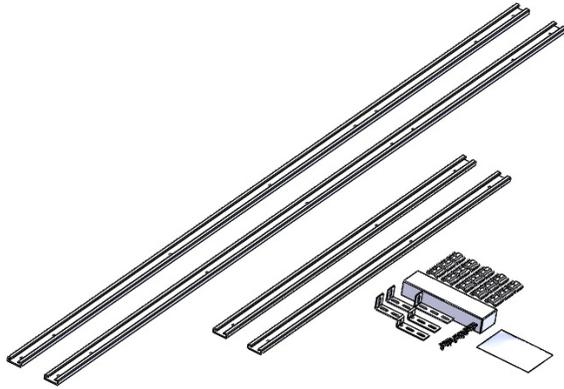


AD SERIES RAIL SYSTEM INSTALL INSTRUCTIONS

ECN-19624 DATE: 04/25/2017 DWG.BY: BTS REV.BY: BTS ISSUE: L P.N.: 36566-0



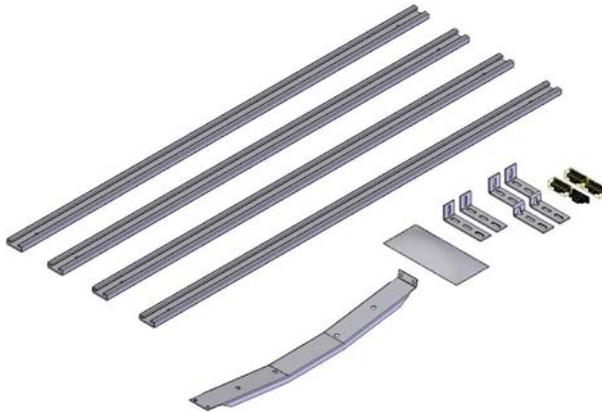
RKFSVLWB

**GM
FULL SIZE VAN
LWB**



RKFSVXLWB

**GM
FULL SIZE VAN
XLWB**



RKFSVLHD

**GM
FULL SIZE VAN
LEFT HAND
DOOR**

BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED AS SPECIFIED IN ORDER TO ENSURE A PROPER INSTALLATION AND MUST BE FOLLOWED IN ORDER TO MAINTAIN YOUR PRODUCT WARRANTY!



CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIRONMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

3/16 ALLEN	9/16" OPEN END WRENCH FOR SETTING PLUSNUTS, DRILL MOTOR, 1/2" DRILL BIT WITH 1/2" DEEP STOP
1/2" OPEN END WRENCH	RATCHET WRENCH, WITH 1/2" SOCKET

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



WARNING



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS ALONG WITH PROPER INSPECTION FOR GAS TANK, GAS LINES, BRAKE LINES AND ELECTRICAL LINES PRIOR TO DRILLING ANY MOUNTING HOLES IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!



THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THE INSTRUCTION (S) MAY VOID YOUR PRODUCT WARRANTY!

ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!



TO PREVENT EXHAUST FUMES FROM ENTERING THE VEHICLE, ALL HOLES SHOULD BE SEALED AT INSTALLATION WITH BUTYL OR SILICON SEALANT MATERIAL.



Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE	DRILL SIZE (with stop)
5/16-18 PLUSNUT, FAS0091 	1/2" DIAMETER

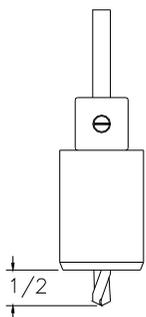
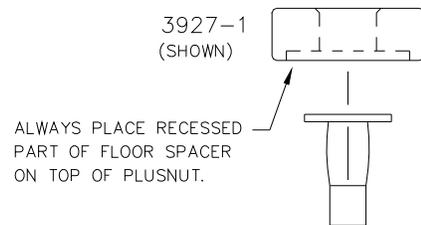
FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

Position each item in desired location inside the vehicle and mark the floor mounting locations.

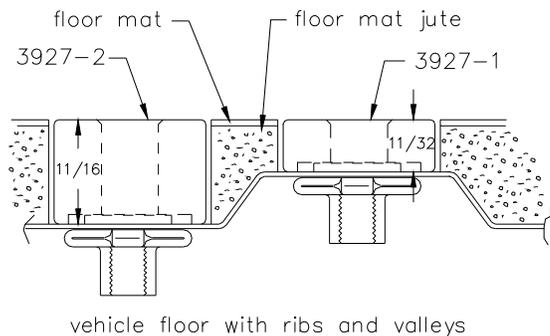
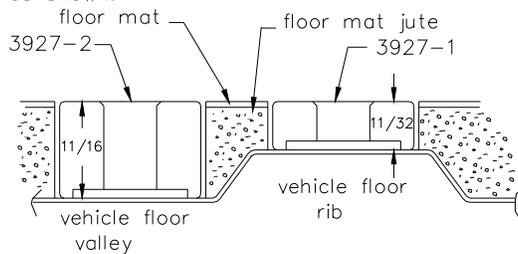
It is recommended that a drilling template be used to ensure an accurate placement of components is achieved for this installation.

Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.

Spacer Use and Installation



Placing the properly sized spacer on top of the vehicle floor pan will make your Adrian interior level, square, and sound. The view below shows the proper sized spacer for the different heights of the vehicle floor. Make sure to place the spacers with the plusnut relief surface down as shown.



The location of various floor mounts will determine what spacer combination will be used. For example, an 11/32" spacer is used atop floor ribs, and an 11/16" high spacer is used atop floor valleys.



THE PROPER USE OF SPACERS IS REQUIRED WHEN MOUNTING OVER MAT/CARPET TO ENSURE THE METAL-TO-METAL CLAMP-UP, WHICH WILL PREVENT UNWANTED COMPONENT SHIFTING AND POTENTIAL FAILURE DURING USE.



