

**PRODUCT WEIGHT**

**48 LBS**

**WIDTH x DEPTH x HEIGHT**

**27 x 14 x 46**

**CAPACITY**

**45 LBS PER SHELF**

**COLOR**

**GRAY**

**CATALOG NUMBER**

**AD28NV2**

**PRODUCT FEATURES**

**AD SERIES ADJUSTABLE SHELVING UNIT WITH TWO (3) EACH 14" x 28" x 2" SHELVES. THE SHELVES CAN BE ADJUSTED USING THE MOUNTING HOLES THAT ARE ON 1" CENTERS.**

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

**PAGE 1 of 2**

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**CATALOG NUMBER      AD28NV2*****PRODUCT APPLICATION***

**THIS SHELVING UNIT IS DESIGNED FOR THE NESSAN NV200 COMMERCIAL VEHICLE. THE SHELVING MAY APPLY TO OTHER VEHICLE APPLICATIONS (CONTACT ADRIAN STEEL ENGINEERING TO CONFIRM).**

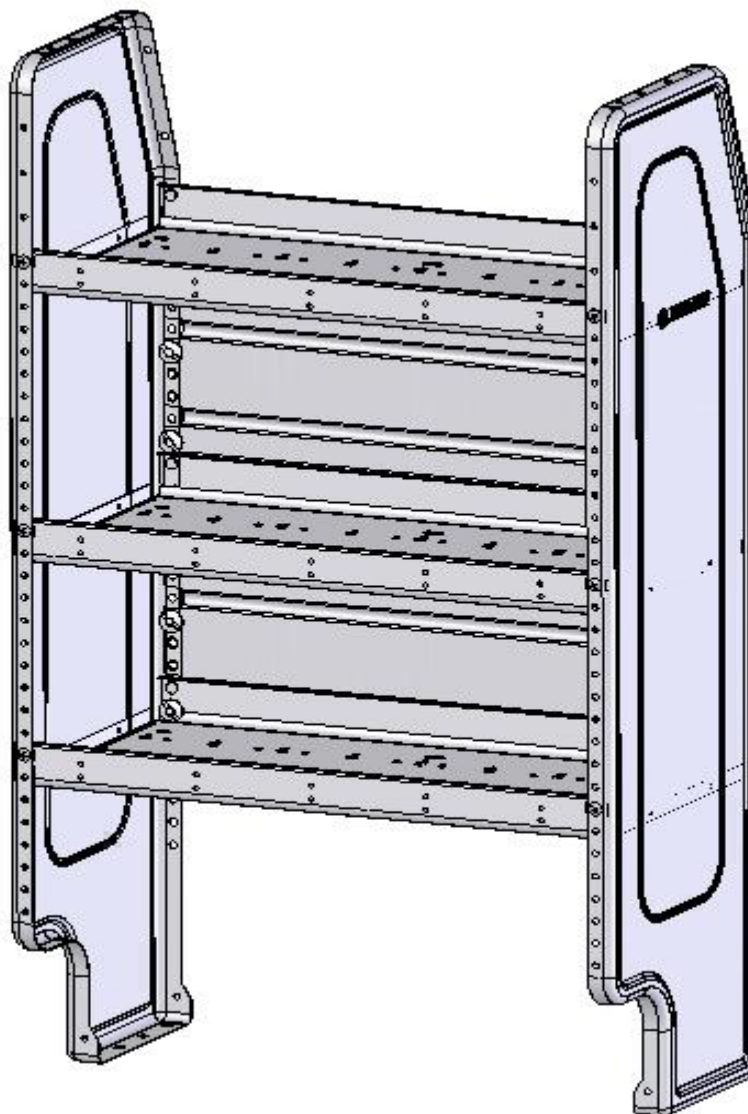
***ACCESSORIES THAT WILL WORK WITH THIS PRODUCT***

