# RAIL KIT, FD TR LR 148, DS

*PRODUCT WEIGHT*

**16.36 LBS**

*VEHICLE*

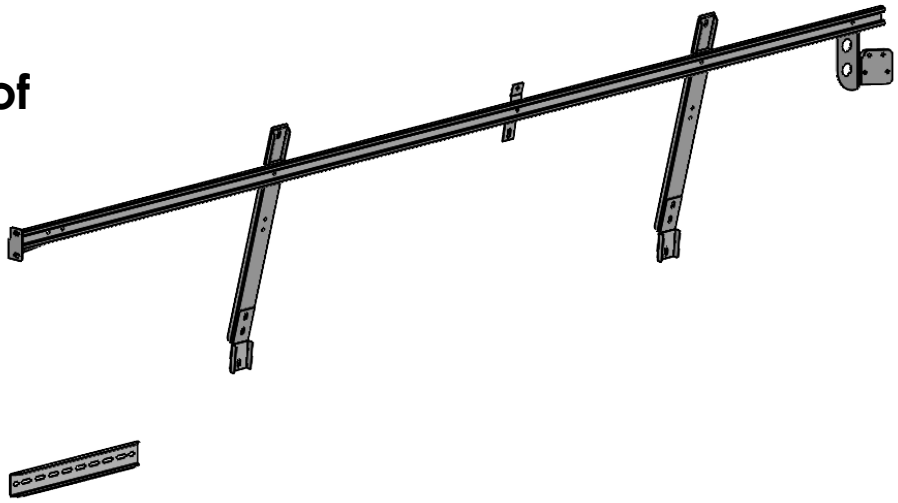
**Ford Transit low roof 148" wheel base**

*CAPACITY*

**N/A**

*COLOR*

**GRAY**





*CATALOG NUMBER*

**ARKFTL148DS**

## PRODUCT FEATURES

**This product is designed for installation in the Ford Transit Low Roof 148" wheel base. It is optimized for use with the next generation shelving. The rail kit includes brackets that span the window cavities to support the AD mounting rials.**

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

# RAIL KIT, FD TR LR 148, DS

*CATALOG NUMBER* **ARKFTL148DS**

*PRODUCT APPLICATION*

**This product is designed for installation in the Ford Transit Low Roof 148" wheel base. Optimized for use with the Next Generation Shelving.**

**All next generation shelving kits for transit low roof 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 SYSTEM (1) |
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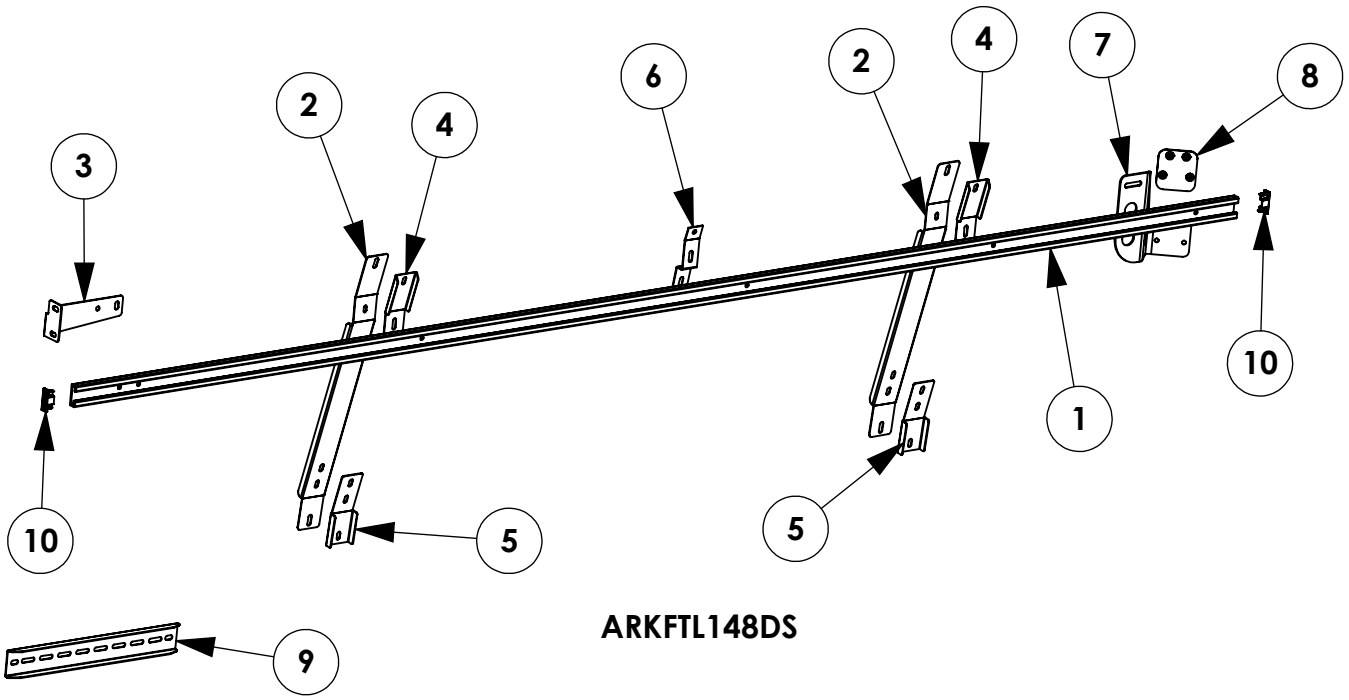
**The information contained in this document is the sole property of ADRIAN STEEL COMPANY. ADRIAN STEEL COMPANY retains the right to modify and/or change the product of its design at any time with prior notification.**

