

FASTENER GROUPS LISTED BELOW ARE USED FOR ASSEMBLY AND INSTALLATION. **SOME ASSEMBLY DRILLING IS REQUIRED.** PARTITION INSTRUCTIONS & FASTENERS ARE WITH THAT UNIT. USE KD UNIT DRAWINGS TO IDENTIFY THEIR SEPARATE PARTS. CUSTOMER SPECIFIED SHELF DIMENSIONS ARE SHOWN HERE.

SYM.	FASTENERS	QTY	DRILL
ASSEMBLY FASTENERS			
●	{ 1/4-20 x 1/2" THP.SCW. (32) } { 1/4-20 HX. FLANGE NUT (32) }		9/32
●	{ 1/4-20 x 3/4" HX.HD.SCW. (4) } { 1/4-20 HX. FLANGE NUT (8) }		9/32
INSTALLATION FASTENERS			
●	1/4-20 PLUSNUT "PB" (4) 1/4-20 x 1" HH.SCW.FT (4) 1/4 PLN WASH (4) 1/4 SPLIT RING L'WASHER (4)		13/32
●	1/4-20 PLUSNUT "PB" (3) 1/4-20 x 1-1/2" HH.SCW.FT (3) 1/4 PLN WASH (3) 1/4 SPLIT RING L'WASHER (3)		13/32
●	1/4 PLN. WASHER (6) 1/4-20 HX.STOP NUT (3) 1/4-20 x 1-1/2" HH.SCW.FT (3) 1/2 PLN. WASHER (3)		9/32
	PLUSNUT TOOL (1)		

ADRIAN STEEL CO.
906 JAMES STREET
ADRIAN, MI 49221
517/285-6194

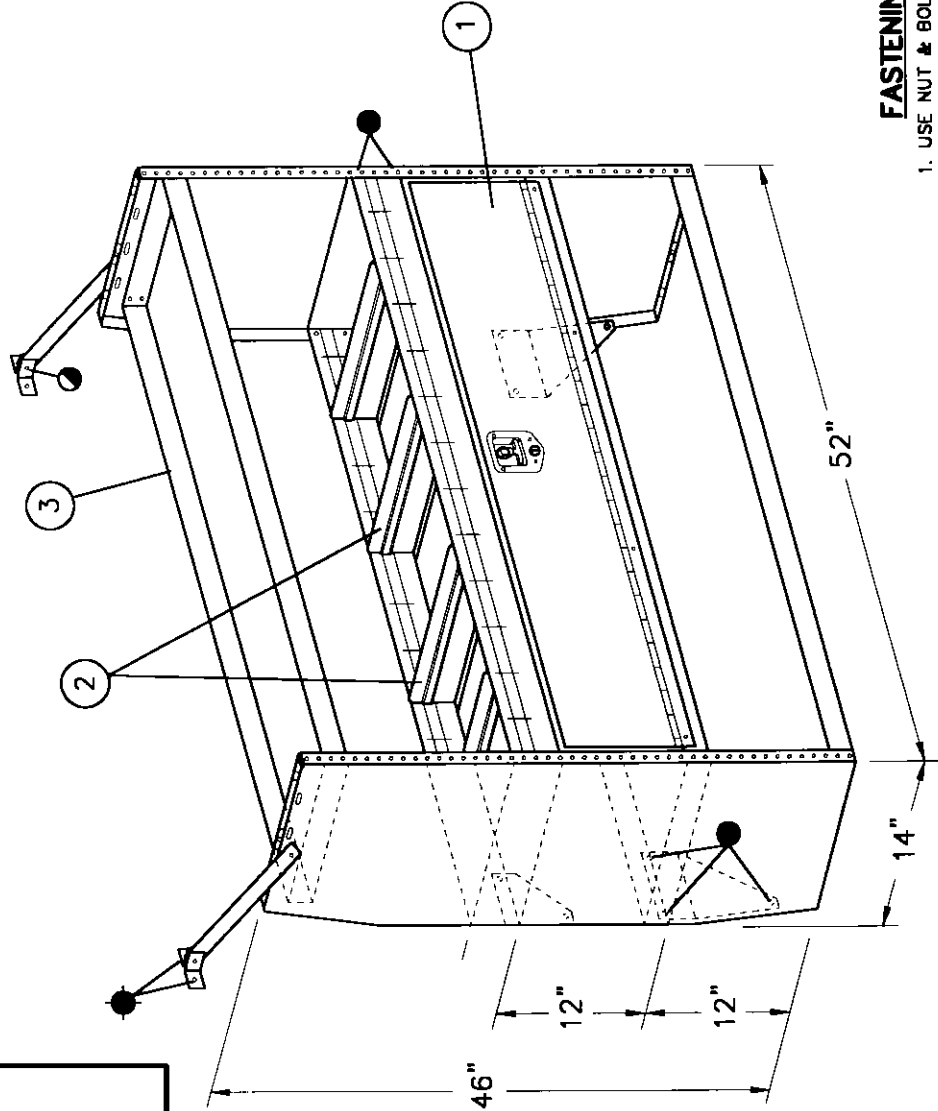
MD537 MODULE SPECIAL
HD KD SHELF UNIT
14 x 46 x 52