<b>CATALOG NUMBER</b>	<b>DESCRIPTION</b>
DC6	6" DRAWER UNIT
DC12	12" DRAWER UNIT
35317-G	DIVIDER AD SERIES

***SPECIAL APPLICATION NOTES*****N/A**

# AD Shelving 26"/28"/32" Assembly Instructions

26" is Shown



ECN-19783    DATE: 05/26/2017    DWG.BY: DWC / WILLIS    REV.BY:    CHK.BY:    ISSUE: C    P.N.: 38802-0

**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 ENVIROMENT!**



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

**#3 PHILLIPS SCREWDRIVER  
1/2” COMBINATION END WRENCH**

**9/16" END WRENCH**

**TORQUE WRENCH**

**1/2” & VARIOUS METRIC SOCKETS**

**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.**

**Note:**

**These install instructions for the AD Series shelving consists of three sections. The first is for assembling the AD shelving units using an Adrian Steel available assembly fixture/stand. Please refer to STEP 1 thru STEP 6.**

**The second consists of assembling the shelving units directly on the previously installed rail kits in your full size van. Please refer to STEP 7.**

**The remaining third section is for installing shelf divider kits if your particular shelving units come supplied with them. Please refer to page 10.**

## AD SERIES "KD STYLE" ADJUSTABLE STYLE SHELVING UNITS

### Step 01

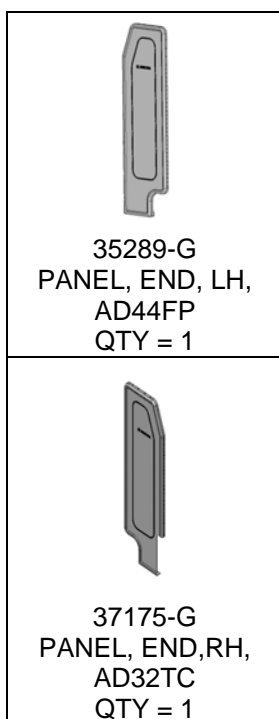
#### End Panel Installation / A 26" Unit is shown 35289-G & 37175-G

Install end panels into the fixture as shown below (Fig 2). Align the holes in the bottom end panel flange and install over the roll pins located at the base of the fixture (Fig 3). Secure the top end panel flange with the toggle clamp as shown below (Fig 4). Repeat for the (2<sup>nd</sup>) end panel.

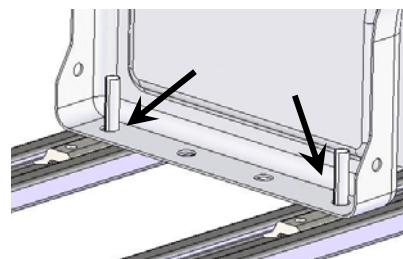


**Figure 01**

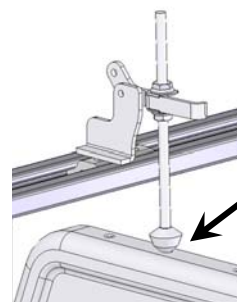
**Recommended AD Series Assembly Fixture/Stand**  
(ref p/n: 36710-0 see Figure 1)  
Pre-assembly of the shelving units outside of the van provides greater accessibility, stability, and lighting.