| | | |
|---|---|---|
| INSTR. NUMBER • **INSARKFTL148** | PG: **1** | REV: **A** |

PART NUMBER • **ARKFTL148DS**
PART NUMBER • **ARKFTL148PS**

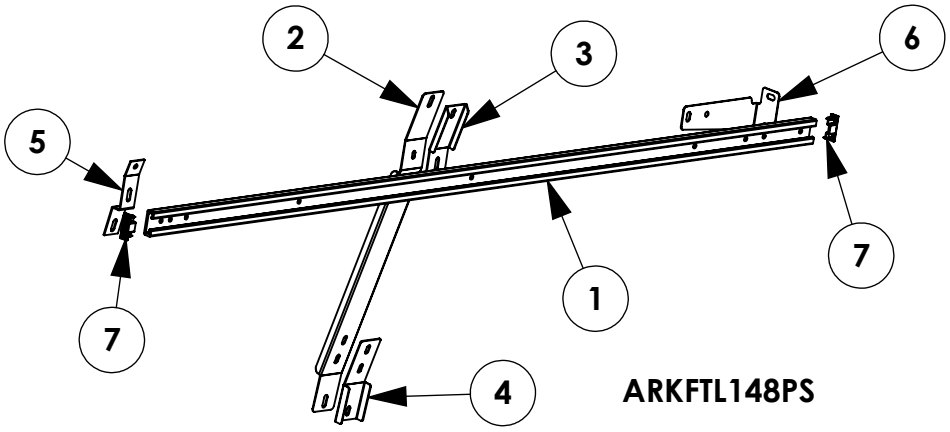
PART DESC. • RAIL KIT,FD TR LR 148,DS
PART DESC. • RAIL KIT,FD TR LR 148,PS

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 75767 | RAIL AD, FTL148 DS UPPER | 1 |
| 2 | 47077P-G | BODY POST,TRANSIT LR,G | 2 |
| 3 | 75760-G | RAIL D-PILLR BKT,FTL,DS,G | 1 |
| 4 | 75761-G | RAIL KIT,FT,UPPER SPN BKT,G | 2 |
| 5 | 75762-G | RAIL KIT,FT,LOWER SPN BKT,G | 2 |
| 6 | 47097-G | BRACKET, RAIL MTG | 1 |
| 7 | 50763-G | RAIL MTG. BRKT, PARFT | 1 |
| 8 | 50765 | RAIL ANCHOR ASSM | 1 |
| 9 | AEPSPAN-G | D-PILLAR SPAN BRACKET,G | 1 |
| 10 | 36496-0 | END CAP, RAIL EXTR #2 | 2 |




**ARKFTL148DS**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 47082P | RAIL,72" AD LWB, MR | 1 |
| 2 | 47077P-G | BODY POST,TRANSIT LR,G | 1 |
| 3 | 75761-G | RAIL KIT,FT,UPPER SPN BKT,G | 1 |
| 4 | 75762-G | RAIL KIT,FT,LOWER SPN BKT,G | 1 |
| 5 | 47097-G | BRACKET, RAIL MTG | 1 |
| 6 | 75763-G | RAIL D-PILLR BKT,FTL,PS,G | 1 |
| 7 | 36496-0 | END CAP, RAIL EXTR #2 | 2 |




**ARKFTL148PS**

**TOOLS NEEDED:**

- **PHILIPS HEAD SCREW DRIVER**
- **M8 ALLEN**
- **OPEN END WRENCH**
- **1/2 DRILL STEP BIT**
- **1/2 SOCKET**
- **1/2 DRILL STOP**
- **DRILL**

## *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).

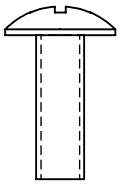
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

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

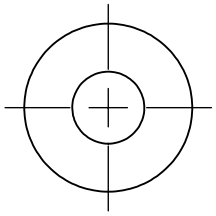


## *FASTENERS USED*

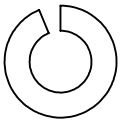
***BAG REFERENCE:*** **BAGARKFTL148DS**



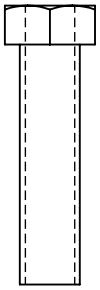
**FAS0062**
**SCREW, THP,**
**1/4-20X.75, G5 ZP**
**QTY: 8**



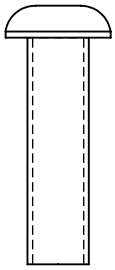
**FAS0086**
**WASHER, FLAT USS,**
**5/16, ZP**
**QTY: 14**



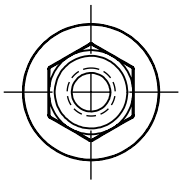
**FAS0098**
**WASHER, LOCK, SPLIT,**
**5/16, ZP**
**QTY: 14**



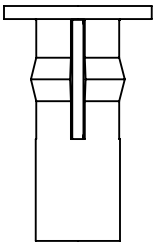
**FAS0093**
**SCREW, HH,**
**5/16-18X1.25**
**QTY: 13**



**FAS0741**
**SCREW, BH HEX SOC.,**
**M8-1.25X30**
**QTY: 1**



**FAS0055**
**NUT, HEX NLK FLG,**
**1/4-20, ZP**
**QTY: 8**



**FAS0091**
**PLUSNUT, 5/16**
**QTY: 9**

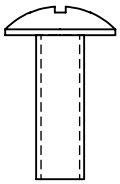
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**BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR**

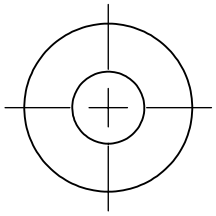


## *FASTENERS USED*

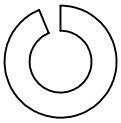
***BAG REFERENCE:*** **BAGARKFTL148PS**



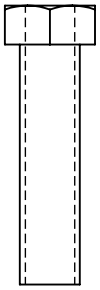
**FAS0062**
**SCREW, THP,**
**1/4-20X.75, G5 ZP**
**QTY: 5**



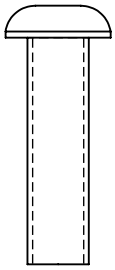
**FAS0086**
**WASHER, FLAT USS,**
**5/16, ZP**
**QTY: 6**



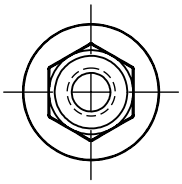
**FAS0098**
**WASHER, LOCK, SPLIT,**
**5/16, ZP**
**QTY: 6**



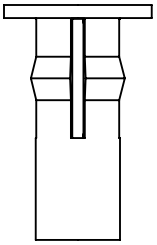
**FAS0093**
**SCREW, HH,**
**5/16-18X1.25**
**QTY: 5**



**FAS0741**
**SCREW, BH HEX SOC.,**
**M8-1.25X30**
**QTY: 1**



**FAS0055**
**NUT, HEX NLK FLG,**
**1/4-20, ZP**
**QTY: 5**



**FAS0091**
**PLUSNUT, 5/16**
**QTY: 5**

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# ARKFTL148DS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF

**Step 1.1**
**PRE-ASSEMBLY RAIL KIT AS SHOWN, FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 75760 TO RAIL.**

**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

**Step 1.2**
**FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 75762 & 75761 TO RAIL.**

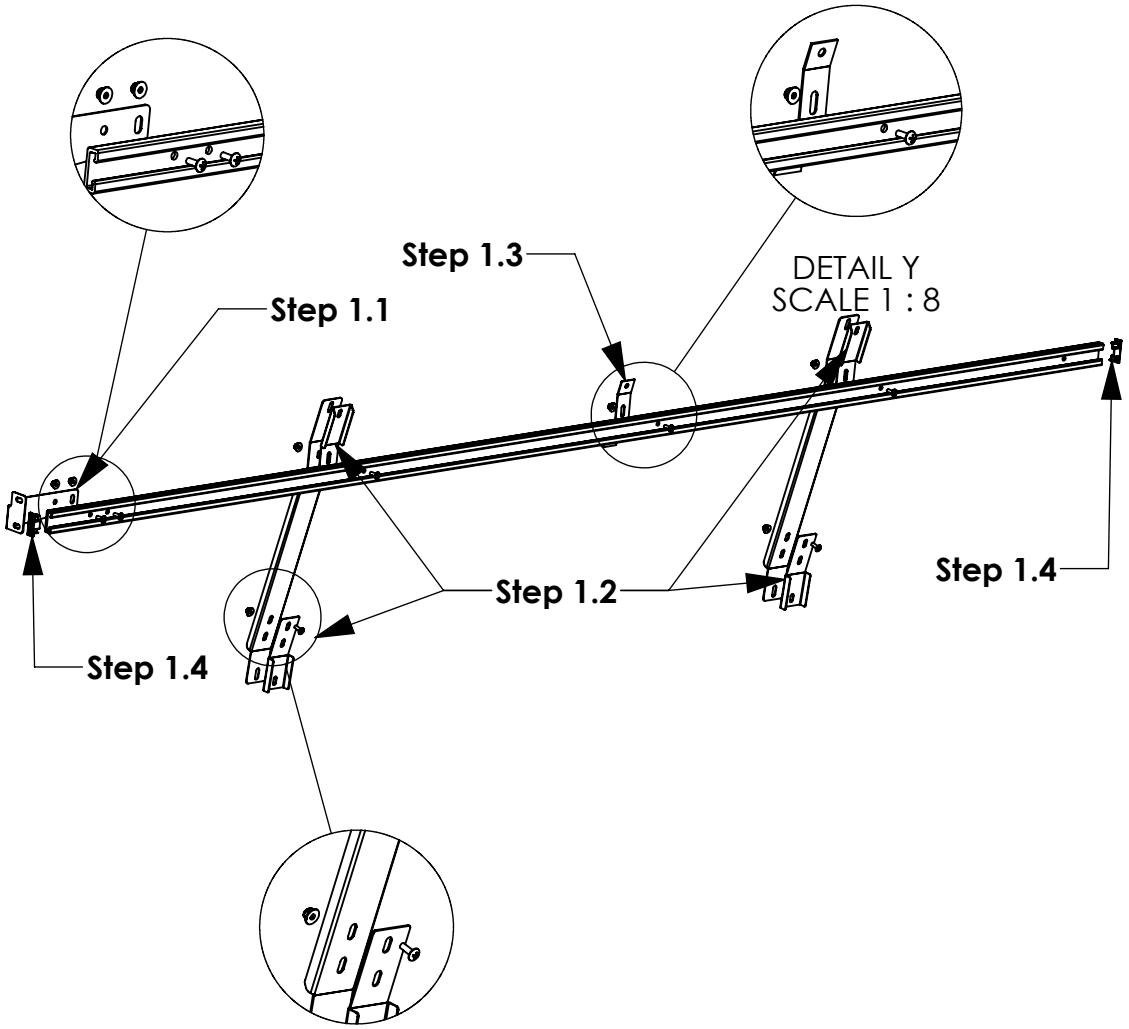
**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

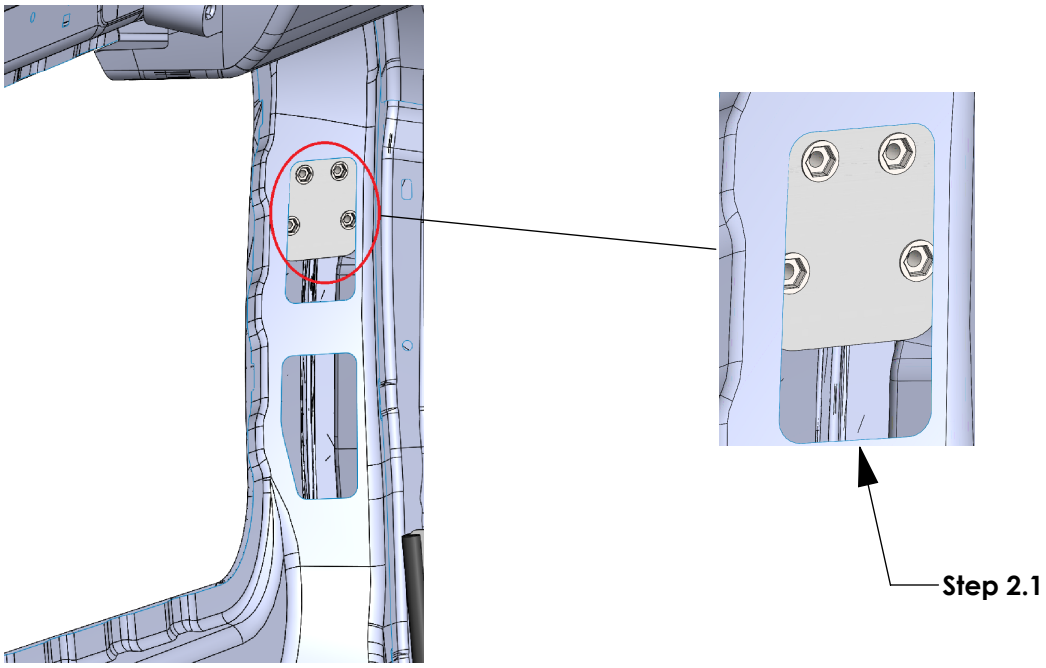
**Step 1.3**
**FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 47097-G TO RAIL.**

