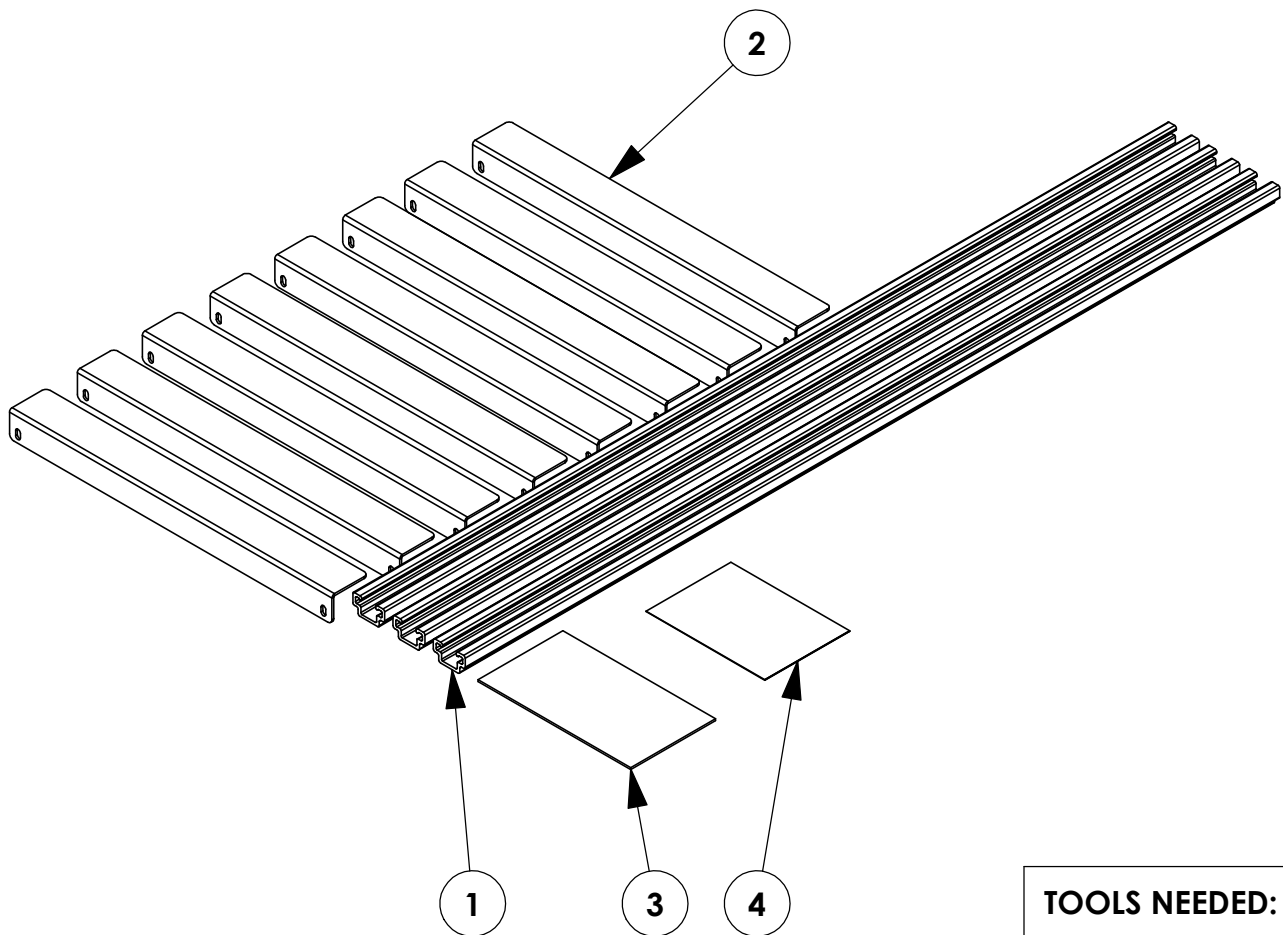


INSTR. NUMBER : 81000	PG: 1	REV: A	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER : 3AD			1	81932	ROOF RAIL SHORT CONDUIT CARRIER	3
PART DESC. : LOW PROFILE UTILITY RACK			2	81934-B	TOPPER ROOF SUPPORT BRACKET, BLACK	8
NOTE: THIS INSTRUCTION IS VALID FOR THE FOLLOWING KITS: - 3AD			3	BAG81933	BAG FOR SHORT CONDUIT CARRIER	1
			4	BAG64350	BAG FOR ALUM CONDUIT KIT	1



TOOLS NEEDED:

- DRIVE RATCHET
- IMPACT DRIVER
- 1/4" ALLEN
- 1/2" SOCKET
- 1/2" WRENCH

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).

