RAIL KIT, SP 144, PS

PRODUCT WEIGHT

4.20 LBS

VEHICLE

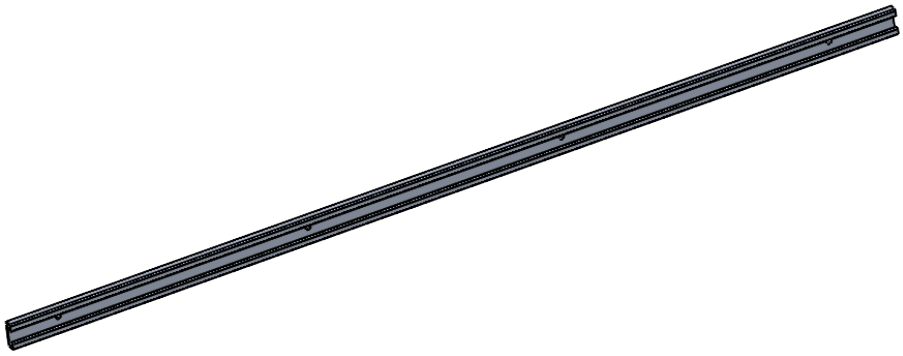
MERCEDES Sprinter 144" wheel base

CAPACITY

N/A

COLOR

GRAY



CATALOG NUMBER

ARKSP144PS

PRODUCT FEATURES

This product is designed for installation in the Mercedes Sprinter 144" wheel base. It is optimized for use with the next generation shelving. The rail kits includes brackets that span the window cavities to support the AD mounting rail.

SEE PAGE 2 FOR APPLICATION NOTES, ACCESSORIES AND OTHER PRODUCTS THAT WORK WITH THIS UNIT.

RAIL KIT, SP 144, PS

CATALOG NUMBER **ARKSP144PS**

PRODUCT APPLICATION

This product is design for installation in the Mercedes Sprinter 144" wheel base. Optimized for use with the next generation shelving

All next generation shelving kits for sprinter vans. See online fitment guide for full list of shelving units.

ACCESSORIES THAT WILL WORK WITH THIS PRODUCT

CATALOG NUMBER	*DESCRIPTION (smart)*
TDK	TIE DOWN SYSTEMS (1)

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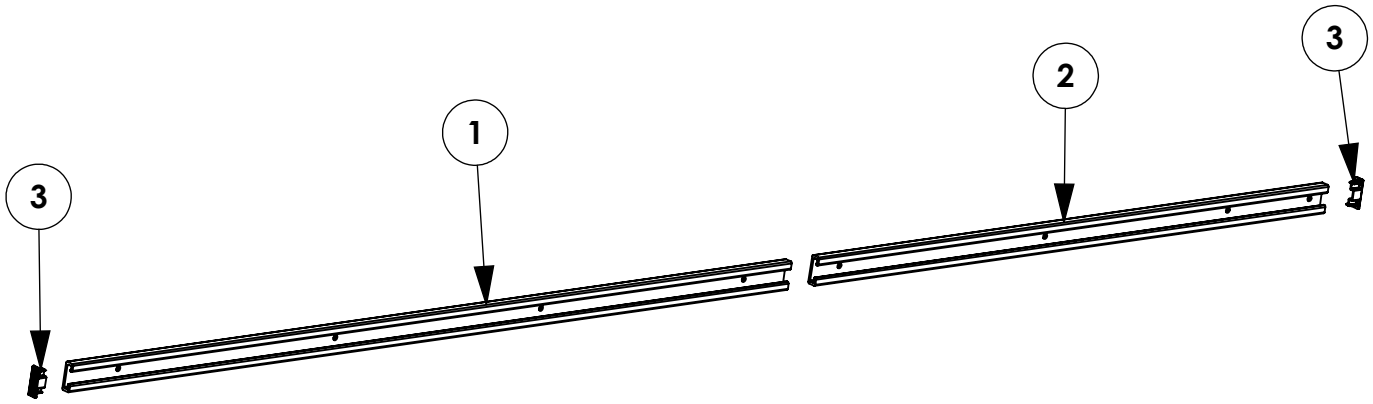
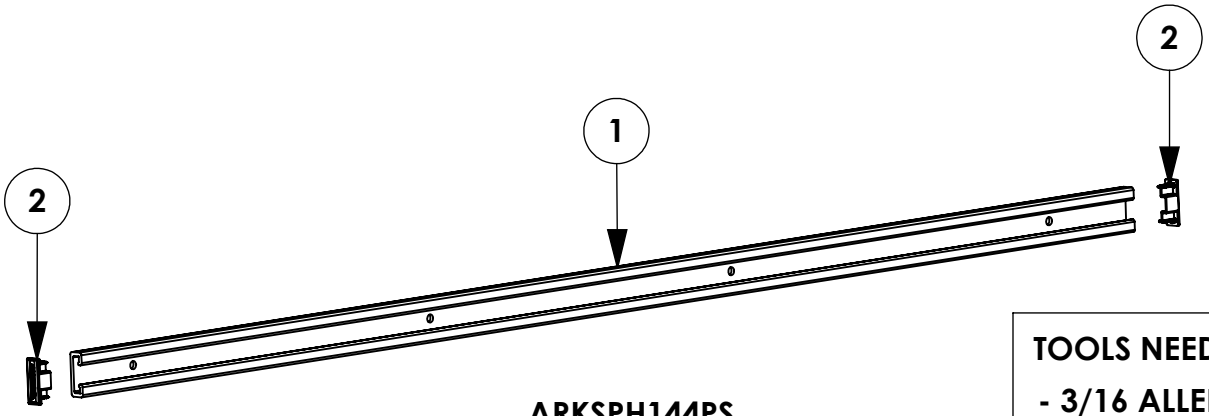
INSTR. NUMBER : **INSARKSP144**	PG: **1**	REV: **A**
PART NUMBER : **ARKSP144DS** / **ARKSP144PS**		
PART DESC. : RAIL KIT,SP 144,DS / RAIL KIT,SP 144 PS		