**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

**Step 1.4**
**PLACE 36496-0 AT ENDS OF RAIL**

**Step 2.1**
**PLACE 57065 INSIDE OF CUTOUT IN B-PILLAR, HOLD INPLACE TO KEEP FROM FALLING INSIDE PILLAR. UNTILL STEP 2.2**

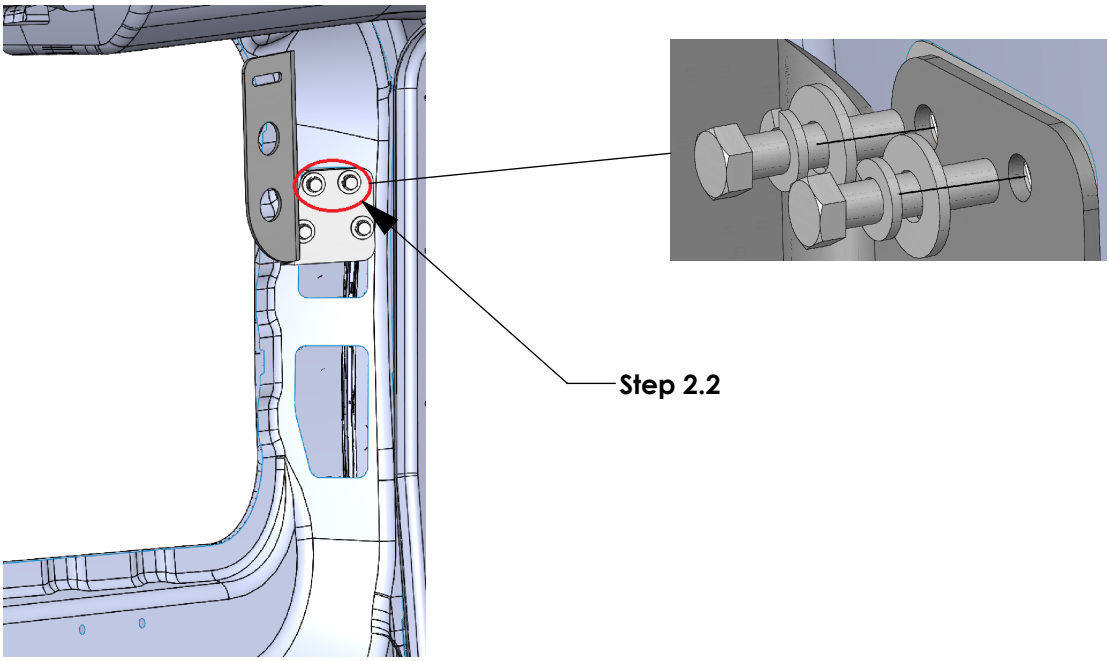


# *ARKFTL148DS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

**Step 2.2**
**WITH 50765 INSIDE THE B-PILLAR, PLACE 50763-G OUTSIDE OF THE PILLAR AND LINE HOLES UP TO THE BRACKETS. USE FAS0093, FAS0098, & FAS0086 TO SECURE BOTH BRACKETS TOGETHER**