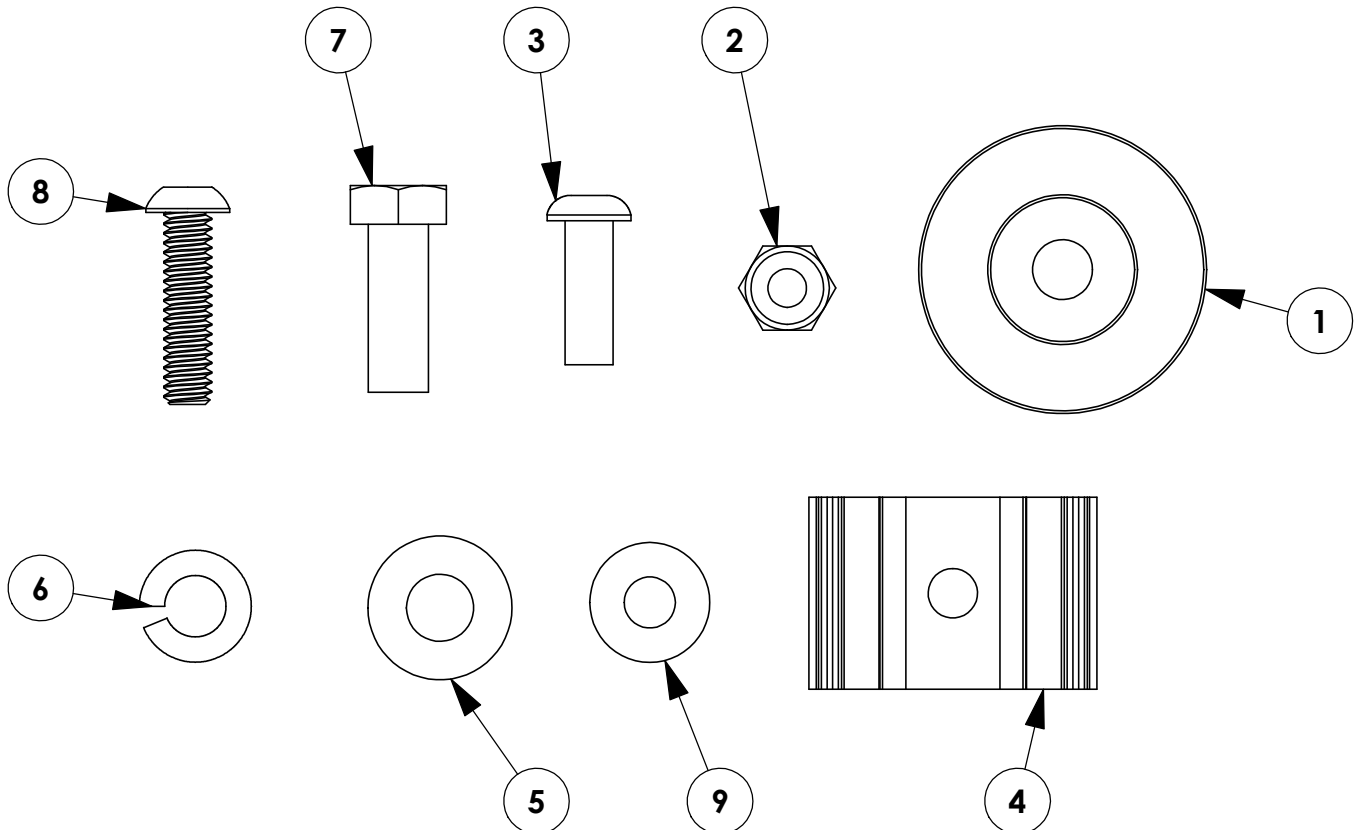
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

PAGE:

