



**ADRIAN STEEL®**

*Cargo Management Solutions for Commercial Vehicles*

## Assembly/Installation Instructions and Owners Manual



**CURB-SIDE**

**STREET-SIDE**

### **RKADNV2-CS & RKADNV2-SS**

**RAIL KITS, NV200, DBL  
CITY EXPRESS**

## - PRECAUTIONS -





 **CAUTION**   
**THE USE AIR IMPACT TOOLS CAN  
OVER-TORQUE FASTENERS AND  
CAUSE FASTENER FAILURE!**



 **CAUTION**   
**ALL INSTALLATION HOLES SHOULD BE SEALED  
WITH SILICON OR BUTYL SEALANT TO PREVENT  
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



 **DANGER**   
**INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH  
VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO  
DRILLING TO AVOID DAMAGING CRITICAL VEHICLE SYSTEMS  
OR INJURY TO INSTALLER DURING INSTALLATION PROCESS!**



 **CAUTION**   
**TO AVOID DAMAGING THE VEHICLE ALWAYS  
USE DRILL STOPS WHEN DRILLING ANY IN-  
STALLATION HOLES!**



## - IMPORTANT WARRANTY REQUIREMENTS -

1. SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
2. ALL HOLES DRILLED INTO VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE.
3. ALL FASTENERS USED IN THE INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE TORQUE(S) SPECIFIED IN THESE INSTRUCTIONS.
4. THESE INSTRUCTIONS SHOULD BE KEPT WITH THE VEHICLE.

### THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH  
STOP



RATCHET, SOCKETS  
AND/OR WRENCHES



SCREWDRIVERS





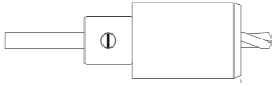
MEASURING TAPE

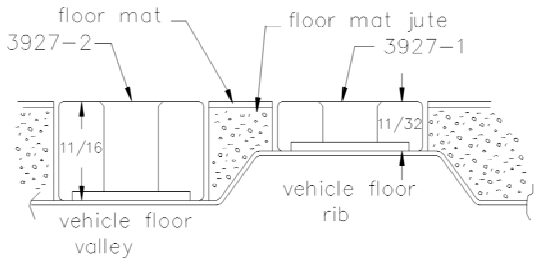
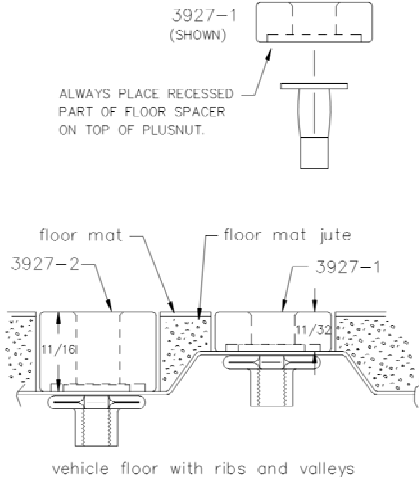
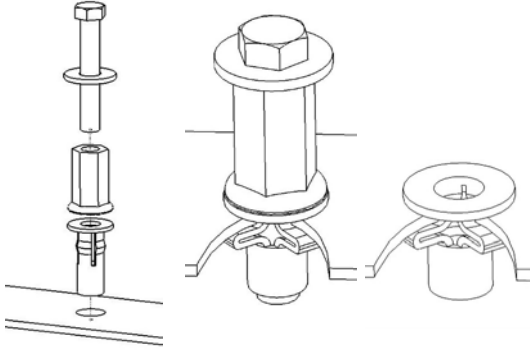
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.




