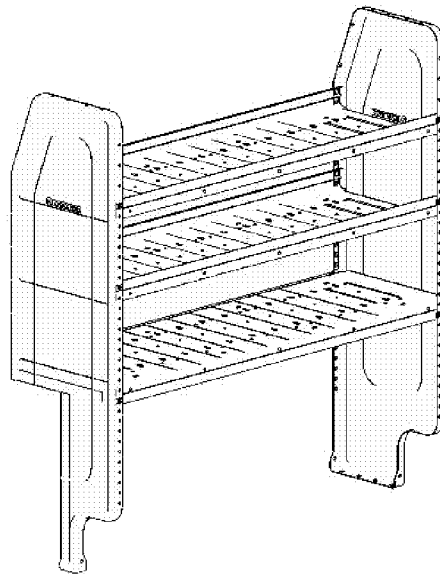




AD SERIES "KD STYLE"  
ADJUSTABLE STYLE SHELVING UNITS

# AD Series Shelving 44" for Rear Air Assembly and Installation

AD44RA SHOWN FOR ILLUSTRATION



Shown Configured  
For 3 shelves  
With bottom shelf  
flipped over.

ECN-14773    DATE: 05/10/12    DWG.BY: JLC    REV.BY:    CHK.BY:    ISSUE: C    P.N.: 35405-0



## AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### 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  
1/2" SOCKET W/RATCHET

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 35293-G & 35290-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.

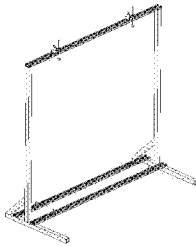


Figure 01

### 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.

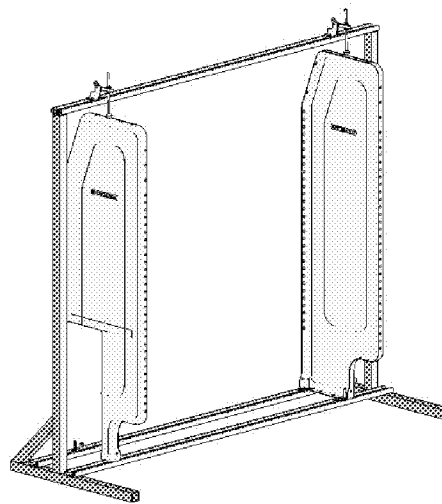
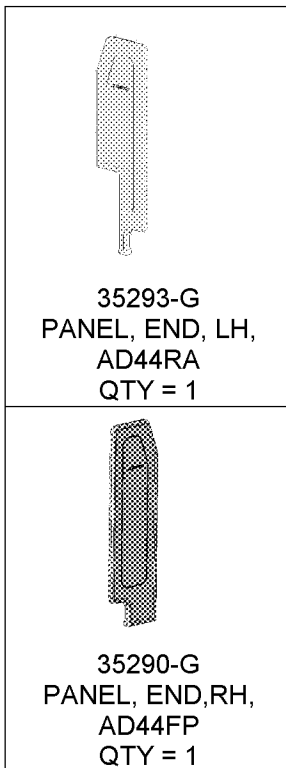


