



**ADRIAN STEEL®**

Cargo Management Solutions for Commercial Vehicles

# AD SERIES RAIL SYSTEM INSTALL INSTRUCTIONS

P.N.: 36568-0

ISSUE: D

CHK.BY:

REV.BY: BTS

DWG.BY: BTS

DATE: 05/25/10

ECN-13014



**RKFSVFD**

RAIL KIT, FSV, FORD, STANDARD LENGTH

ADRIAN STEEL COMPANY • 906 JAMES ST. • ADRIAN, MI. 49221 • (517) 265-6194

## 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.**



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

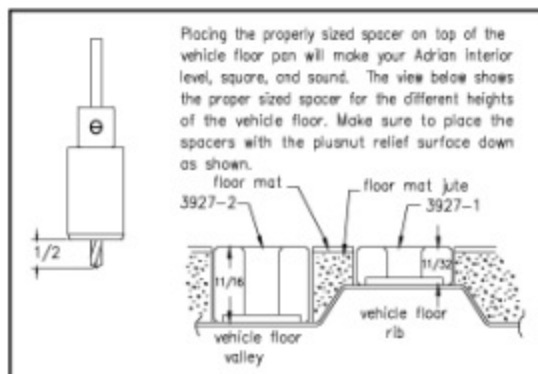


## FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

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.



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.

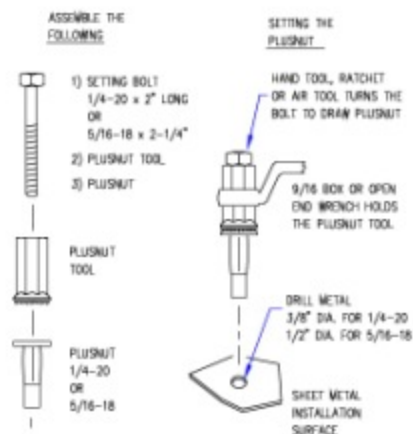
**STOP**

**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.**








**STOP**

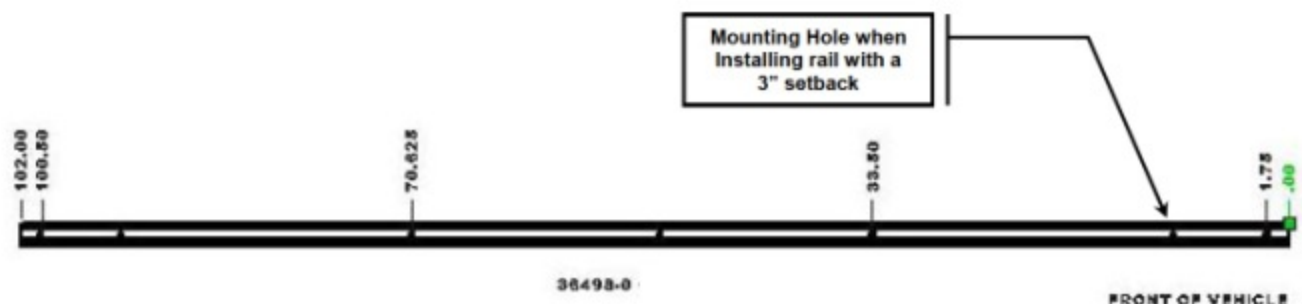
Using 1/2" drill bit with drill stop drill holes at the marks you made in the van floor.

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



## STEP 01: INSTALL STREET (DRIVER'S) SIDE FLOOR RAIL

 <b>21166-0</b> WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 4	 <b>36498-0</b> 102" RAIL LWB (RKFSVFD) Qty = 1	 <b>FAS0708</b> SCREW, BHCS, 5/16-18 X 1.25" Qty = 4 TORQUE 17ft lbs.	 <b>03927-1</b> SPACER, CF 1006, 11/32", FLOOR Qty = 4	 <b>FAS0248</b> NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 4	 <b>35335-0</b> SLIDE Qty = 4	 <b>36496-0</b> END CAP Qty = 1
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Orientate the 102" long rail on vehicle floor as shown above (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 10.625 to wall from outside edge of rail as shown. Measure in the front 10.00 to wall from outside of rail as shown. Mark the four holes identified above on vehicle floor and/or floor mat, remove rail and set aside at this time. Drill a 11/32" diameter thru hole at each marked hole location, de burr and apply self etching prime to each hole.