STEP - 01

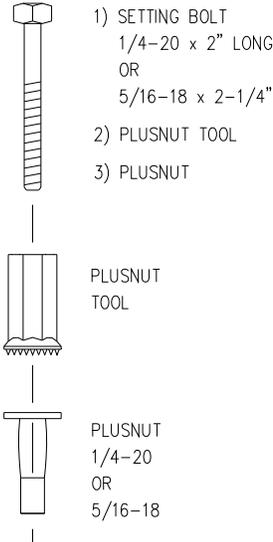
VEHICLE PREPARATION, FLOOR MOUNTING LOCATIONS

 <p>03927-1 11/32 C/F 1006 SPACER (5) REQUIRED ONLY WHEN OEM MAT IS USED</p>	 <p>FAS0091 5/16" PLUSNUT (5) REQUIRED</p>	 <p>22200-0 PLUSNU T TOOL</p> <p>NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291- 0</p>
---	--	---

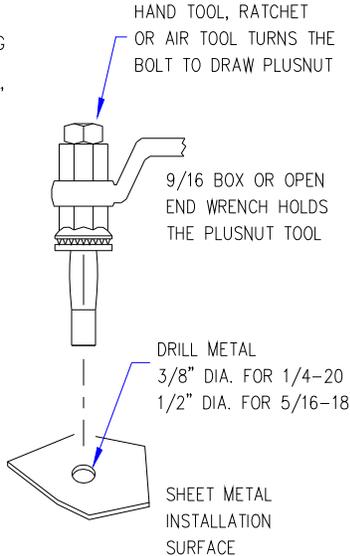
Using 1/2" drill bit with drill stop drill holes at the marks you made in the van floor.

Clean up debris from drilling and Install a 5/16" plus nut into each hole and set the plusnut as shown in illustration.

ASSEMBLE THE FOLLOWING



SETTING THE PLUSNUT

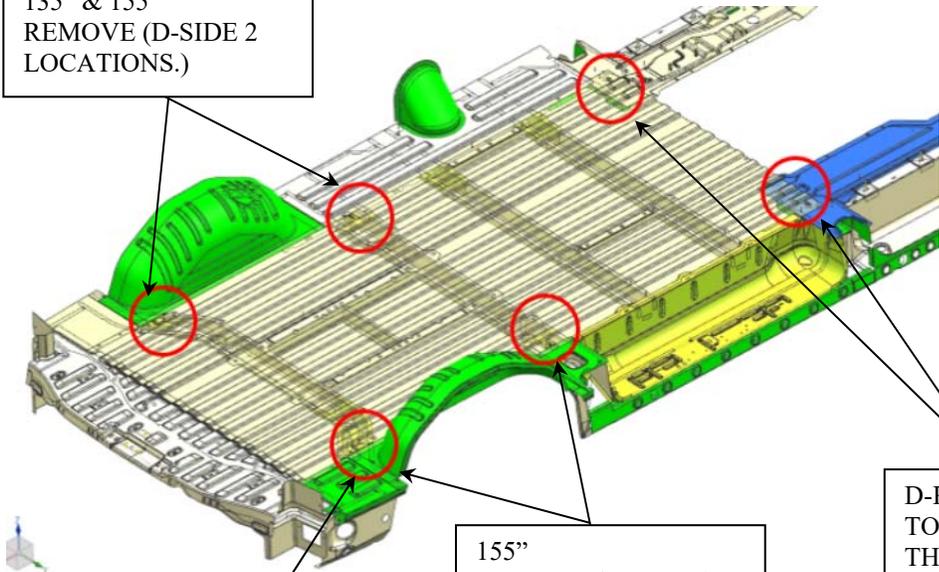


FOR 2016 GM VANS

- 1. REMOVE D-RINGS FROM VEHICLE FLOOR PER DIAGRAM BELOW, USE A TORX 50 TO REMOVE OEM FASTENER.**

135" WB

135" & 155"
REMOVE (D-SIDE 2
LOCATIONS.)

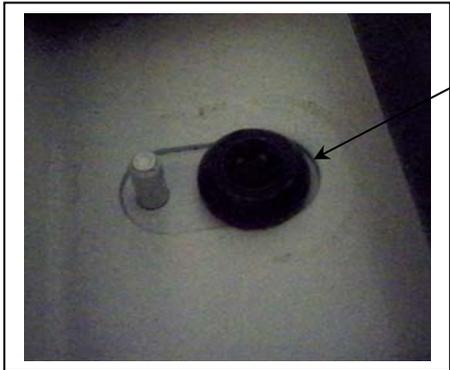


D-RINGS DO NOT NEED TO BE REMOVED IN THESE TWO LOCATIONS.

135"
REMOVE (P-SIDE, 1
LOCATION.)

155"
REMOVE (P-SIDE, 2
LOCATIONS.)

