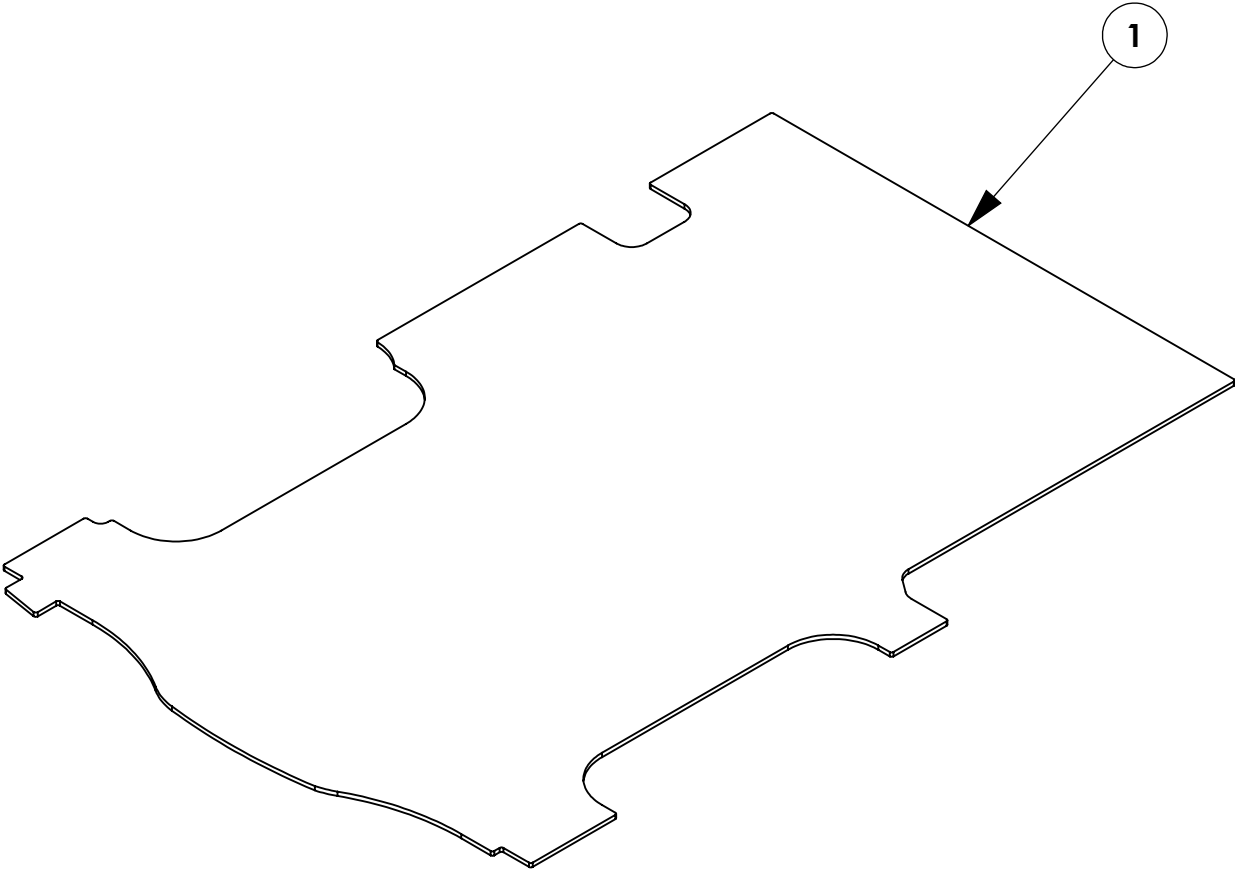


INSTR. : <b>49934</b>		PG: <b>1</b>	REV: <b>D</b>	ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART . <b>89-GMLWB</b>				1	46438	COMP FLOOR FOR LMB GM	1
PART . <b>89-GMXLWB</b>							
PART • COMPOSITE FLOOR FOR							
DESC. • LMB GM							