Figure 2

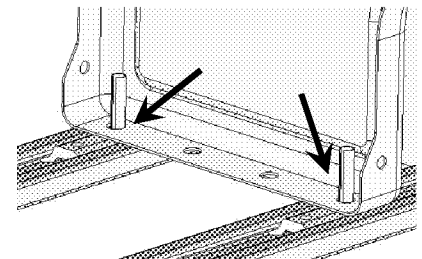


Figure 3

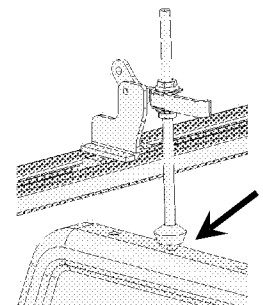


Figure 4

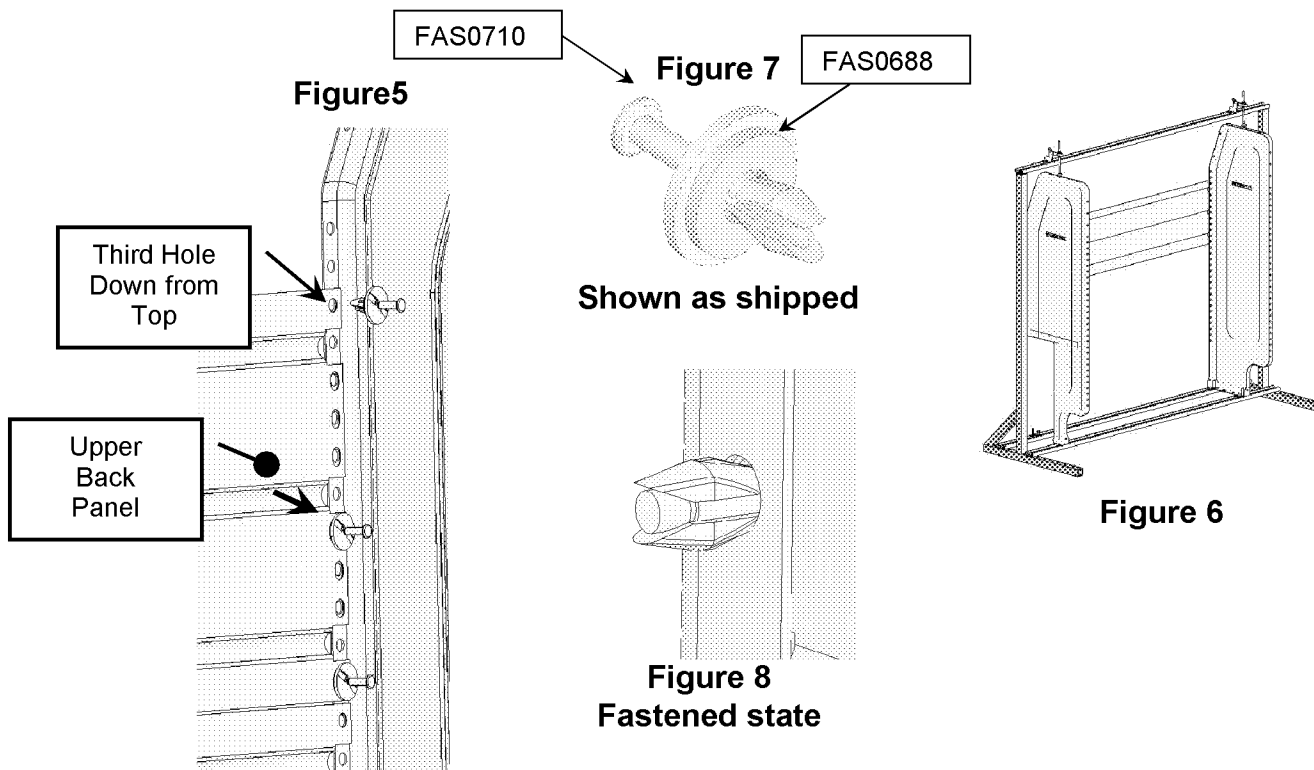
# AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

## Step 02 Back Panel (Upper) Installation

Place (6) removable, push-rivets (FAS0710) and EPDM washers (FAS0688) into the holes on each end of the back panel (35310-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 (3rd) 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.

**NOTE: For either of the shelving unit configurations shown on the cover page, the upper back panel is positioned and installed the same way.**

 <p>FAS0710 7/16" REMOVABLE RIVET QTY = 6</p>	 <p>FAS0688 WASHER, FLAT, EPDM, 3/8"ID QTY = 6</p>	 <p>35310-G 44" 35318-G 32" 35319-G 50" BACK PANEL QTY = 1</p>
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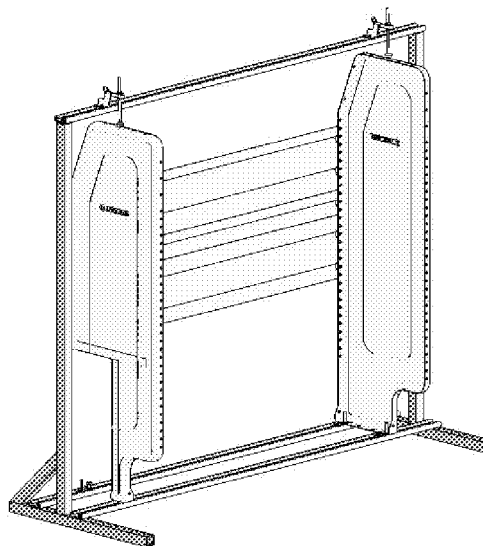
## AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### Step 03

#### Back Panel (Lower) Installation 35310-G & FAS0708

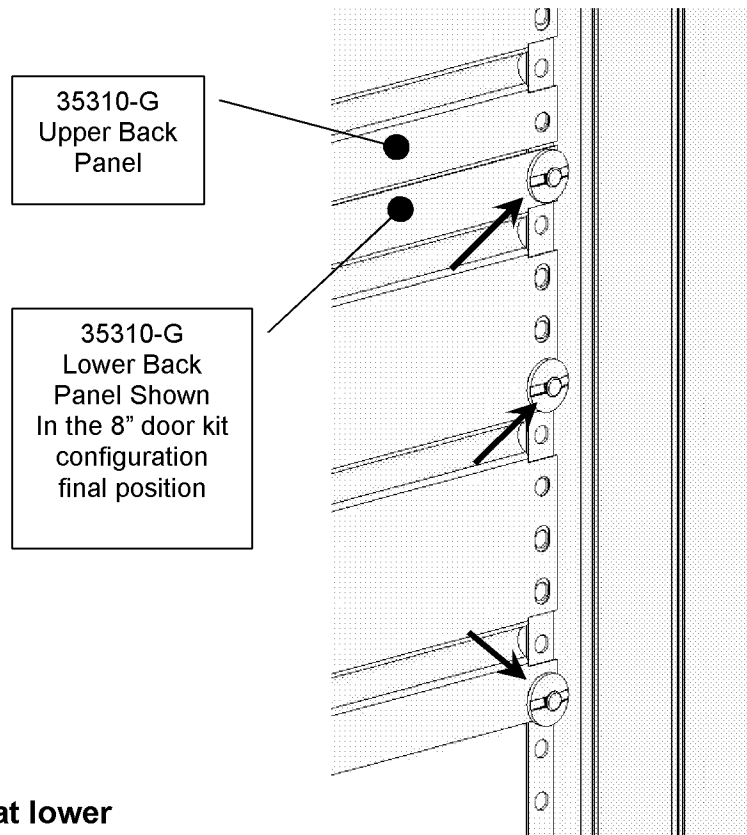
Install (6) removable, push-rivets (FAS0710) and EPDM (FAS0688) washers into the holes on each end of the back panel (35310-G) as shown in Fig.10. Do not push in the center post of the push-rivet at this time. Align the top push-rivets with the (1st) hole down from the upper back panel push-rivet as shown in Figure 10. Depress the locking column to secure the back panel to the end panel. Install the remaining (5) push-rivets. Back panel should be orientated with the cylindrical embossments (ribs) as shown.

 <p><b>FAS0710</b> 7/16" REMOVABLE RIVET QTY = 6</p>	 <p><b>FAS0688</b> WASHER, FLAT, EPDM, +3/8"ID QTY = 6</p>	 <p><b>35310/18/19-G</b> BACK PANEL QTY = 1</p>
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**Figure 9**

**NOTE: Back Panels will overlap at lower  
Dimple when full 17" height is  
required to clear Air Unit.**



**Figure 10**

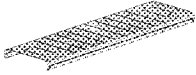

## AD SERIES "KD STYLE ADJUSTABLE STYLE SHELVING UNITS

### 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

 <p><b>35325-G 32"</b> <b>35328-G 50"</b> <b>35327-G 44"</b> SHELF, PAINTED QTY = 1</p>	 <p><b>FAS0061</b> SCREW, THP, 1/4-20UNC X 1/2" QTY = 2 ( 8 ft-lbs Torque )</p>
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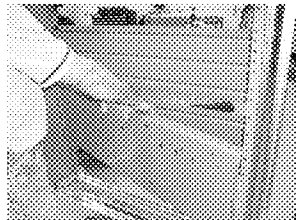


Figure 11



Figure 12

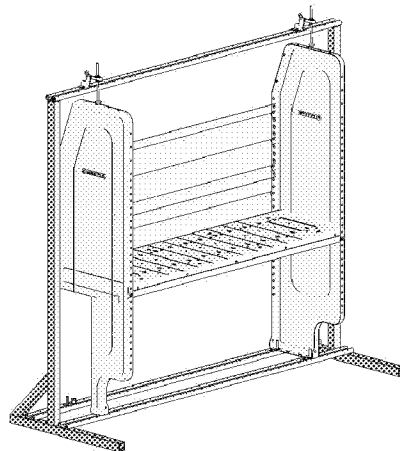


Figure 13

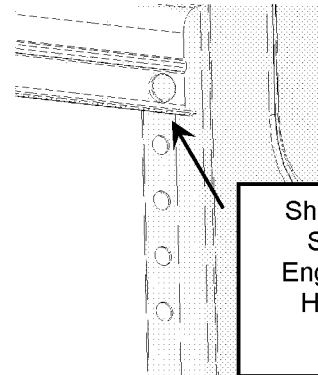


Figure 14

Shelf Weldment  
Stud Shown  
Engaged in 12th  
Hole Up from  
Bottom

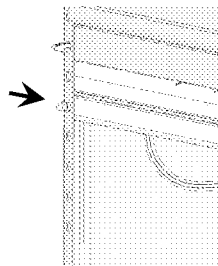


Figure 15

Shelf Weldment  
Stud Shown  
Engaged in 12th  
Hole Up from  
Bottom

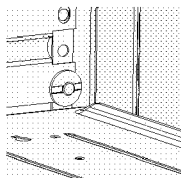


Figure 16

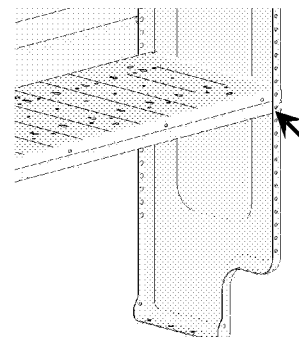
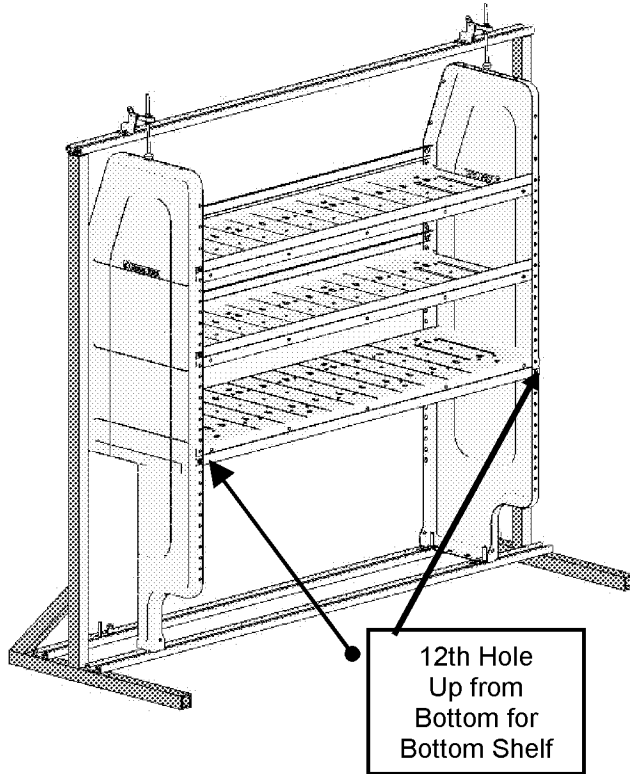


Figure 17

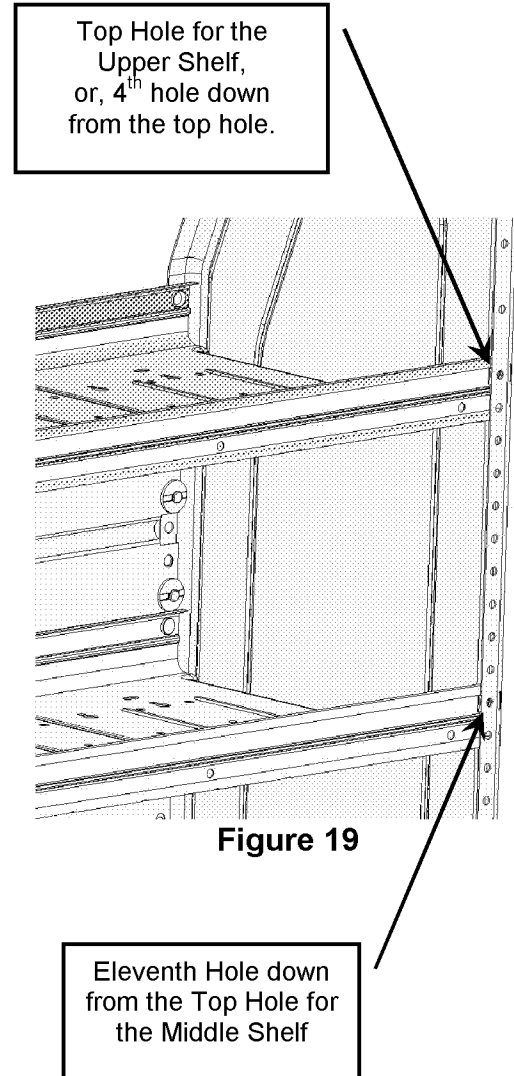
12h Hole  
Up from  
Bottom

## Step 05 Center & Upper Shelf Installation

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



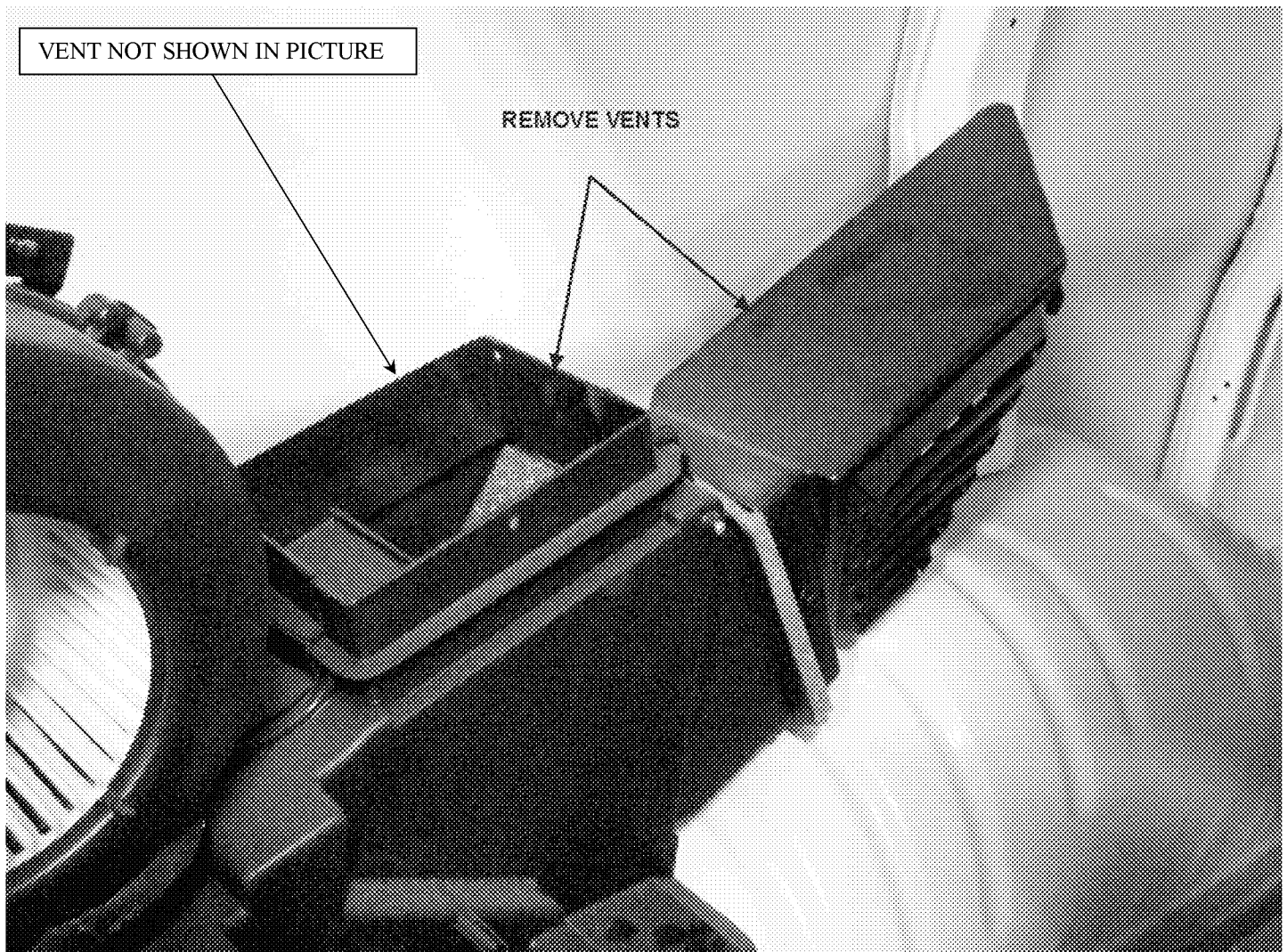
**Figure 18**



**Figure 19**




**Note: Middle shelf not recommended when KD Unit contains modular components (9,19,919...).**

**PRIOR TO INSTALLATION OF KD SHELVING IN VEHICLE.  
REMOVE "SNORKEL'S" REAR AIR VENTS  
AND STOW FOR END USER.  
THIS ALLOWS END PANEL TO BE PLACED UP TIGHT TO WALL  
PANELING.**





## Step 06 Typical Shelving Unit into FSV Installation ( Figure 20, 21, 22, 23 )

 <b>FAS0086</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 4	 <b>FAS0098</b> WASHER, FLAT, 5/16"ID QTY = 4	 <b>FAS0165</b> BOLT, HEX HD, 5/16-18UNC X 5/8"LG QTY = 4 TOTQUE TO 12ft 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

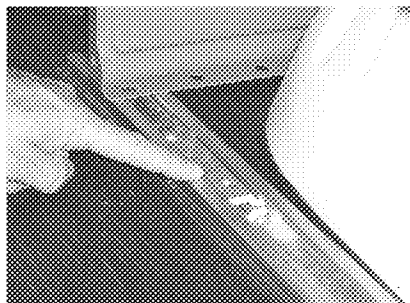


Figure 20

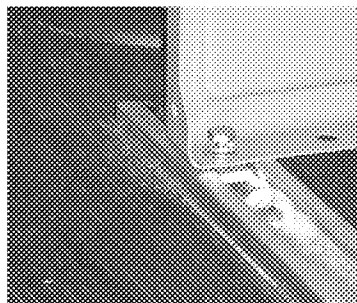


Figure 21

Locate the upper side wall rail extruded alum "sled" as shown in Fig. 22 and reposition the threaded hole directly behind the end panel flange thru hole as shown in Fig. 23. Secure shelf flange to the "sled" with fasteners listed above. 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.

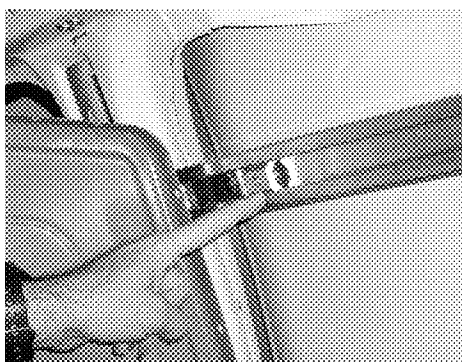


Figure 22

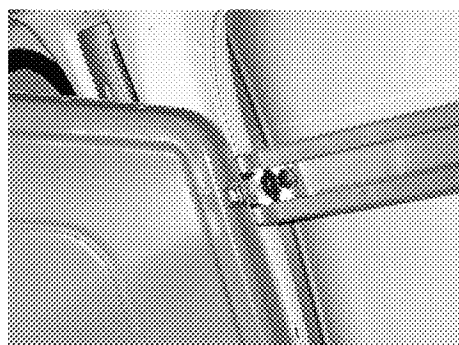





Figure 23

A

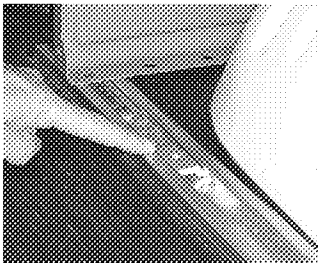
3 ST. •

**Step 07**  
**ASSEMBLING SHELVING UNITS DIRECTLY ONTO RAIL KITS**  
**( RKFSVLWB, RKFSVXLW, RKFSVLHD )**

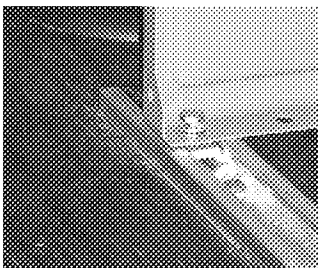
 <b>FAS0086</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 4	 <b>FAS0098</b> WASHER, FLAT, 5/16"ID QTY = 4	 <b>FAS0165</b> BOLT, HEX HD, 5/16-18UNC X 5/8"LG QTY = 4 TORQUE TO 12ft lbs.
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Install end panels into the vehicle and attach to the rail kits as in step 6.



Adjust initial position of both end panel to there approximant final position on the rails (curb or street side). 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.

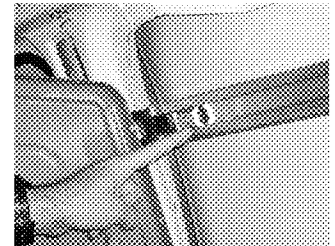


**Figure 24**

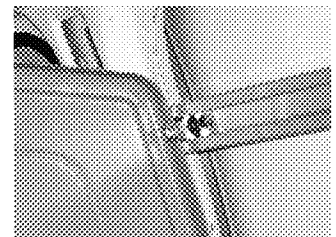


**Figure 25**

 <b>35293-G</b> PANEL, END, LH, AD44RA	 <b>35290-G</b> PANEL, END,RH, AD44FP QTY = 1
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**Figure 26**



**Figure 27**



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



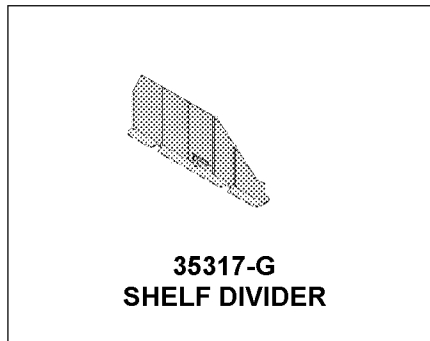


AD SERIES “KD STYLE  
ADJUSTABLE STYLE SHELVING UNITS

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

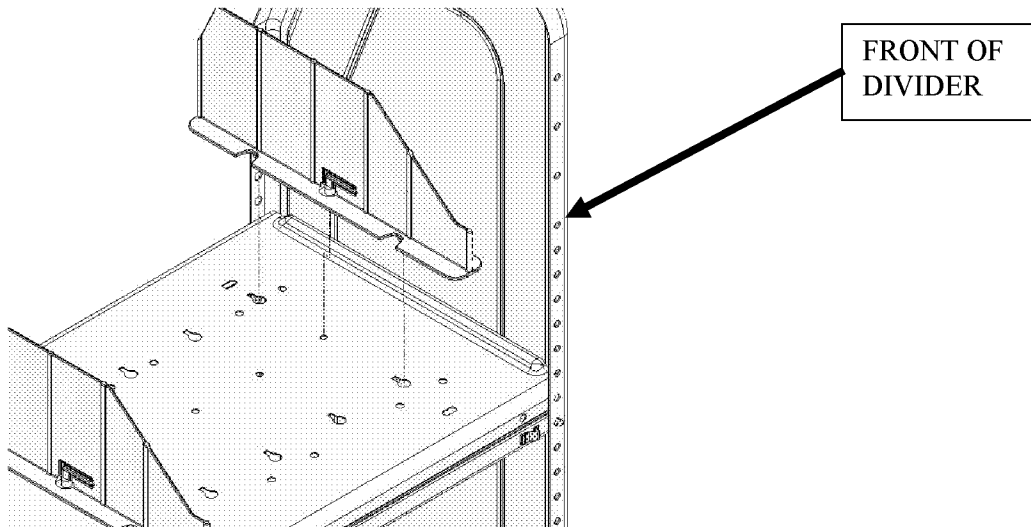
## DIVIDER KIT Installation Instructions

ORDER DIVIDERS SEPERATELY FOR AD32FP OR AD50FP SHELVES  
ALL OTHER INSTALLATION ARE THE SAME



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!**

