

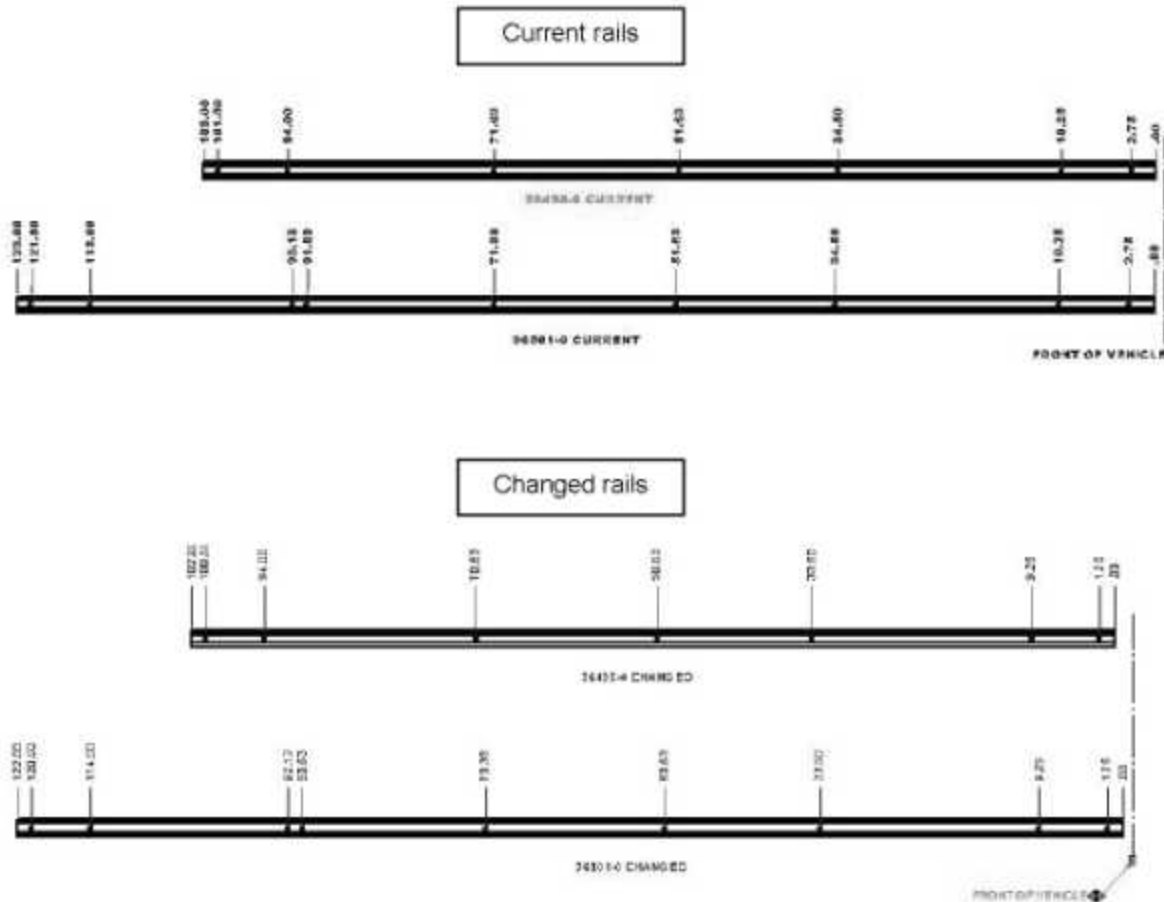
NOTICE OF ENGINEERING CHANGE

This is to notify installer, distributor and end customer of product changes. Parts of the rail kit may not match the product dimensions stated in the assembly/install instructions. We are currently processing an engineering change to shorten the rail part numbers listed below. This change is to improve product interaction.