**NOTE: THIS INSTRUCTION IS USED  
FOR 135" (46438) AND 155" (46439)  
WHEEL BASES OF THE GM FSV**

**GET TO KNOW THE VEHICLE** - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

**SEAL ALL EXTERIOR HOLES** - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

**CONTROL DRILL DEPTH** - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

**ALWAYS ADD PRIMER** - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

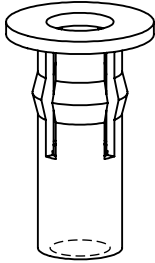
**MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT** - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

**PROVIDE CLEARANCE FOR SPACERS** - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

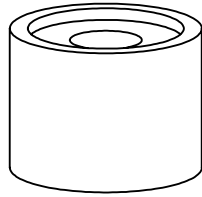
**CHECK SPACER ORIENTATION** - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

**PLUSNUT INSTALLATION** - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

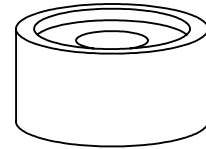
**THRU-BOLT CLEARANCE** - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

**FASTENERS USED**

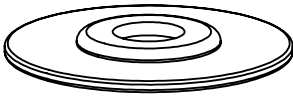
**FAS0091**  
**5/16-18 PB DC**  
**PLUSNUT**  
**QTY: 6**



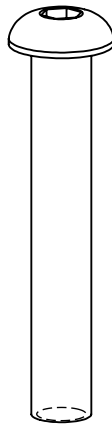
**FAS0832**  
**3/4 ZP**  
**TALL SPACER**  
**QTY: 10**