**Figure 2**



**Figure 3**

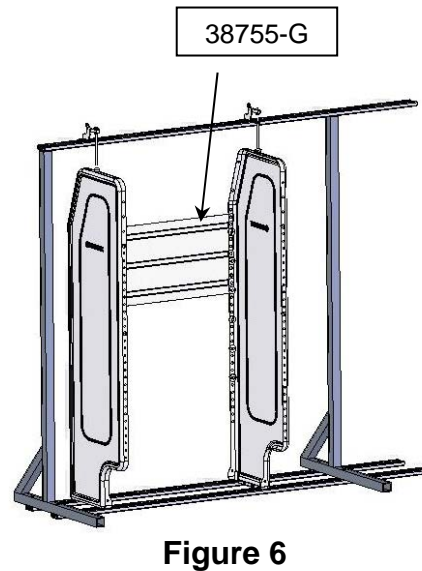
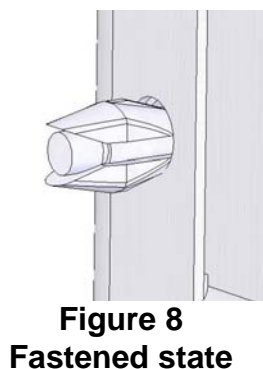
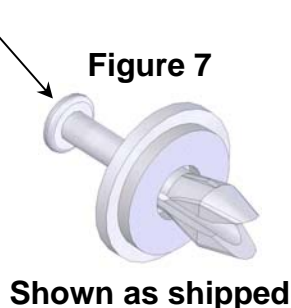
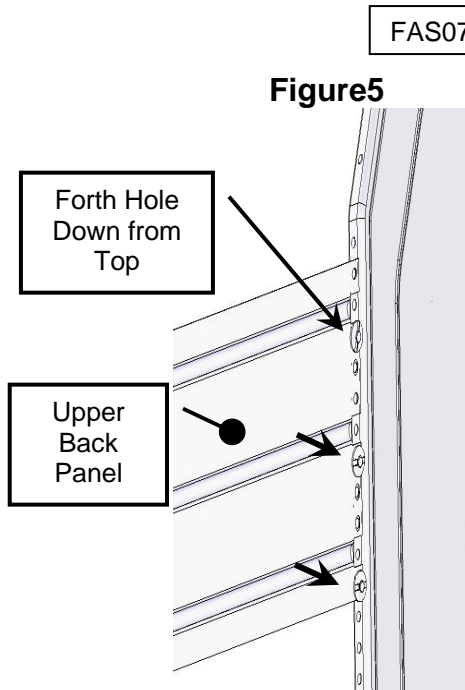
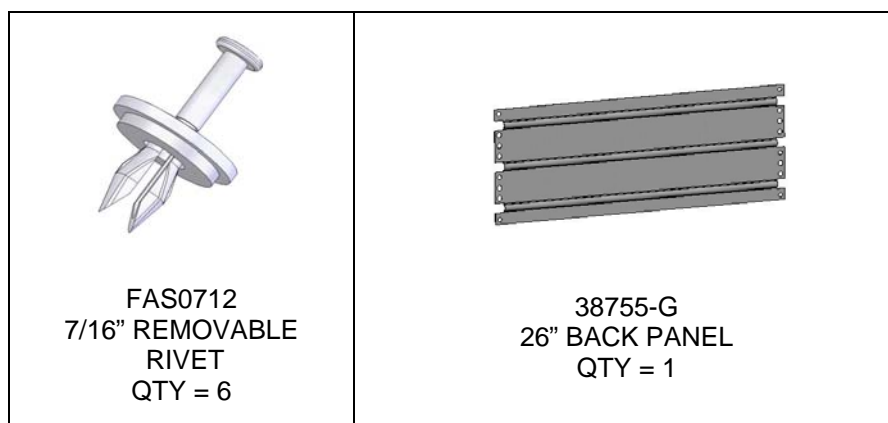


**Figure 4**

## AD SERIES "KD STYLE" ADJUSTABLE STYLE SHELVING UNITS

### Step 02 Back Panel (Upper) Installation

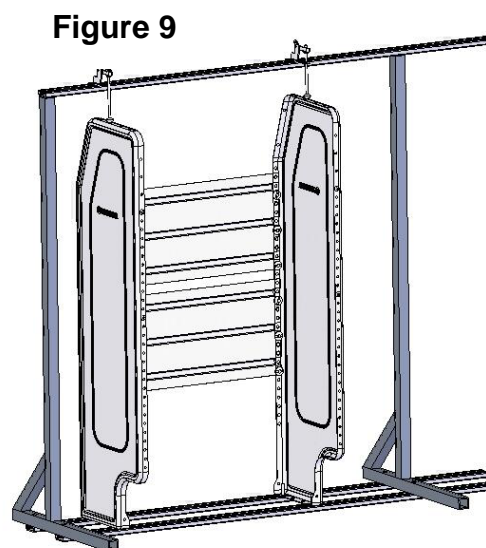
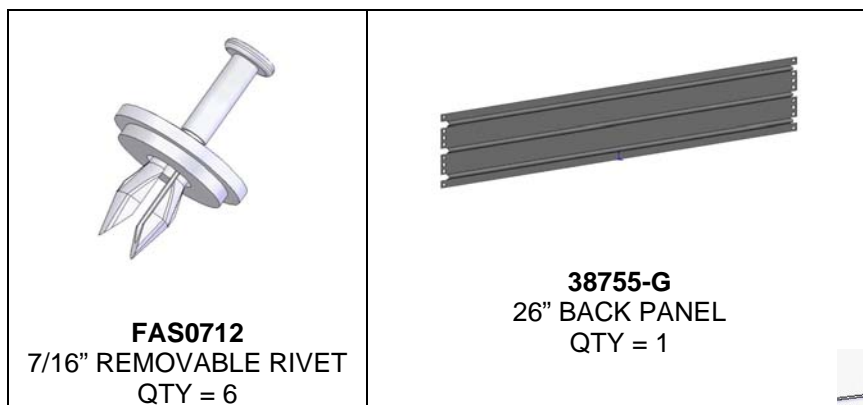
Place (6) removable, push-rivets (FAS0712) with EPDM washers into the holes on each end of the back panel (35318-G) as shown below in Fig 5. Do not push in the center post of the push-rivet at this time. Position the upper back panel (35310-G) with the installed push-rivets between the (2) upright end panels, Fig. 6. Align the top push-rivets with the (4th) hole down as shown in Figure 5. Depress the locking column to secure the back panel to the end panel. Install the remaining (5) push-rivets onto the back panel. Back panel should be orientated with the cylindrical embossments (ribs) as shown in detail views shown below.