Parts affected by ECN(engineering change notice) are P/N 36498-0 and 36501-0

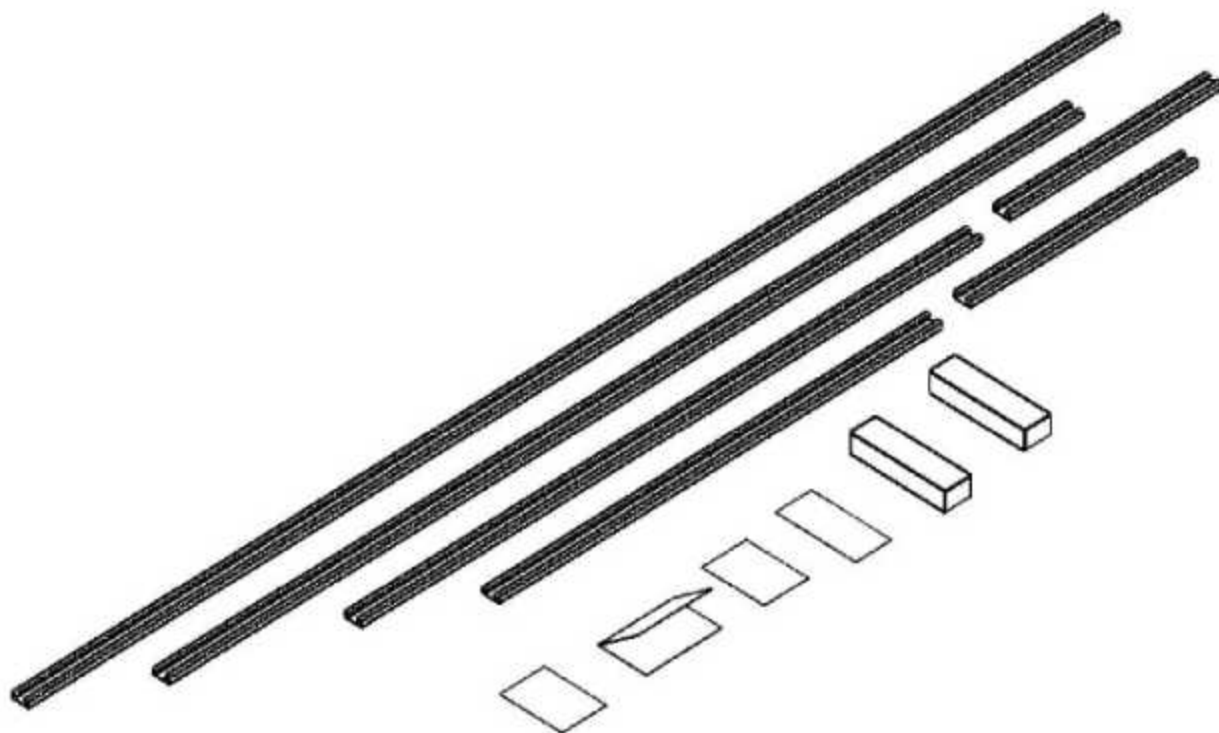
36498-0 may be 103 inches instead of the 102 inches called out in the instructions. This part can be cut down to 102 to install the rail as described in the instructions. If the rail does not get cut down, install the rail so that it overlaps the partition floor rail by 1 inch.

36501-0 may be 123 inches instead of the 122 inches called out in the instructions. This part can be cut down to 122 to install the rail as described in the instructions. If the rail does not get cut down, install the rail so that it overlaps the partition floor rail by 1 inch.



AD SERIES RAIL SYSTEM INSTALL INSTRUCTIONS

ECN-13004 DATE: 05-04-10 DWG.BY: BTS REV.BY: BTS CHK.BY: ISSUE: C P.N.: 37133-0



RKFSVXLFD

RAIL KIT, FSV, FORD, EXTENDED LENGTH

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 11/32 DRILL BIT, 25' TAPE MEASURE
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 <i>(with stop)</i>
5/16-18 PLUSNUT, FAS0091 	1/2" DIAMETER

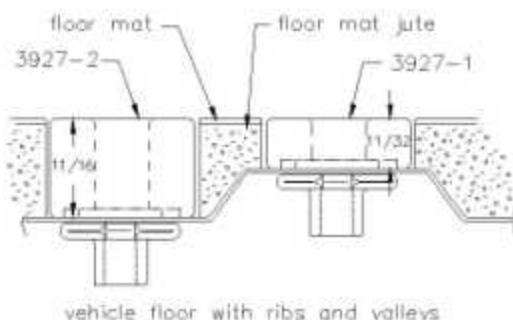
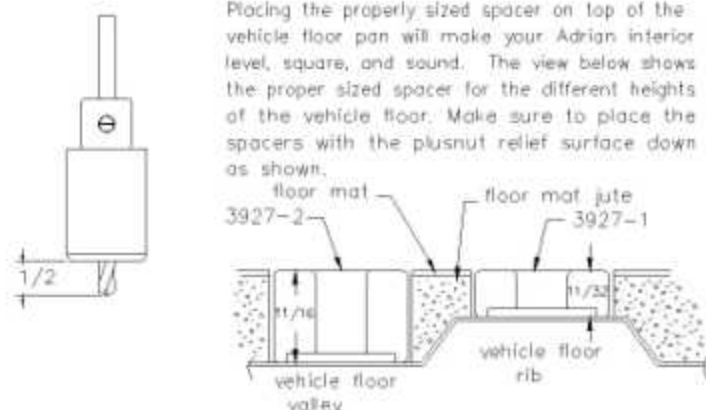
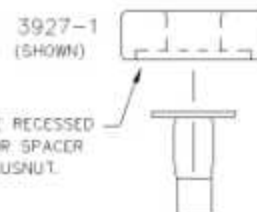
FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

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.

Spacer Use and Installation



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.