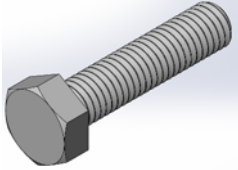


# Assembly/Installation Instructions and Owners Manual



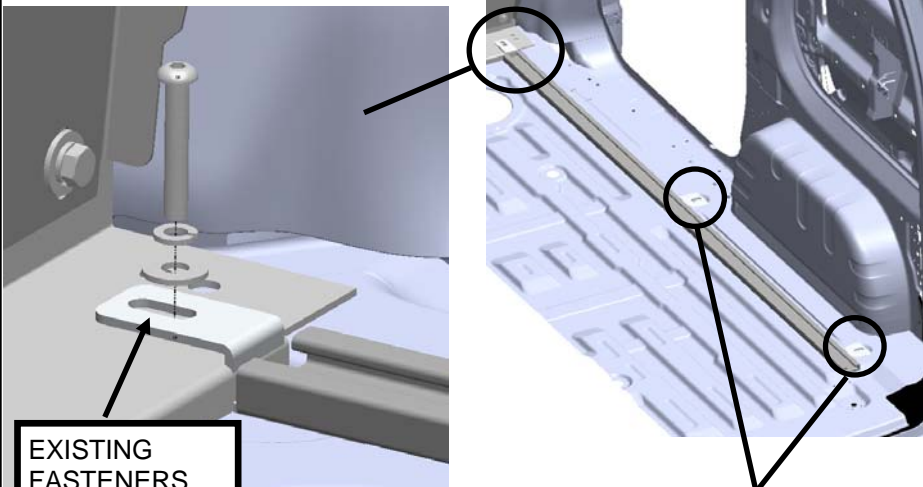
**WHEN INSTALLING PLUSNUTS MAKE SURE YOU USE THE CORRECT DRILL BIT WITH A STOP!**

PLUSNUT SIZE	DRILL BIT SIZE
1/4-20 PLUSNUT, FAS0052	USE A 3/8" DIAMETER DRILL BIT WITH A STOP.
5/16-18 PLUSNUT, FAS0091	USE A 1/2" DIAMETER DRILL BIT WITH A STOP.
 <b>OR</b> 	<b>NOTE: A PLUSNUT SETTING TOOL IS REQUIRED FOR PLUSNUT INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL (P.N. 22200-0) OR USE AN AIR POWERED PLUSNUT SETTING GUN.</b>
<b>NOTE: If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations using a 1-3/16" carpet cutter.</b>	<b>1-3/16" DIAMETER CARPET CUTTER P.N. 31183-0.</b> 

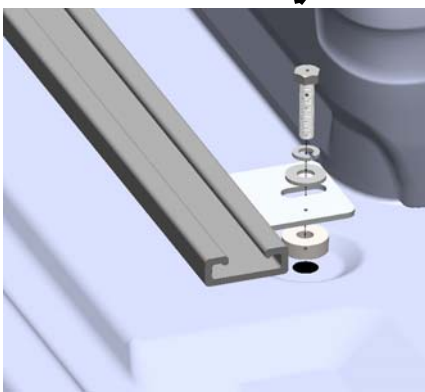
	<p><b>Step 01</b></p> <p><b>Optional</b></p> <p>If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations. <b>(if not, skip to STEP 02)</b></p> <p>Position the product to be installed into the vehicle and once you are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter. Select the appropriate floor spacers as shown in the illustration to the left. Set those aside for use later into the installation process.</p> <p>Once you have prepared the carpet/floor mat for</p>
	<p><b>Step 02</b></p> <p><b>Prepare Mounting Locations</b></p> <p>Using a drill and drill bit (<i>see table at top of page for correct size</i>) drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.</p> <p>If you are thru-bolting at any of the locations simply drill a hole that is 1/16" larger than the bolt size(s) for those locations.</p> <p>Once you have drilled the holes into the vehicle, the raw metal edges should be sealed using a self-etching primer to resist corrosion and potential fastener point failure.</p>
	<p><b>Step 03</b></p> <p><b>Setting Plusnuts</b></p> <p>Use a Air Powered Plusnut Setting Gun to "set the plusnut" or if installing manually with hand tools, assembly the following.</p> <p><u>1/4-20UNC Plusnut (FAS0052)</u> FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8 FAS0067 WASHER, FLAT, 1/4"ID 22200-0 PLUSNUT TOOL</p> <p><u>5/16-18UNC Plusnut (FAS0091)</u> FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8 FAS0086 WASHER, FLAT, 5/16"ID 22200-0 PLUSNUT TOOL</p> <p>Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.</p> <p>Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).</p> <p>Remove hex bolt, washer, and plusnut. Inspect installation.</p>