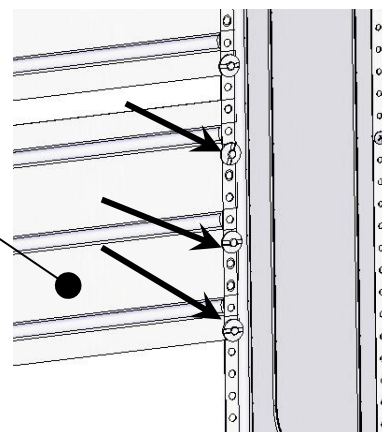
## AD SERIES "KD STYLE" ADJUSTABLE STYLE SHELVING UNITS

### Step 03 Back Panel (Lower) Installation

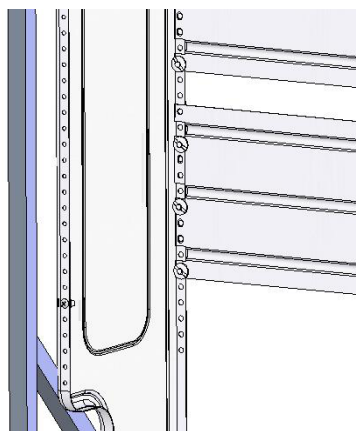
Install (4) removable, push-rivets (FAS0712) with EPDM washers into the holes on each end of the back panel (37171-G) as shown in Fig.9,10 &10b. Depress the locking column to secure the back panel to the end panel. Install the remaining (3) push-rivets. Back panel should be orientated with the cylindrical embossment (rib) as shown.



38755-G  
Lower Back  
Panel



**Figure 10**  
Right Side



**Figure 10b**  
Left Side



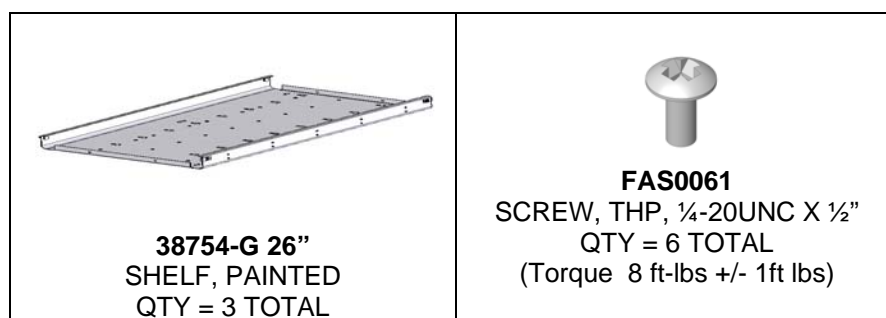
## AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### Step 04 Bottom Shelf (1 of 3) Installation

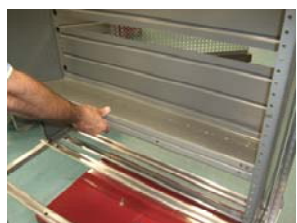
Position the bottom (1 of 3) shelf into the unit as shown in Fig 11,12. With the shelf stud located in the back shelf flange engaged into the end panel holes as shown in Fig 14, 15, 16, push down on the front edge of the shelf until shelf is horizontal. Align the end panel thru holes with the shelf tinnerman fastener and secure in place with a 1/4-20UNC x 1/2" THP screw (FAS0061). Repeat for opposite side of the shelf weldment.