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	67583	RAIL, 61.90" SPR144 UPPER REAR	1
2	67584	RAIL, 43.88" SPR144 UPPER FRONT	1
3	36496-0	END CAP, RAIL EXTR #2	2



ARKSPH144DS

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	67583	RAIL, 61.90" SPR144 UPPER REAR	1
2	36496-0	END CAP, RAIL EXTR #2	2



ARKSPH144PS

TOOLS NEEDED:

- **3/16 ALLEN**
- **1/2 DRILL STEP BIT**
- **1/2 DRILL STOP**
- **DRILL**
- **PLUSNUT TOOL**
-

BEST PRACTICES

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.

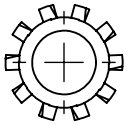
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

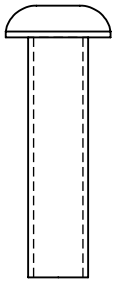
BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

FASTENERS USED

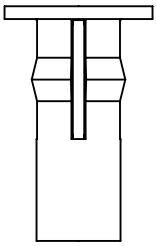
BAG REFERENCE: **BAGARKSPH144DS**



FAS0085
WASHER, LCK EXT, 5/16, ZP
QTY: 8



FAS0708
SCREW, BHCS, 5/16-18X1.25, ZN
QTY: 8



FAS0091
PLUSNUT, 5/16
QTY: 8

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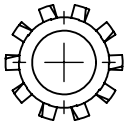
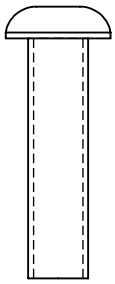
BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

FASTENERS USED

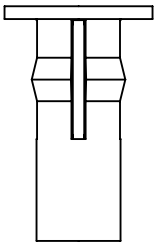
BAG REFERENCE: **BAGARKSPH144PS**



FAS0085
WASHER, LCK EXT, 5/16, ZP
QTY: 4



FAS0708
SCREW, BHCS, 5/16-18X1.25, ZN
QTY: 4



FAS0091
PLUSNUT, 5/16
QTY: 4

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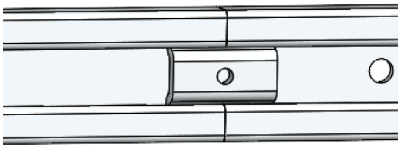
ARKSPH144DS USED IN SPRINTER 144 HIGH ROOF