DWG BY ECN# DATE CHK'D BY PACKAGL# SS
JLC 7398 6/02/04 RLD MD537 A

PACKAGE WEIGHT 102.99# REF 20964

ITEM	PART NO.	DESCRIPTION	QTY.
1	DK552	DOOR KIT #50/30-52	1
2	DVI4	DIVIDER/PNTD; #50KD	4
3	24292	HD-52 KD RACK 14x46x52	1
	EPT446	END PANEL KD 46"	2
	FR52	FLOOR RAIL 52"	1
	GS6x10LH	GUSSET LH #50-#30 KD's	1
	GS6x10RH	GUSSET RH #50-#30 KD's	1
	GS6x6	GUSSET, 6" TRIANGLE	4
	MB118	MOUNT ANGLE 1-1/2" / GAL	4
	MB120	STRAP-BRKT. 13-1/2" / GAL	2
	SF21252	TOP TRAY 2x12x52	1
	SF21452	SHELF 30/50KD 2x14x52	1
	SF41452	SHELF HD-KD 4x14x52	1

HEIGHT FROM FLOOR TO LOWEST SHELF WILL VARY DEPENDING ON THE HEIGHT OF YOUR VEHICLES WHEELHOUSE.
PLEASE REFER TO THE INTERIOR INSTALLATION SHEET FOR CORRECT SHELF HEIGHT BEFORE ASSEMBLY.



FASTENING PROCEDURES

1. USE NUT & BOLT THRU WHEREVER POSSIBLE.
2. USE PLUSNUTS FOR BLIND FASTENING.
3. USE SHEET METAL SCREWS IN SHEAR ONLY.

CAUTION:
DRILL THRU FLOOR WITH CARE
WATCH FOR GAS TANK, CONTROL
LINES, & ELECTRICAL WIRING.

FASTENER GROUPS LISTED BELOW ARE USED FOR ASSEMBLY AND INSTALLATION. **SOME ASSEMBLY DRILLING IS REQUIRED.** PARTITION INSTRUCTIONS & FASTENERS ARE WITH THAT UNIT. USE KD UNIT DRAWINGS TO IDENTIFY THEIR SEPARATE PARTS. CUSTOMER SPECIFIED SHELF DIMENSIONS ARE SHOWN HERE.

SYM.	FASTENERS	QTY	DRILL
●	ASSEMBLY FASTENERS		
	{ 1/4-20 x 1/2" THP.SCW.	(16) }	9/32
	{ 1/4-20 HX. FLANGE NUT	(16) }	
●	{ 10-24 x 1/2 RHP.SCW.	(8) }	3/16
	{ 10-24 HX. FLANGE NUT	(8) }	
ⓔ	{ 10-24 x 1/2 RHP.SCW.	(4) }	3/16
	{ 10-24 ELASTIC L'NUT	(4) }	

