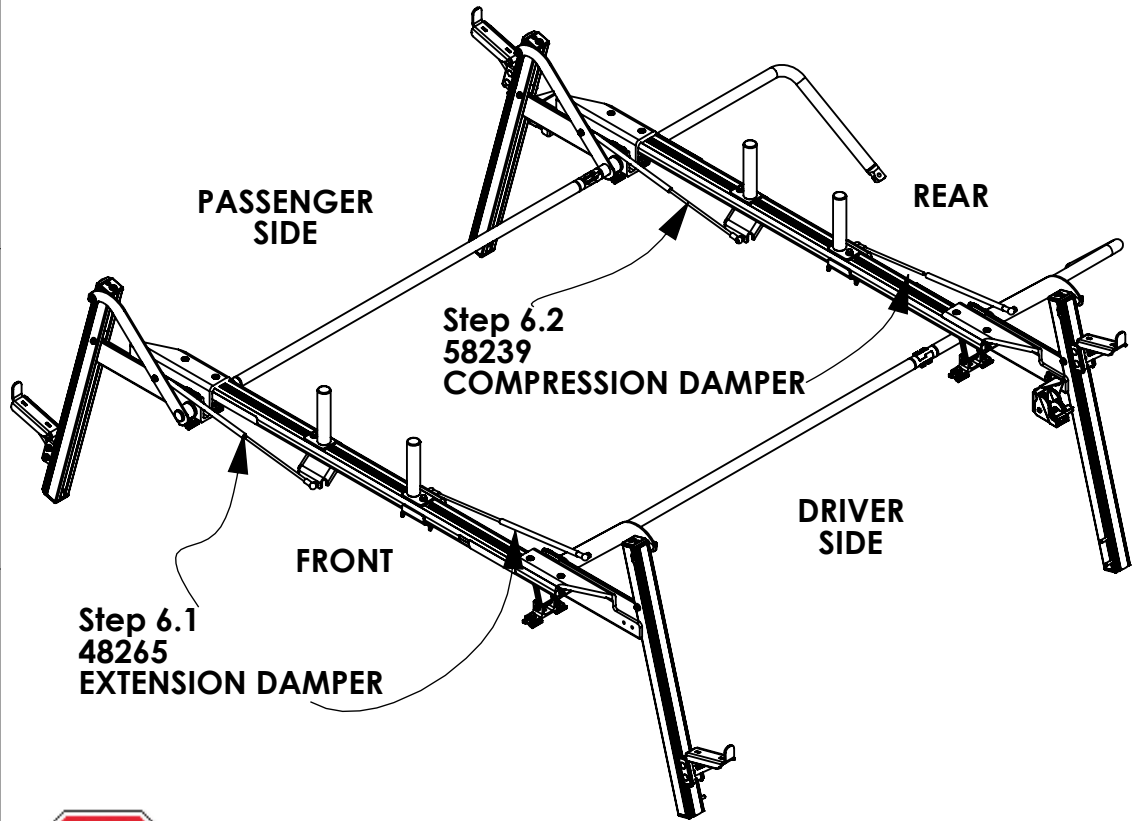


STEP 6 - DEPLOY RACK & INSTALL DAMPERS AND DROP DOWN HANDLE

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

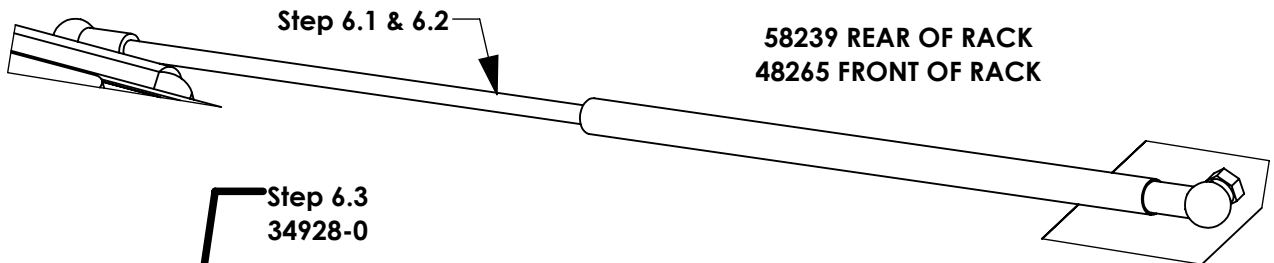
Step 6.2
 ATTACH
 COMPRESSION
 DAMPERS (58239) TO
 BALL STUDS.
ORIENTATION OF
 DAMPER MATTERS!!!
 (01 PLACE PER SIDE)