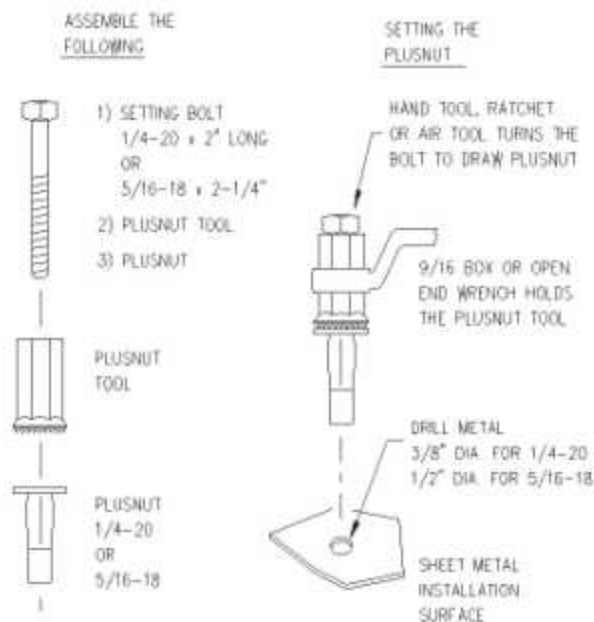
STOP

STEP 01: VEHICLE PREPARATION, FLOOR MOUNTING LOCATIONS

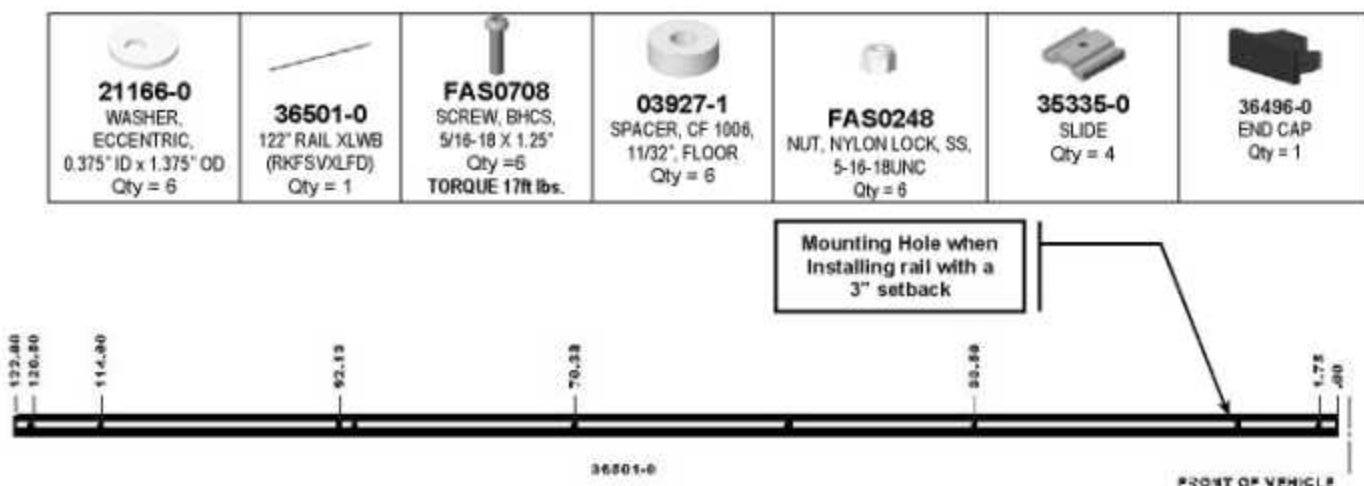
 03927-1 11/32 C/F 1006 SPACER (5) REQUIRED ONLY WHEN OEM MAT IS USED	 FAS0091 5/16" PLUSNUT (5) REQUIRED	 22200-0 PLUSNUT TOOL NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291-0
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Using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

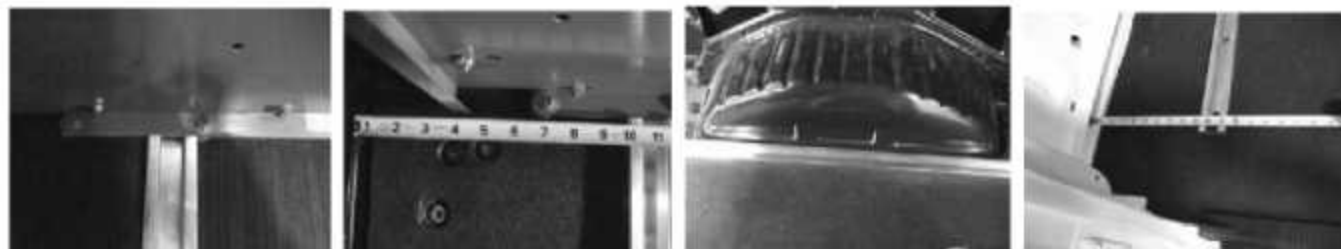


STEP 02: INSTALL STREET (DRIVER'S) SIDE FLOOR RAIL



Orientate the 122" 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 9.75 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 six 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 as required.

Reposition street side floor rail 122" over drilled holes and secure with fasteners listed above. Note if your FSV is equipped with an OEM install floor mat you will need to install the floor spaces as shown.



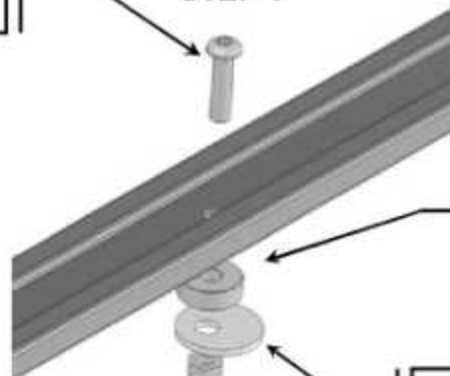
Note:

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 above.