**NOTE:** When a modular component is going to be mounted on a shelf the flanges need to be pointed down. Normal shelf flange orientation is pointed up.

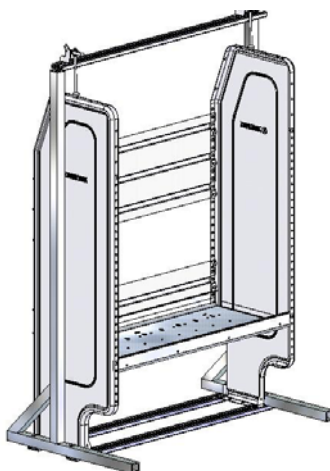
**NOTE:** When installing shelves onto end panels. Make sure that the removable rivets do not come in contact with the shelf. The rivets will need to be moved if this occurs



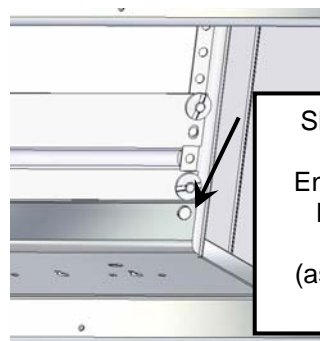
**Figure 11**



**Figure 12**



**Figure 13**



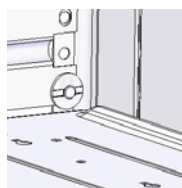
**Figure 14**

Shelf Weldment  
Stud Shown  
Engaged in Sixth  
Hole Up from  
Bottom  
(as counted from  
Front flange)

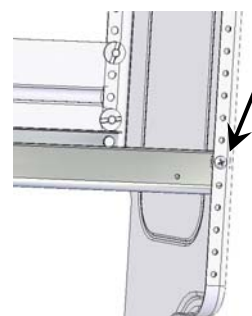


**Figure 15**

Shelf Weldment  
Stud Shown  
Engaged in Sixth  
Hole Up from  
Bottom



**Figure 16**



**Figure 17**

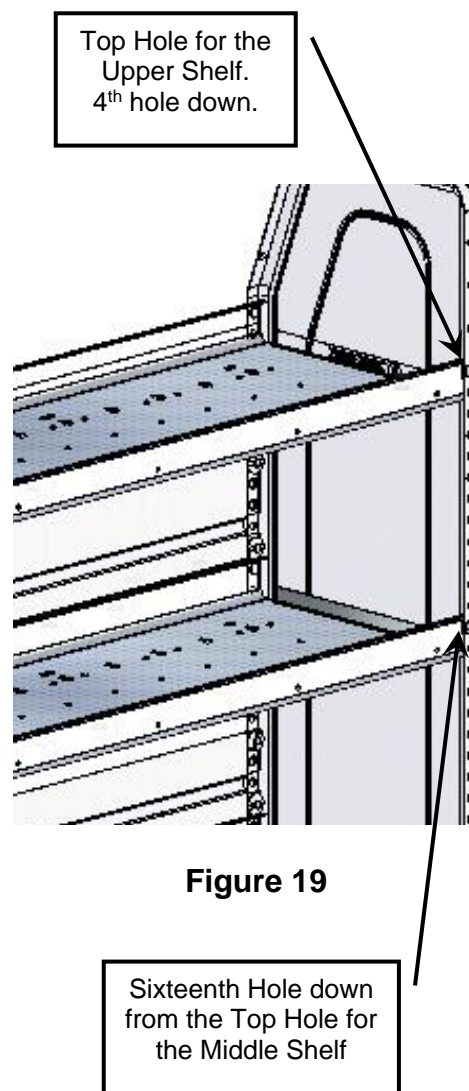
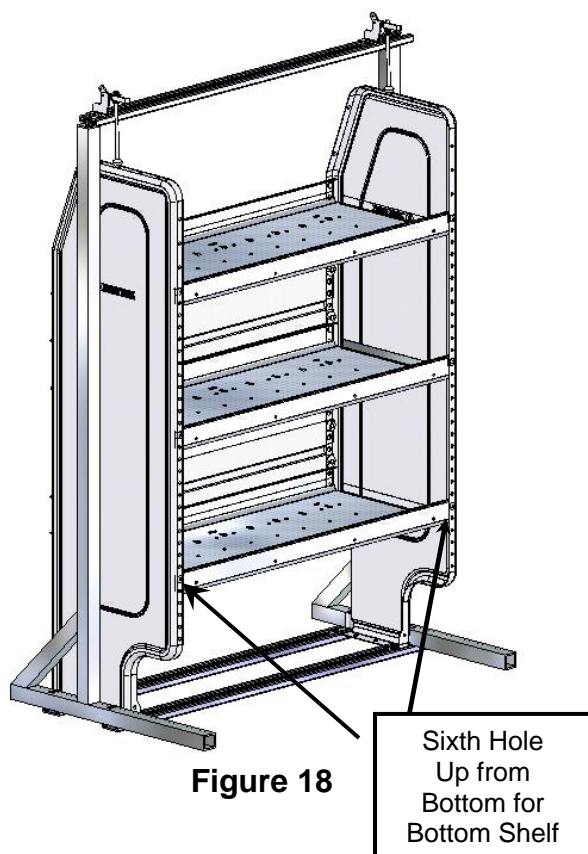
Sixth Hole  
Up from  
Bottom