Step 1.1
PLACE RAIL KIT AGAINST WALL, LINE UP HOLES TO OEM HOLES. MARK HOLES TO BE DRILLED AND OPENED UP, USE SLIDE (35335-0) TO ALIGN THE NEXT RAIL 67584

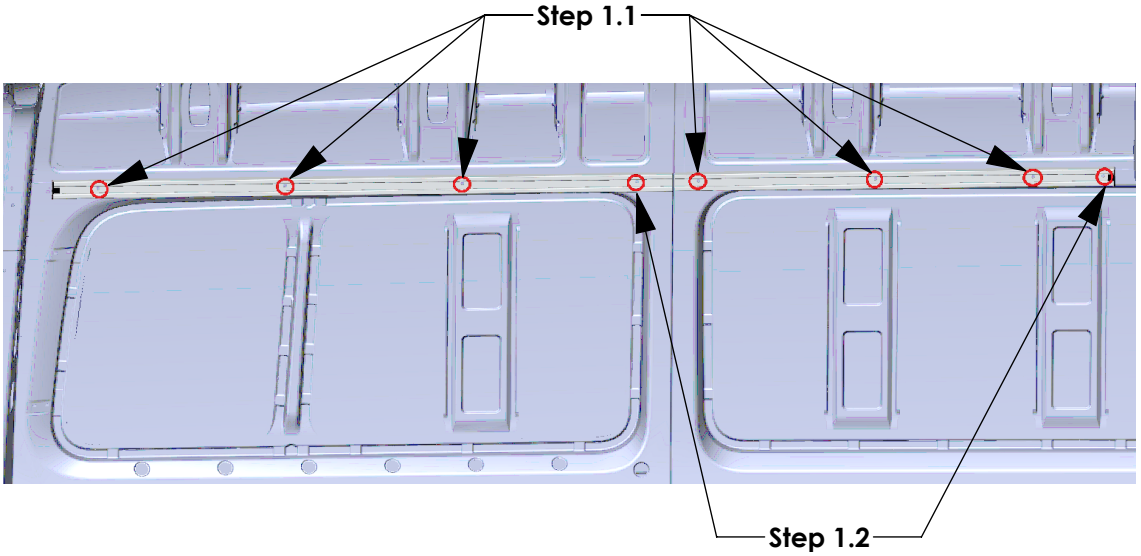
MARKER



ALIGNMENT EXAMPLE

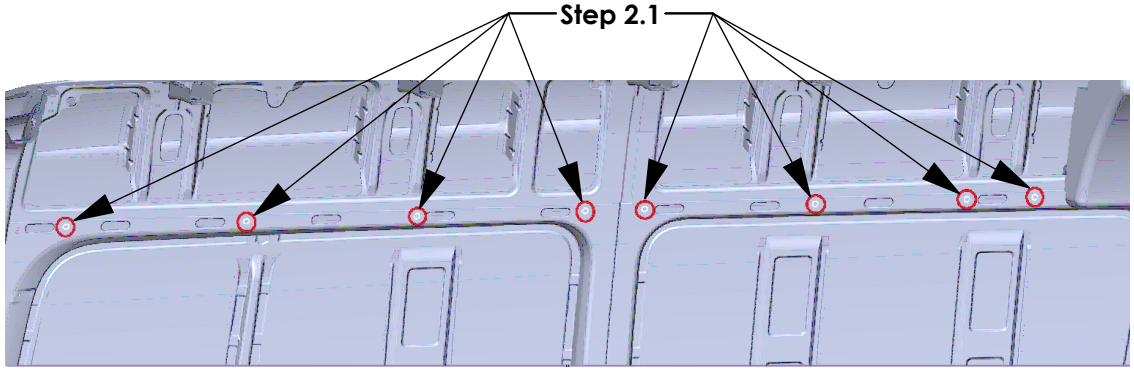
Step 1.2
MARK NONE-OEM HOLE TO BE DRILLED