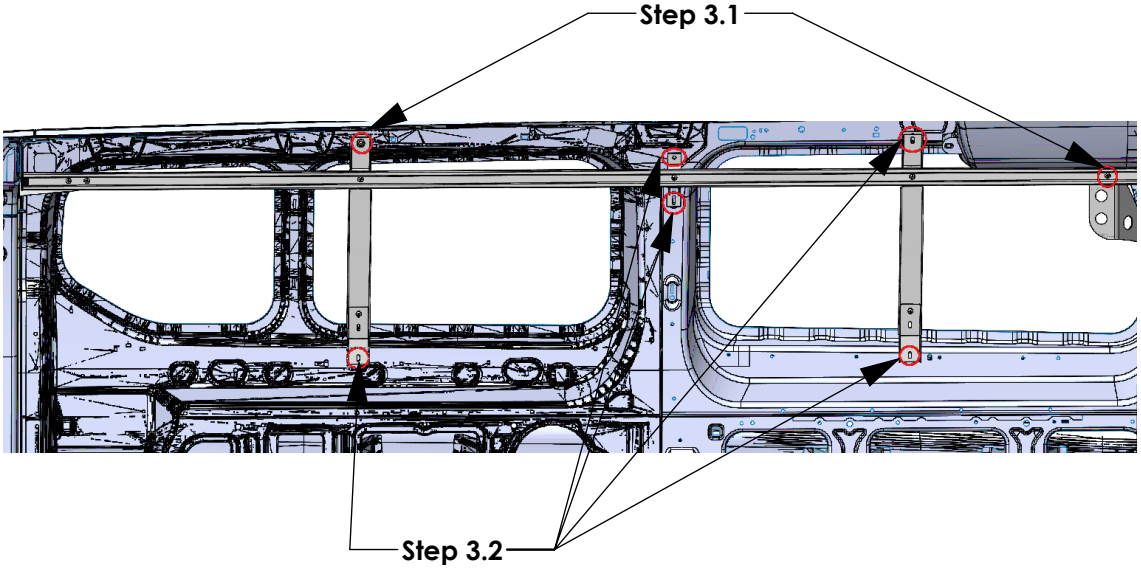
**1/2" SOCKET DRILL**
**DRILL**




**Step 3.1**
**PLACE ASSEMBLED RAIL KIT AGAINST WALL, USE EXISTING OEM HOLE AND HOLE FROM 36496-0 TO MOUNT TO.**

**Step 3.2**
**AFTER RAIL IS IN PLACE, MARK HOLES TO BE DRILL OR OPENED UP TO 1/2" DIA HOLES**

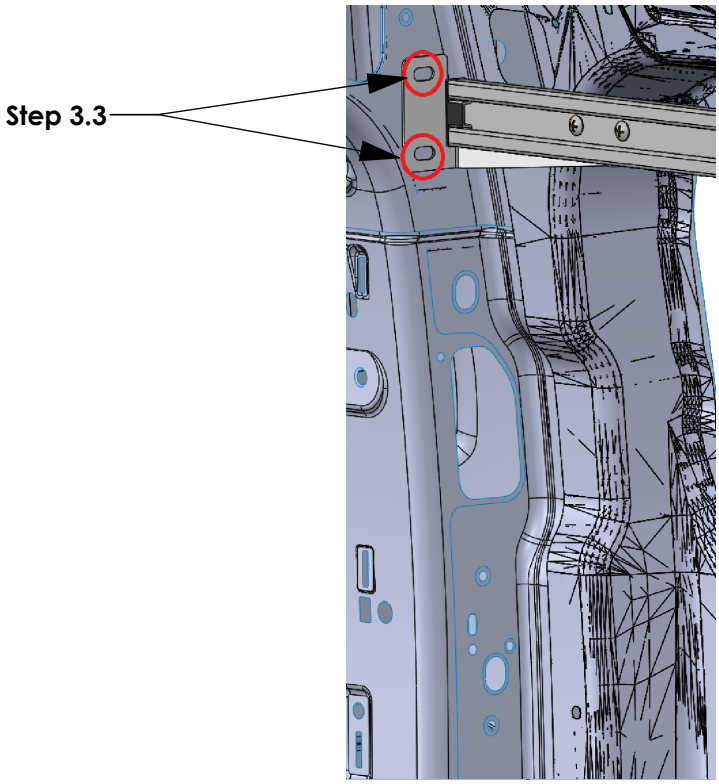
**1/2" DRILL STEP BIT**
**1/2 DRILL STOP**
**DRILL**



# *ARKFTL148DS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

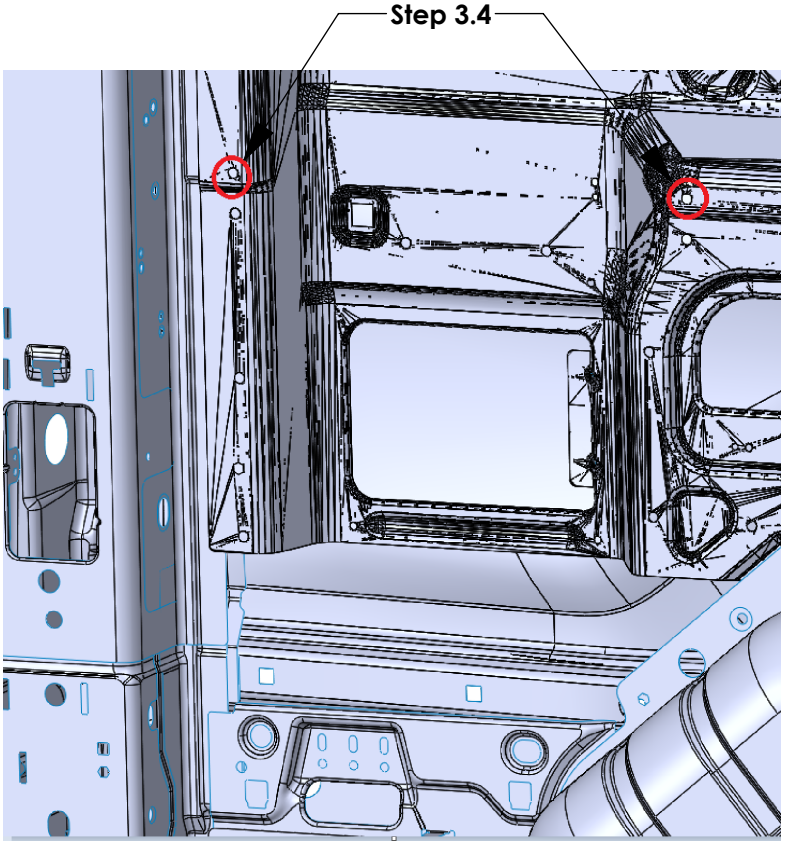
**Step 3.3**
**MARK HOLES ON THE D-PILLAR FROM THE BRACKET TO BE DRILLED TO 1/2" DIA HOLES REMOVE RAIL KIT AFTER HOLES HAVE BEEN MARKED, REMOVE RAIL FROM WALL**

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




**Step 3.4**
**OEM HOLES SHOWN ON BELT LINE NEED TO BE MARKED TO BE OPENED UP TO 1/2" DIA HOLES**

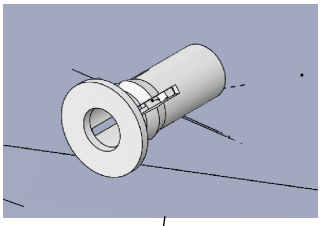
**1/2 DRILL STEP BIT**
**1/2 DRILL STOP DRILL**

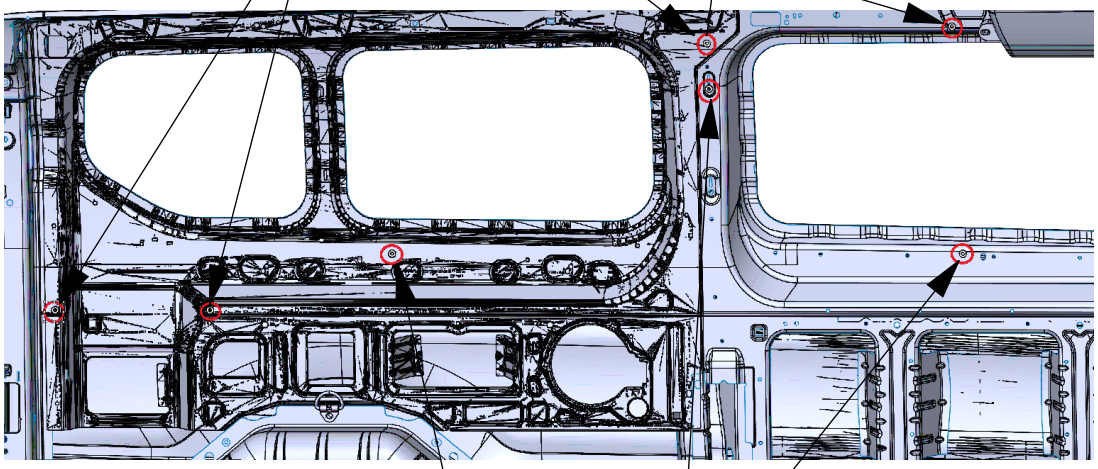


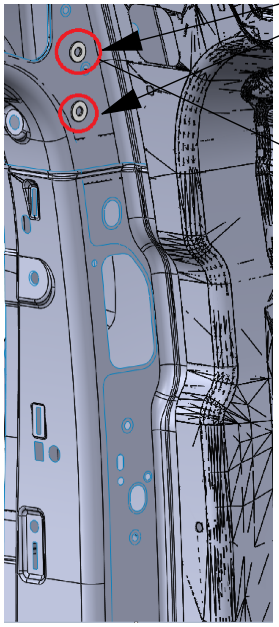
# *ARKFTL148DS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