Reposition street side floor rail (102") over drilled holes and secure with fasteners listed above. Note if your FSV is equipped with a OEM install floor mat you will need to install the floor spaces as shown.

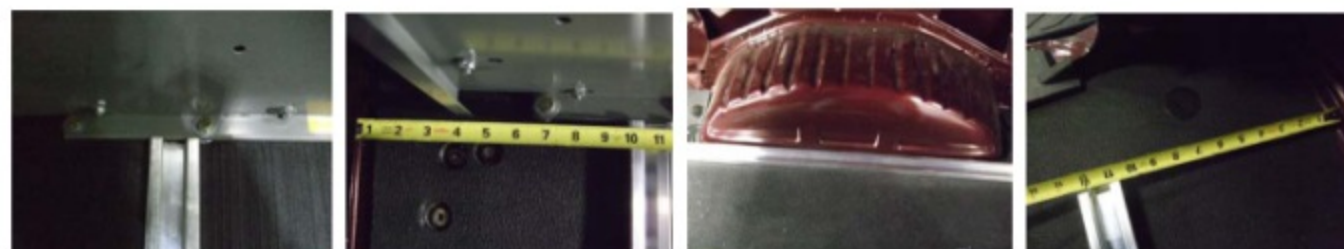
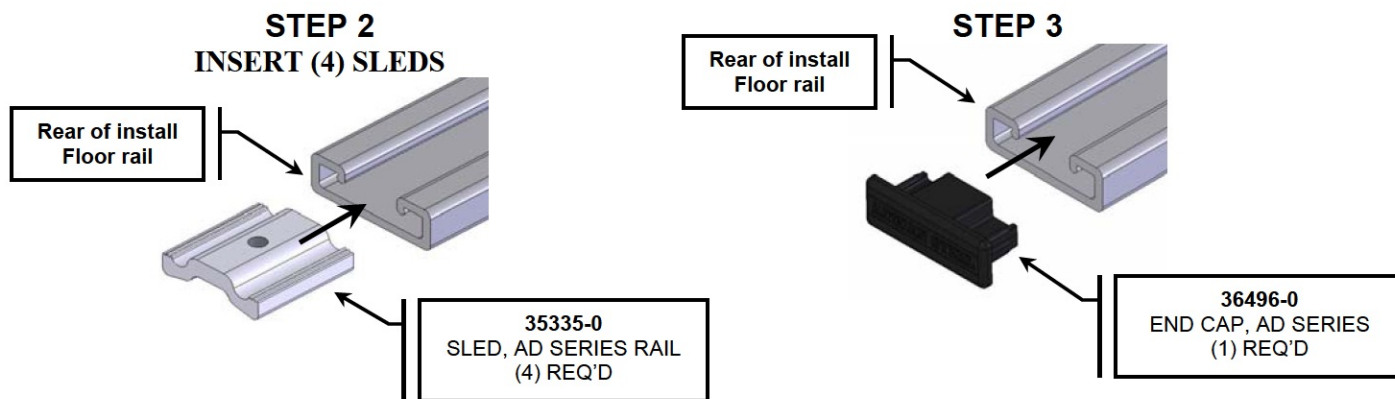
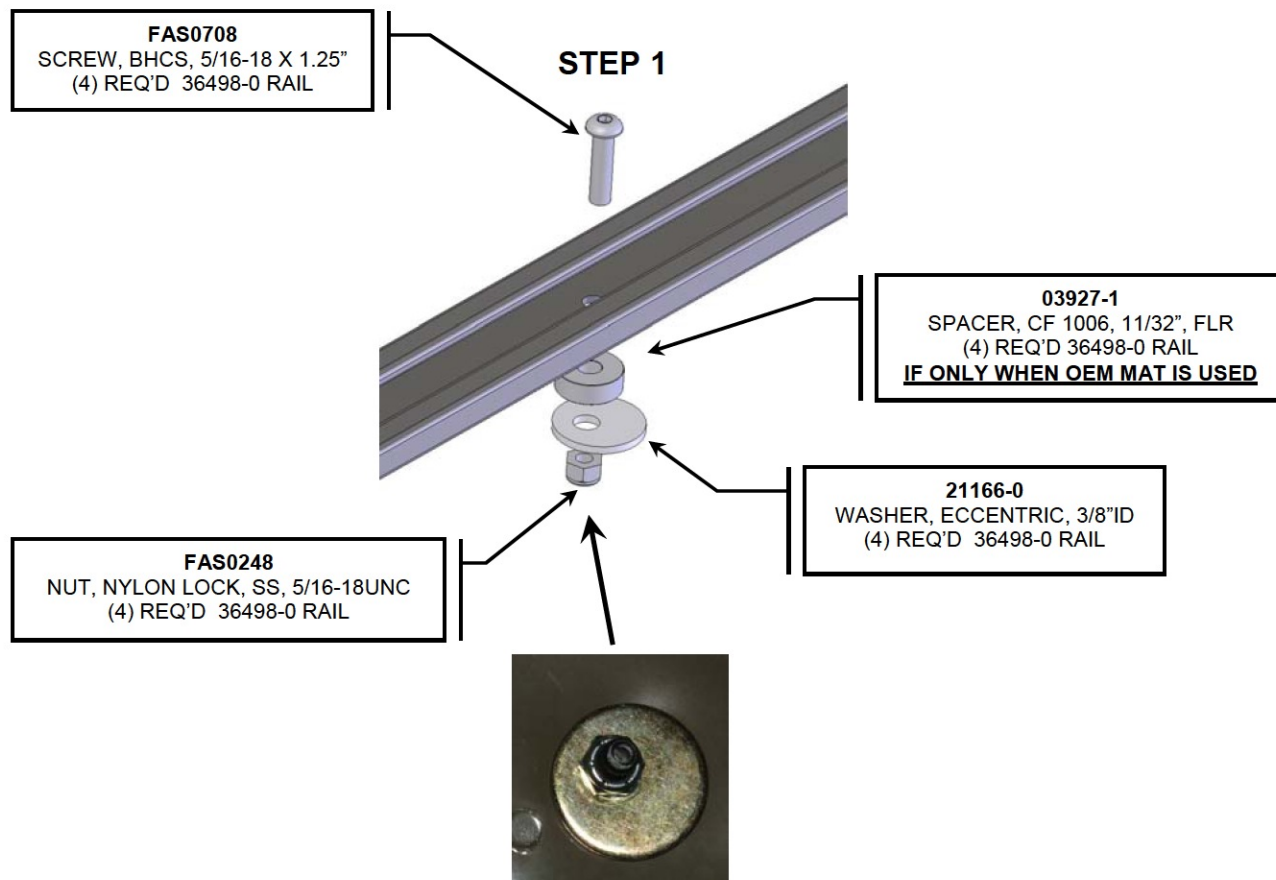