- 2. RE-INSTALL FASTENER – STOW D-RINGS FOR END USER, OR AS SPECIFIED PER PDS.**



OEM FASTENER

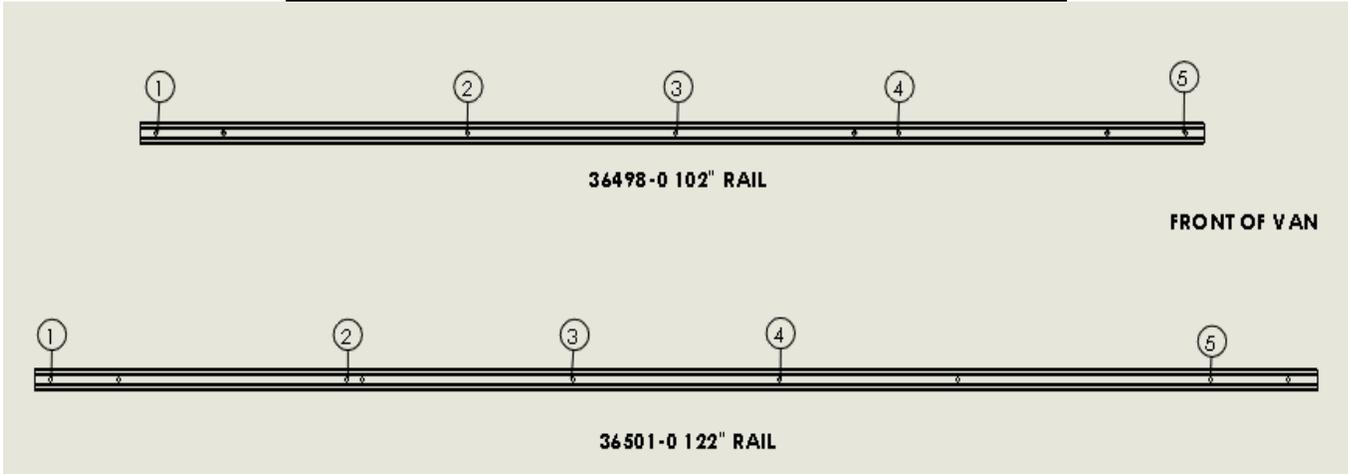
IF EQUIPED WITH WORKMAT, PLACE FOLD UNDER RAIL DURING INSTALL



STEP 02:
INSTALL STREET (DRIVER'S) SIDE FLOOR RAIL

 FAS0091 PLUSNUT, 5/16- 18UNC Qty = 5	 36498-0 RAIL, EXTR, 102", LWB 36501-0 RAIL, EXTR, 122", XLWB Qty = 1	 FAS0708 SCREW, SHCS, 5/16-18 X 1.25" Qty = 5 17 ft-lbs +/- 3 ft-lbs	 FAS0085 WASHER, EXT TOOTH, 5/16" ID Qty = 5	 03927-1 SPACER, FLR, 11/32", C/F 1006 Qty = 5	 35335-0 SLIDE, EXTR, RAIL Qty = 4	 36496-0 END CAP, PLASTIC Qty = 1
--	---	--	--	--	--	---

NOTE: VERIFY DISTANCE BETWEEN FLOOR RAILS IS 48" MINIMUM, OVER 48" IS ACCEPTABLE.



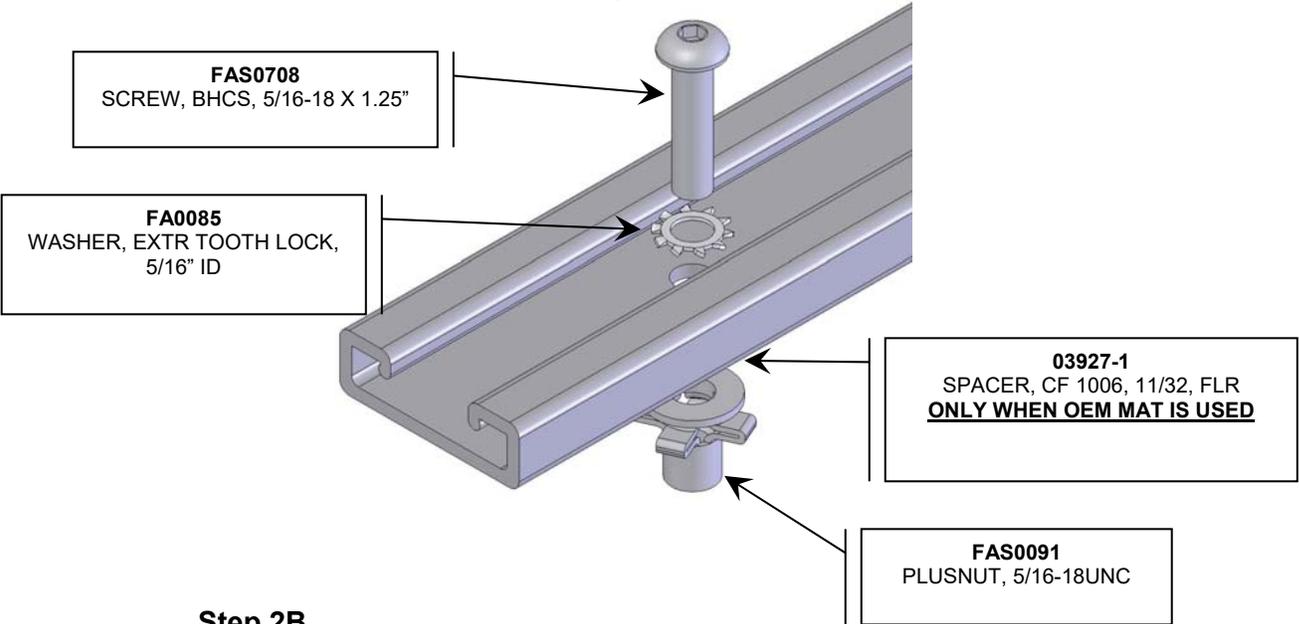
Orientate the 102" Rail (36498-0) or the 122" Rail (36501-0) on vehicle floor as shown below (partition previously installed) and position as follows, slide rail so that it contacts partition floor rail and touching wheel well as shown below. Measure in the rear of the van 11.25" from the wall to the outer edge of rail as shown below. Measure in the front of the van from of the wall 13.00" to outside of rail as shown below. Mark (5) holes on vehicle floor and/or floor mat at the following locations. Remove rail and set aside at this time. Drill and set plusnuts as outlined in beginning of instructions. Reposition the street side floor rail and secure with fasteners listed above.


NOTE:

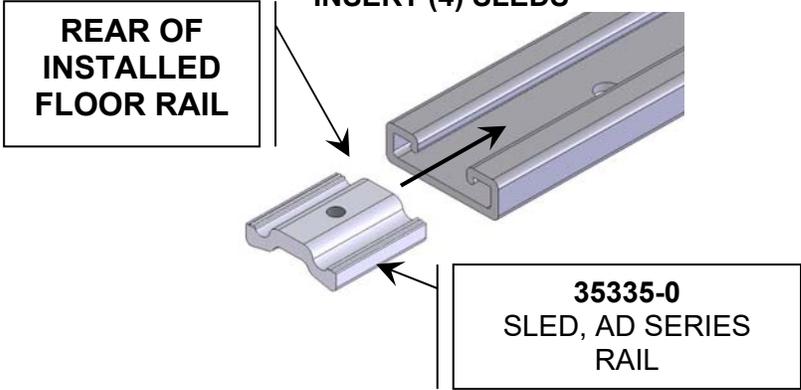
If partition has a 3" setback, cut 3" off the extruded aluminum rail that contacts the partition floor rail.