MARKER



Step 2.1
REMOVE RAILS AND DRILL ALL HOLES MARKED TO 1/2" DIA HOLE

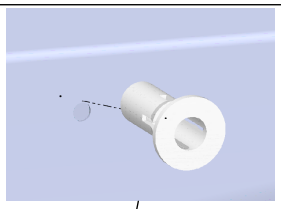
1/2 DRILL STEP BIT
1/2 DRILL STOP DRILL

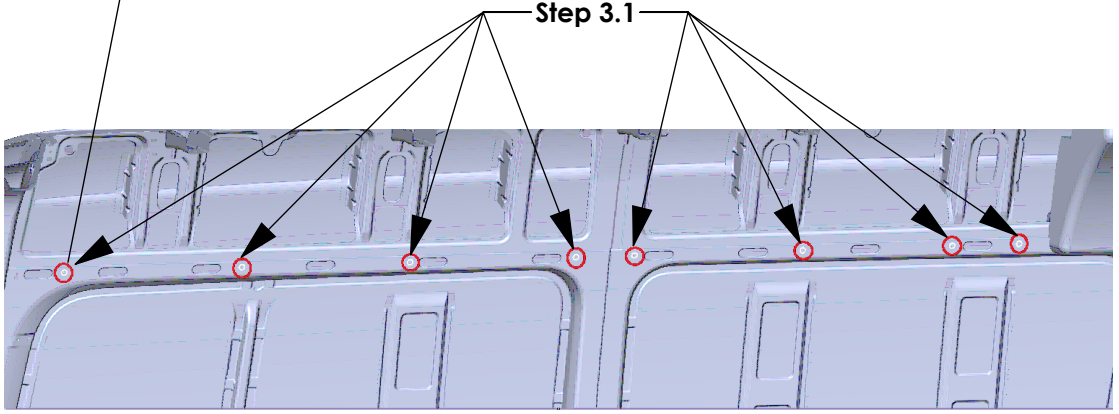


ARKSPH144DS USED IN SPRINTER 144 HIGH ROOF

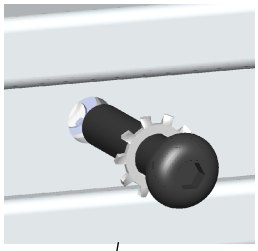
Step 3.1
PLACE FAS0091 INTO HOLES THAT WERE DRILLED. USE PLUSNUT TOOL TO SECURE PLUSNUTS TO WALL.

PLUSNUT TOOL



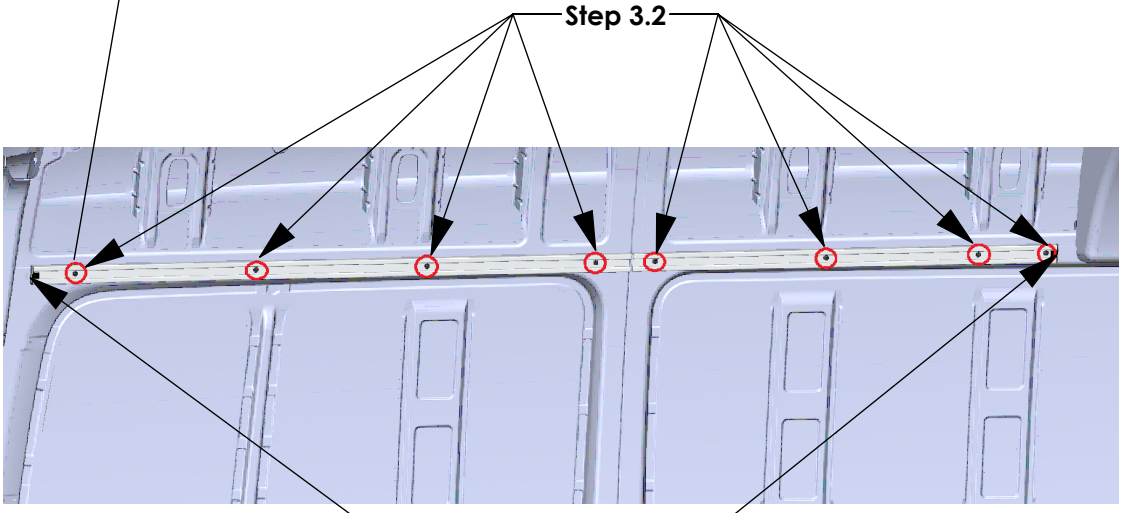


Step 4.1
PLACE 36496-0 AT END OF RAIL



Step 4.2
PLACE RAILS BACK AGAINST WALL, FULLY TIGHTEN FAS0708 & FAS0085 TO SECURE RAILS TO WALL.