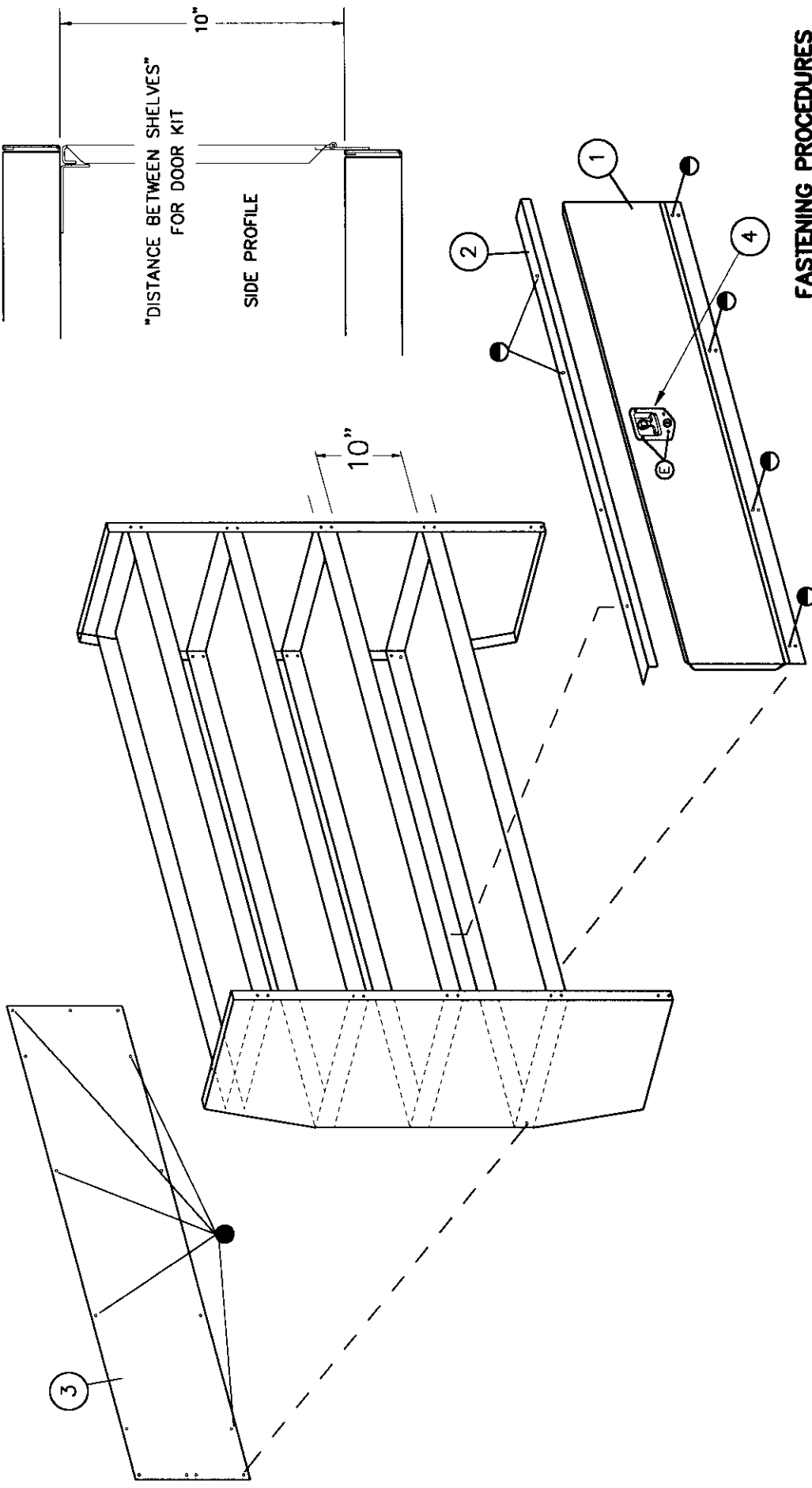
ADRIAN STEEL CO.
906 JAMES STREET
ADRIAN, MI 49221
517/265-6194

DOOR KIT
for #50/30-52
WITH BACK

DWG BY: BGS
ECN#: 6071
DATE: 6/6/02
CHK BY: [Signature]
PACKAGE WEIGHT: 17.94 #
REF: 16594
HCG: 00
VCG: 00

ITEM	PART NO.	DESCRIPTION	QTY.
1	16362	DOOR ASM. 52" (49-5/8)	1
2	16366	DOOR STOP 51"	1
3	BP1252	BACK PANEL, 12 x 52	1
4	21000	LOCKING T HNDL W/KEY ASCO	1

BAG00032-0 FAS FOR MISC DR KITS
CRT00003-0 CARTON



FASTENING PROCEDURES

1. USE NUT & BOLT THRU WHEREVER POSSIBLE.
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3. USE SHEET METAL SCREWS IN SHEAR ONLY.