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

FAS0708
SCREW, BHCS, 5/16-18 X 1.25"
(6) REQ'D 36498-0 RAIL

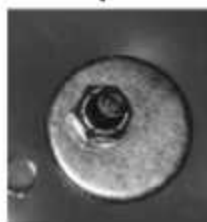
STEP 1



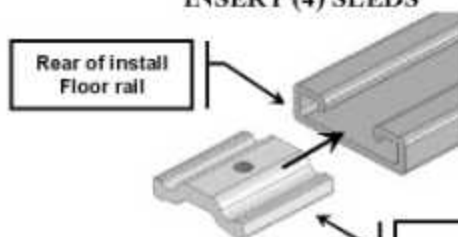
03927-1
SPACER, CF 1006, 11/32", FLR
(6) REQ'D 36498-0 RAIL
IF ONLY WHEN OEM MAT IS USED

21166-0
WASHER, ECCENTRIC, 3/8"ID
(6) REQ'D 36498-0 RAIL

FAS0248
NUT, NYLON LOCK, SS, 5/16-18UNC
(6) REQ'D 36498-0 RAIL



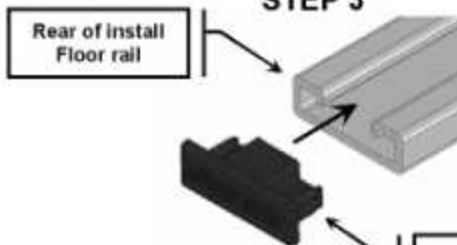
STEP 2
INSERT (4) SLEDS



Rear of install
Floor rail

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

STEP 3



Rear of install
Floor rail

36496-0
END CAP, AD SERIES
(1) REQ'D

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

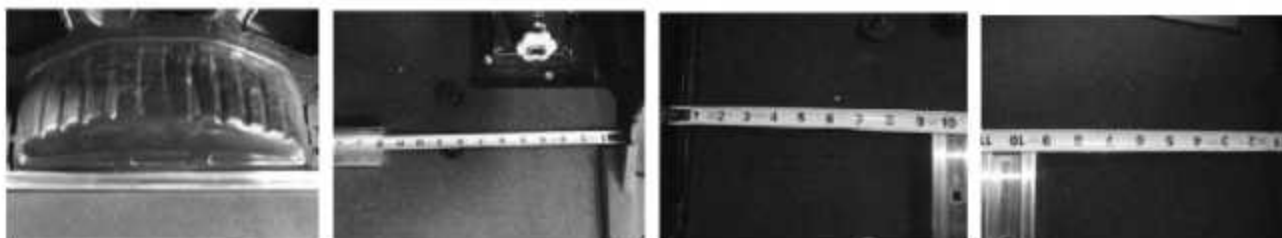
 21166-0 WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 4	 36502-0 70" RAIL LWB (RKFSVFD) Qty = 1	 FAS0708 SCREW, BHCS, 5/16-18 X 1.25" Qty = 4 TORQUE 17ft lbs.	 03927-1 SPACER, CF 1006, 11/32", FLOOR Qty = 4	 FAS0248 NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 4	 35335-0 SLIDE Qty = 2	 36496-0 END CAP Qty = 2
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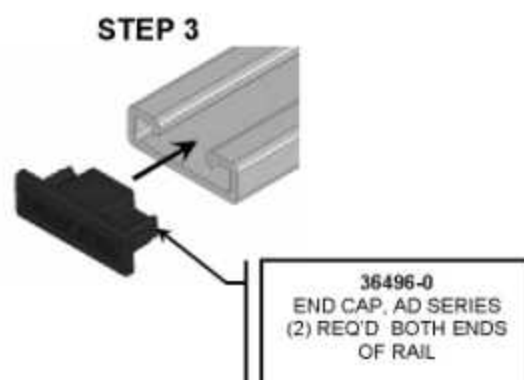
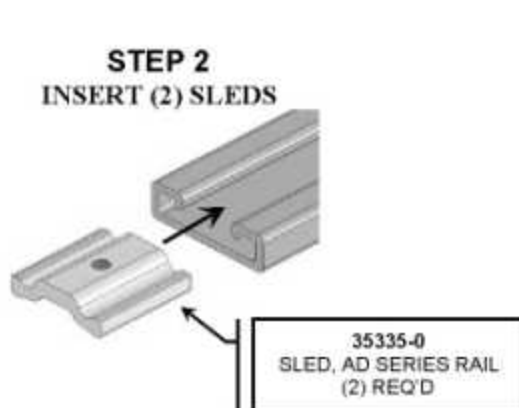
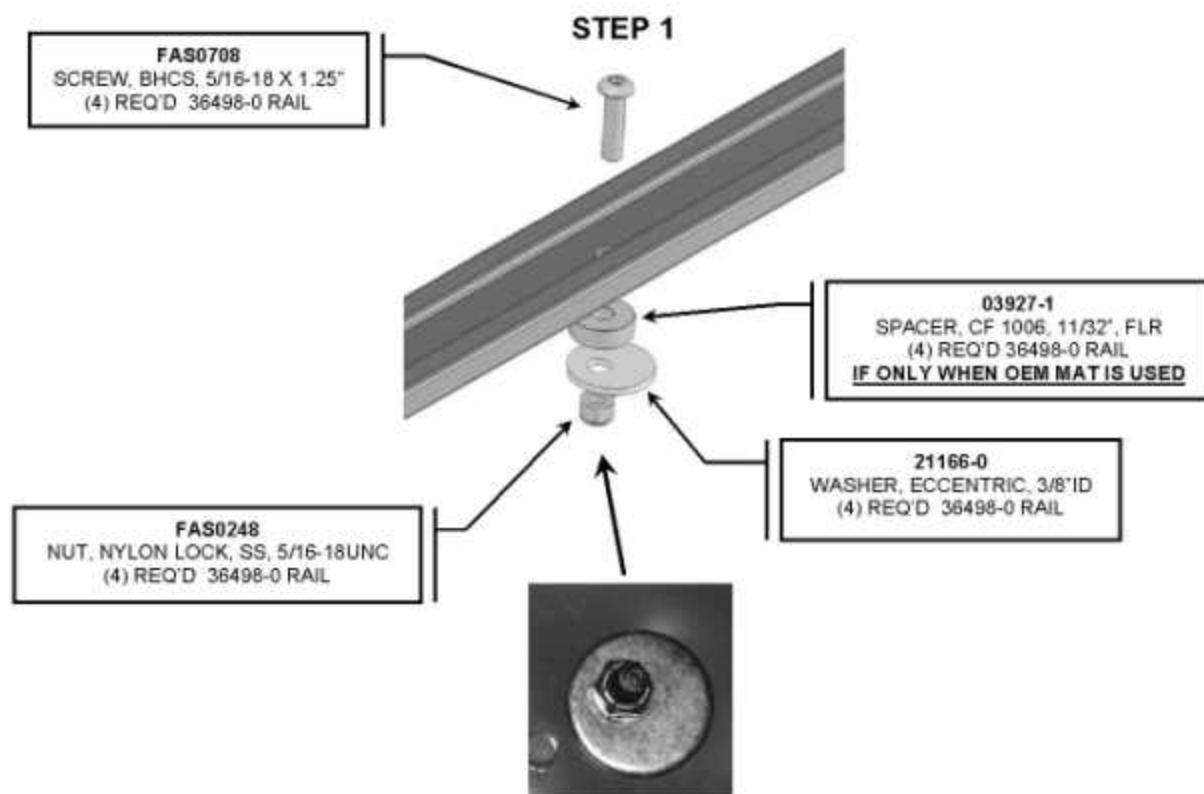
Orientate the 70" long rail on vehicle floor as shown above (partition previously installed) and position as follows, slide rail so that it contacts wheel well as shown below. Measure 12" from the back end of the rail to the metal flange as shown. Measure in the rear 9.5" to wall from outside edge of rail. Measure in the front 9.375" to wall from outside of rail as shown.