STEP 02: INSTALL STREET (DRIVER'S) SIDE FLOOR RAIL (continued)

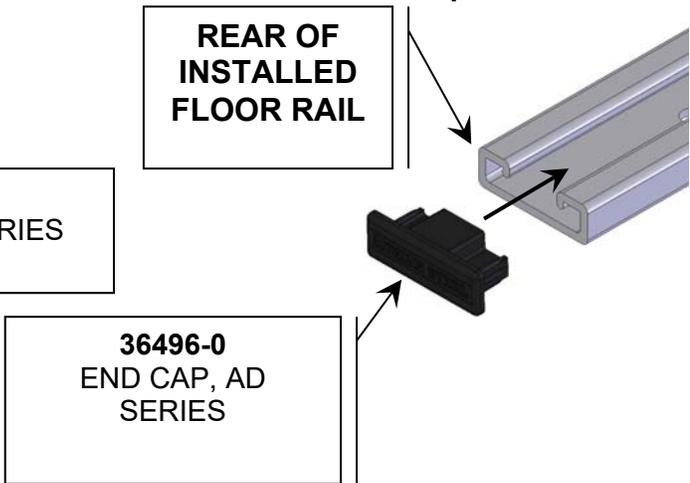
Step 2A



Step 2B
INSERT (4) SLEDS

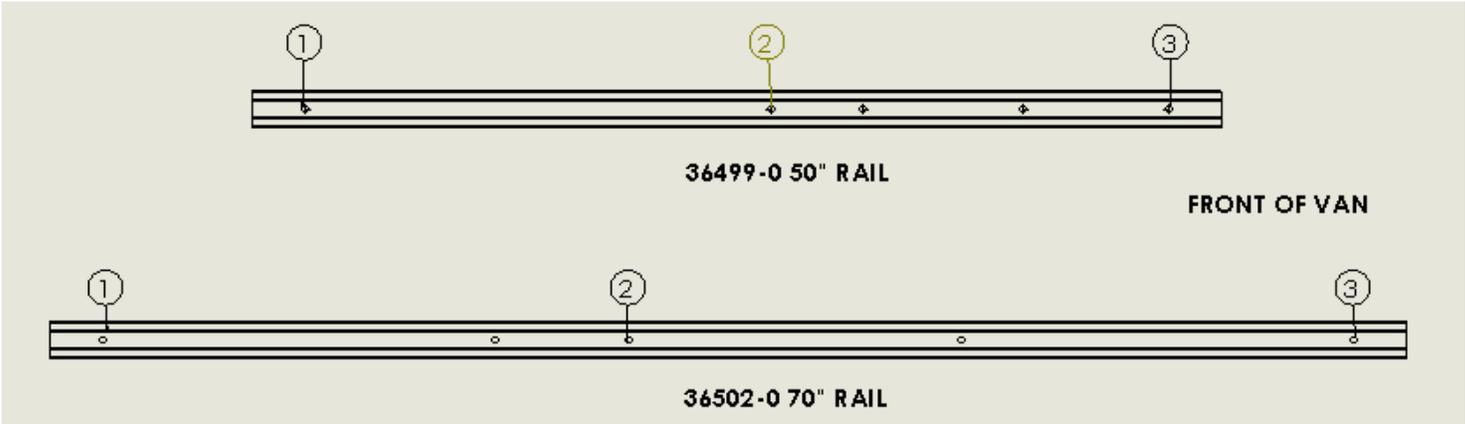


Step 2C



STEP – 03 **INSTALL CRUBSIDE FLOOR RAIL**

 <p>FAS0091 5/16" PLUSNUT (3) REQUIRED</p>	 <p>36499-0 50" RAIL LWB 36502-0 70" RAIL XLWB (1) REQUIRED</p>	 <p>FAS0708 5/16-18 X1.25 SHCS (3) REQUIRED TORQUE 17ft lbs.</p>	 <p>FAS0085 5/16 EXT TOOTH WASHER (3) REQUIRED</p>	 <p>03927-1 11/32 C/F 1006 SPACER (3) REQUIRED ONLY WHEN OEM MAT IS USED</p>
 <p>35335-0 SLIDE (2) REQUIRED</p>		 <p>36496-0 END CAP (2) REQUIRED</p>		



3. Slide rail so that it contacts wheel well as shown below. Measure 3.13" from the back end of the rail to the plastic trim, measure in the rear 11.25" to wall from outside edge of rail, front of rail 8.25" to wall from outside of rail as shown.

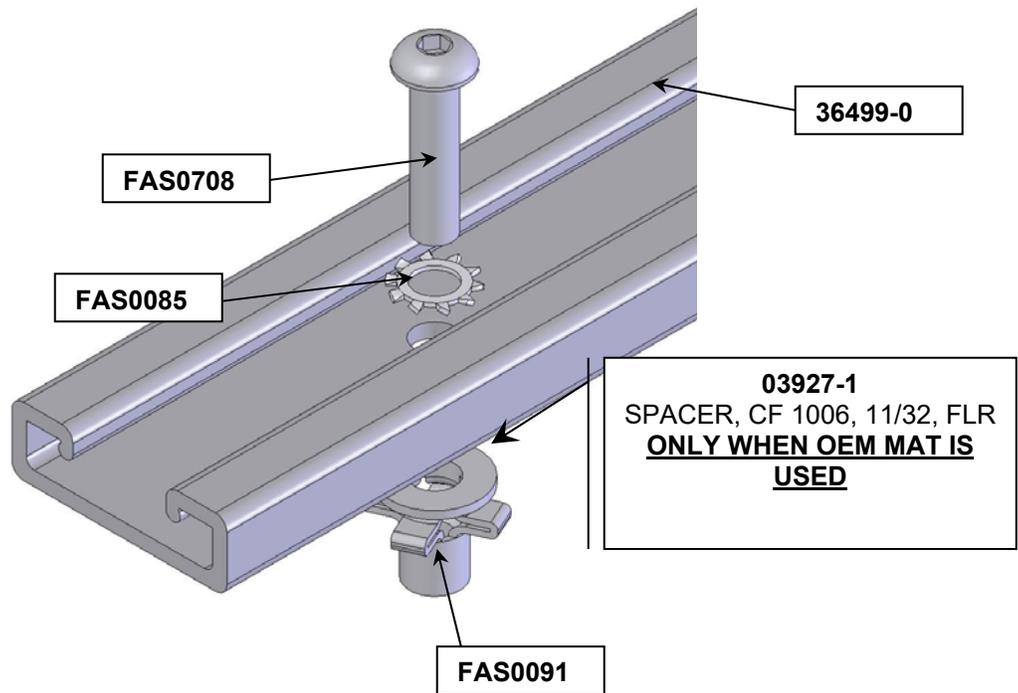


NOTE: VERIFY DISTANCE BETWEEN FLOOR RAILS IS 48" MINIMUM, OVER 48" IS ACCEPTABLE.