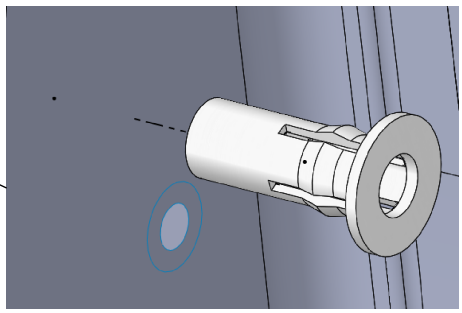
**Step 4.1**
**AFTER HOLES HAVE BEEN EITHER DRILL OR OPENED UP, PLACE FAS0091 INTO HOLES AND USE PLUSNUT TOOL TO SECURE ITEMS**

**PLUSNUT TOOL**







# ARKFTL148DS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF

**Step 5.1**
**PLACE RAIL BACK UP AGAINST WALL, FULLY TIGHTEN FAS0741, FAS0098 & FAS0086 TO MOUNT RAIL TO OEM HOLE ON WALL**

**M8 ALLEN**

**Step 5.2**
**FULLY TIGHTEN FAS0062 AND FAS0055 TO MOUNT RAIL TO B-PILLAR BRACKET**

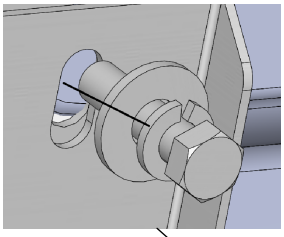
**PHILIPS HEAD SCREW DRIVER OPEN END WRENCH**

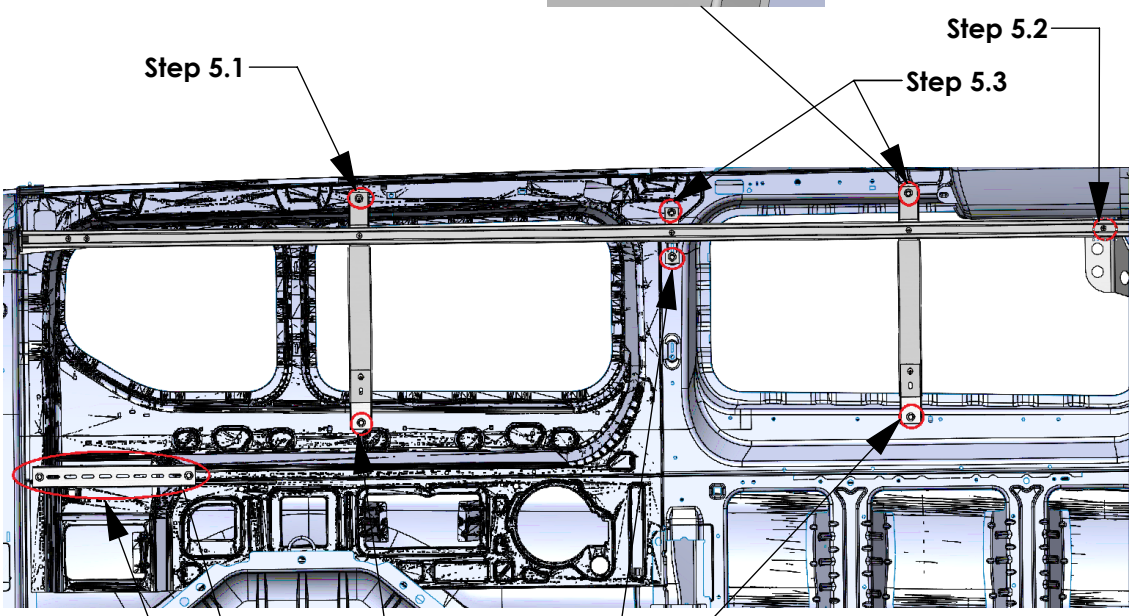
**Step 5.3**
**FULLY TIGHTEN FAS0093, FAS0098, & FAS0086 INTO HOLES WITH PLUSNUTS**

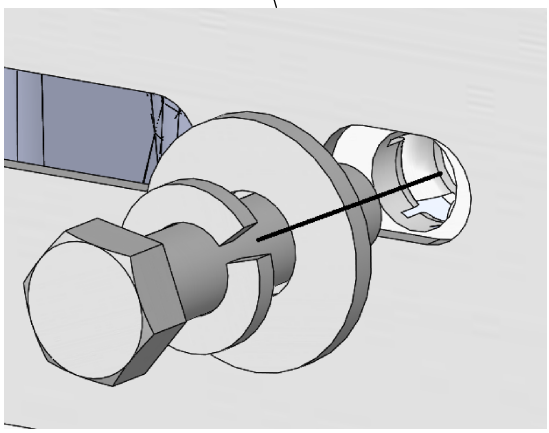
**1/2" SOCKET DRILL**

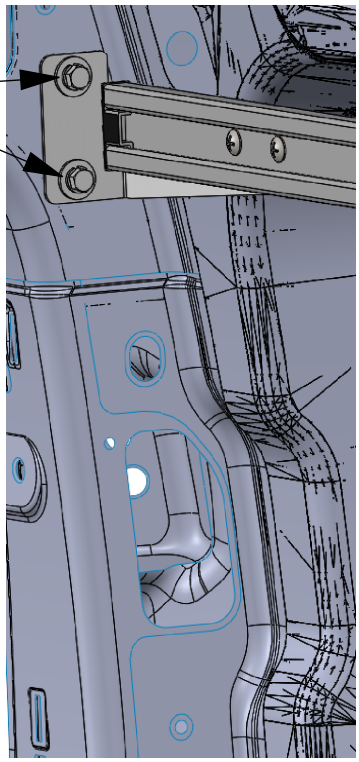
**Step 5.4**
**FULLY TIGHTEN AEPSPAN WITH FAS0093, FAS0098, & FAS0086 INTO HOLES WITH PLUSNUTS ON THE BELT LINE**