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

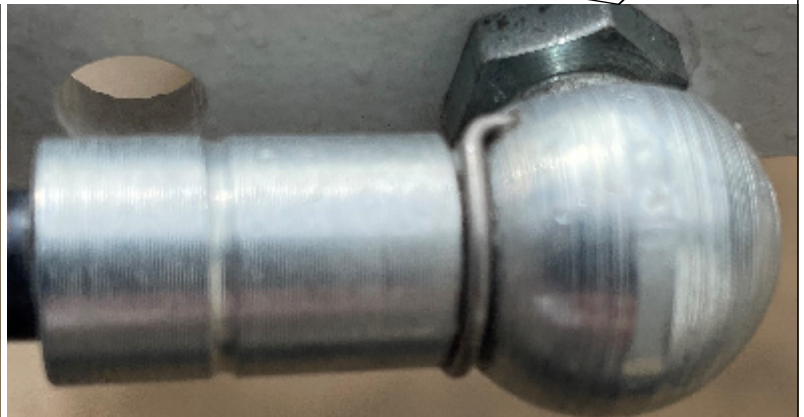
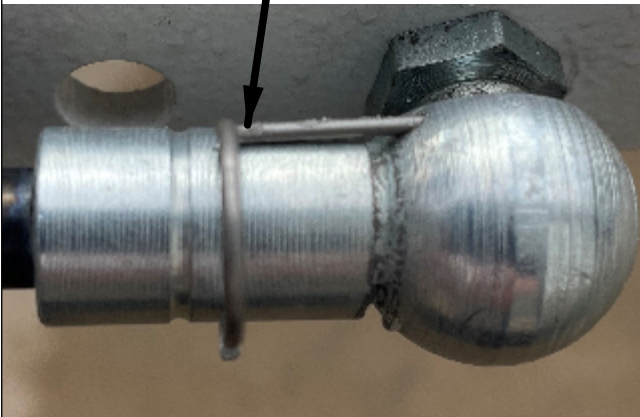


ORIENTATION OF DAMPER MATTERS!!!!