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 01</b>	48337 FLOOR RAIL, NV/CE,SS (1) REQUIRED	49549 FLOOR RAIL, NV/CE,CS (1) REQUIRED	<b>03927-1</b> SHORT SPACER (2) REQUIRED	<b>FAS0173</b> SCREW,HH M8-1.25X35 SS (2) REQUIRED
	 STREET-SIDE	 CURB-SIDE		
	<b>FAS0098</b> 5/16 LOCKWASHER (2) REQUIRED	<b>FAS0086</b> 5/16 WASHER (2) REQUIRED		
				

## Instructions for Step 01



**EXISTING FASTENERS FROM PARTITION**



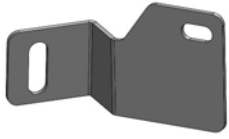
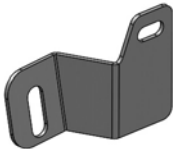
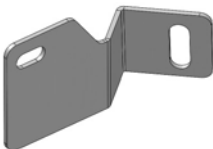
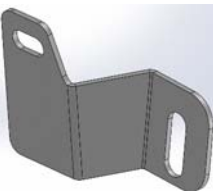



**COMPLETED STEP**

Curb-side installation shown.

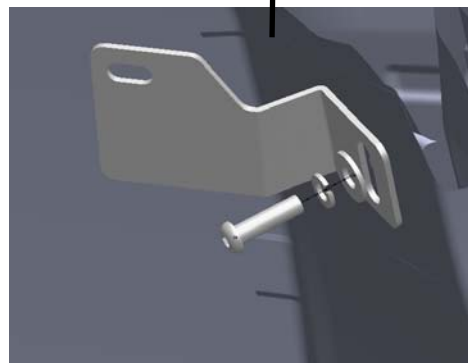
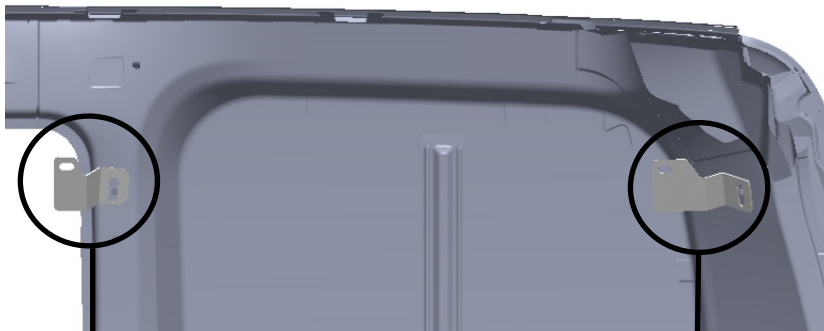
Remove the fastener that mounts the partition to the floor shown.

Locate the two floor mounting weld nuts in the vehicle floor (if a floor-mat is present cut 1-1/4" holes in floor-mat for access). Place a short floor spacer over each weld-nut position in floor.

Place floor rail (curb-side shown) in position as shown and bolt into place using the M8 HH, lock washer and flat washer for each position. Tighten both bolts to secure the rear portion of the mounting channel in place.