**1/2" SOCKET DRILL**





# *ARKFTL148PS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

**Step 1.1**
**PRE-ASSEMBLY RAIL KIT AS SHOWN, FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 75760 TO RAIL.**

**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

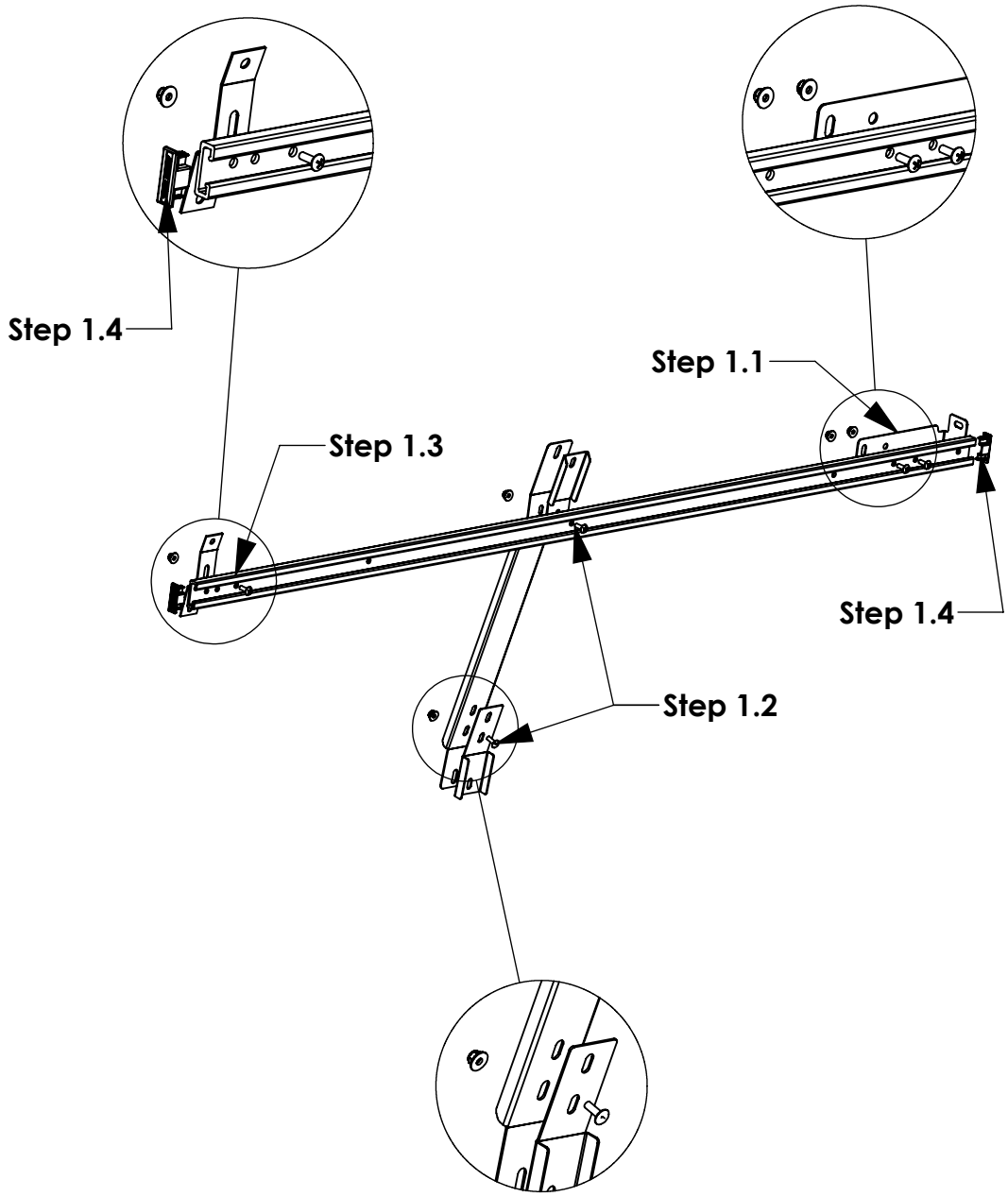
**Step 1.2**
**FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 75762 & 75761 TO RAIL.**

**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

**Step 1.3**
**FULLY TIGHTEN FAS0062 & FAS0055 TO SECURE BRACKET 47097-G TO RAIL.**

**PHILPS HEAD SCREW DRIVER OPEN END WRENCH**

**Step 1.4**
**PLACE 36496-0 AT ENDS OF RAIL**



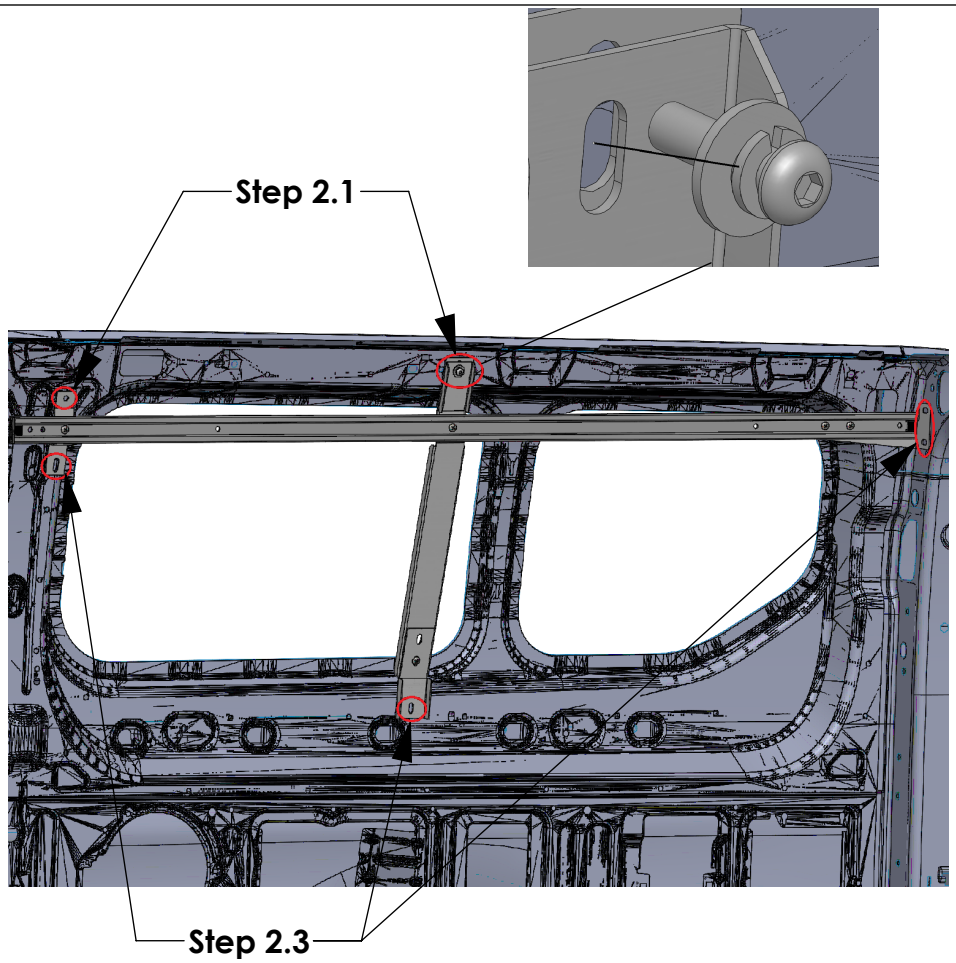
# *ARKFTL148PS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