Figure 2

### Note:








If partition has a 3" setback, cut 3" off the extruded aluminum rail that contacts the partition floor rail. Securing the rail will then use the hole identified in Figure 1

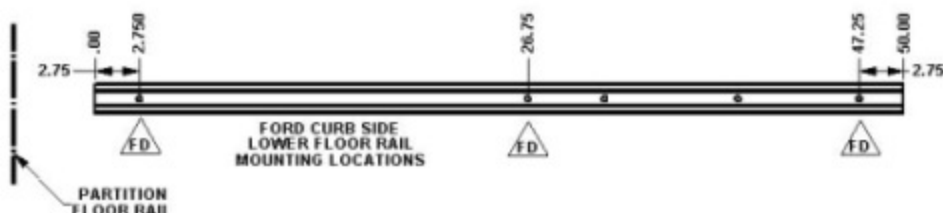
## STEP 02: INSTALL STREET (DRIVER'S) SIDE FLOOR RAIL (continued)





### STEP 03: INSTALL CURB (PASSENGER'S) SIDE FLOOR RAIL

 <b>21166-0</b> WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 3	 <b>36499-0</b> 50" RAIL LWB (RKFSVFD) Qty = 1	 <b>FAS0708</b> SCREW, BHCS, 5/16-18 X 1.25" Qty = 3 TORQUE 17ft lbs.	 <b>03927-1</b> SPACER, CF 1006, 11/32", FLOOR Qty = 3	 <b>FAS0248</b> NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 3	 <b>35335-0</b> SLIDE Qty = 2	 <b>36496-0</b> END CAP Qty = 2
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**Figure 3**

Orientate the 50" long rail on vehicle floor as shown above (partition previously installed) and position as follows, slide rail so that it contacts wheel well as shown below. Measure 12" from the back end of the rail to the metal flange as shown. Measure in the rear 9.5" to wall from outside edge of rail. Measure in the front 9.375" to wall from outside of rail as shown.

Mark the three holes marked (FD) on vehicle floor and/or floor mat, remove rail and set aside at this time. Drill a 11/32" diameter thru hole at each marked hole location, de burr and apply self etching primer to each hole.

