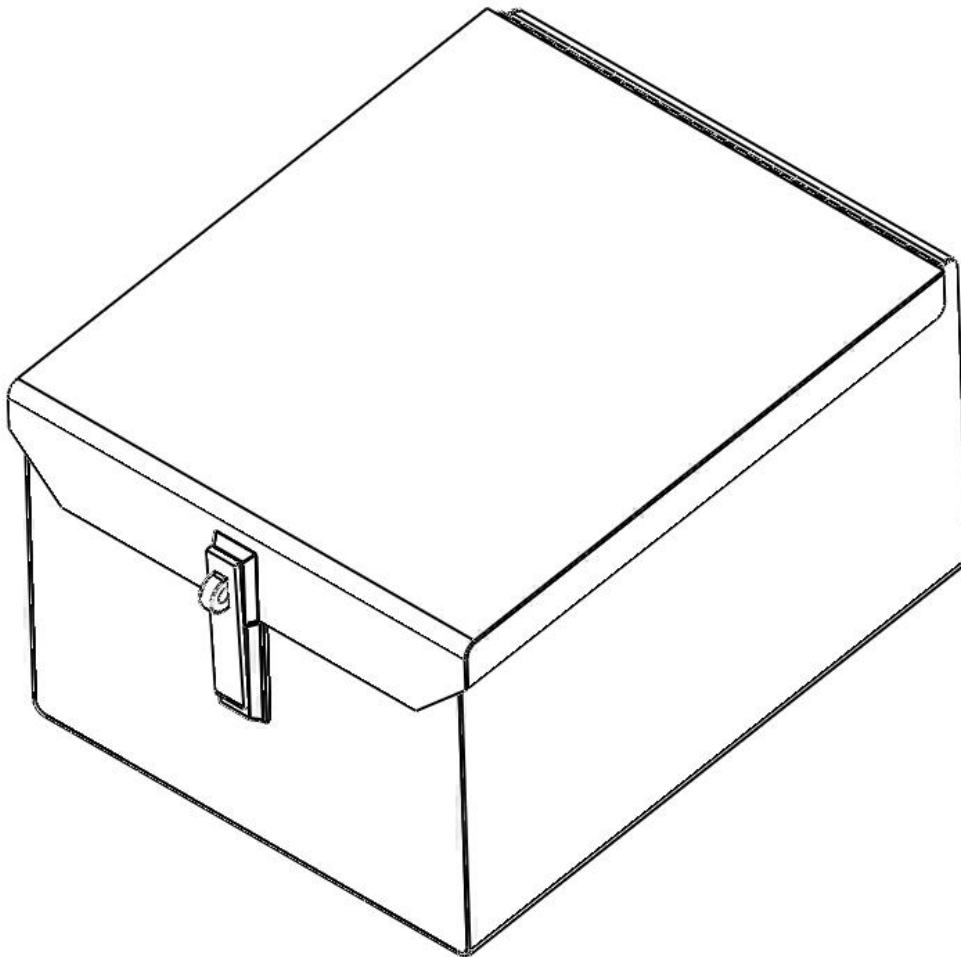




**ADRIAN STEEL®**

*Cargo Management Solutions for Commercial Vehicles*

## **Assembly/Installation Instructions and Owners Manual**



### **LKB1 ALUMINUM LOCK BOX**

## - 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.

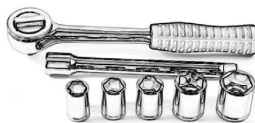
### THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH  
STOP