## AD SERIES "KD STYLE" ADJUSTABLE STYLE SHELVING UNITS

### Step 05 Center & Upper Shelf Installation



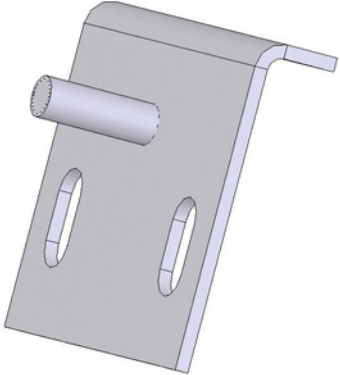


Repeat the procedure describing the lower shelf installation and repeat process for the remaining (2) shelf weldment assemblies.



## AD SERIES “KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### Step 05

**Typical Shelving Installation for Transit Connect**  
**For Other Vehicles see vehicle specific Rail kit Instructions**  
**( Figure 20, 21, 22, 23 )**

 <b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 6	 <b>FAS0098</b> 5/16"EXT TOOTH QTY = 4	 <b>37704</b> <b>ADAPTER PLATE</b> QTY = 2
 <b>FAS0090</b> NUT,NYLON,LOCK 5/16-18, ZN QTY = 2	 <b>FAS0165</b> BOLT, HEX HD, 5/16-18UNC X 5/8"LG QTY = 4 TORQUE TO 12ft lbs. +/- 1ft lbs	

Place completed AD Series shelf unit into the vehicle. Please note that the exact position in the vehicle will depend on the PDS sheet and/or the end users requirements. This is only a general guideline.

Locate the floor rail kit extruded alum “sled” as shown in Fig. 20 and reposition the threaded hole directly under the end panel flange thru hole as shown in Fig. 21. Secure shelf flange to the “sled” with fasteners shown above. Leave fasteners loose at this time for easy repositioning of the shelf during the following steps. Repeat for the opposite end panel