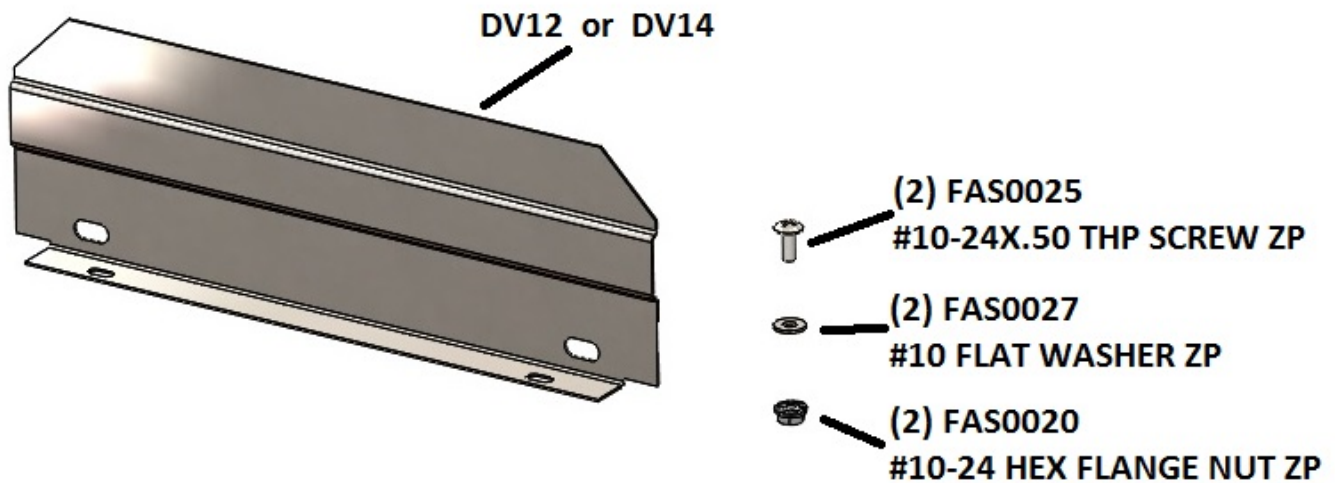
CAUTION:
DRILL THRU FLOOR WITH CARE
WATCH FOR GAS TANK, CONTROL
LINES, & ELECTRICAL WIRING.

Introduction / Comments:

DV12 / DV14 Slip-In / Bolt In Divider Install Instructions

Note:

It is advised that all fasteners used in this assembly and installation should be checked for tightness at the following intervals: @ 2-weeks and again @ 6-weeks of operation. This preventive maintenance step must be completed to ensure your Product gives you long service life.



DV12 / DV14

- PRECAUTIONS -



CAUTION



**THE USE OF 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 INSTALLATION HOLES!
ADRIAN AVAILABLE PART #'S 31121-0 (3/8" X 1/2"
DEEP), 31121-0 (1/2" X 1/2" DEEP)**