Mark the four 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 as required.

Reposition street side floor rail 70" over drilled holes and secure with fasteners listed below. Note if your FSV is equipped with an OEM install floor mat you will need to install the floor spaces as shown below.



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



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

 21166-0 WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 1	 36498-0 102" RAIL LWB (RKFSVFD) Qty = 1	 FAS0708 SCREW, BHCS, 5/16-18 X 1.25" Qty = 7 TORQUE 17ft lbs.	 37121-0 24" RAIL STREETSIDE Qty = 1	 FAS0085 5/16 EXT TOOTH WASHER Qty = 7	 37123-0 REAR SS BRKT, RAIL Qty = 1
 FAS0091 5/16" PLUSNUT Qty = 7	 FAS0248 NUT, NYLOCK 5-16-18UNC Qty = 2	 35335-0 SLIDE Qty = 4	 36496-0 END CAP Qty = 3	 37066-0 BRKT, RAIL REINFORCEMENT Qty = 1	 FAS0093 5/16-18 X .625 Qty = 1 TORQUE 12ft lbs.

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).

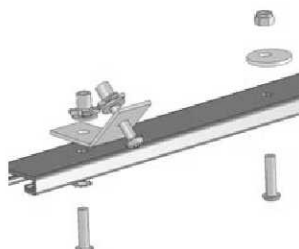


Orientate the 102" long rail and 37066-0 bracket positioned at the 101.50" hole between the rail and vehicle as shown in STEP 1 on vehicle street side window well header as shown below (partition previously installed). Mark the (5) holes marked (FD), and (1) upper hole in bracket on vehicle side wall window header, remove rail/bracket and set aside at this time. Drill holes and set plusnuts at the 9.25", 33.50", 70.63", 100.50", upper hole in bracket. 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.