**Step 2.1**
**PLACE ASSEMBLED RAIL KIT AGAINST WALL, USE EXISTING OEM HOLE TO MOUNT TO.**

**M8 ALLEN**

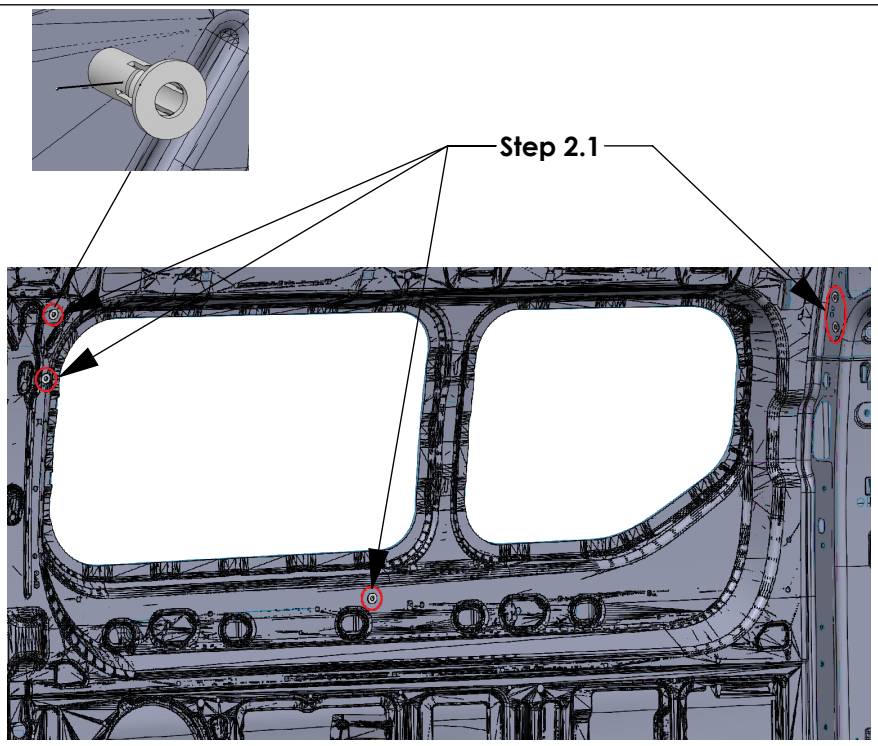
**Step 2.3**
**ONCE RAIL IS IN PLACE, MARK HOLES TO BE TO BE DRILL TO 1/2" DIA HOLE, THEN REMOVE RAIL TO DRILL HOLES**

**MARKER**




**Step 2.1**
**AFTER HOLES HAVE BEEN EITHER DRILL OR OPENED UP WITH DRILL STOP BIT, PLACE FAS0091 INTO HOLES AND USE PLUSNUT TOOL TO SECURE ITEMS**

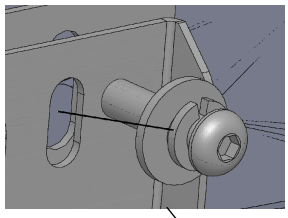
**1/2 DRILL STEP BIT**
**1/2 DRILL STOP DRILL**
**PLUSNUT TOOL**

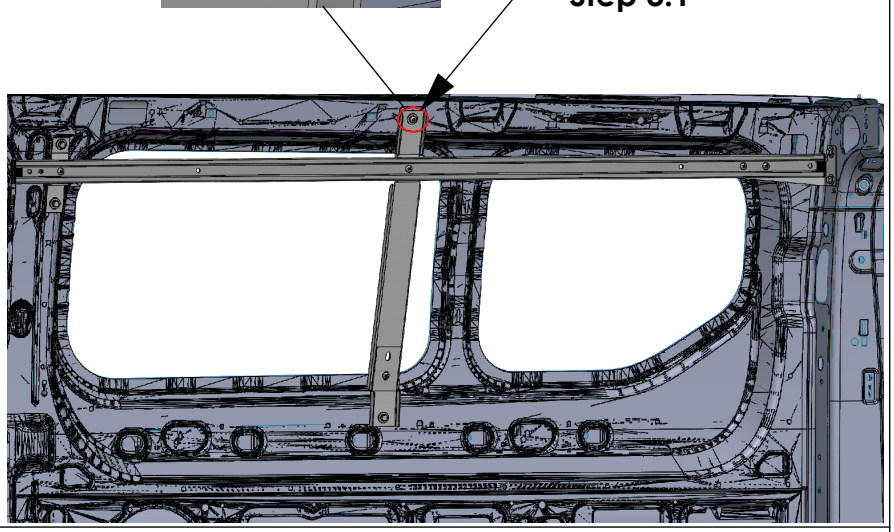


# *ARKFTL148PS RAIL KIT WORKING IN A FORD TRANSIT 148WB LOW ROOF*

**Step 3.1**
**PLACE RAIL BACK UP AGAINST WALL, FULLY TIGHTEN FAS0741, FAS0098 & FAS0086 TO MOUNT RAIL TO OEM HOLE ON WALL**

**M8 ALLEN**






**Step 3.2**
**FULLY TIGHTEN FAS0093, FAS0098, & FAS0086 INTO HOLES WITH PLUSNUTS**

**1/2" SOCKET DRILL**