RATCHET, SOCKETS  
AND/OR WRENCHES



SCREWDRIVERS



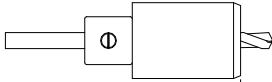


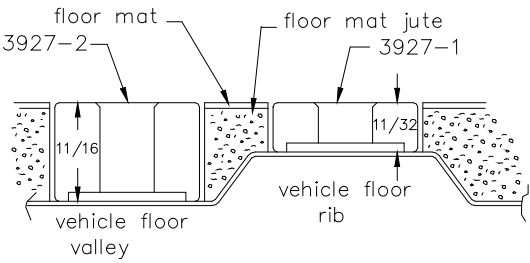
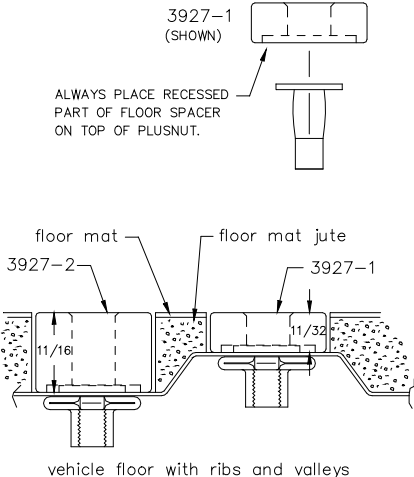
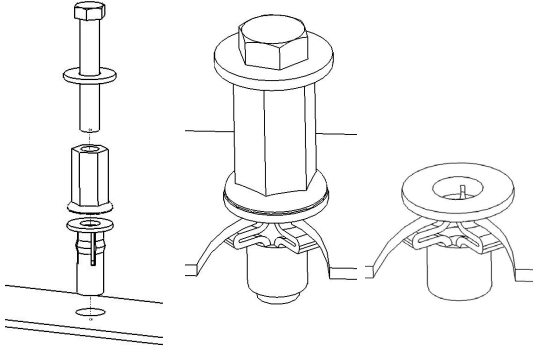
MEASURING TAPE

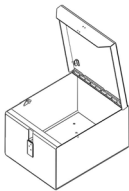
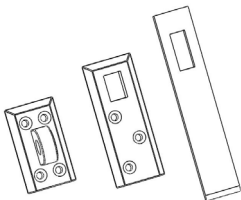
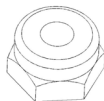

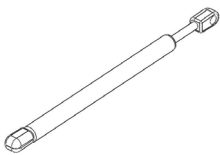

ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.



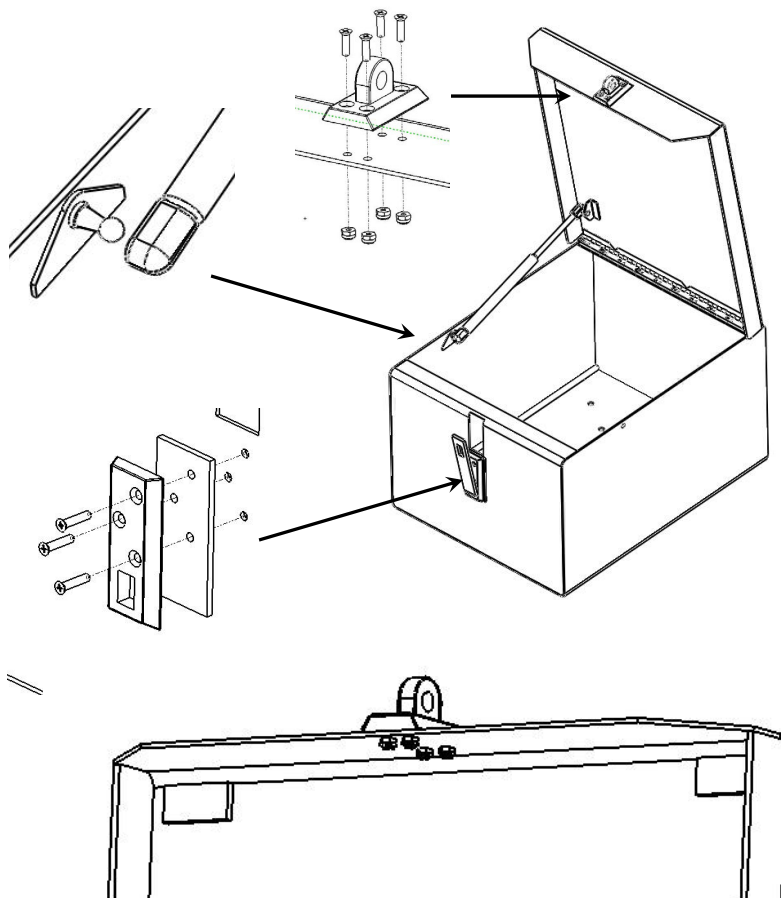
**WHEN INSTALLING PLUSNUTS MAKE SURE YOU USE THE CORRECT DRILL BIT WITH A STOP!**