7/16 ALLEN



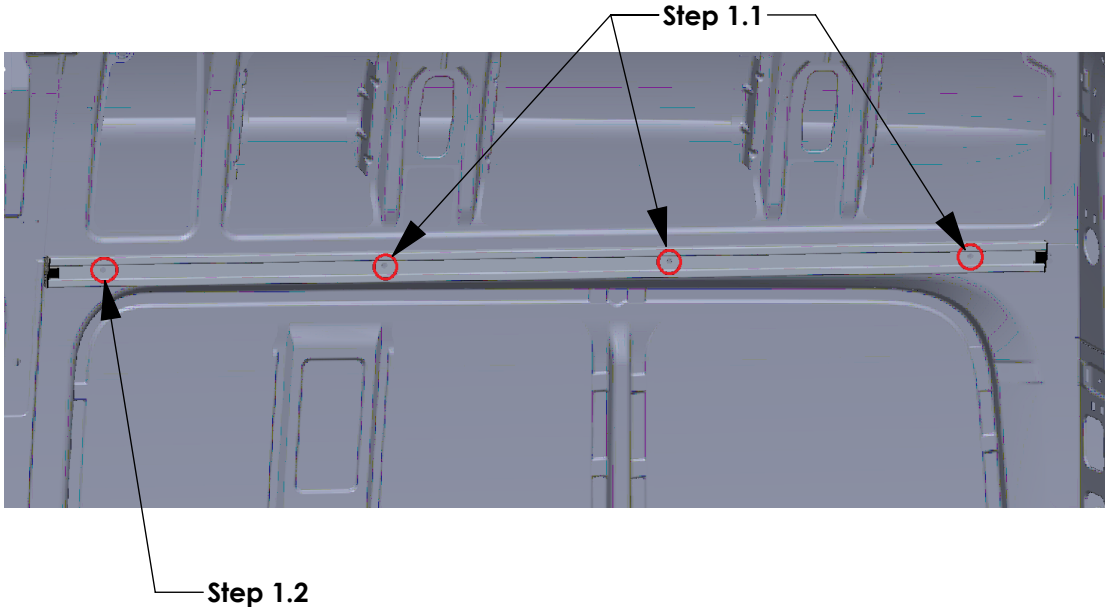
ARKSPH144PS USED IN SPRINTER 144 HIGH ROOF

Step 1.1
PLACE RAIL KIT AGAINST WALL, LINE UP HOLES TO OEM HOLES. MARK HOLES TO BE DRILLED AND OPENED UP

MARKER

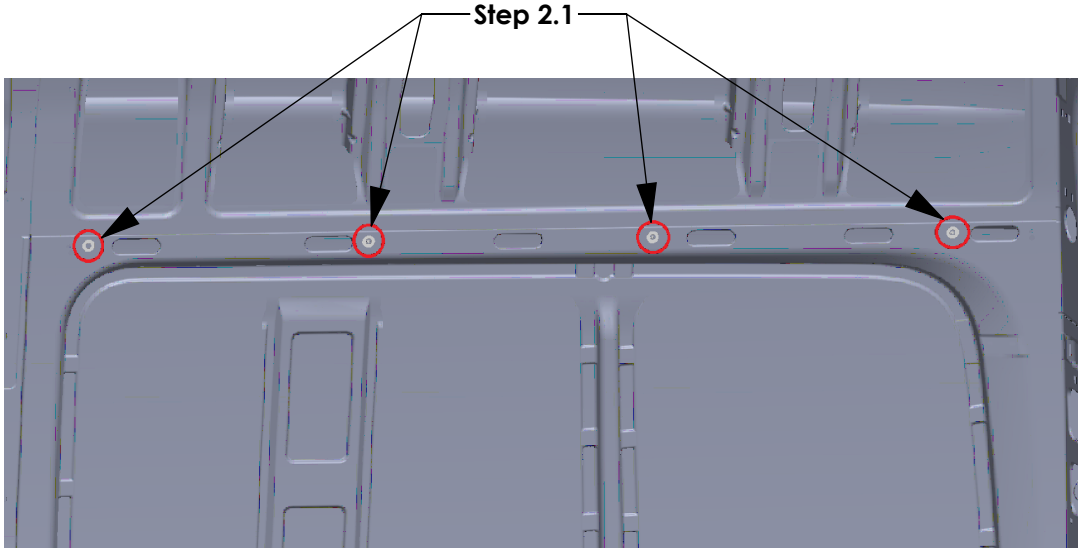
Step 1.2
MARK NONE-OEM HOLE TO BE DRILLED