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

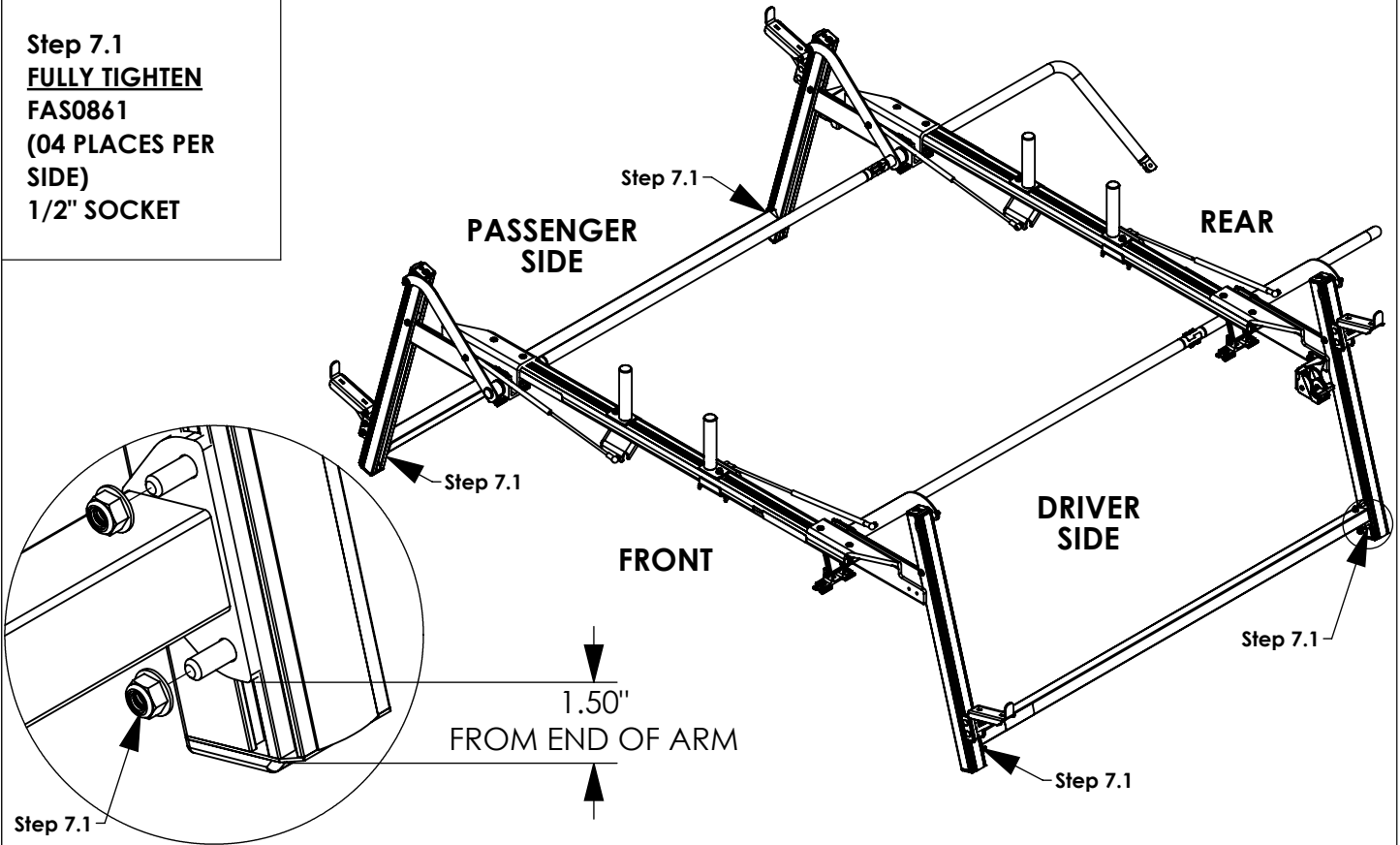


Step 6.3