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> 	

	<h2>Step 01</h2> <p><b>Optional Based on Vehicle</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 mounting, proceed to <b>STEP 02</b>.</p>
	<h2>Step 02</h2> <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>
	<h2>Step 03</h2> <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><b>1/4-20UNC Plusnut (FAS0052)</b>      FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8      FAS0067 WASHER, FLAT, 1/4"ID      22200-0 PLUSNUT TOOL</p> <p><b>5/16-18UNC Plusnut (FAS0091)</b>      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 04</b>	38390-B, LOCK BOX WELDMENT (1) REQUIRED	21161-0, LOCK HASP SET (1) REQUIRED	FAS0029, NYLOCK NUT TORQUE TO 3FT. LBS (7) REQUIRED	FAS0032, FH SCREW TORQUE TO 3FT. LBS (7) REQUIRED
				
	30013-0, GAS SHOCK (1) REQUIRED	45265 FOAM PAD 0.25X1.25X3 (1) REQUIRED		
				

## Instructions for Step 04



Attach lock strike to lid as shown using four (4) #10-24 X 3/4" flat head phillips screws (FAS0748) and four (4) #10-24 nylock nuts (FAS0029). Torque to 3 ft. lbs.

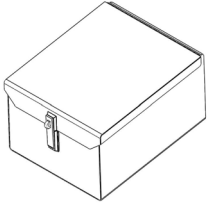



Attach lock base and hasp to body as shown using four (3) #10-24 X 1" flat head phillips screws (FAS0032) and four (3) #10-24 nylock nuts (FAS0029). Torque to 3 ft. lbs.

Attach gas shock (30013-0) to body and lid as shown by snapping the end fittings onto pivot brackets.

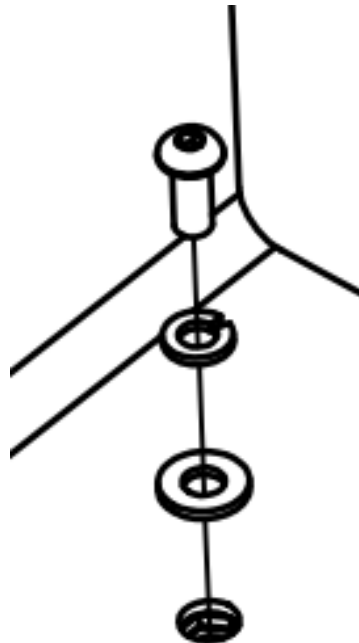
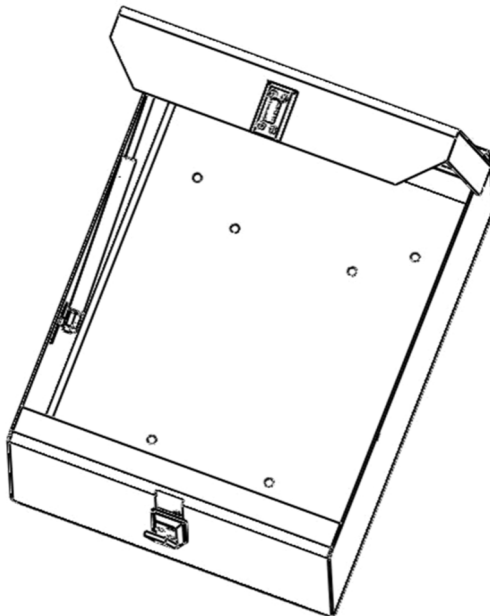
Cut the 3" long foam pad (45265) in half (1.5" lg pcs) and apply to the inside corners of the lid assembly as shown at bottom left view.