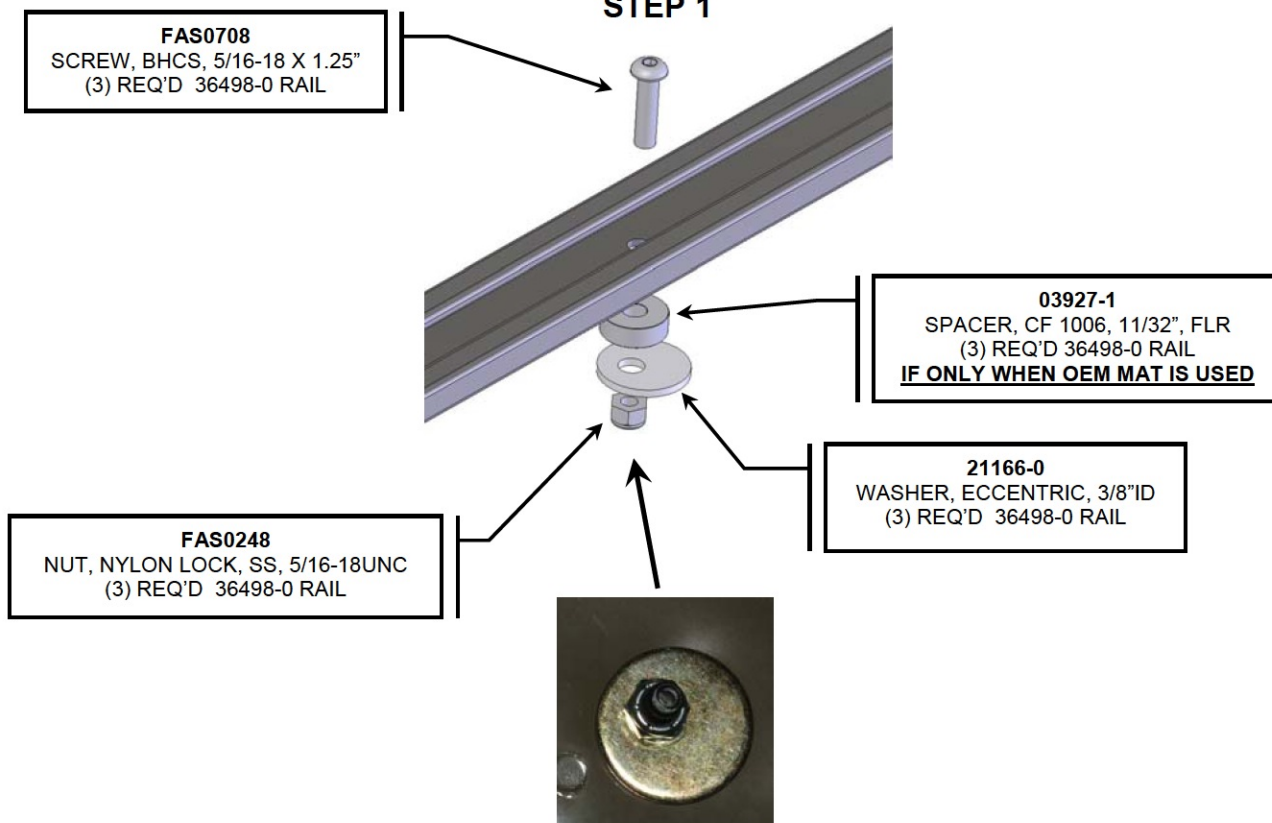
Reposition street side floor rail (50") over drilled holes and secure with fasteners listed below. Note if your FSV is equipped with a OEM install floor mat you will need to install the floor spaces as shown below.