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 02</b>	<b>48335-G</b> D-BRKT, NV/CE, SS (1) REQUIRED	<b>48336-G</b> C-BRKT, NV/CE, SS (1) REQUIRED	<b>49551-G</b> D-BRKT, NV/CE, CS (1) REQUIRED	<b>49550-G</b> C-BRKT, NV/CE, CS (1) REQUIRED
		 OR 		
	<b>FAS0741</b> M8-1.25 x 30MM, BHCS (2) REQUIRED	<b>FAS0086</b> 5/16 WASHER (2) REQUIRED	<b>FAS0098</b> 5/16 LOCKWASHER (2) REQUIRED	
				

## Instructions for Step 02



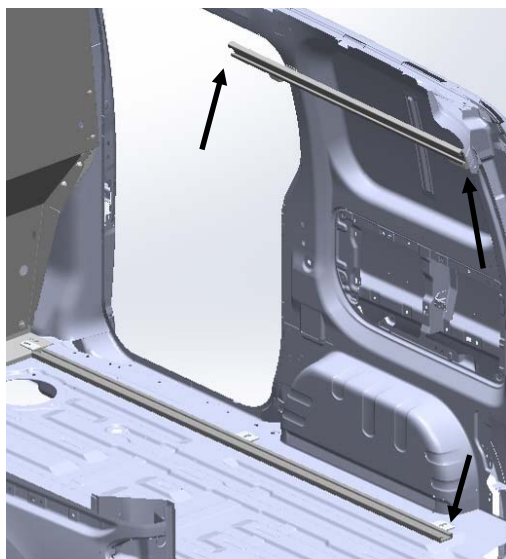
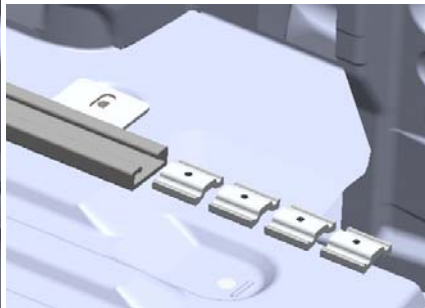
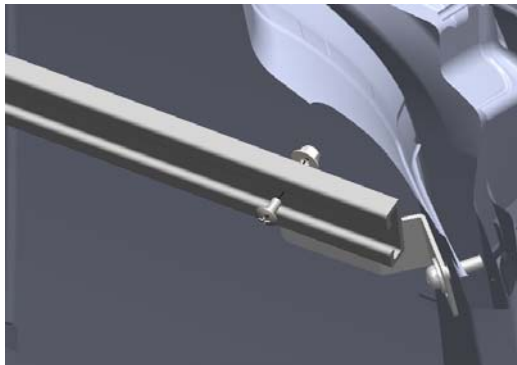
Locate the upper weld nut in the vehicle c-pillar area and the weld nut in the d-pillar area as shown.

Position the mounting brackets into place as shown (curb-side shown, street-side is opposite using 48336-G & 48335-G) and temporarily secure using the M8 BHCS, lock washers and flat washers as shown. Final tightening of brackets will be completed after shelving unit is in place.

COMPLETED STEP

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 03</b>	<b>48341</b> UPPER RAIL,NV/CE (1) REQUIRED  	<b>35335-0</b> SLIDE-AD RAIL (7) REQUIRED  	<b>FAS0062</b> 1/4 x 3/4 THP SCREW (4) REQUIRED  	<b>FAS0055</b> NUT,HEX NLK FLG 1/4-20 (4) REQUIRED  
	<b>36496-0</b> END CAP,RAIL EXTR #2 (3) REQUIRED  			