 34928-0



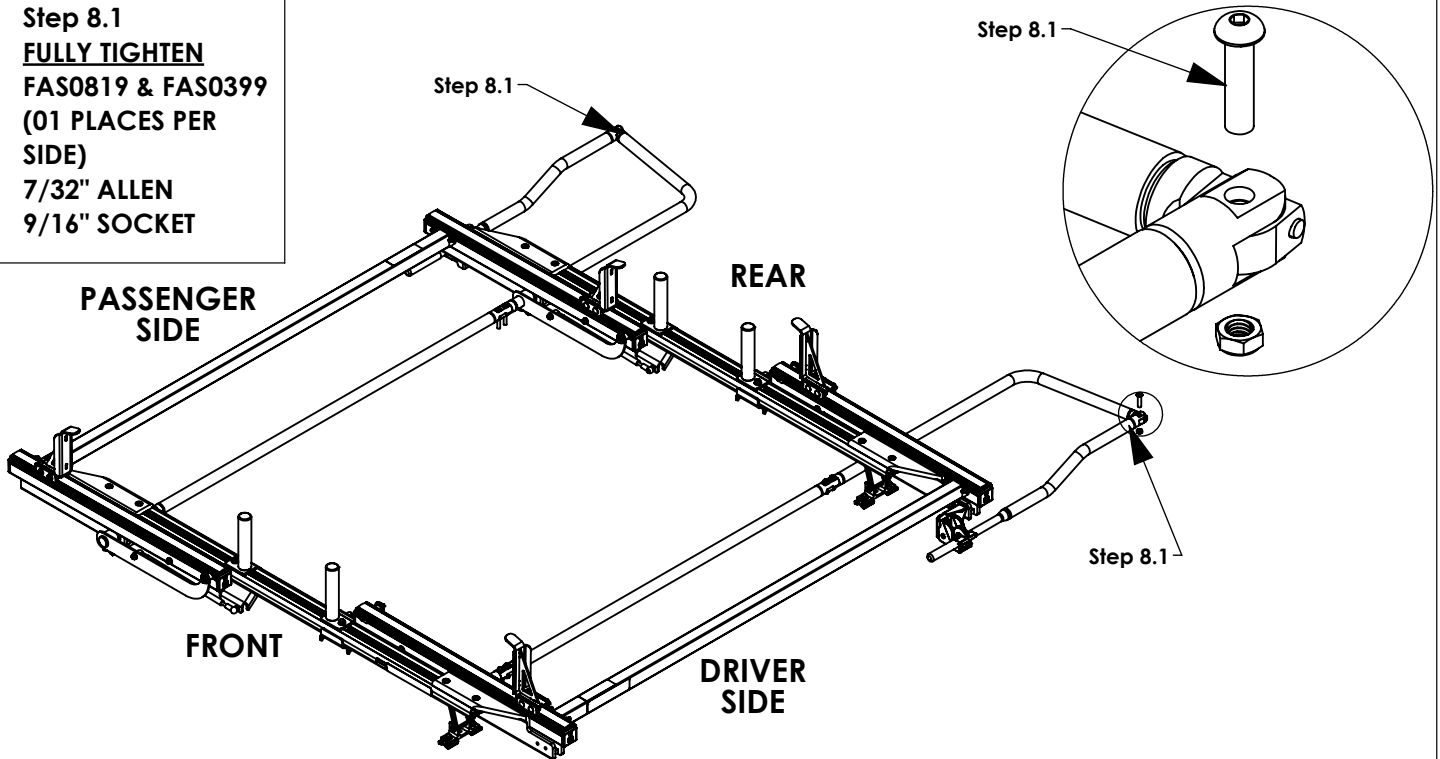
STEP 7 - WHILE RACK DEPLOYED INSTALL O.S. BAR