3**FASTENERS USED****BAG REFERENCE: BAG81933**

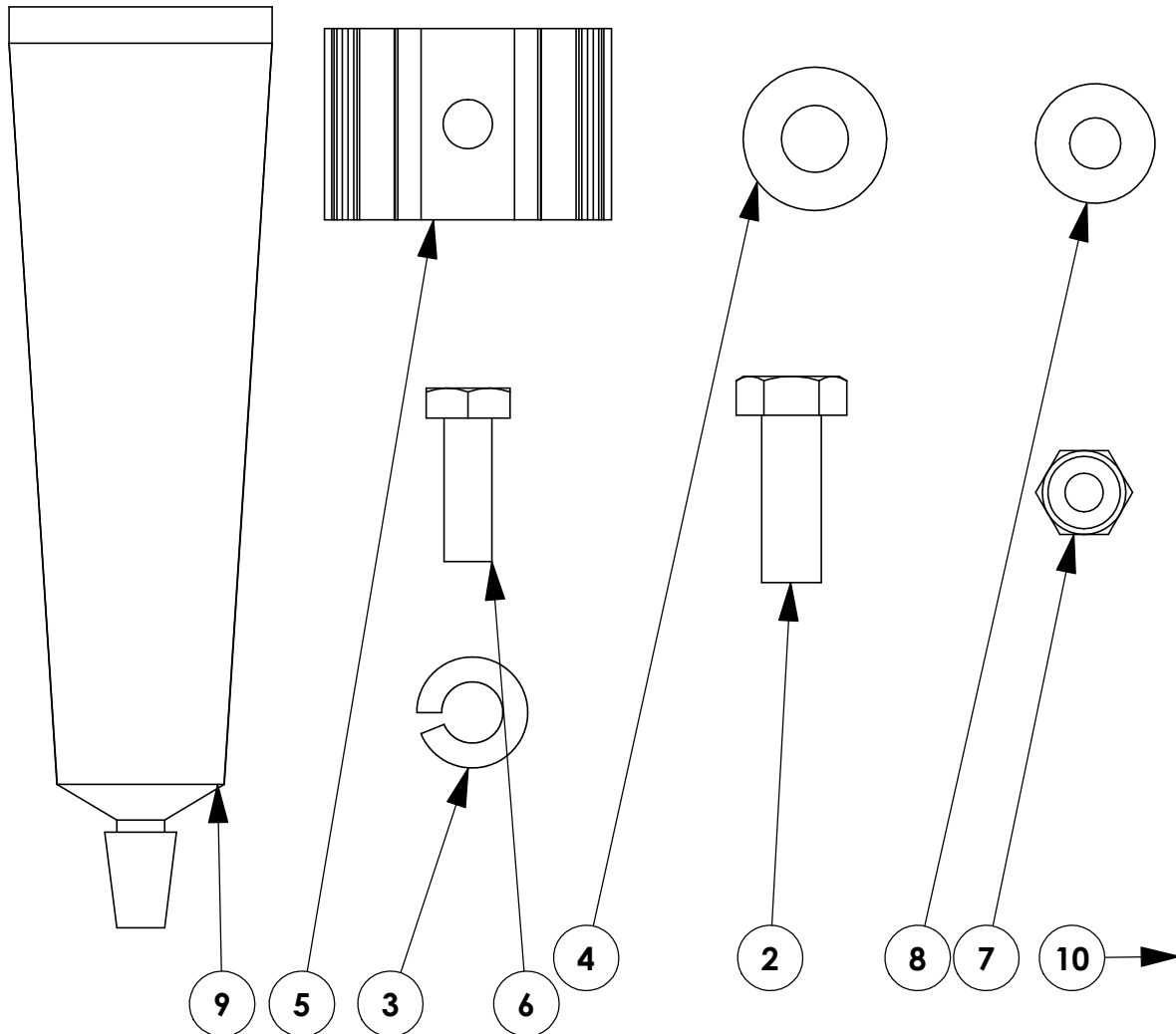
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	75198	Unthreaded Bumper	6
2	FAS0125	Nut, Nylon Insert Lock, 1/4-20 SST	22
3	FAS0238	Screw, Button Hd Hex Soc, 1/4-20x0.75 BK	16
4	63490	RAIL SLIDE, 1"	8
5	FAS0552	Washer, Flat, 5/16, SST	8
6	FAS0588	Washer, Lock, Split, 5/16, SS	8
7	FAS0283	Screw, Hex Hd, 5/16-18 x.875 SST	8
8	FAS0940	SCREW, BHTX 1/4-20X1 SS NP	6
9	FAS0234	Washer, Flat, 1/4, SST	6
10	BAG0509-A	5"X9" 4MIL AUTOBAG	1