## Instructions for Step 03


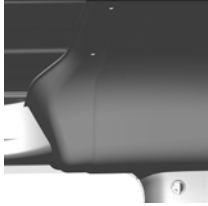


Curb-side shown

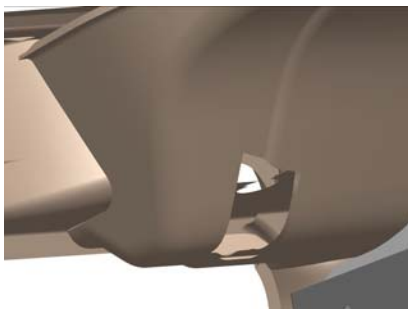
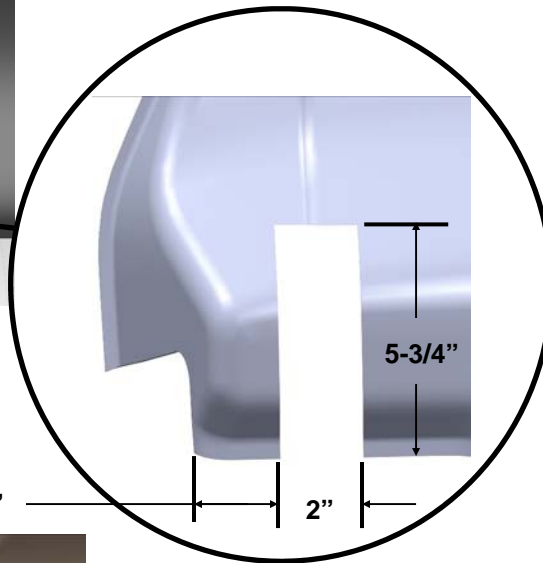
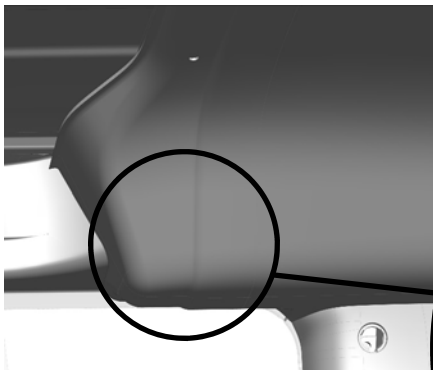
Attach the upper rail (48341) to the C and D pillar brackets using FAS0061 and FAS0055. These should be left loose until the shelving units are installed.

Place 4 slides (35335-0) into the bottom rail, and 3 slides into the top rail.

Insert end cap (36496-0) into the ends of the rails

PARTS YOU WILL USE FOR  <b>STEP 04</b>	UTILITY KNIFE	VEHICLE		
				

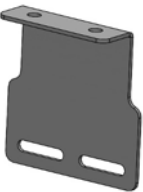





## Instructions for Step 04



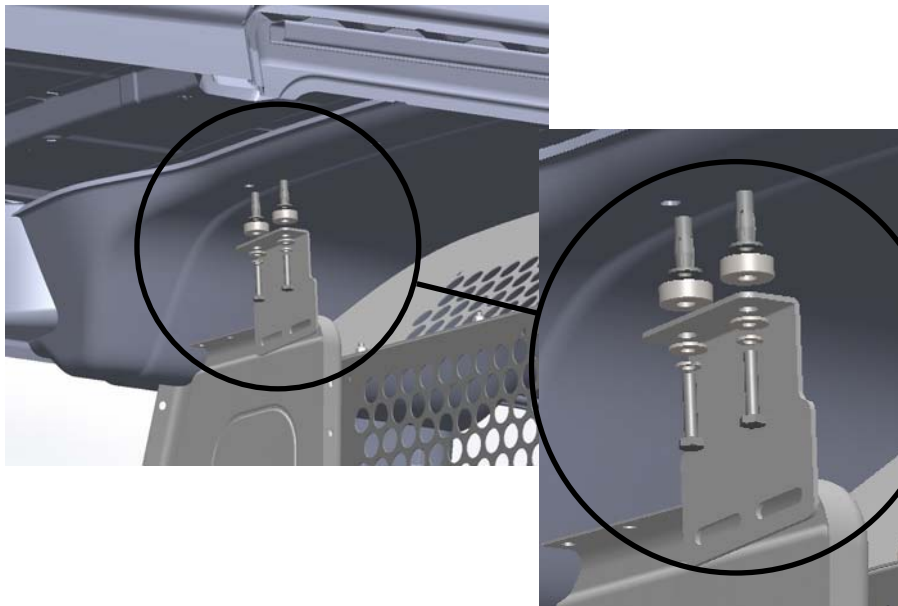
COMPLETED STEP

Trim the headliner for clearance of the front end panel on the front shelving unit as shown. Mark the rectangular outline using the dimensions shown and carefully trim away the headliner to provide the notch out as shown.



