LONG PARTS STORAGE, PARTITION PANEL KIT



PRODUCT WEIGHT

72.53

WIDTH x DEPTH x HEIGHT

62 x 3 x 51

CAPACITY

10' CONDUIT, PIPE, ETC.

COLOR

GRAY

CATALOG NUMBER

S1M2C2FLP

PRODUCT FEATURES

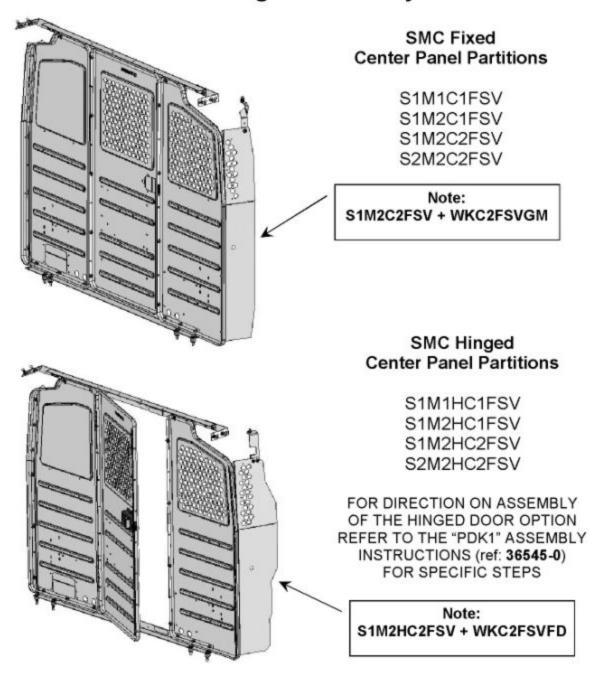
PARTITION PANEL KIT DESIGNED TO PROVIDE A MEANS FOR SAFELY CARRYING 10' CONDUIT, PIPE, ETC. STRAPS ARE PROVIDED AT THE FRONT AND REAR TO SECURE THE LOAD. A TRAY POSITIONED AT THE REAR DOORS CONTAINS THE MATERIAL AND PROTECTS THE REAR VEHICLE DOORS.

PRODUCT APPLICATION

THIS PRODUCT IS DESIGNED TO BE USED IN FULL SIZE VANS UTILIZING THE RAIL MOUNTING KITS.



Partition Panel & Wing Kit Assembly/Installation



S-M-C Style Partition Fixed Center & Hinged Center Panels



- PRECAUTIONS -



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





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





INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO DRILLINGTO 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!



IMPORTANT WARRANTY REQUIREMENTS -

- SUBSTITUTING ADRIAN STEEL SPECIFIED FASTENERS FOR ASSEMBLY AND/OR INSTALLATION WILL VOID YOUR PRODUCT WARRANTY.
- 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.
- 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

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	



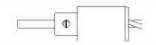
OF

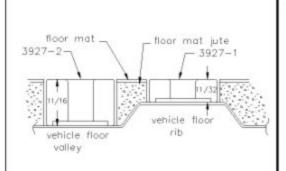


NOTE: A PLUSNUT SETTING TOOL IS REQUIRED FOR PLUSNUT INSTALLATION AND IS NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL (P.N. 22200-0)OR USE AN AIR POWERED PLUSNUT SETTING GUN.

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.

1-3/16" DIAMETER CARPET CUTTER P.N. 31183-0.





Step

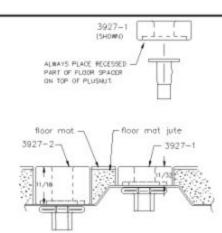
1

Optional

If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting locations. (if not, skip to STEP 02)

Position the product to be installed into the vehicle and once your 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 asside for use later into the installation process.

Once you have prepared the carpet/floor mat for



Step

02

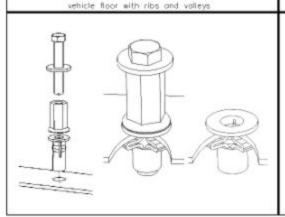
Prepare Mounting Locations

Using a drill and drill bit (see table at top of page for correct size) 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.

ing se

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.



Step

03

Setting Plusnuts

Use a Air Powered Plusnut Setting Gun to "set the plusnut" or if installing manually with hand tools, assembly the following.

1/4-20UNC Plusnut (FAS0052)

FAS0080 SCREW, HXHD, 1/4-20UNCx2.00, G8

FAS0067 WASHER, FLAT, 1/4"ID

22200-0 PLUSNUT TOOL

5/16-18UNC Plusnut (FAS0091)

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).

Remove hex bolt, washer, and plusnut. Inspect installation.