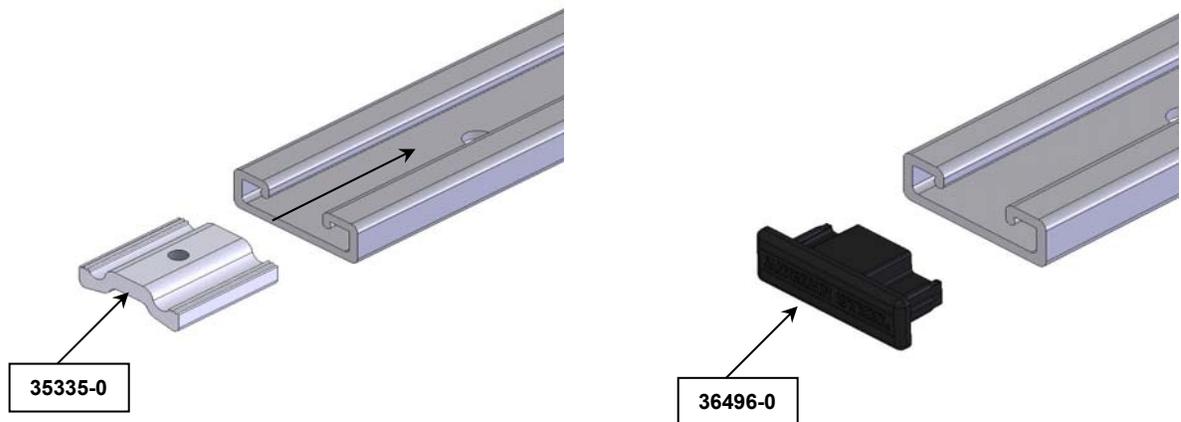
STEP – 03 INSTALL CURBSIDE FLOOR RAIL CONTINUED

4. Mark (3) holes, . Remove rail. Drill and set plusnuts.

5. Install rail using fasteners called out above



6. Insert (2) slides and (2) end caps into rail.



STEP - 04

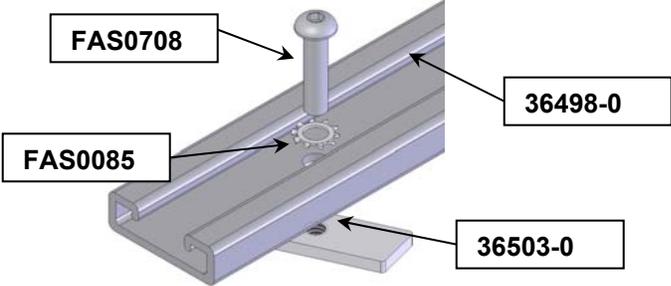
INSTALL STREETSIDE UPPER RAIL

 <p>FAS0091 5/16" PLUSNUT (1) REQUIRED</p>	 <p>36498-0 102" RAIL LWB 36501-0 122" RAIL XLWB (1) REQUIRED</p>	 <p>FAS0708 5/16-18 X1.25 (4) REQ LWB (5) REQ XLWB TORQUE 17ft lbs.</p>	 <p>FAS0085 5/16 EXT TOOTH WASHER (5) REQ LWB (6) REQ XLWB</p>	 <p>FAS0093 5/16-18 X 1.25 (1) REQUIRED TORQUE 17ft lbs.</p>	 <p>FAS0086 5/16 WASHER (1) REQUIRED</p>	 <p>36503-0 RETAINER BAR (4) REQ LWB (5) REQ XLWB</p>
 <p>36500-0 MOUNTING BRACKET (1) REQUIRED</p>			 <p>35335-0 SLIDE (5) REQUIRED</p>	 <p>FAS0165 5/16-18 X .625 (1) REQUIRED TORQUE 12ft lbs.</p>		

1. Locate hex hole in rear upper rear corner by removing wire holder. Drill and set plusnut.



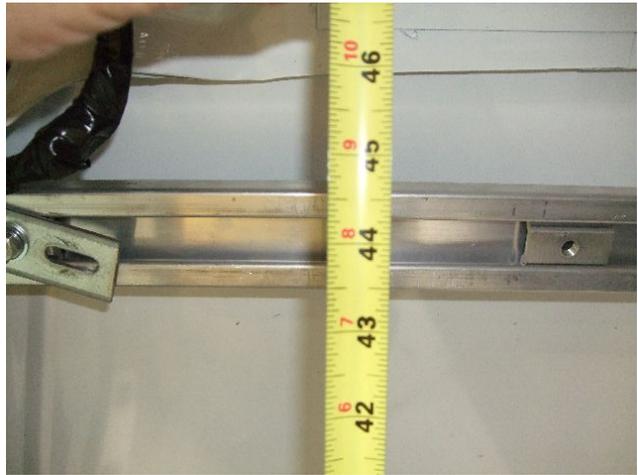
- Place retainer bars into the holes that match up with the (4) side ribs in LWB, and (5) side ribs in the XLWB.
- Install retainer bars to the rail using fasteners called out.