<b>PARTS YOU WILL USE FOR</b>  <b>STEP 05</b>	<b>43717-G</b> AD ROOF BRKT, NV200 (1) REQUIRED	<b>FAS0052</b> 1/4-20 PLUSNUT (2) REQUIRED	<b>03927-1</b> SHORT SPACER (2) REQUIRED	<b>FAS0073</b> 1/4 X 1-1/4 HEX SCREW (2) REQUIRED
				
	<b>FAS0067</b> 1/4 WASHER (2) REQUIRED	<b>FAS0060</b> 1/4 LOCKWASHER (2) REQUIRED		
				

## Instructions for Step 05

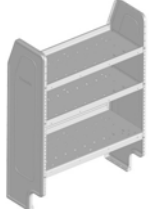


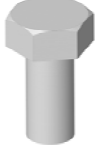




COMPLETED STEP

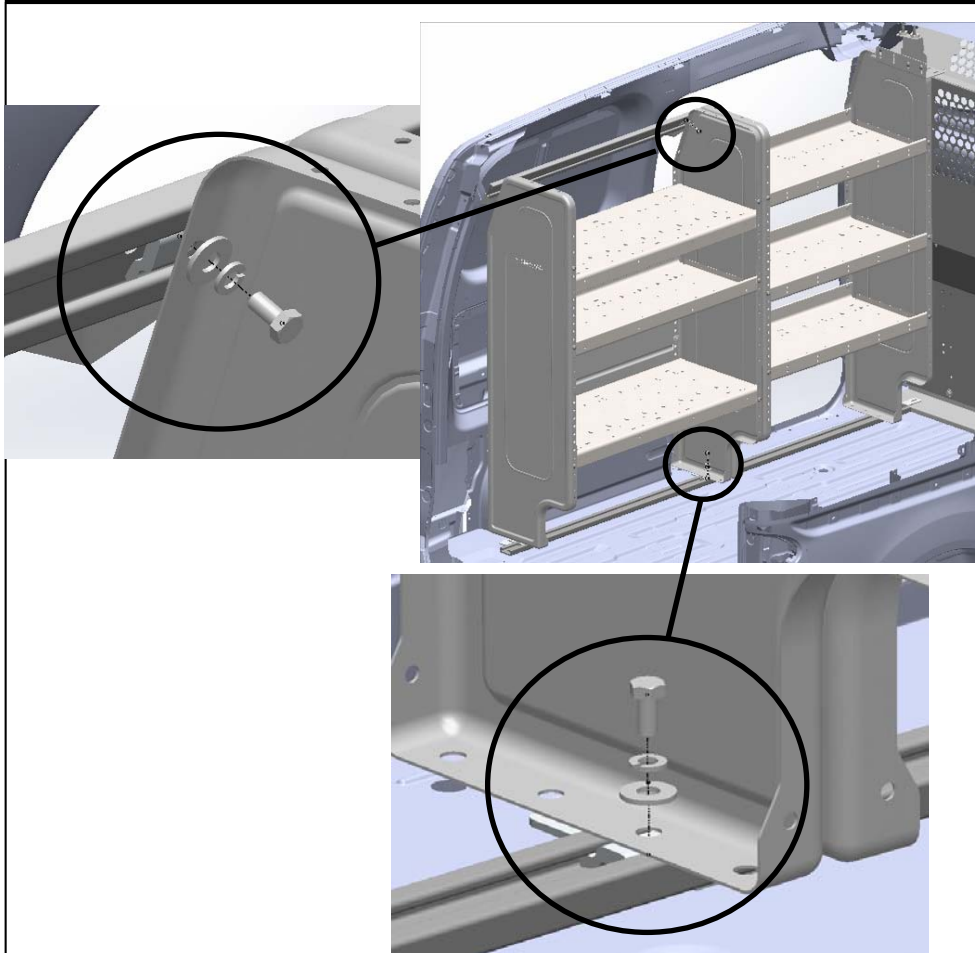
Locate the push-in retaining clip for the headliner near the side door opening. Remove the clip and enlarge the hole in the headliner to 1 -1/4" diameter. Using a 3/8" drill (with stop) enlarge the existing hole in the roof-bow to allow setting the 1/4-20 plus-nut.