**Figure 20**



**Figure 21**

**FAS0086,  
FAS0098  
and  
FAS0165**

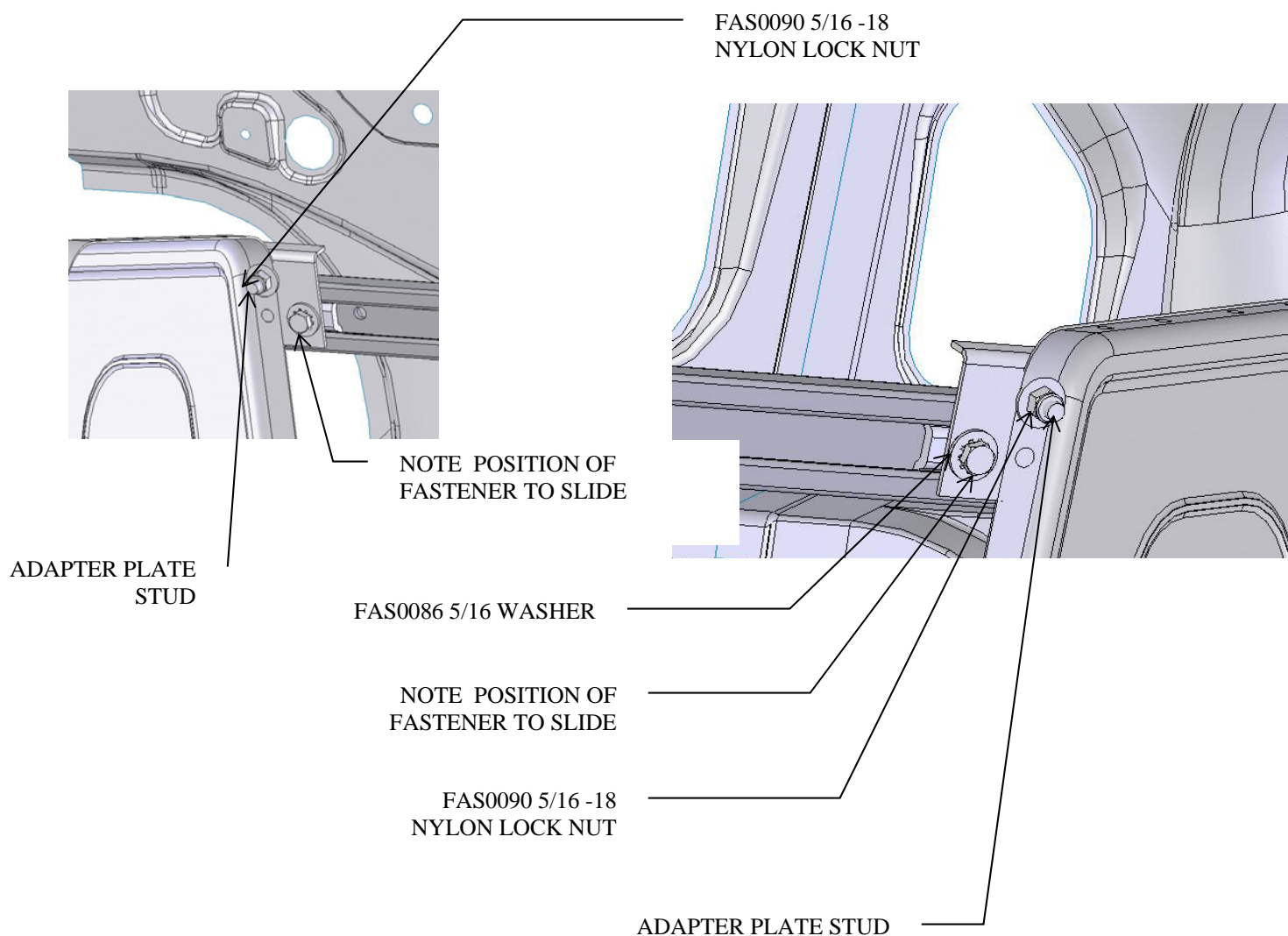
## AD SERIES "KD STYLE" ADJUSTABLE STYLE SHELVING UNITS

### LOCATE UPPER SIDE WALL RAILS TO END PANELS

Locate the adapter plate studs to the upper hole in the end panels as shown in Fig. 22, Fig 23 and reposition as needed. Secure end panels to adapter plate using FAS0086 Washer and FAS0090 nylon lock nut. Leave fasteners loose at this time for easy repositioning of the shelf during the following steps. Repeat for the opposite end, end panel. Reposition the shelving unit to the final desired location and tighten all fasteners, to 12 +/- 1 ft-lbs.



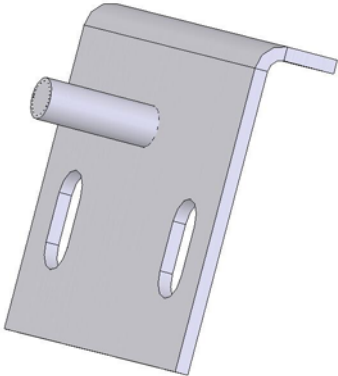


**FIG 22 END PANEL SLIDING DOOR END**

**FIG 23 END PANEL REAR**



## AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### Step 06 ASSEMBLING SHELVING UNIT DIRECTLY ONTO RAIL KIT

 <p><b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 6</p>	 <p><b>FAS0098</b> 5/16"EXT TOOTH QTY = 4</p>	 <p><b>37704</b> ADAPTER PLATE QTY = 2</p>
 <p><b>FAS0090</b> NUT, NYLON, LOCK 5/16-18, ZN QTY = 2</p>	 <p><b>FAS0165</b> BOLT, HEX HD, 5/16-18UNC X 5/8"LG QTY = 4 TORQUE TO 12ft lbs. +/- 1ft lbs</p>	

Install end panels into the vehicle and attach to the rail kits as in step 6.