- 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



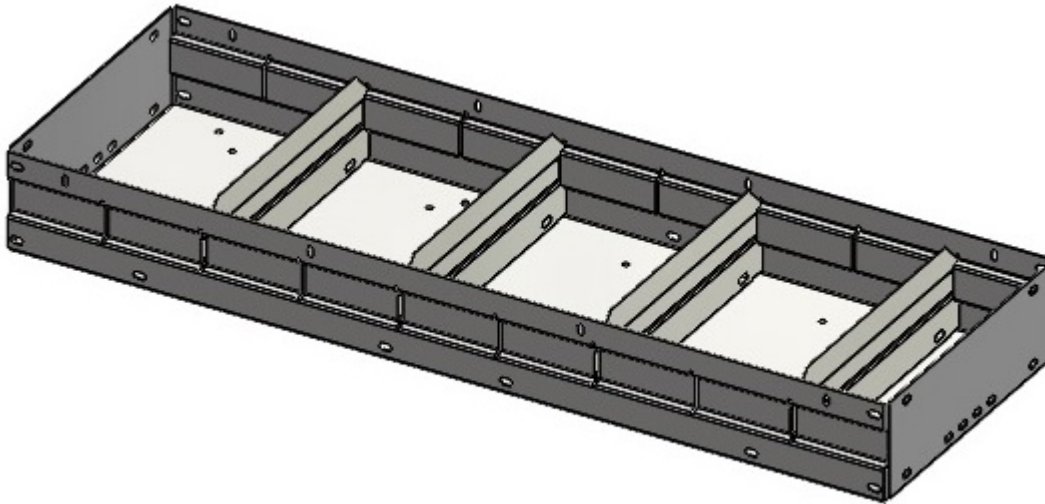
SCREWDRIVERS



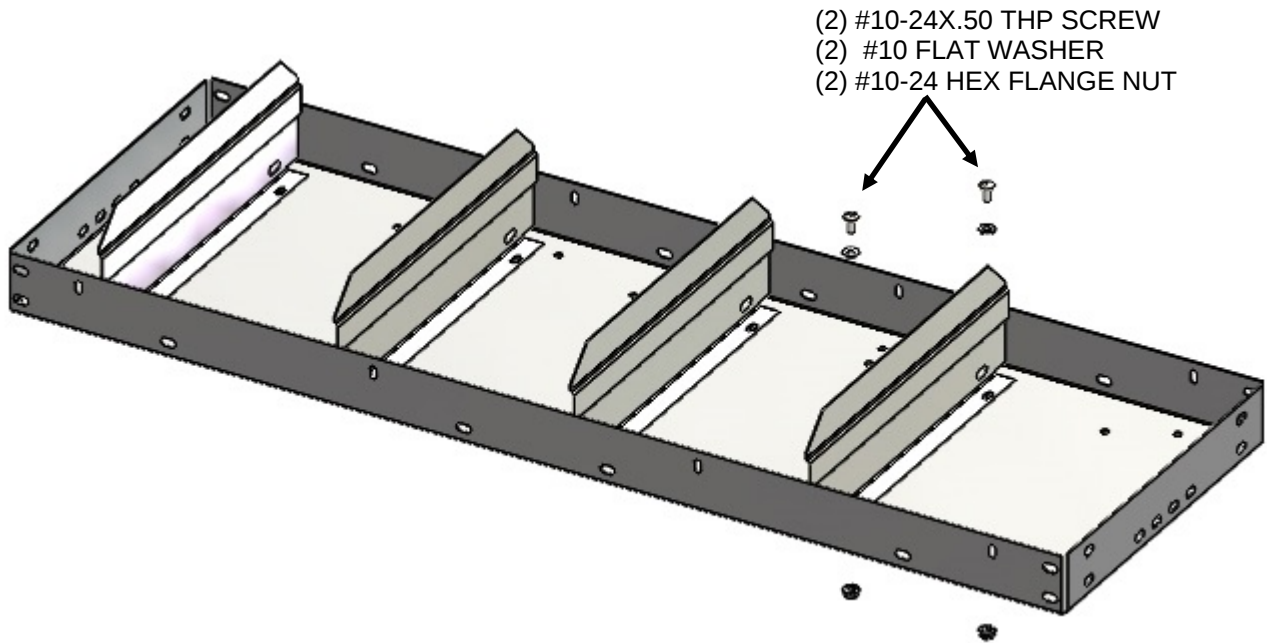
MEASURING TAPE

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

Step 01 For Shelves with Embossed Sides, Slip Dividers into Shelf Embossments Evenly Spaced in Shelf as shown, unless otherwise specified by Customer. The Number of Dividers may vary per customer.



Step 02 For Shelves where the Dividers will need to be Bolted in, Use (2) #10-24x.50 THP Screw, Flat Washer, and Hex Flange Nut to bolt each divider to shelf Evenly Spaced as shown unless otherwise specified by customer. The number of dividers may vary per customer