Set the 1/4" plus-nut. Install the roof bracket, spacer, hex screw, lock washer and flat washer as shown. Final tightening of the fastener will be completed after shelving unit is in place.







<b>PARTS YOU WILL USE FOR</b>          <b>STEP 06</b>	AD32FP AD32FP SHELF UNIT	AD28NV2 AD28NV2 SHELF UNIT	HD32NV2 HD12X32 SHELF ASSM	HD-28NV2 HD12X28 SHELF ASSM
			<b>OR</b>	
	<b>FAS0165</b> 5/16-18 x .62 HEX SCREW (7) REQUIRED	<b>FAS0086</b> 5/16 WASHER (7) REQUIRED		<b>FAS0098</b> 5/16 LOCKWASHER (7) REQUIRED
				

## Instructions for Step 06

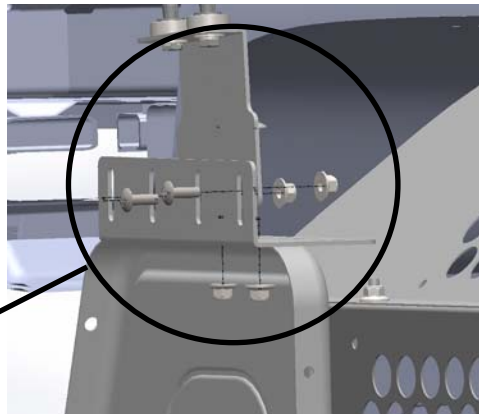
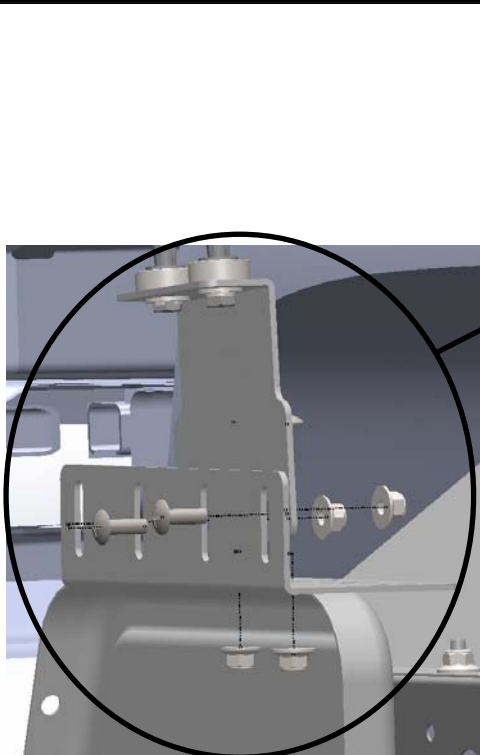


Position the appropriate shelving unit (AD32FP and AD28NV2, or HD32NV2 and HD-28NV2 ) in place as shown and bolt to floor mounting channel as shown (each end panel) using the 5/16 hex screws, lock washers and flat washers as shown.

Leave fasteners loose until the final step

PARTS YOU WILL USE FOR  <b>STEP 07</b>	<b>43715</b> AD FWD BRKT, NV200 (1) REQUIRED	<b>FAS0062</b> 1/4 x 3/4 THP SCREW (4) REQUIRED	<b>FAS0067</b> 1/4 FLAT WASHER (4) REQUIRED	<b>FAS0055</b> 1/4 NYLOCK NUT (4) REQUIRED
				

## Instructions for Step 07



COMPLETED STEP

Secure the mounting brackets to the top of the shelving end panel as shown using the 1/4 screws, flat washers and nylock nuts as shown. Once the mounting bracket fasteners are in place you should finish tightening the hex screw that secures the roof mounting bracket to the vehicle.

**Tighten all fasteners left loose for the installation. Double check all fasteners.**

Repeat this process if you are installing shelving units on the opposite side of the vehicle.

Your installation is now complete!