**FAS0831**  
**C1006 1/2 ZP**  
**FLR SPACER**  
**QTY: 10**



**FAS0833**  
**1.5" CUP FLANGED**  
**WASHER**  
**QTY: 6**



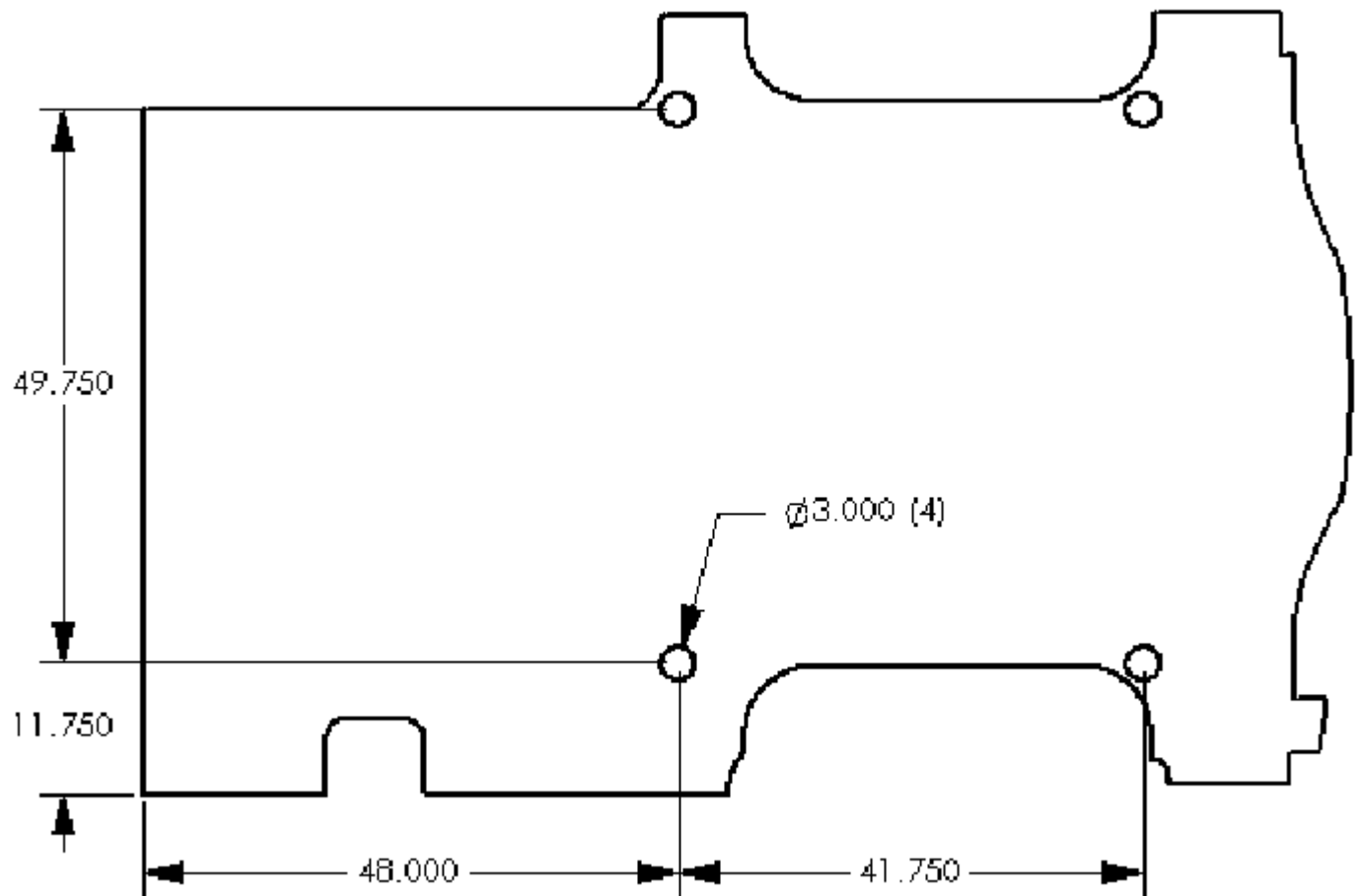
**FAS0048**  
**5/16-18X2.0 BLK**  
**BHCS SCREW**  
**QTY: 6**