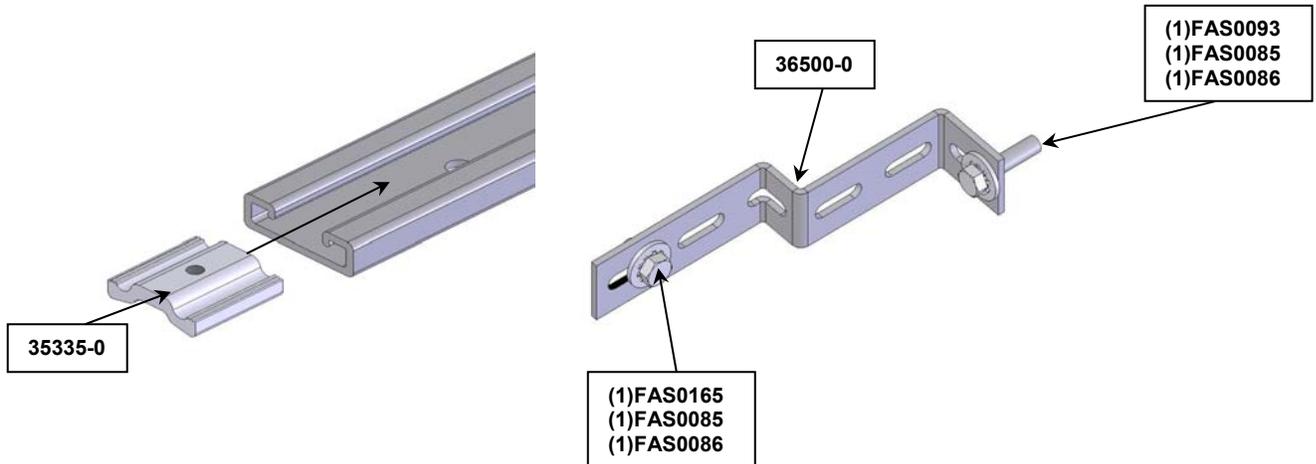
STEP - 04

INSTALL STREETSIDE UPPER RAIL CONTINUED

- Install rail onto street side of van by placing retainer bars into upper slots in ribs. Measure 44." to the center of the upper rail from the top of the floor rail in both the front and the rear. Tighten the all the retainer bar fasteners down checking the 44" measurement. The rail may need to be repositioned to be able to fasten the shelving units to the upper rail.



- Insert (5) slides into rail. Install mounting bracket in upper rear corner, using (1) slide to fasten the bracket to the upper rail as shown below. Secure O.E.M. harness to the bracket with a wire tie at the wire holder.



STEP – 05 **INSTALL CURBSIDE UPPER RAIL**

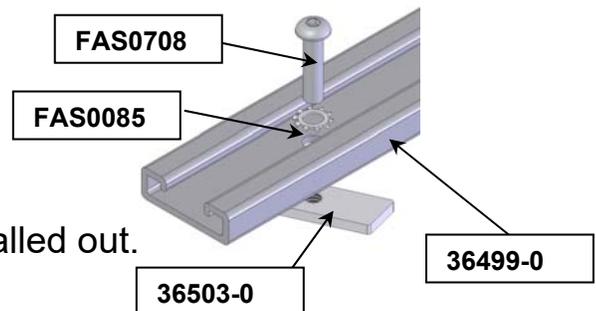
 FAS0091 5/16" PLUSNUT (2) REQUIRED	 36499-0 50" RAIL LWB 36502-0 70" RAIL XLWB (1) REQUIRED	 FAS0708 5/16-18 X1.25 (1)REQ LWB (2)REQ XLWB TORQUE 17ft lbs.	 FAS0085 5/16 EXT TOOTH WASHER (5) REQ LWB (6)REQ XLWB	 FAS0093 5/16-18 X 1.25 (2) REQUIRED TORQUE 17ft lbs.	 FAS0086 5/16 WASHER (3) REQUIRED	 36503-0 RETAINER BAR (1)REQ LWB (2)REQ XLWB
 36500-0 MOUNTING BRACKET (1) REQUIRED		 03961-1 MOUNTING BRACKET (1) REQUIRED	 35335-0 SLIDE (3) REQUIRED	 FAS0165 5/16-18 X .625 (2) REQUIRED TORQUE 12ft lbs.	 FAS0135 5/16-18 NUT (1) REQUIRED	

1. Locate hex hole in rear upper rear corner by removing wire holder. Drill and set plusnut. On rear side of the C-pillar measure up 44" from the top of the floor rail mark and drill for plusnut. Install plusnut as shown below



Picture used for reference only

2. Place retainer bar into the hole(s) that match up with rib(s).

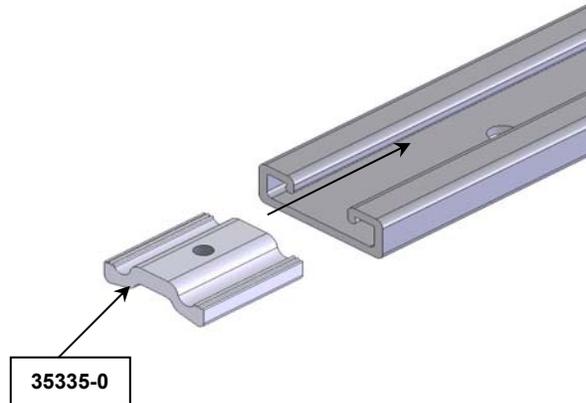
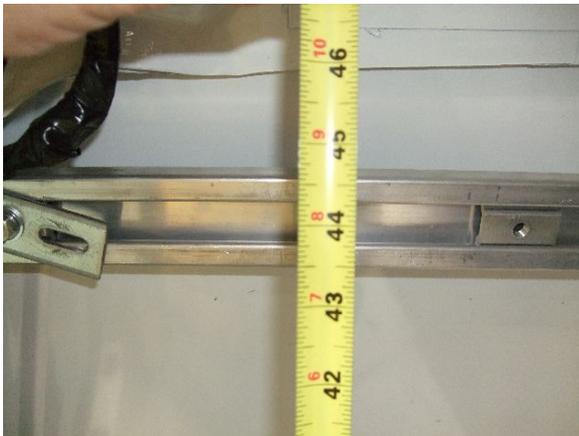


Install retainer bar to the rail using fasteners called out.