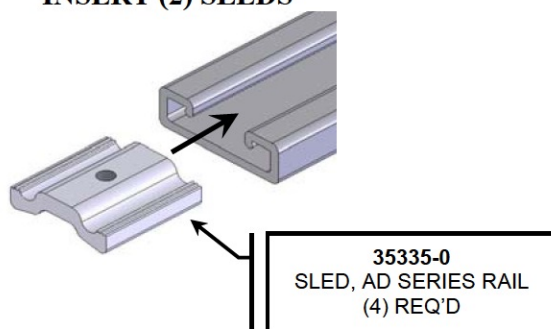
**Figure 4**

## STEP 03: INSTALL CURB (PASSENGER'S) SIDE FLOOR RAIL (continued)

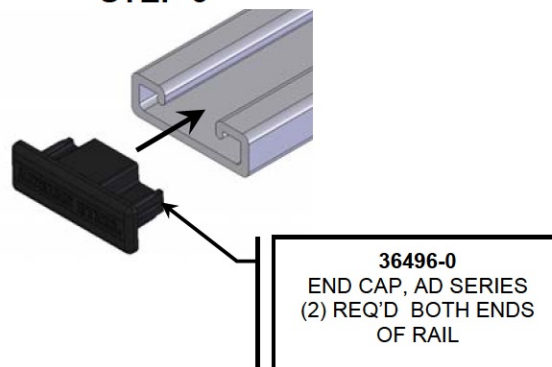
### STEP 1



### STEP 2 INSERT (2) SLEDS



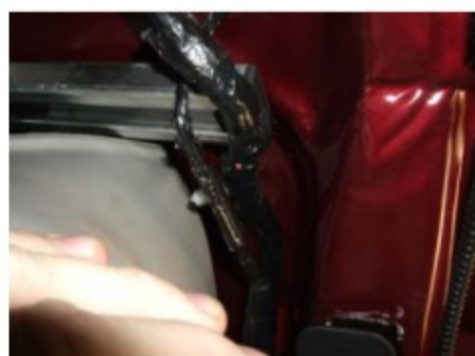
### STEP 3



## STEP 04: INSTALL STREET (DRIVER'S) UPPER SIDE WALL RAIL

 <b>21166-0</b> WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 1	 <b>36498-0</b> 102" RAIL LWB (RKFSVFD) Qty = 1	 <b>FAS0708</b> SCREW, BHCS, 5/16-18 X 1.25" Qty = 6 TORQUE 17ft lbs.	 <b>FAS0085</b> 5/16 EXT TOOTH WASHER (5) REQUIRED	
 <b>FAS0091</b> 5/16" PLUSNUT (5) REQUIRED	 <b>FAS0248</b> NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 1	 <b>35335-0</b> SLIDE Qty = 4	 <b>36496-0</b> END CAP Qty = 2	 <b>37066-0</b> BRKT, RAIL REINFORCEMENT Qty = 1

Install end cap on front end of rail before placing in vehicle. Pull back top part of b-pillar trim on driver side and remove xmas tree holding wire loom to rear side of B-pillar. When positioning rail make sure to move the wiring harness so that it does not get pinched by the rail (as shown).



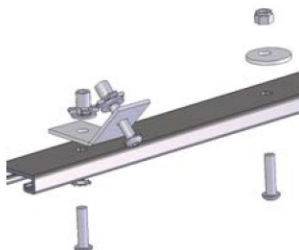
Orientate the 102" long rail and 37066-0 bracket positioned at the 101.50" hole between the rail and vehicle as shown in STEP 1 on vehicle street side window well header as shown below (partition previously installed). Mark the (5) holes marked (FD), and (1) upper hole in bracket on vehicle side wall window header, remove rail/bracket and set aside at this time. Drill holes, de burr and apply self etching primer to each hole, and set plusnuts at the 9.25", 33.50", 70.63" and 100.50", and upper hole bracket locations. The remaining hole at the 94.00" location will be thru bolt installation with access for the eccentric washer and lock nut in an existing OEM hole in the header rail. Reposition the street side 102" rail and bracket over drilled holes and secure with fasteners listed above.



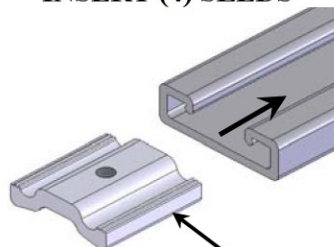
## STEP 04: INSTALL STREET (DRIVER'S) UPPER SIDE WALL RAIL (continued)