Adjust initial position of both end panel to there approximant final position on the rails. Tighten the fasteners only hand tight at this time; you will need to make adjustments during the installation of the back panels and shelves. Once the unit is assembled refer to step 6 above.

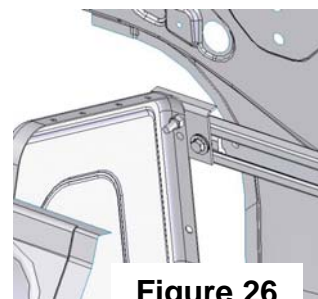


**Figure 24**

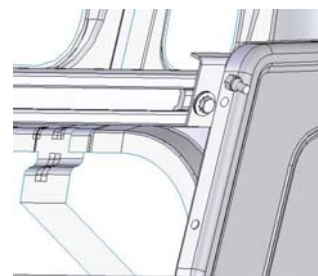


**Figure 25**

 <p><b>35289-G</b> PANEL, END, LH, AD32TC QTY = 1</p>	 <p><b>37175-G</b> PANEL, END, RH, AD32TC QTY = 1</p>
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**Figure 26**



**Figure 27**



**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!**

## DIVIDER KIT

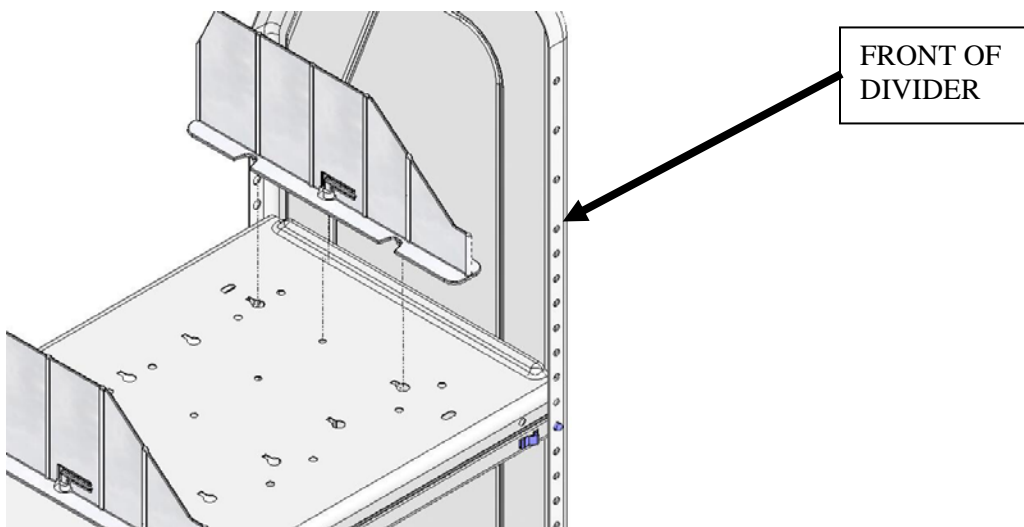
### Installation Instructions

ORDER DIVIDERS SEPERATELY FOR SHELF UNIT



**STEP – 01**

**INSERT 35317-G DIVIDER END PINS INTO SLOTTED HOLES**



To install dividers onto shelves. Insert the (2) outside pins into the corresponding holes and slide back towards the rear of the shelving unit until the middle pin snaps into the middle hole. To remove the divider pull up on the middle pin's tab and slide toward the front of the shelf.



**DOUBLE-CHECK ALL DIVIDER LOCATIONS TO BE  
SURE THAT ALL TABS ARE IN PLACE TO PREVENT  
LOSS OF DIVIDER OR PRODUCT SHIFT!**



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