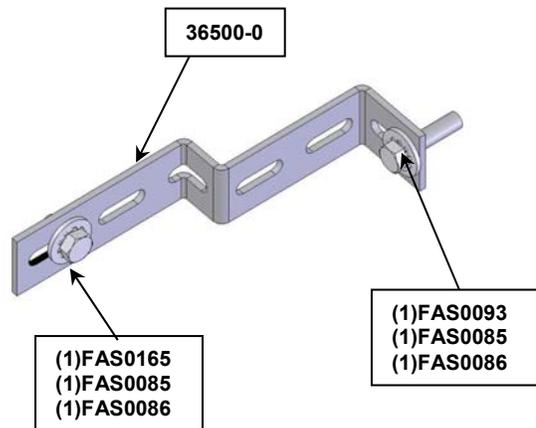
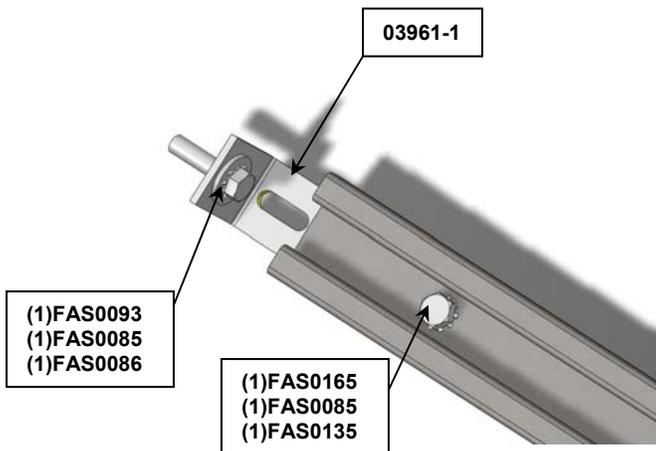
STEP - 05

INSTALL CURBSIDE UPPER RAIL CONTINUED

3. Install rail onto curbside of van by placing retainer bar into upper slot in rib. Measure 44." to the center of the upper rail from the top of the floor rail in both the front and the rear. Tighten the (1) retainer bar fastener down checking the 44" measurement. The rail may need to be repositioned to be able to fasten the shelving unit to the upper rail. Insert (3) slides into rail.



4. Install Front and rear brackets as shown below. The front bracket is attached to the rail with nut and bolt. The rear bracket is installed the same as the streetside. Secure O.E.M. harness to the bracket with a wire tie at the wire holder.



GM LEFT HAND DOOR STREETSIDE RAIL INSTALL SUPPLEMENT

STEP – 05

INSTALL STREETSIDE FLOOR RAIL IN LEFT HAND DOOR VAN

1. To install this rail see STEP 3. The install exactly the same as the curbside floor rail.

STEP – 06

INSTALL STREETSIDE UPPER RAIL IN LEFT HAND DOOR VAN

 FAS0091 5/16" PLUSNUT (7) REQUIRED	 36499-0 50" RAIL LWB (1) REQUIRED	 FAS0708 5/16-18 X1.25 (1) REQUIRED TORQUE 17ft lbs.	 FAS0085 5/16 EXT TOOTH WASHER (9) REQUIRED	 FAS0093 5/16-18 X 1.25 (6) REQUIRED TORQUE 17ft lbs.	 FAS0086 5/16 WASHER (7) REQUIRED
 36500-0 MOUNTING BRACKET (1) REQUIRED	 03961-0 MOUNTING BRACKET (1) REQUIRED	 35335-0 SLIDE (3) REQUIRED	 FAS0165 5/16-18 X .625 (2) REQUIRED TORQUE 12ft lbs.	 FAS0135 5/16-18 NUT (1) REQUIRED	 28345-0 AUX BODY POST (1) REQUIRED

1. Locate hex hole in rear upper rear corner by removing wire holder. Drill and set plusnut. On rear side of the C-pillar measure up 44" from the top of the floor rail mark and drill for plusnut. Install plusnut as shown below.