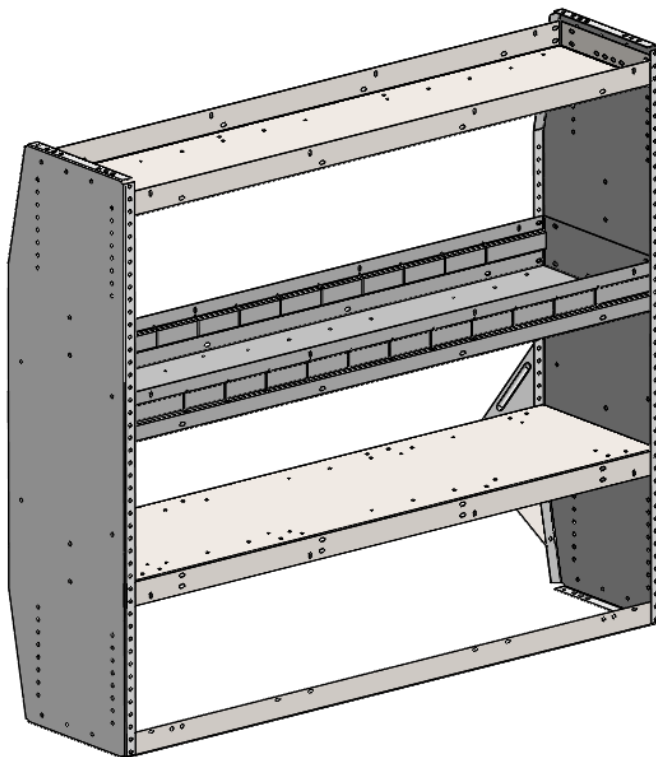
**DOUBLE CHECK ALL FASTENERS LOCATIONS TO BE SURE THAT ALL
FASTENERS ARE TIGHTENED TO SPECIFICATIONS.
YOUR INSTALLATION IS NOW COMPLETE!
STOW THIS COPY IN THE VEHICLE FOR FUTURE REFERENCES!**

Introduction / Comments:

Note:

It is advised that all fasteners used in this assembly and installation should be checked for tightness at the following intervals: @ 2-weeks and again @ 6-weeks of operation. This preventive maintenance step must be completed to ensure your Product gives you long service life.

ITEM NO.	PART NUMBER	DESCRIPTION	24292-0/QTY.
1	EP1446	END PANEL, KD, 46"	2
2	FR52	FLOOR RAIL 52"	1
3	SF21452	SHELF 30/50KD 2X14X52	1
4	SF41452	SHELF HD-KD 4X14X52	1
5	SF21252	TOP TRAY 2X12X52	1
6	HDW24292-0	HARDWARE KIT FOR 24292-0	1



24292-0

- PRECAUTIONS -



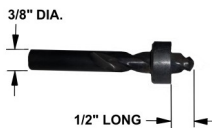
 **CAUTION** 
**THE USE OF AIR IMPACT TOOLS CAN
OVER-TORQUE FASTENERS AND
CAUSE FASTENER FAILURE!**



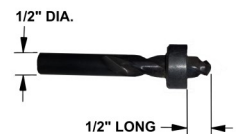
 **CAUTION** 
**ALL INSTALLATION HOLES SHOULD BE SEALED
WITH SILICON OR BUTYL SEALANT TO PREVENT
EXHAUST FUMES FROM ENTERING THE VEHICLE!**



 **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 INSTALLATION HOLES!
ADRIAN AVAILABLE PART #'S 31119-0 (3/8" X 1/2"
DEEP), 31121-0 (1/2" x 1/2" DEEP)**



- 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.

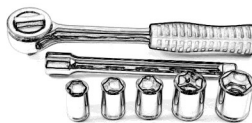
THE BASIC TOOLS NEEDED FOR MOST INSTALLATIONS



DRILL



DRILL BIT WITH
STOP



RATCHET, SOCKETS
AND/OR WRENCHES



SCREWDRIVERS



MEASURING TAPE

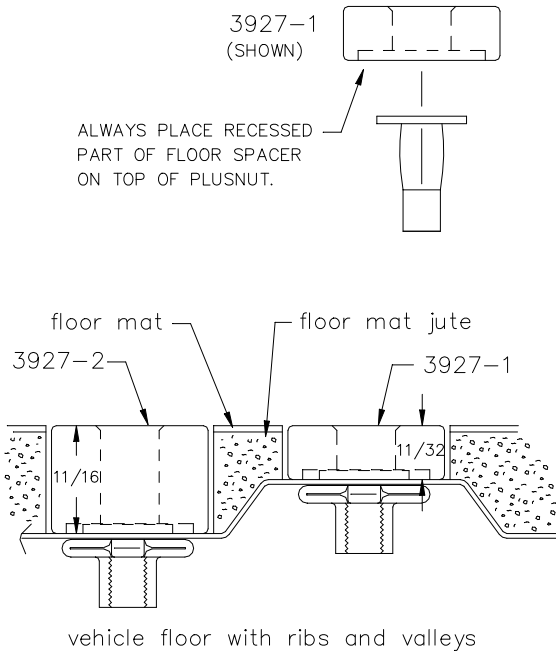
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting location. 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 (P/N: 31183-0). Select the appropriate floor spacers as shown in the illustration. Set those aside for use later into the installation process.