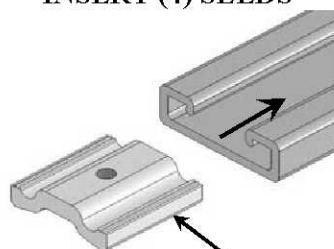
STEP 04: INSTALL STREET (DRIVER'S) UPPER SIDE WALL RAIL (continued)



STEP 1 INSTALL REAR BRACKET AND FASTENERS

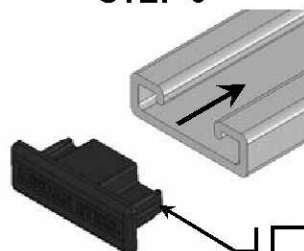


STEP 2 INSERT (4) SLEDS



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 04: INSTALL STREET (DRIVER'S) UPPER SIDE WALL RAIL REAR EXTENSION (continued)



FIGURE 1



FIGURE 2

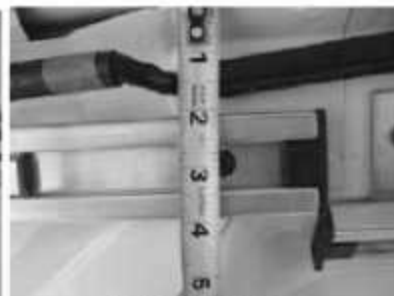
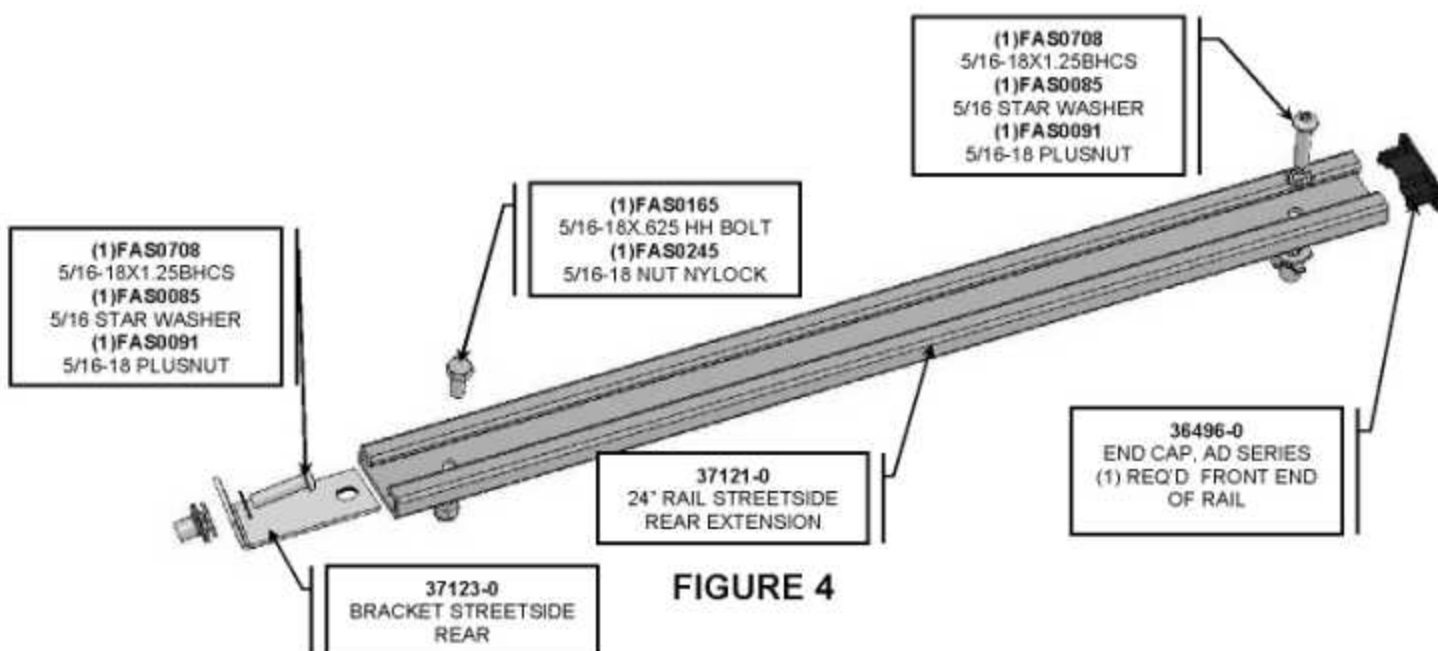


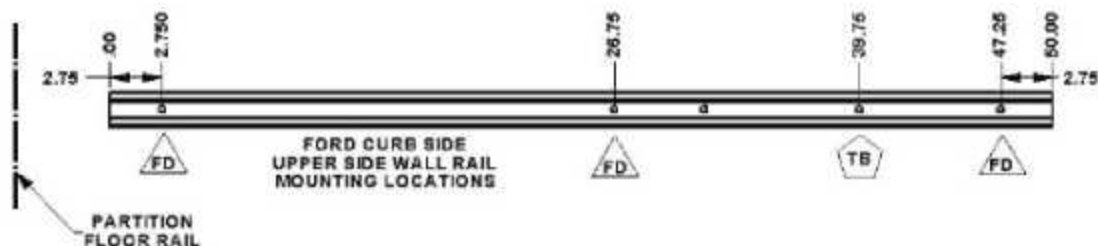
FIGURE 3



Attach 37123-0 streetside rear bracket to 37121-0 24" rail with fasteners (called out in figure 4). Orientate the 24" long rail so that the front of 24" rail and rear of 103" are in line. Mounting hole is 3" down from inner flange, mark and drill 1/2" hole for plusnut (shown in figure 3). Position 37123-0 bracket so that the rear mounting hole is 1.5" from the bottom of the body hole, mark and drill 1/2" hole for plusnut (shown in figure 1). When streetside rear extension rail is installed it needs to be parallel with the vehicle floor (shown in figure 2).