MARKER



Step 2.1
REMOVE RAILS AND DRILL ALL HOLES MARKED TO 1/2" DIA HOLE

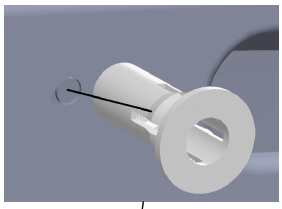
1/2 DRILL STEP BIT
1/2 DRILL STOP DRILL

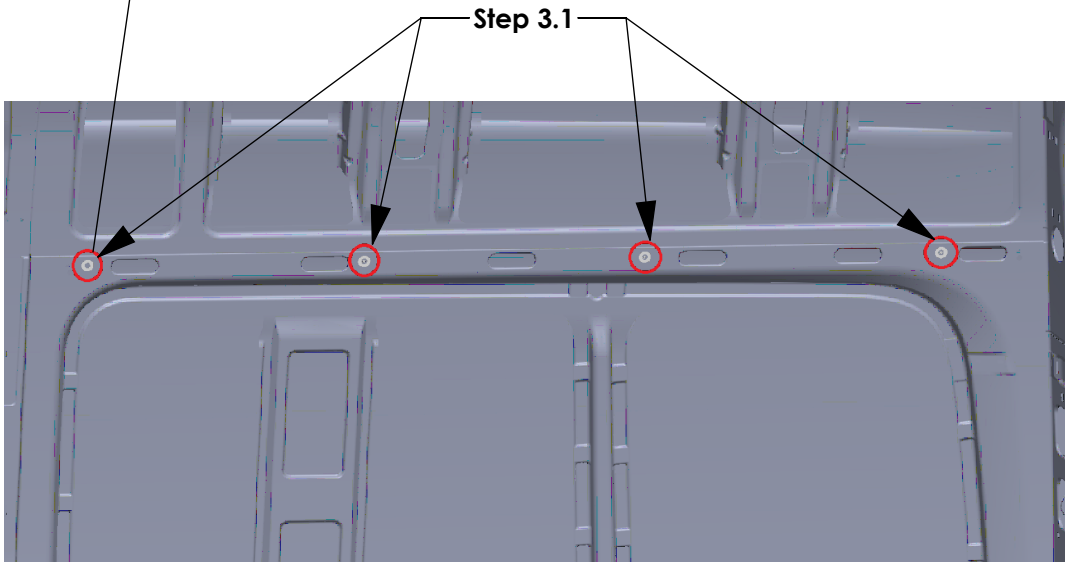


ARKSPH144PS USED IN SPRINTER 144 HIGH ROOF

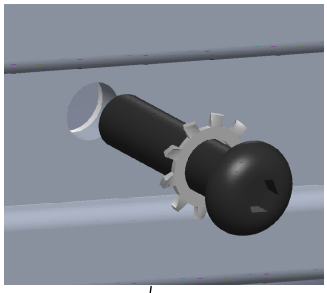
Step 3.1
PLACE FAS0091 INTO HOLES THAT WERE DRILLED. USE PLUSNUT TOOL TO SECURE PLUSNUTS TO WALL.

PLUSNUT TOOL





Step 4.1
PLACE 36496-0 AT END OF RAIL



Step 4.2
PLACE RAILS BACK AGAINST WALL, AND USE FAS0708 & FAS0085 TO SECURE RAILS TO WALL. TIGHTEN DOWN 100%

7/16 ALLEN