### STEP 1 INSTALL REAR BRACKET AND FASTENERS

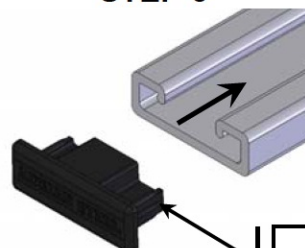


### STEP 2 INSERT (4) SLEDS



**35335-0**  
SLED, AD SERIES RAIL  
(4) REQ'D

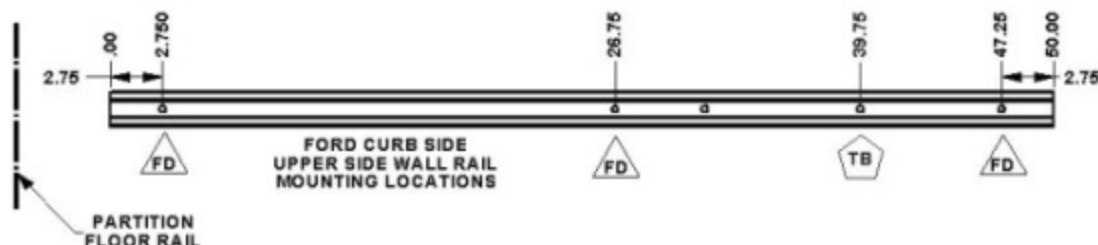
### STEP 3



**36496-0**  
END CAP, AD SERIES  
(2) REQ'D BOTH ENDS  
OF RAIL

## STEP – 05 INSTALL CURBSIDE UPPER RAIL

 <b>21166-0</b> WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 1	 <b>36499-0</b> 50" RAIL LWB (RKFSVFD) Qty = 1	 <b>FAS0708</b> SCREW, BHCS, 5/16-18 X 1.25" Qty = 5 TORQUE 17ft lbs.	 <b>FAS0085</b> 5/16 EXT TOOTH WASHER (4) REQUIRED
 <b>FAS0091</b> 5/16" PLUSNUT (4) REQUIRED	 <b>FAS0248</b> NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 1	 <b>35335-0</b> SLIDE Qty = 2	 <b>36496-0</b> END CAP Qty = 2
			 <b>37066-0</b> BRKT, RAIL REINFORCEMENT Qty = 1

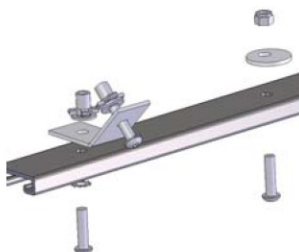


Orientate the 50" long rail and 37066-0 bracket positioned at the 47.25" hole between the rail and vehicle as shown in STEP 1 below on vehicle curb side window well header as shown below. Mark the (4) holes marked (FD), and (1) upper hole in bracket on vehicle side wall window header, remove rail/bracket and set aside at this time. Drill holes, de burr and apply self etching primer to each hole, and set plusnuts at the 2.75", 26.75", 47.25", and upper hole bracket locations. The remaining hole at the 39.75" location will be thru bolt installation with access for the eccentric washer and lock nut in an existing OEM hole in the header rail. Reposition the curb side 50" rail and bracket over drilled holes and secure with fasteners listed above.

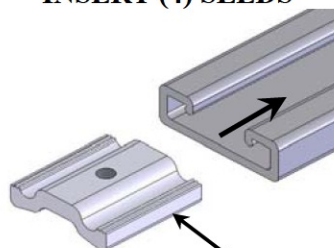
## STEP – 05 INSTALL CURBSIDE UPPER RAIL (continued)



### STEP 1 INSTALL REAR BRACKET AND FASTENERS

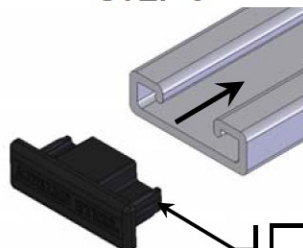


### STEP 2 INSERT (4) SLEDS



**35335-0**  
SLED, AD SERIES RAIL  
(2) REQ'D






### STEP 3



**36496-0**  
END CAP, AD SERIES  
(2) REQ'D BOTH ENDS  
OF RAIL



## STEP – 06 INSTALL BRACKETS ONTO STREETSIDE AND CURBSIDE UPPER RAIL

 <b>36782-0</b> <b>REAR MOUNTING</b> <b>BRACKET</b> <b>(2) REQUIRED</b>	 <b>36783-0</b> <b>FRONT MOUNTING</b> <b>BRACKET</b> <b>(4) REQUIRED</b>	 <b>FAS0085</b> <b>5/16 EXT TOOTH</b> <b>WASHER</b> <b>(6) REQUIRED</b>	 <b>FAS0093</b> <b>5/16-18 X .625</b> <b>(6) REQUIRED</b> <b>TORQUE 12ft lbs.</b>	 <b>FAS0086</b> <b>5/16 WASHER</b> <b>(6) REQUIRED</b>
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1. Install the brackets onto the (6) slides in the upper rails as shown below. Using the fasteners specified above.



**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!**