**FAS0098**  
**5/16 ZP**  
**LCK SPLIT WASHER**  
**QTY: 6**

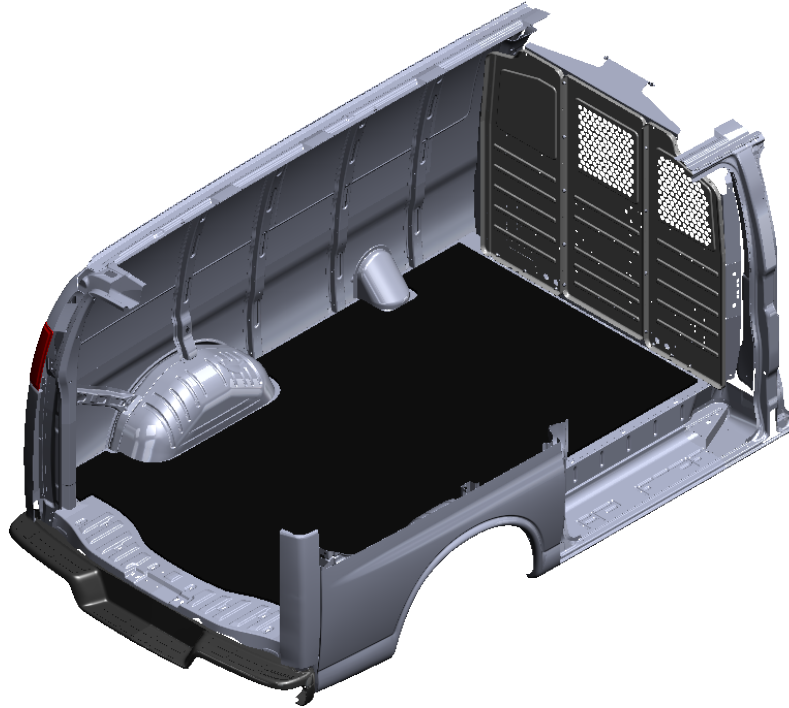
**(OPTIONAL) D-RING RELIEF CUTS**

**IF YOUR GM 135" WB VAN HAS D-RINGS AND YOU WOULD LIKE TO HAVE ACCESS HOLES IN THE COMPOSITE FLOOR, USE THE BELOW DIMENSIONS TO DRILL (4) 3" DIAMETER HOLES IN THE COMPOSITE FLOOR.**



**BEGIN ASSEMBLY**

**STEP 1 - PLACE THE LINER INTO THE VEHICLE AS SHOWN FOR BOTH 135" AND 155" WHEEL BASES. LINER DOES NOT GO UNDER THE PARTITION UNLESS PARTITION HAS 3" SETBACK WINGS.**



**STEP 2 - (135" WB) DRILL (6)  $\phi$  1.25 HOLES AT EACH MOUNTING LOCATION SHOWN (ON TOP OF THE RIB IS PREFERRED)**

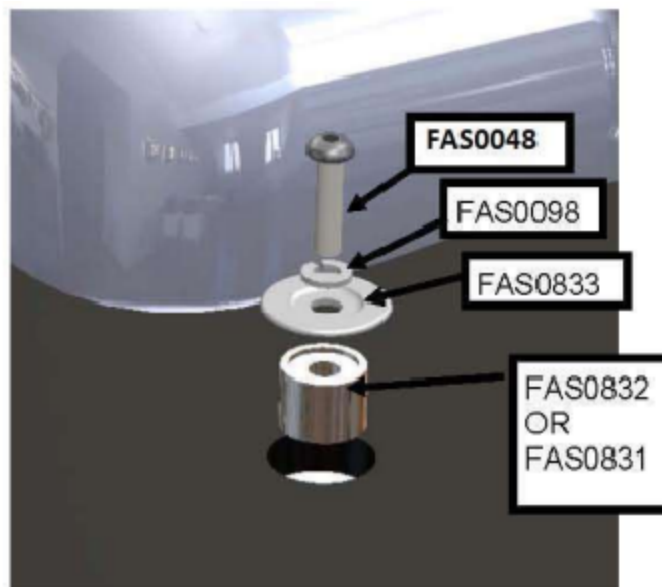


**STEP 2 - (155" WB) DRILL (6)  $\phi$  1.25 HOLES AT EACH MOUNTING LOCATION SHOWN (ON TOP OF THE RIB IS PREFERRED)**



**STEP 3 - DRILL AND SET PLUSNUTS (FAS0091) CENTERED IN THE HOLES THAT WERE JUST DRILLED IN THE FLOOR LINER**

**STEP 4 - INSTALL SPACERS AND FASTENERS AS SHOWN BELOW. USE THE SPACER THAT ALLOWS THE CUP WASHER TO SIT INSIDE THE LIP ON THE TOP OF THE SPACER. THIS WILL VARY BETWEEN MOUNTING POINTS.**



**EXAMPLE OF KD INSTALLED ON FLOOR**

1.25" HOLE WITH SPACER MUST BE USED UNDER KD UNIT, SEE KD UNIT INSTALL INSTRUCTIONS FOR MOUNTING OF KD. STORE INSTRUCTIONS IN VEHICLE FOR END USER.

**NOTE: IF YOU NEED TO DRILL HOLES IN THE FLOOR FOR ADDITIONAL KD UNITS OR PRODUCT, YOU MUST MARK THE FLOOR WITH DESIRED HOLES, PULL IT OUT OF THE VAN, OR PROP IT UP TO LIFT OFF THE OEM FLOOR. NOT DOING THIS COULD RESULT IN DRILLING THROUGH THE OEM FLOOR.**