Using the correct drill bit size for the selected plusnut, drill the mounting holes in the vehicle sheet metal to prepare for installing the plusnuts.

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.

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.



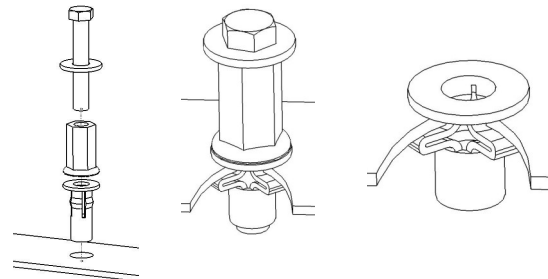
A PLUSNUT (RIVNUT) SETTING TOOL IS REQUIRED FOR PLUSNUT (RIVNUT) INSTALLATION . PLUS NUT SETTING TOOL CAN BE ORDERED THROUGH ADRIAN STEEL, OR USE AN AIR POWERED PLUSNUT SETTING GUN.

1/4-20UNC Plusnut (FAS0052) Use 3/8" dia. drill w/stop

FAS0080 SCREW, HXHD, 1/4-20UNCx2.00", G8
FAS0067 WASHER, FLAT, 1/4"ID
22200-0 PLUSNUT TOOL

5/16-18UNC Plusnut (FAS0091) Use 1/2" dia. drill w/stop

FAS0095 SCREW, HXHD, 5/16-18UNCx2.00", G8
FAS0086 WASHER, FLAT, 5/16"ID
22200-0 PLUSNUT TOOL

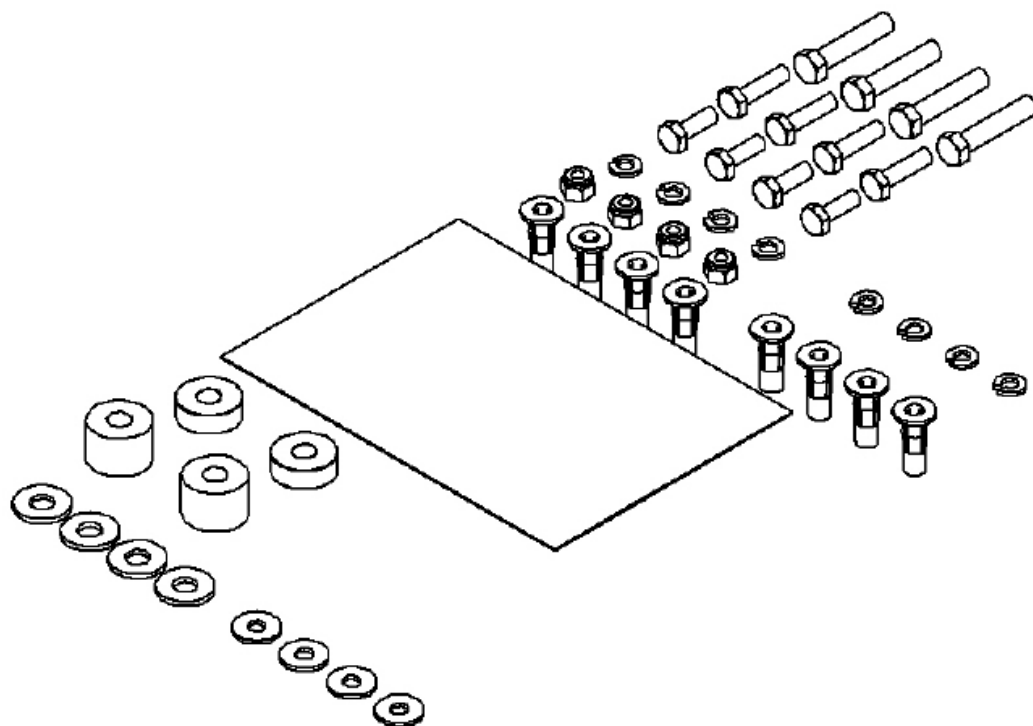


Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

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).