FASTENERS USED**BAG REFERENCE:**

BOM Table

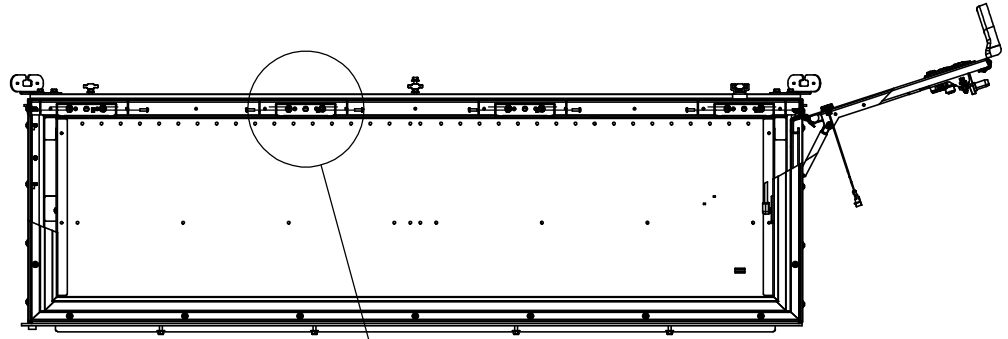
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0283	Screw, Hex Hd, 5/16-18 x.875 SST	5
3	FAS0588	Washer, Lock, Split, 5/16, SS	5
4	FAS0552	Washer, Flat, 5/16, SST	5
5	63490	RAIL SLIDE, 1"	4
6	FAS0548	SCREW,HH 1/4-20X.75 SS	11
7	FAS0125	Nut, Nylon Insert Lock, 1/4-20 SST	11
8	FAS0234	Washer, Flat, 1/4, SST	21
9	26618-0	Silicone Sealant	2
10	16101-0	.125x.75 Foam Tape	2



INTENTIONALLY LEFT BLANK

**STEP 1 - ROOF SUPPORT BRACKET
INSTALL**

Step 1.1
LOOSELY
ASSEMBLE
89134 WITH
FAS0238 AND
FAS0125

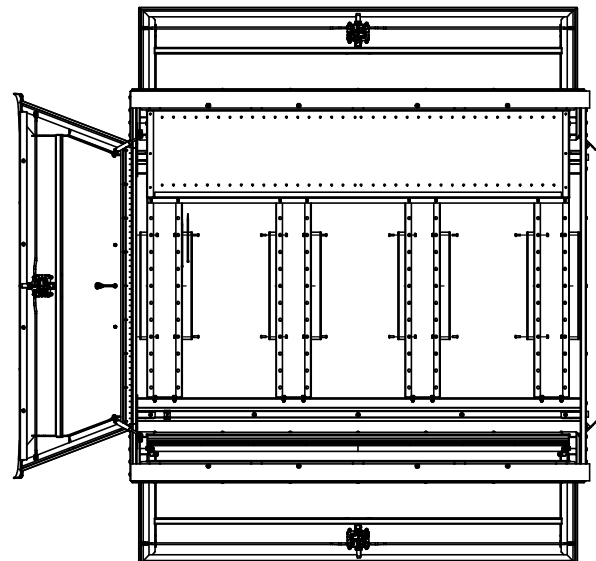
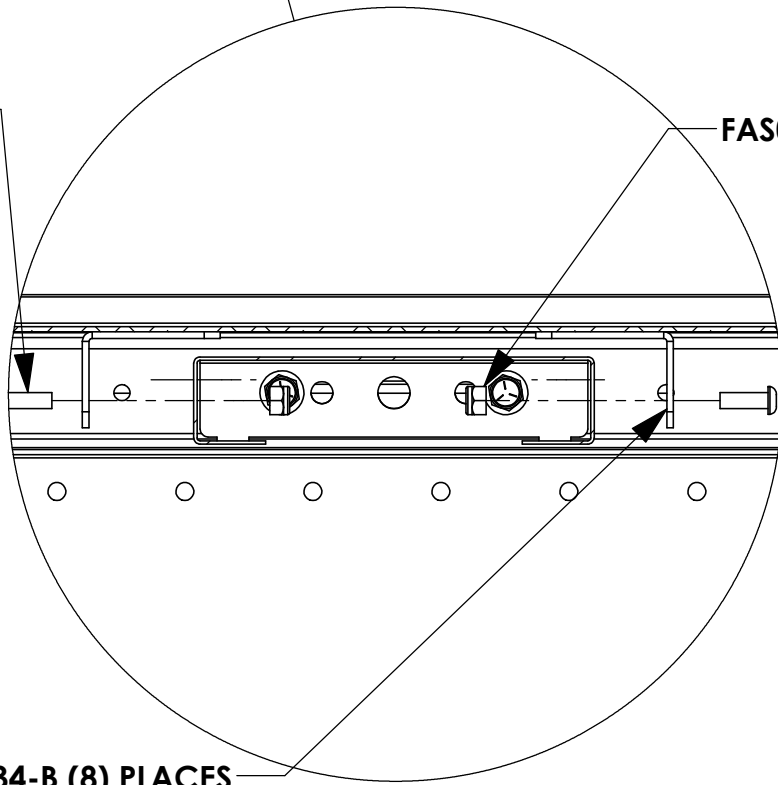