Your lockbox assembly is now ready for installation into the vehicle.

## Step 05A for EV only. Step 05B for non-EV

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 05A</b>	LKB1, LOCK BOX (1) REQUIRED	FAS0668, SCREW 5/16-18X.75, SS (4) REQUIRED	FAS0588, LOCK WASH- ER, 5/16, SS (4) REQUIRED	FAS0552, FLAT WASH- ER, 5/16, SS (4) REQUIRED
				

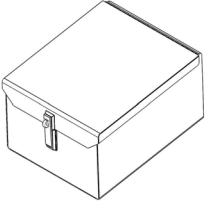
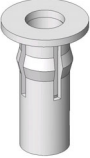



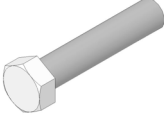
## Instructions for Step 05A for EV



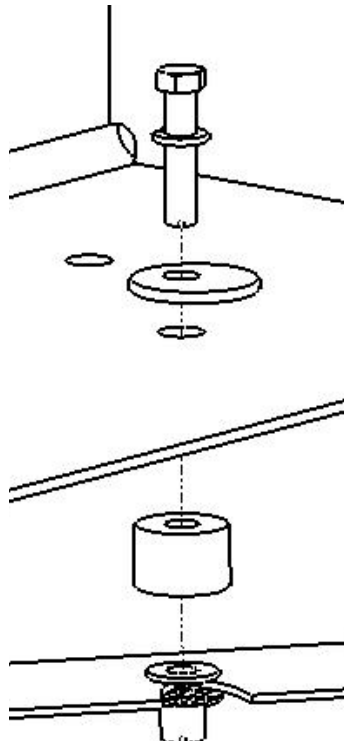
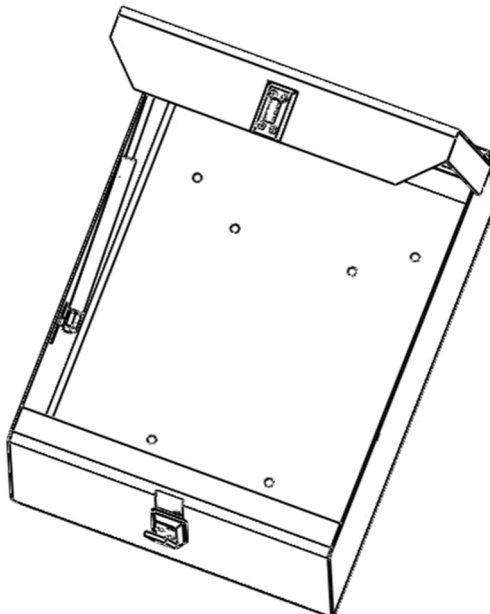
If vehicle has a subfloor, set floor plate in place, center punch through each rivnut, move floor plate aside and cut 1/2" hole with hole saw in subfloor only for rivnuts to rest down in.

Mount the lock box to the no-drill floor plate using the provided fasteners from the floor plate kit as shown.

## Step 05A for EV only. Step 05B for non-EV

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 05B</b>	LKB1, LOCK BOX (1) REQUIRED	FAS0091, 5/16" PLUSNUT (4) REQUIRED	21166-0, ECCENTRIC WASHER (4) REQUIRED	FAS0098, 5/16" LOCK WASHER (4) REQUIRED
				
	03927-2, FLOOR SPACER (4) REQUIRED	FAS0092, 5/16-18x1.5 HEX BOLT GR 8 (4) REQUIRED		
				

## Instructions for Step 05B for non-EV



Now Place the lockbox in the desired location in the vehicle and mark the four locations for the plusnuts. Refer to page 3 of these instructions for setting the plusnuts.

Once your plusnuts are in place you can secure the unit using the 5/16" X 1-1/2" bolts, 5/16" lock-washers and eccentric washer for each of the four plus-nut positions.