**STEP – 05 INSTALL CURBSIDE UPPER RAIL**

 21166-0 WASHER, ECCENTRIC, 0.375" ID x 1.375" OD Qty = 1	 36499-0 50" RAIL LWB (RKFSVFD) Qty = 1	 FAS0708 SCREW, BHCS, 5/16-18 X 1.25" Qty = 7 TORQUE 17ft lbs.	 37126-0 25.75" RAIL CURBSIDE Qty = 1	 FAS0085 5/16 EXT TOOTH WASHER (6) REQUIRED	 37124-0 REAR CS BRKT, RAIL Qty = 1
 FAS0091 5/16" PLUSNUT (6) REQUIRED	 FAS0248 NUT, NYLON LOCK, SS, 5-16-18UNC Qty = 2	 35335-0 SLIDE Qty = 2	 36496-0 END CAP Qty = 3	 37066-0 BRKT, RAIL REINFORCEMENT Qty = 1	 FAS0093 5/16-18 X .625 Qty = 1 TORQUE 12ft lbs.

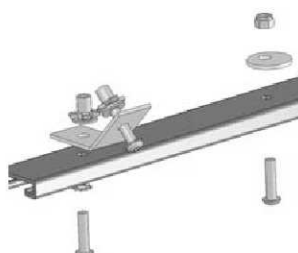


Orientate the 50" long rail and 37066-0 bracket positioned at the 47.25" hole between the rail and vehicle as shown in STEP 1 on vehicle curb side window well header as shown below. Mark the (4) holes marked (FD), and (1) upper hole in bracket on vehicle side wall window header, remove rail/bracket and set aside at this time. Drill holes and set plusnuts at the 2.75", 26.75", 47.25", and upper hole of bracket. 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.

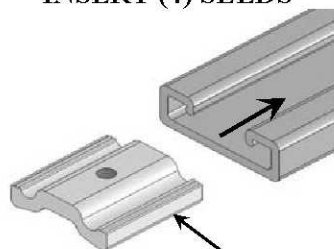
STEP – 05 INSTALL CURB (PASSENGER) SIDE UPPER RAIL (continued)



STEP 1 INSTALL REAR BRACKET AND FASTENERS

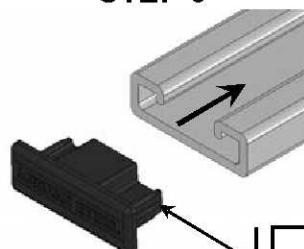


STEP 2 INSERT (4) SLEDS



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 04: INSTALL CURB (PASSENGER'S) UPPER SIDE WALL RAIL REAR EXTENSION (continued)