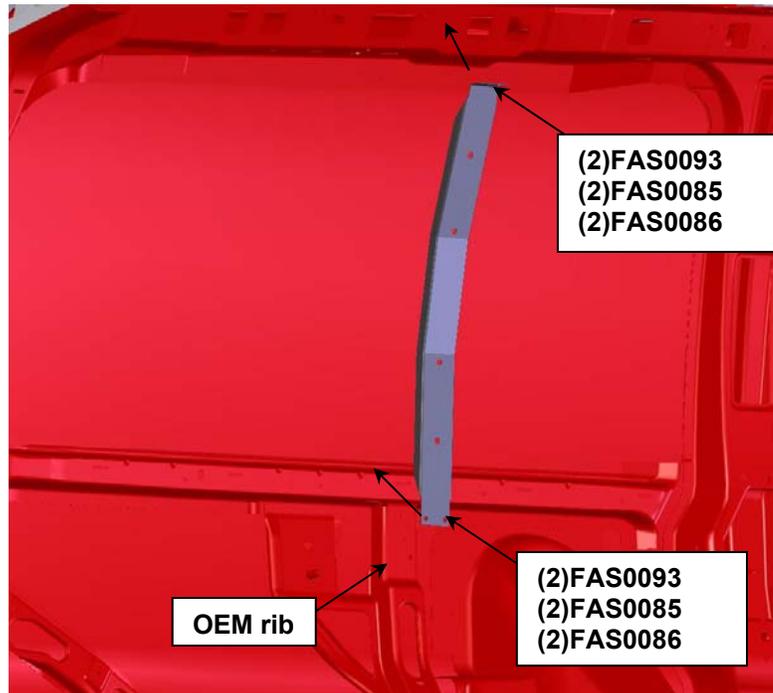


Picture used for reference only

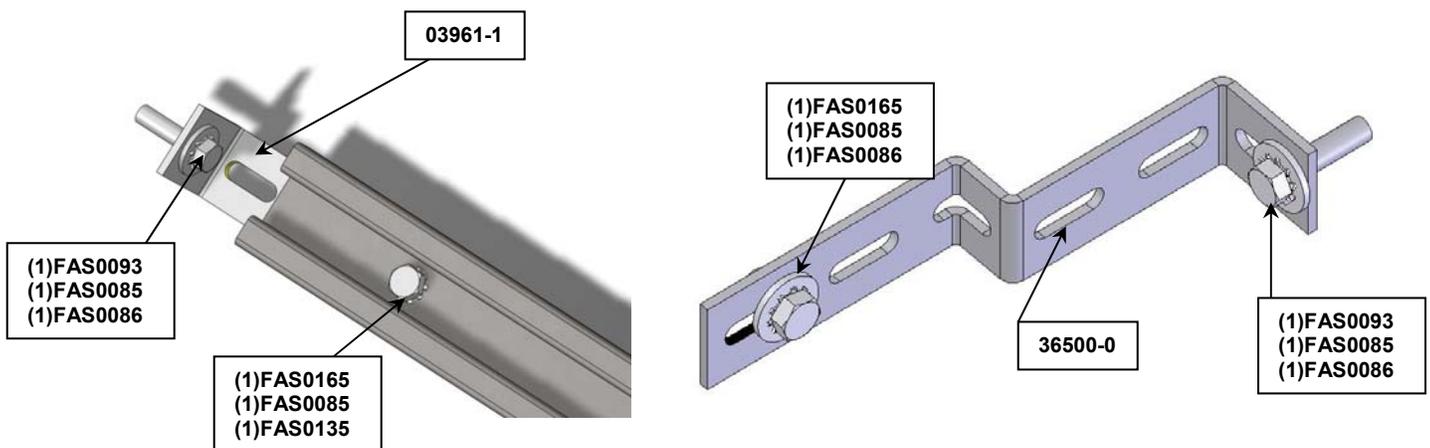
STEP - 06

INSTALL STREETSIDE UPPER RAIL CONTINUED

2. Install of AUX body post on streetside of van. Place body post so that it is inline with the rib over the wheel well. Mark the (4) holes in the top and bottom of the AUX body post. Drill and set plusnuts. Install AUX body post.



3. Install Front and rear brackets with rail as shown below. The front bracket is attached to the rail with nut and bolt. The rear bracket is installed the same as the streetside.

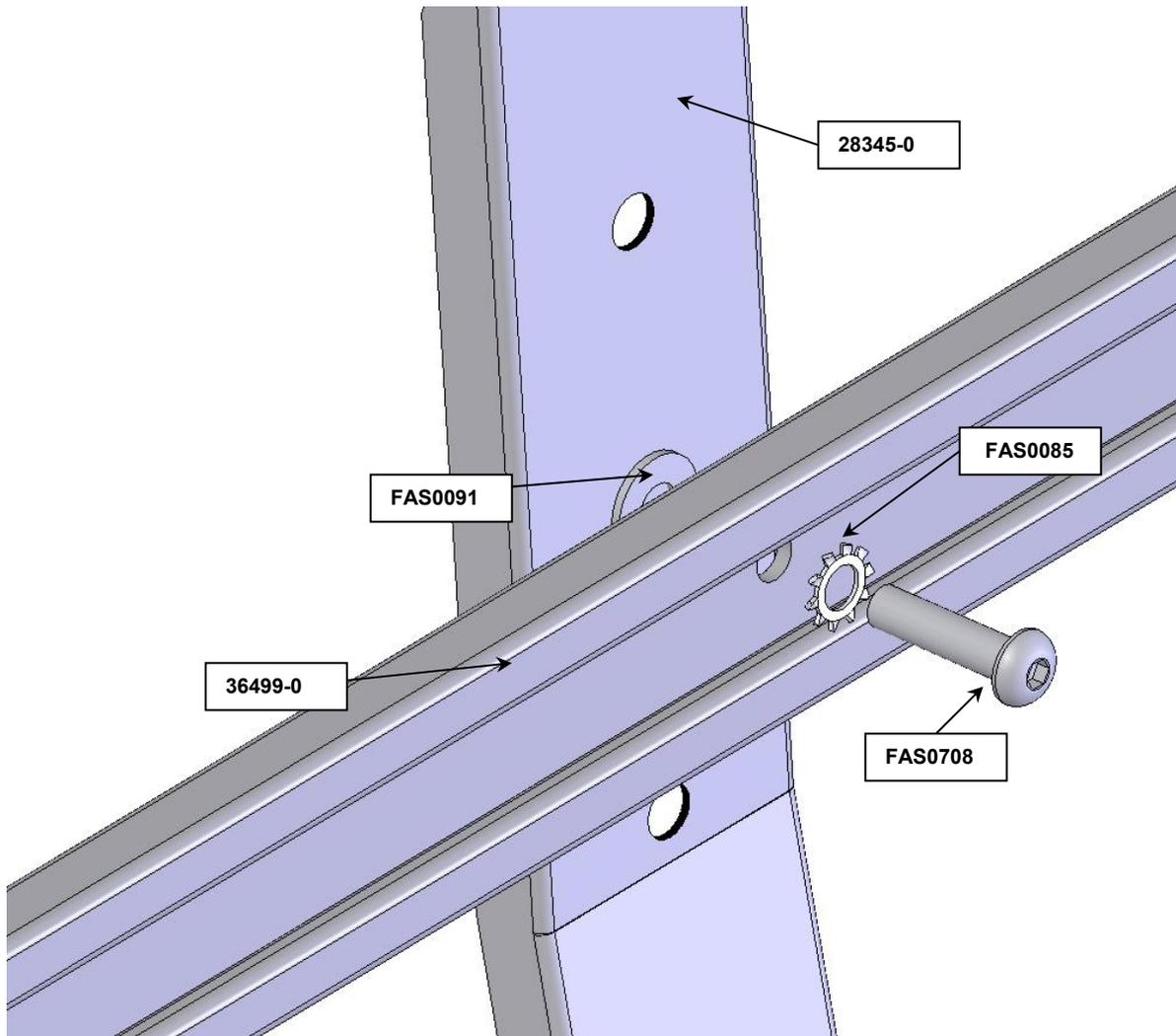




STEP – 06

INSTALL STREETSIDE UPPER RAIL CONTINUED

Using hole located in rail that corresponds to the AUX body post, drill ½” hole and install plusnut. Fasten rail to AUX body post using fasteners shown below.



DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE SURE THAT ALL FASTENERS ARE TIGHTENED TO SPECIFICATIONS!



YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCE!