

# Stow-all Single & Stacked Configuration Installation Instructions

P.N.: 29317-0

ISSUE: E

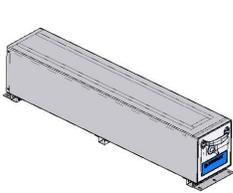
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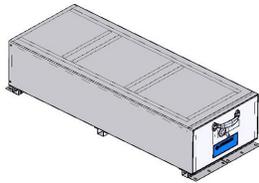
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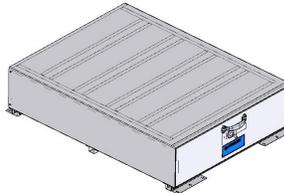
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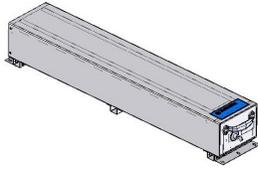
**SA-10**



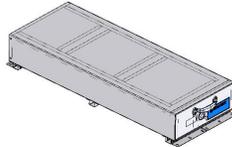
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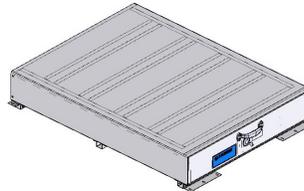
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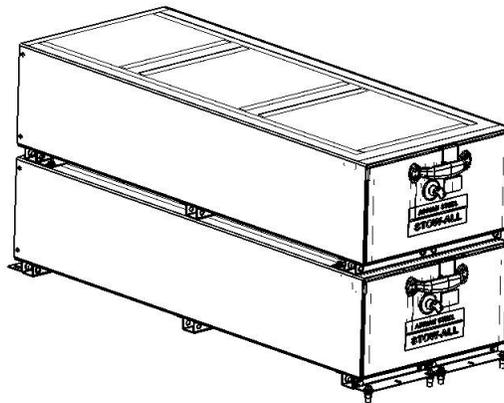
**SAJ-10**



**SAJ-20**



**SAJ-40**



**Typical Stacked STOWALL Installation  
 (SA-20 SHOWN)**

## STOWALL INSTALLATION INSTRUCTIONS

### 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.**

9/16" OPEN END WRENCH FOR SETTING PLUSNUTS,  
DRILL MOTOR, 1/2" DRILL BIT WITH 1/2" DEEP STOP  
SAFETY GLASSES, RATCHET WRENCH W/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.



# STOWALL INSTALLATION INSTRUCTIONS

Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE		DRILL SIZE (with stop)
1/4-20 PLUSNUT, FAS0052		3/8" DIAMETER
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.

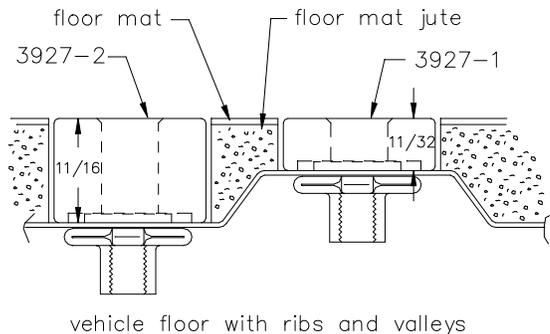
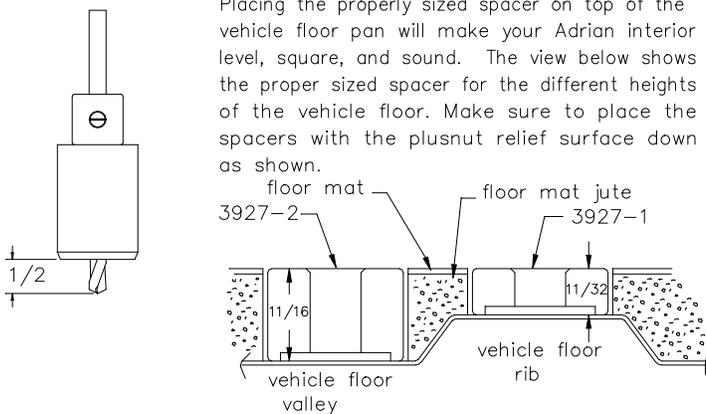
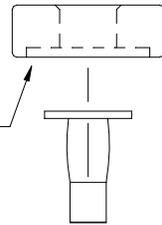
It is recommended that a drilling template be used to ensure an accurate placement of components is achieved for this installation.

Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.

### Spacer Use and Installation

3927-1 (SHOWN)

ALWAYS PLACE RECESSED PART OF FLOOR SPACER ON TOP OF PLUSNUT.



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.



**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.**



# STOWALL INSTALLATION INSTRUCTIONS

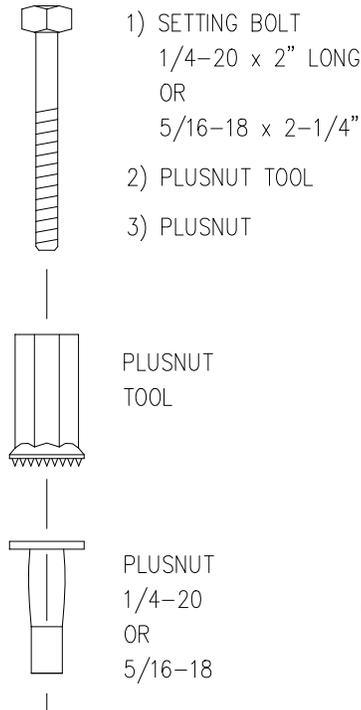
## VEHICLE PREPARATION, FLOOR MOUNTING LOCATIONS

 <p><b>03927-1</b> 11/32 C/F 1006 SPACER (4) REQUIRED</p>	 <p><b>03927-2</b> 11/16 C/F 1006 SPACER (4) REQUIRED</p>	 <p><b>FAS0091</b> 5/16" PLUSNUT (4) REQUIRED</p>	 <p><b>22200-0</b> PLUSNUT TOOL</p> <p><b>NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291-0</b></p>
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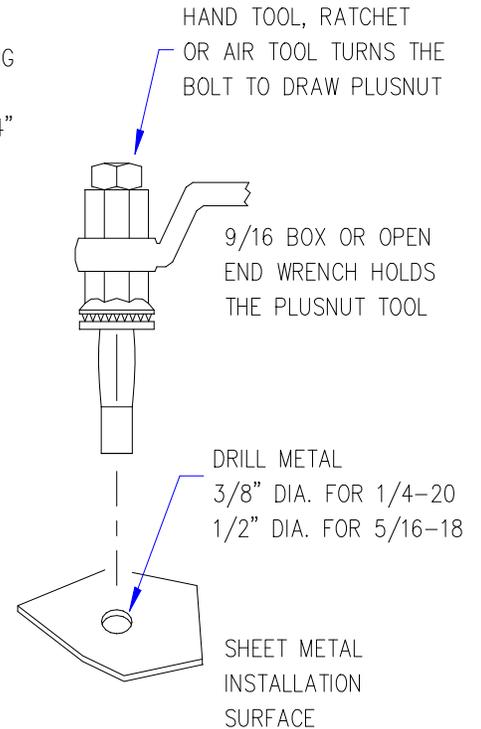
Using 1/2" drill bit with drill stop drill holes at the marks you made in the van floor.

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

### ASSEMBLE THE FOLLOWING



### SETTING THE PLUSNUT

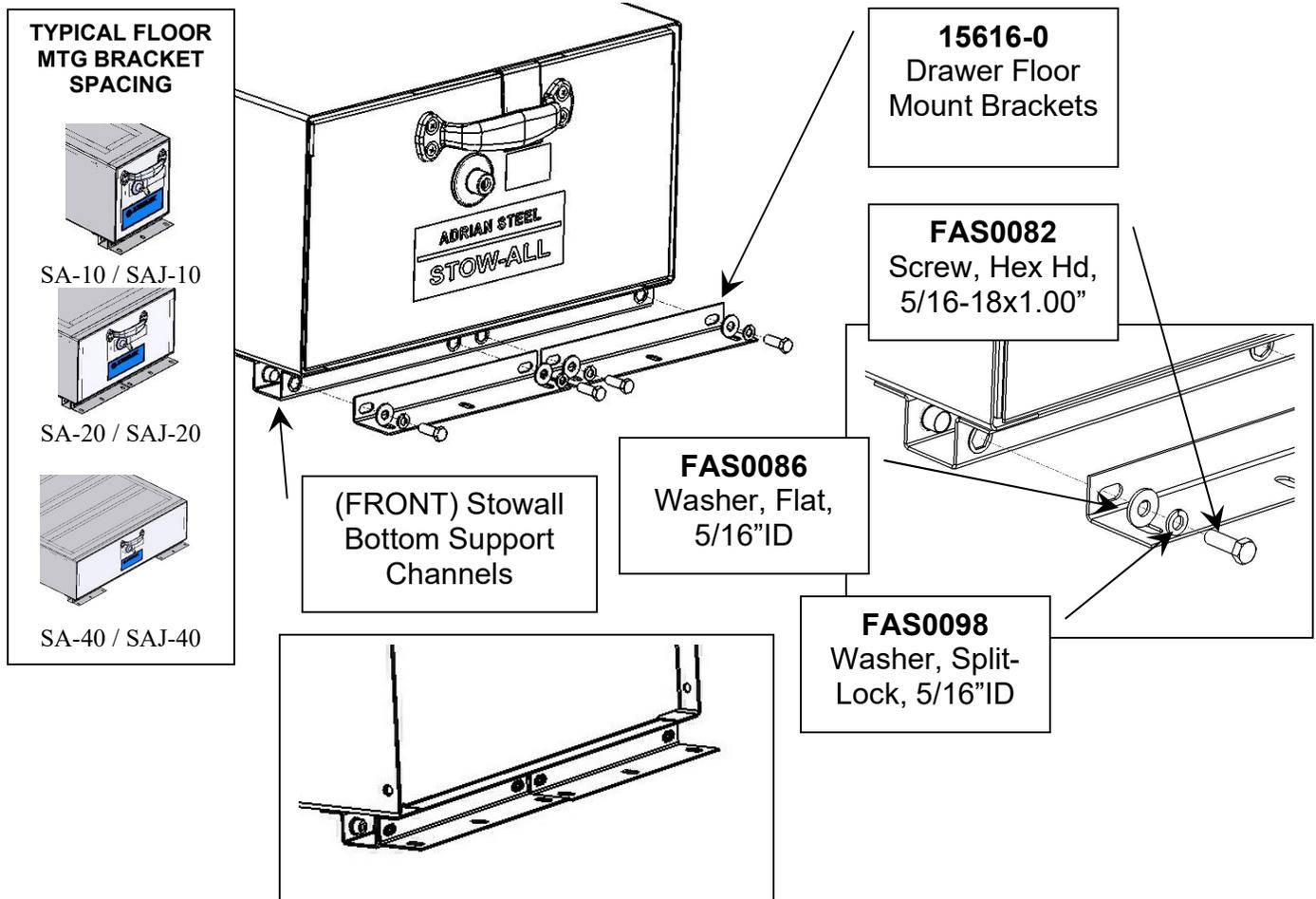


## STOWALL INSTALLATION INSTRUCTIONS

### STEP 01 “Drawer Floor Mounting Brackets to Stow-all Installation”

 <p><b>15616-0</b> MOUNT BRACKET, FLOOR, DRAWER QTY = 4 SA-20,40 SAJ-20,40 QTY =2 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0098</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0082</b> BOLT, HEX HD, 5/16-18UNC X 1.00" <u>Torque = 17 +/- 2 ft-lbs</u> QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>
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Align the Drawer Floor Mount Brackets with the bottom front and back Support Channels and secure with the fasteners listed above, tighten to recommended torque of **17 ft-lbs +/- 2 ft-lbs**.



## STOWALL INSTALLATION INSTRUCTIONS

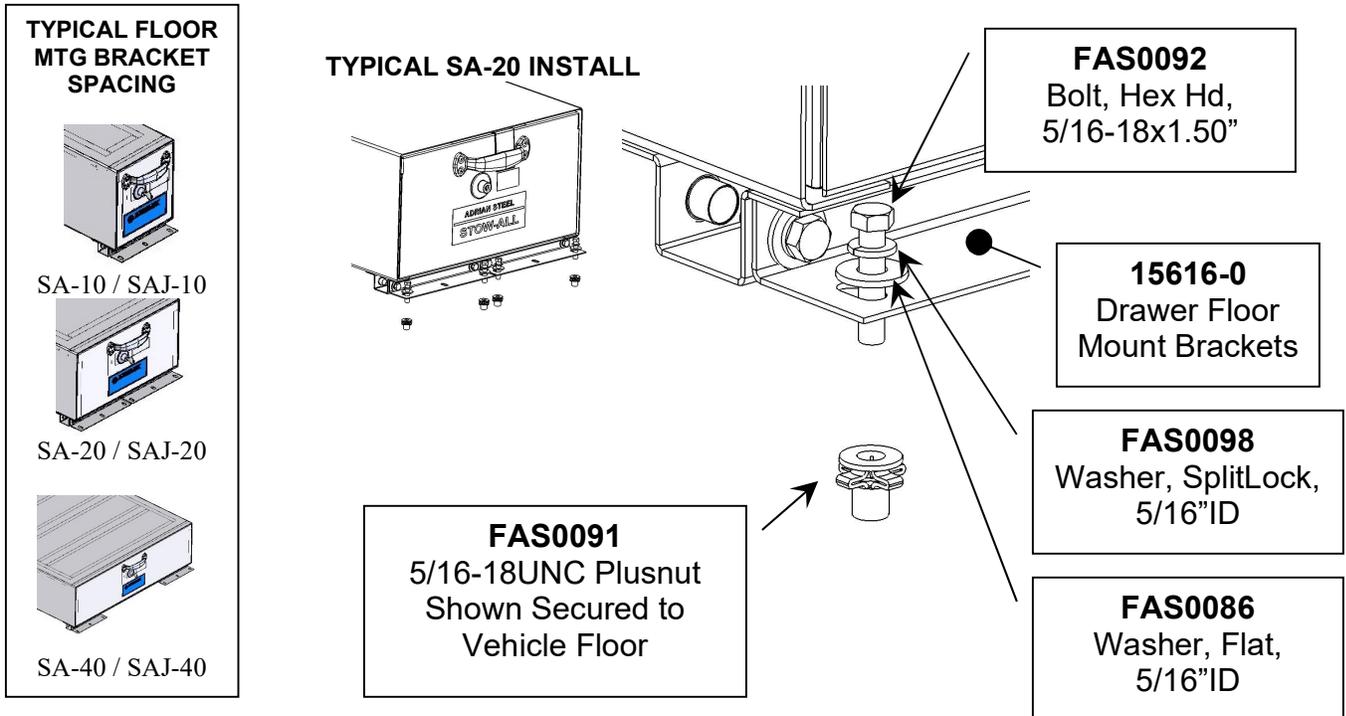
### STEP 02 "Plusnut-Stow-all-Vehicle Installation"

 <p><b>FAS0091</b> Plusnut, 5/16-18UNC QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0098</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0092</b> BOLT, HEX HD, 5/16-18UNC X 1.50" <b><u>Torque = 17 +/- 2 ft-lbs</u></b> QTY = 8 SA-20,40 SAJ-20,40 QTY =4 SA-10 &amp; SAJ-10</p>
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Place your Stow-all in desired position in vehicle (ref: PDS documentation). Mark the floor through slots in the Drawer Floor Mount Brackets in preparation for installing the 5/16-18UNC plusnuts. Remove Stow-all from vehicle and set aside at this time.

**NOTE: Before drilling through holes for plusnut installation inspect for electrical wiring, gas tank location, and/or control lines. Use drill bit with a stop collar as outlined in first part of this instruction.**

Once plusnuts have been installed, reposition Stow-all and align slots in the Drawer Floor Mount Brackets. Secure in place with the fasteners listed above and tighten to the recommended torque of **17 ft-lbs +/- 2 ft-lbs.**

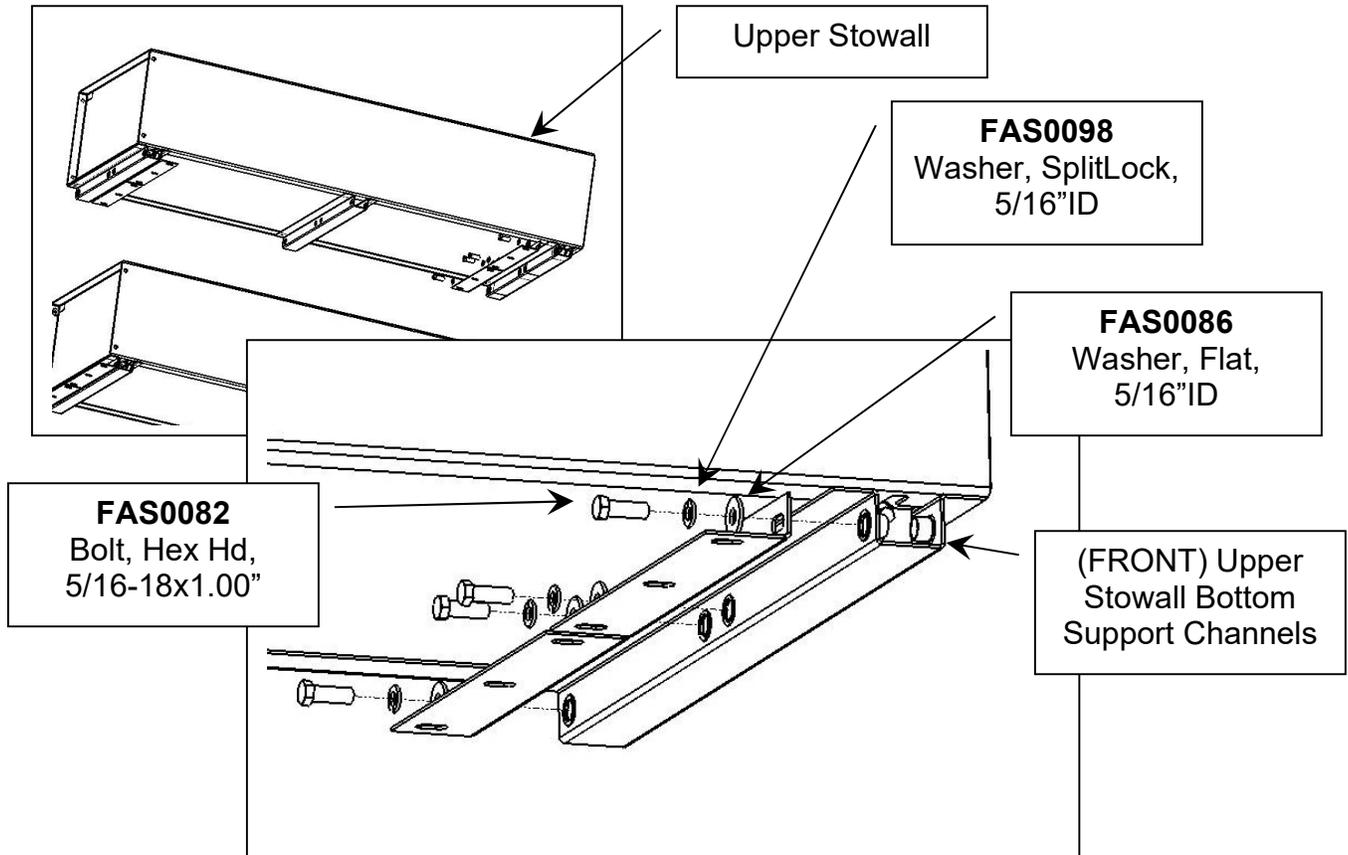


## STOWALL INSTALLATION INSTRUCTIONS

### STEP 03 “Drawer Floor Mounting Brackets to Upper Stow-all Installation”

 <p><b>15616-0</b> MOUNT BRACKET, FLOOR, DRAWER QTY = 4 SA-20,40 SAJ-20,40 QTY = 2 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0098</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY = 4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 8 SA-20,40 SAJ-20,40 QTY = 4 SA-10 &amp; SAJ-10</p>	 <p><b>FAS0082</b> BOLT, HEX HD, 5/16-18UNC X 1.00" <b><u>Torque = 17 +/- 2 ft-lbs</u></b> QTY = 8 SA-20,40 SAJ-20,40 QTY = 4 SA-10 &amp; SAJ-10</p>
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Align the Drawer Floor Mount Brackets with the bottom front and back Support Channels on the upper Stow-all and secure with the fasteners listed above, tighten to recommended torque of **17 ft-lbs +/- 2 ft-lbs**.



# STOWALL INSTALLATION INSTRUCTIONS

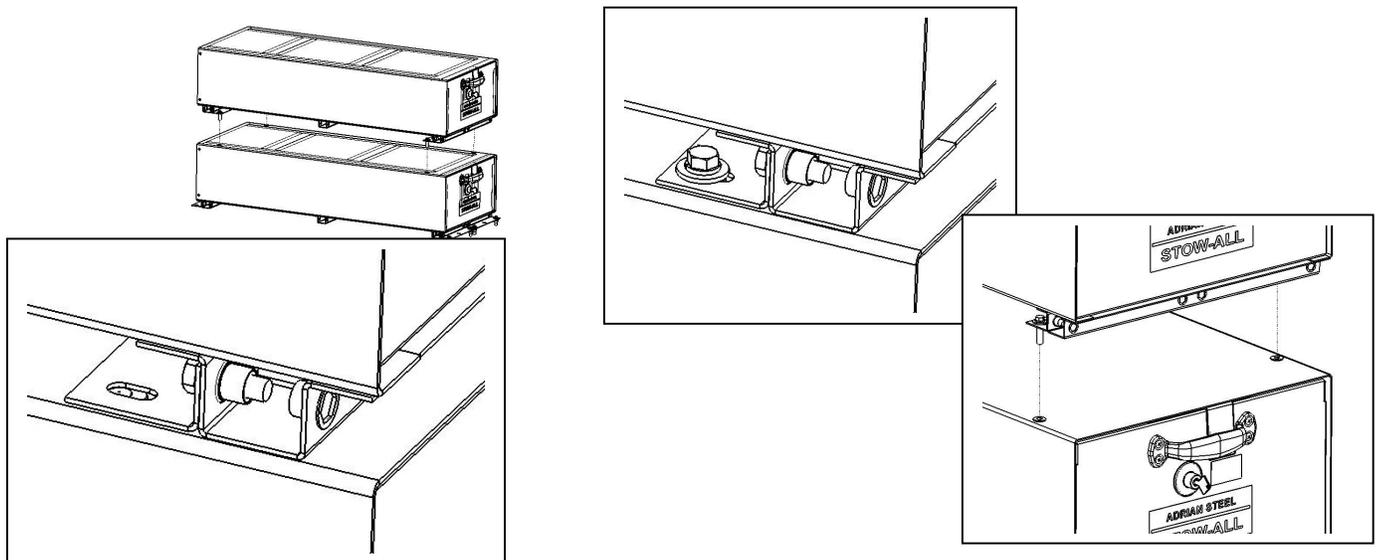
## STEP 04 "Plusnut-Upper Stow-all Installation"

 <p><b>FAS0091</b> Plusnut, 5/16-18UNC QTY = 4 SA-10,20,40 SAJ-10,20,40</p>	 <p><b>FAS0098</b> WASHER, SPLIT LOCK, 5/16"ID QTY = 4 SA-10,20,40 SAJ-10,20,40</p>	 <p><b>FAS0086</b> WASHER, FLAT, 5/16"ID QTY = 4 SA-10,20,40 SAJ-10,20,40</p>	 <p><b>FAS0092</b> BOLT, HEX HD, 5/16-18UNC X 1.50" <b><u>Torque = 17 +/- 2 ft-lbs</u></b> QTY = 4 SA-10,20,40 SAJ-10,20,40</p>
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Place your Upper Stow-all on top of the previously installed Stow-all as shown in detail views below. Mark the (4) outer corner floor through slots in the Drawer Floor Mount Brackets in preparation for installing the 5/16-18UNC plusnuts into the lower Stow-all. Remove the upper Stow-all from vehicle and set aside at this time.

**NOTE:** After drilling through the outer wrapper of the lower Stowall, continue drilling through the inner Rail Channels spot welded to the upper interior surface of the lower Stow-all wrapper. This will allow clearance for the plusnut body required for proper seating of the plusnuts.

Once plusnuts have been installed in the lower Stow-all, reposition upper Stow-all and align slots in the Drawer Floor Mount Brackets. Secure in place with the fasteners listed above and tighten to the recommended torque of **17 ft-lbs +/- 2 ft-lbs**.



## STOWALL INSTALLATION INSTRUCTIONS

### ATTENTION!

It is advised that “all fasteners” that assemble and install your Stow-all is “checked for tightness” at (2) weeks operation and then rechecked again at (6) weeks of operation.

Assembly fasteners could loosen due to vibration through your vehicle while on the road or in and out of construction sites.

This is a preventative maintenance step to ensure your Stow-all give you a long service life.



**ATTENTION INSTALLERS!** Any seat belt components including not limited to buckles and retractors that are removed during installation must be reconnected (electrically) and secured in the vehicle upon completion. Failure to do so will result in warning lamps and possible disablement of the air bag system.



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



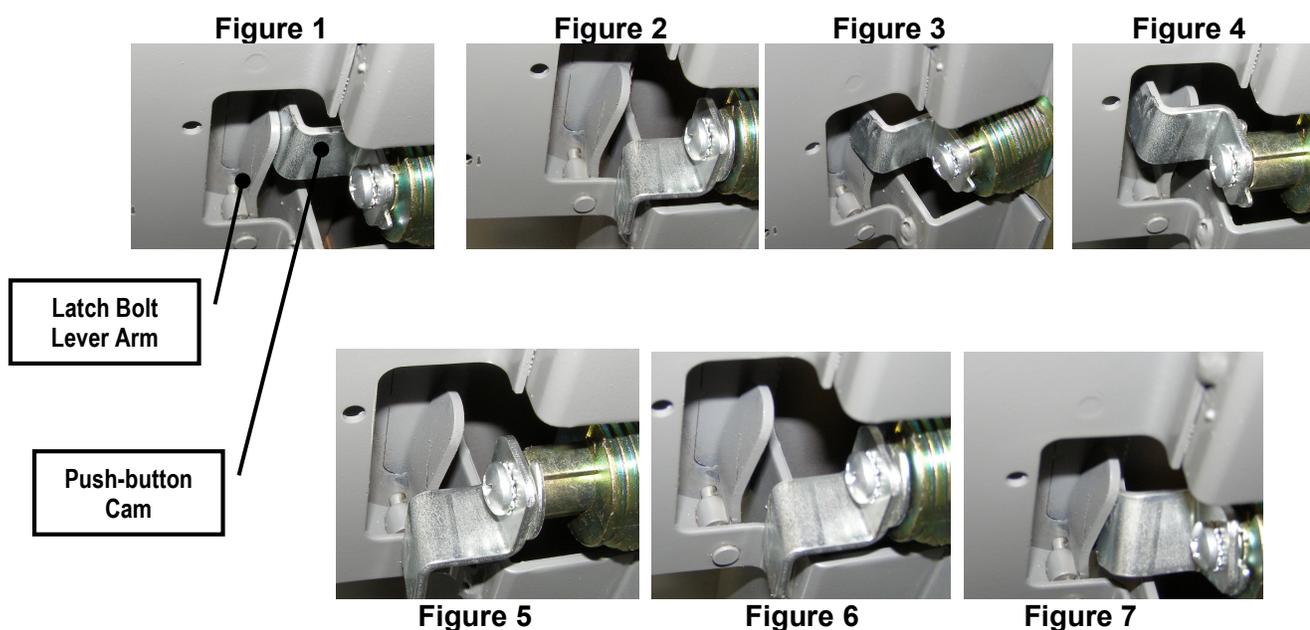
**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE  
VEHICLE FOR FUTURE REFERENCE!**

### NOTE!

**For Stow-all Drawer units that Will Not Open  
See the next two sections for Field Fix Options**

## STOWALL INSTALLATION INSTRUCTIONS

### Stow-all Drawer Will Not Open Field Fix Option #1 “Push-button Cam (29146-0) to Latch Bolt Asm Lever Arm (34102-0) Hdw Re-alignment”



**Figure 1**

Nominal push-button cam to latch bolt assembly lever arm configuration for proper opening and closing of your stow-all.

**Figure 2**

Shows the push-button cam in the normal “drawer locked position”.

**Figure 3**

Shows misalignment of hardware, stow-all drawer will not open when pushbutton is depressed.

**Figure 4**

Realignment begins by inserting the key into the push-button and fully depressing the push-button mechanism.

**Figure 5**

While push-button is fully depressed, rotate key 90 deg. Clockwise.

**Figure 6**

Remove force holding the push-button fully depressed and allow to return to normal position.

**Figure 7**

Rotate key 90 deg. Counter-Clockwise. This should allow the push-button cam to engage behind the latch bolt asm lever arm. When key is returned to the original starting position, the push-button latch cam and latch bolt lever arm should be as shown in *Figure 1*. Normal stow-all drawer operation should be

## STOWALL INSTALLATION INSTRUCTIONS

possible at this time. If not, repeat procedure one more time. If after the second attempt fails, proceed to next section (Field Fix Option #2).

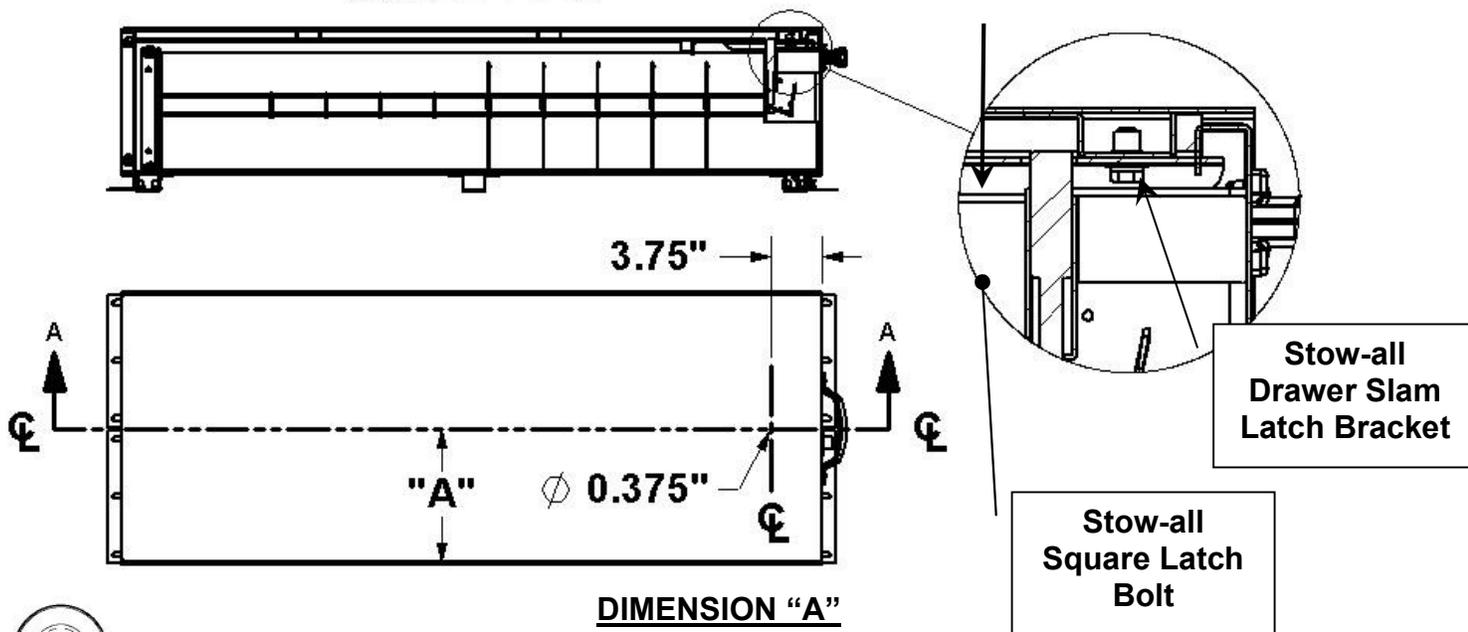
**Stow-all Drawer Will Not Open Field Fix Option #2**  
**“Manual depressing the Latch Bolt through access hole in stow-all outer housing”**  
**(similar to 29529-0)**

Measure (2) centerlines on top of your Stowall per dimensions shown below and mark centerline crossing point with a permanent marker. Drill a 0.375" diameter hole through the top surface of the stow-all outer housing.

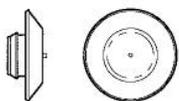
Using a 0.25" diameter rod (drill rod, screwdriver, etc) depress the square latch bolt until the latch bolt disengages from the drawer slam latch bracket and pull out drawer.

Clean out any burrs in the hole left from drilling using a de-burring tool or small rat-tail file. Insert the 3/8" diameter cap plug (21407-0) into the hole and tap the Cap Plug into the hole securely.

**SECTION A-A**  
**SCALE 1 : 12**



**DIMENSION "A"**  
 SA-10 / SAJ-10 = 5"  
 SA-20 / SAJ-20 = 10"  
 SA-30 / SAJ-30 = 14.812"



**CAP PLUG**  
**(21407-0)**