FIGURE 1



FIGURE 2

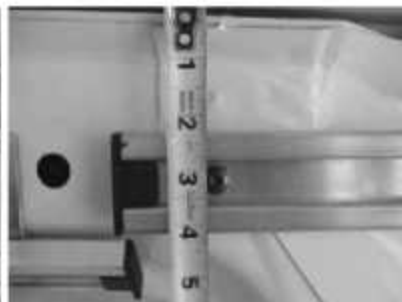


FIGURE 3

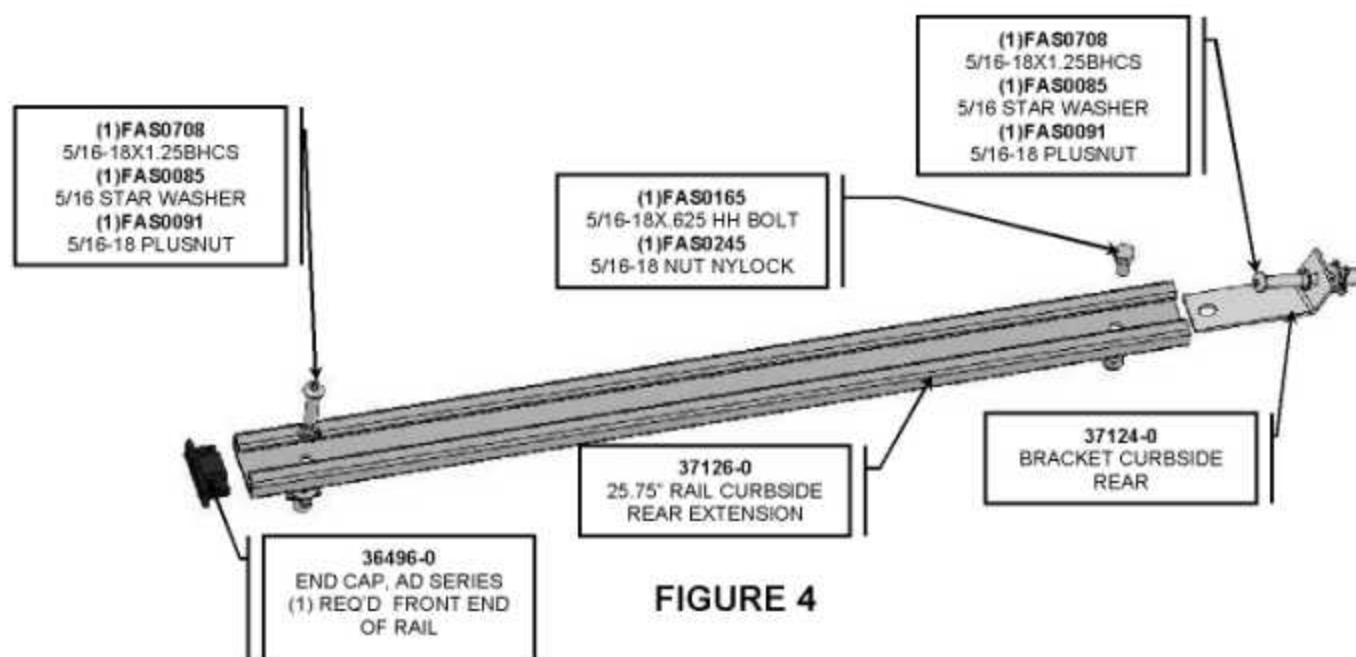


FIGURE 4

Attach 37124-0 curbside rear bracket to 37126-0 25.75" rail with fasteners (called out in figure 4). Orientate the 25.75" long rail so that the front of 25.75" rail and rear of 50" are in line. Mounting hole is 3" down from inner flange, mark and drill 1/2" hole for plusnut (shown in figure 3). Position 37124-0 bracket so that the rear mounting hole is 1.5" from the bottom of the body hole, mark and drill 1/2" hole for plusnut (shown in figure 1). When curbside rear extension rail is installed it needs to be parallel with the vehicle floor (shown in figure 2).

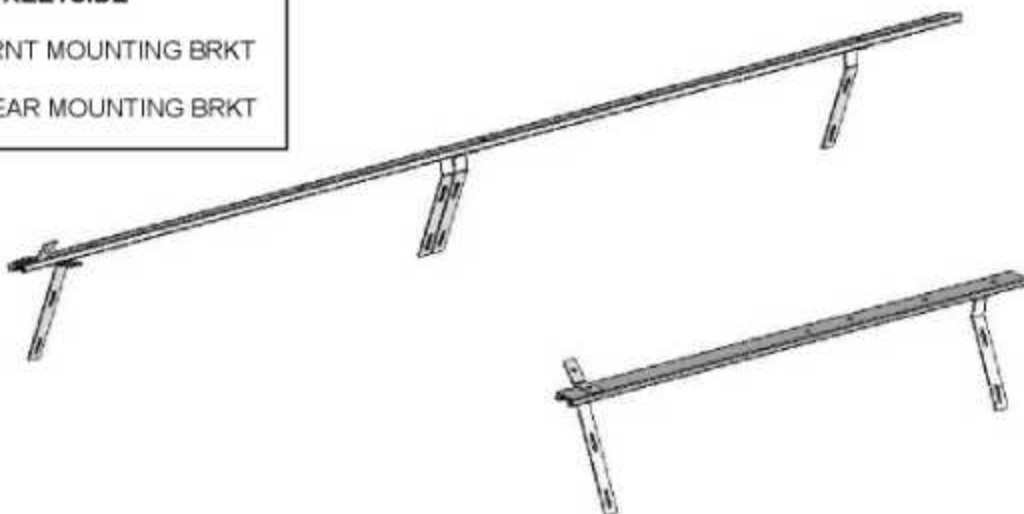
STEP – 06 INSTALL BRACKETS ONTO STREETSIDE AND CURBSIDE UPPER RAIL

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

STREETSIDE

(3)36783-0 FRNT MOUNTING BRKT
(1)36782-0 REAR MOUNTING BRKT



CURBSIDE

(1)36783-0 FRNT MOUNTING BRKT
(1)36782-0 REAR MOUNTING BRKT

STEP – 07 INSTALL BRACKETS ONTO STREETSIDE AND CURBSIDE UPPER REAR EXTENSION RAILS (WHEN PRODUCTS WITH AD SERIES END PANELS)

 37122-0 MOUNTING BRACKET REAR EXTENSION (4) REQUIRED	 BAGRKA4 ACCESSORY INSTALL BAG FOR AD RAIL SYSTEM (1) REQUIRED	 FAS0061 SCREW, THP, 1/4-20X.50 P/G5 Qty = 8 TORQUE 17ft lbs	 FAS0055 NUT, HEX FLANGE, 1/4-20 UNC Qty = 8
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NOTE: PLACE ABOVE ITEMS IN A SMALL HARDWARE BOX THAT CAME IN RAIL WITH RAIL KIT AND PUT IN STOWED ITEM BOX UNLESS NEEDED FOR INSTALLATION OF PDS ITEMS TO REAR EXTENSION RAILS.

NOTE: ANY UNUSED ITEMS PLACE THEM IN SMALL HARDWARE BOX AND PLACE IN STOWED ITEMS BOX.

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!