Step 1.2
FULLY TIGHTEN
AFTER SLIDING
81934-B TO
CONTACT THE
ROOF PANEL
(8 PLACES)
1/4" WRENCH
1/4" ALLEN

FAS0238

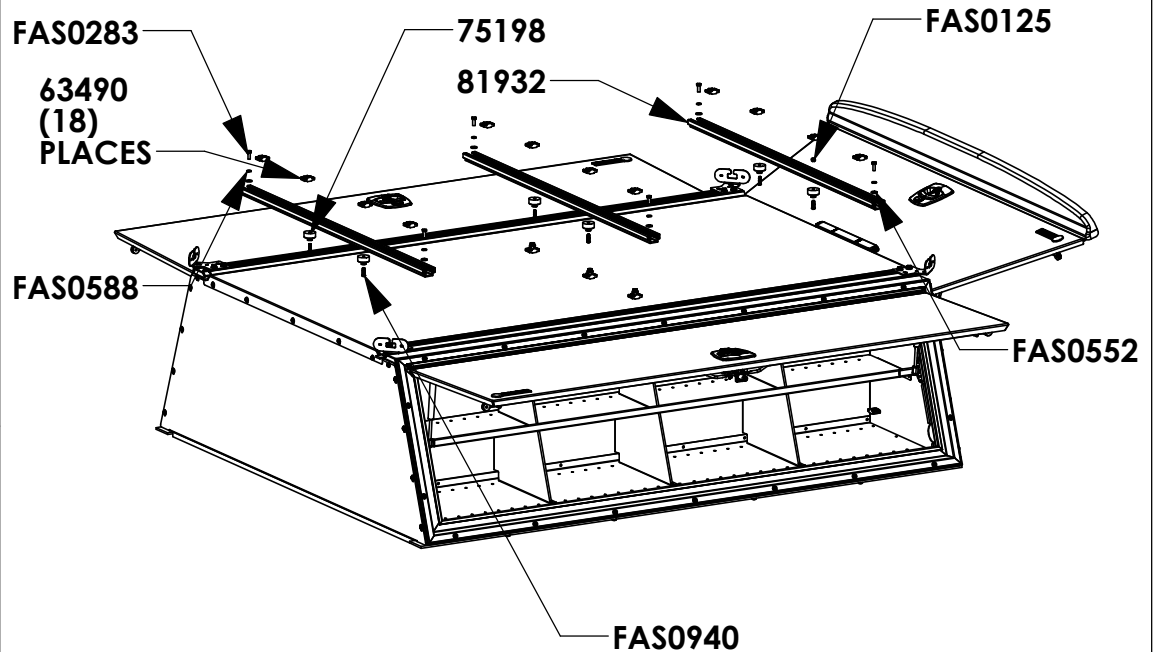
FAS0125

81934-B (8) PLACES



ATTACHED RAILS AS SHOWN

Step 2.1
FULLY TIGHTEN
SLIDE 63490 TO
DESIRED
LOCATION TO
AVOID FAS0940
AND TIGHTEN
FAS0940 AND
FAS0125
(6 PLACES)
1/4" WRENCH
1/4" ALLEN



Step 2.2
FULLY TIGHTEN
FAS0283 WITH
FAS0552 AND
FAS0588
(6 PLACES)
1/2 SOCKET

STEP 3 - ADD DESIRED ACCESORY
(80-8 X 2 SHOWN)

Step 3.1
FULLY TIGHTEN
FAS0283 WITH
FAS0552 AND
FAS0588
(6 PLACES)
1/2 SOCKET