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



STEP 8 - INSTALL DROP DOWN HANDLE

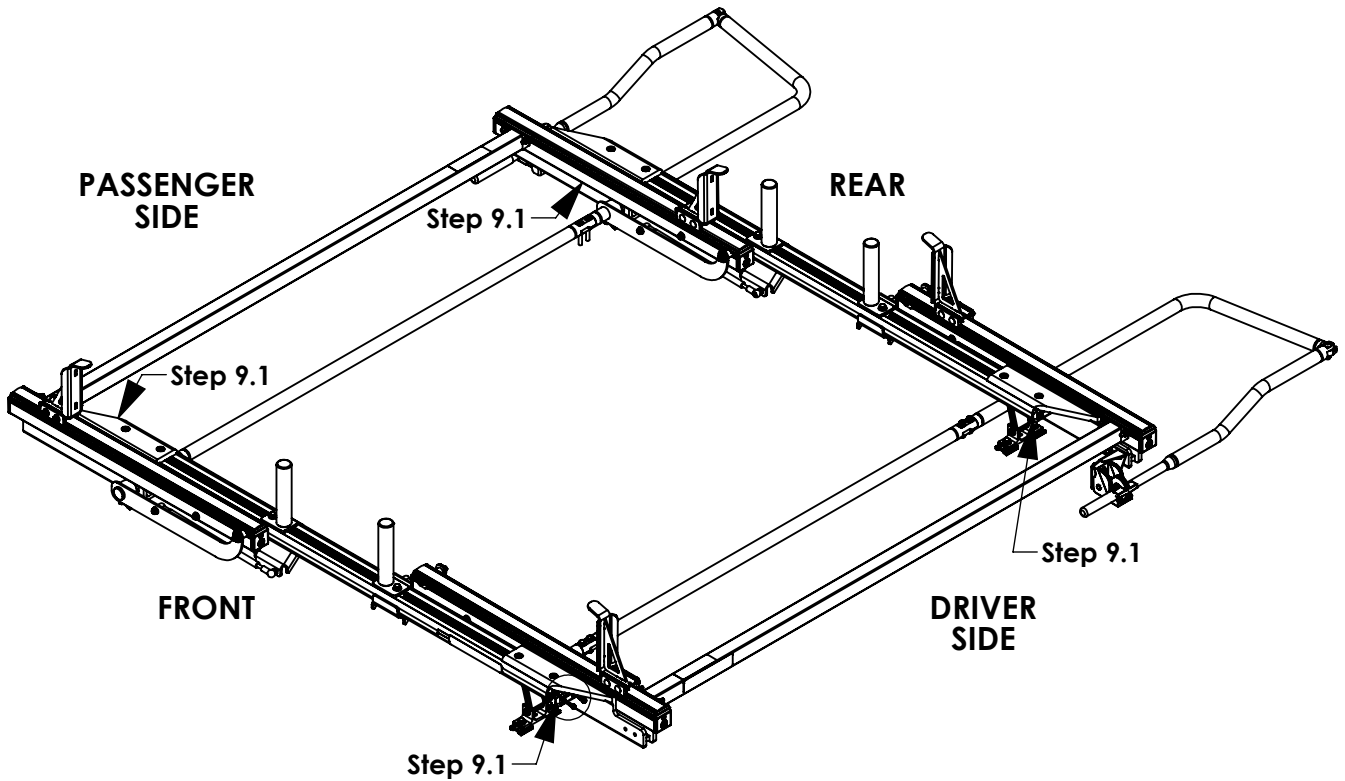
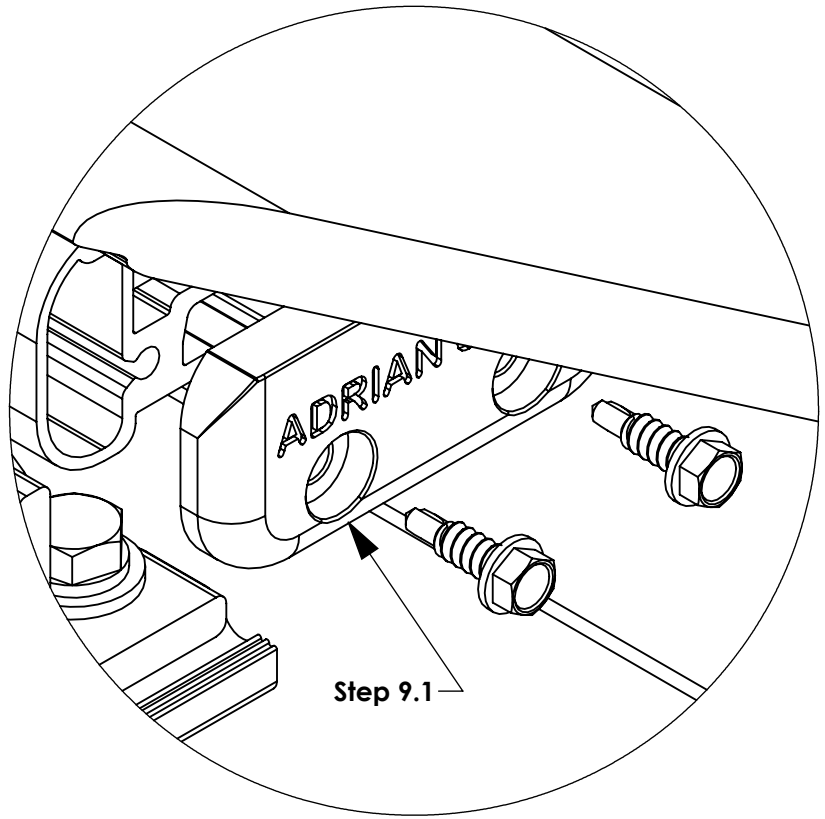
Step 8.1
FULLY TIGHTEN
FAS0819 & FAS0399
(01 PLACES PER
SIDE)
7/32" ALLEN
9/16" SOCKET



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

STEP 9 - INSTALL CROSSBOW END CAPS

Step 9.1
FULLY TIGHTEN
(02) AS0473, 65961
(02 PLACES PER
SIDE)
3/8" SOCKET



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