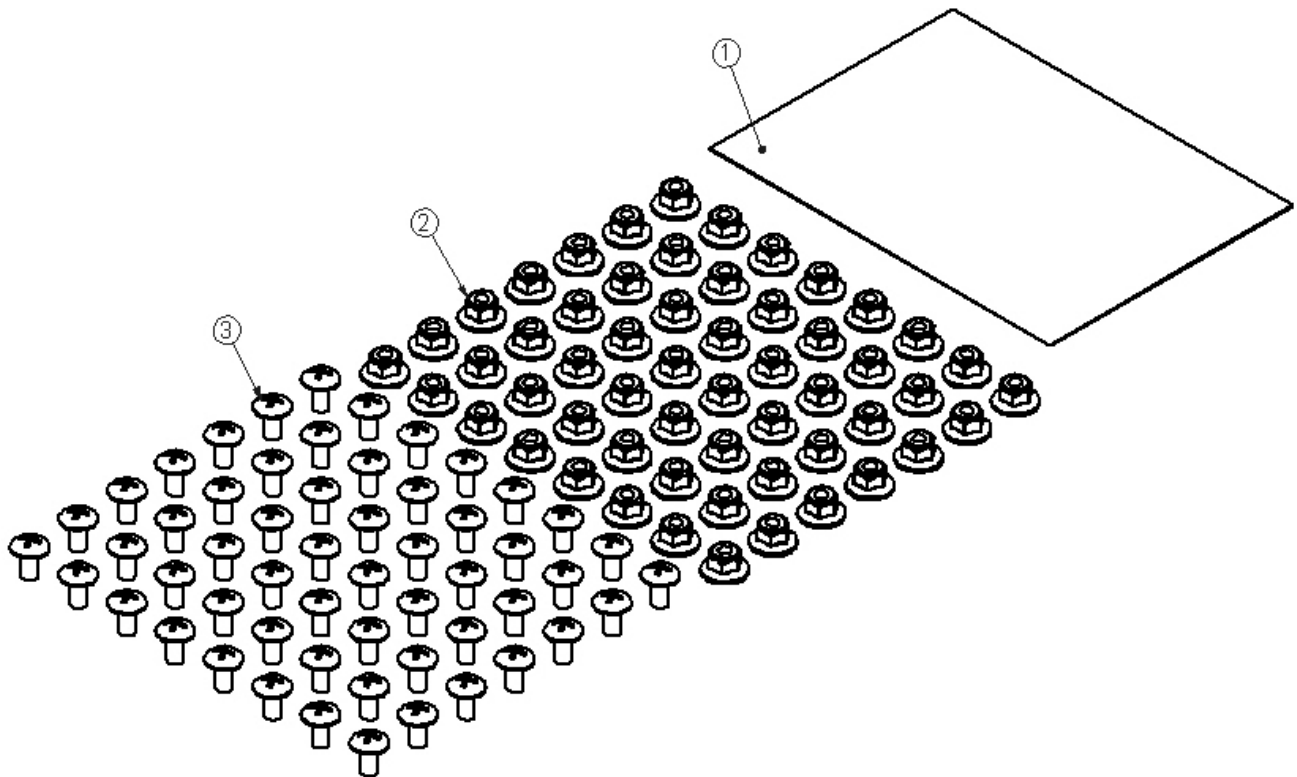
**Installation and/or Assembly Fasteners
BAGINSTL-B**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0052	Plusnut, 1/4	8
3	FAS0058	Nut, Nylon Insert Lock, 1/4-20	4
4	FAS0060	Washer, Lock, Split, 1/4	8
5	FAS0063	Screw, Hex Hd, 1/4-20x0.75 Zn Plate, Grade 5	4
6	FAS0067	Washer, Flat, 1/4	4
7	FAS0078	Screw, Hex Hd, 1/4-20x1.00 Zn Plate, Grade 8	4
8	03927-1	Floor Spacer Short	2
9	03927-2	Tall Floor Spacer	2
10	FAS0086	WASHER,FLAT USS 5/16 ZP	4
11	FAS0092	Screw, Hex Hd, 5/16-18x1.50 Zn Plate, G8	4



Installation and/or Assembly Fasteners
BAG00023-0

ITEM NO.	PART NUMBER	DESCRIPTION	BAG00023-0/QTY.
1	BAG0507-A	5" x 7" 3MIL AUTOBAG	1
2	FAS0055	Nut, Hex Flange, Nylock 1/4-20	58
3	FAS0061	Screw, Truss Hd. Ph, 1/4-20x0.50	58



Step 01 ASSEMBLE AND INSTALL SHELVEING USING THE IMAGE BELOW