"S-M-C Partition / Wing Kit Fastener Contents Page"















Screw, THP 1/4-20 x 3/4° FAS0062

Nut, HxFIng. 1/4-20UNC FAS0055

Screw, HxHd, 1/4-20 x 1° FAS0078

Screw, HxFlng, 1/4-20 x 3/4" FAS0054

Washer, SpltLk, 1/4" ID FAS0060

Washer, Flat, 1/4" ID FAS0067

Plusnut, 1/4-20UNC FAS0052











Screw, HxHd, 5/16-18 x 1" FAS0082

Screw, HxHd, 5/16-18 x 2" FAS0095

Washer, SpltLk, 5/16" ID FAS0098

Washer, Flat, 5/16" ID FAS0086

Plusnut. 5/16-18UNC FAS0091



Spacer, Floor,

11/32" Ht

03927-1



Spacer, Floor, 11/16' Ht 03927-2

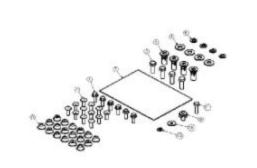
Grommet. Rubber, 1" ID 36096-0







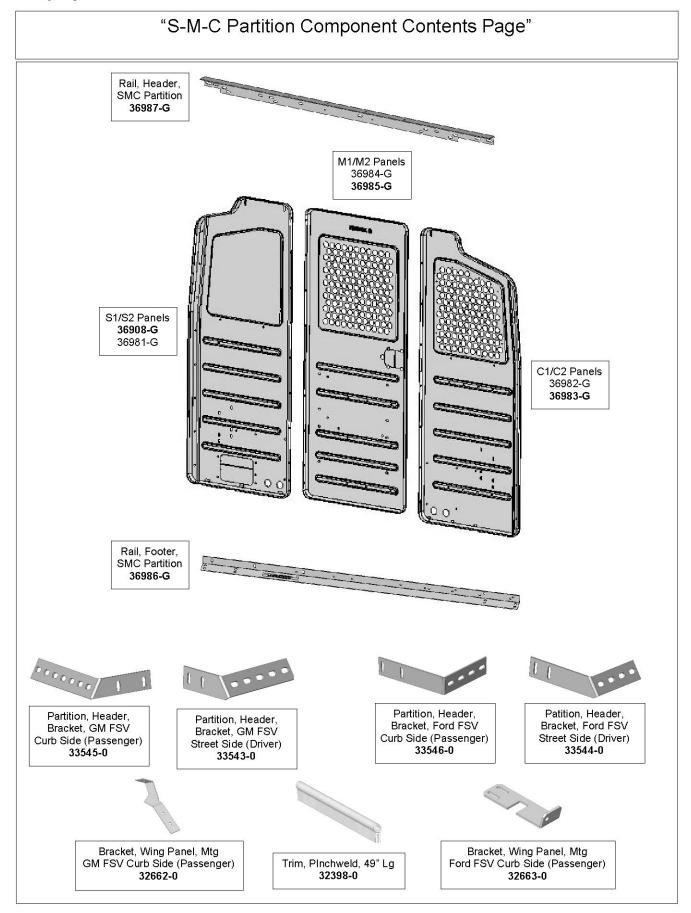
Part Number	Part Description	Qty
BAG0509-A	5"X9" 4MIL AUTOBAG	1
FAS0055	NUT, HX FLNG NYLCK 1/4-20	19
FAS0062	SCREW,THP 1/4-20X.75 P/G5	19
FAS0086	WASHER,FLAT 5/16	4
FAS0091	PLUSNUT,5/16-18 PB DC	4
FAS0095	SCREW,HH 5/16-18X2 ZN G8	4
FAS0098	WASHER, LOCK, SPLIT 5/16	4
03927-1	SPACER, C/F 1006, 11/32, FLR	3
03927-2	SPACER, C/F 1006, 11/16, FLR	4
36096-0	GROMMET, RUBBER, 1"ID	4



BAG37178 "BAG FAS WING KIT FSV"

DAG5/1/0	DAG, FAS, WING KIT, FSV	
Part Number	Part Description	Qty
BAG0507-A	5" X 7" 3 MIL AUTOBAG	1
FAS0054	SCRW,SERT HX FLNG 1/4-20	6
FAS0055	NUT, HX FLNG NYLCK 1/4-20	18
FAS0062	SCREW,THP 1/4-20X.75 P/G5	12
FAS0082	SCREW,HH 5/16-18X1ZNYELG8	4
FAS0086	WASHER,FLAT 5/16	4
FAS0091	PLUSNUT,5/16-18 PB DC	4
FAS0098	WASHER, LOCK, SPLIT 5/16	4
FAS0078	SCREW, HH 1/4-20 X1 SZ G8	1
FAS0067	WASHER, FLAT 1/4	1
FAS0060	WASHER, LOCK, SPLIT 1/4	1
FAS0052	PLUSNUT 1/4-20 PB DC	1







"S-M-C Partition Wing Kit Component Contents Page"

Wing kits are available in Standard, -2" & +3" Setback Locations.

Be sure you have the correct kit for your installation

WING KITS FOR -2" SETBACK POSITION:

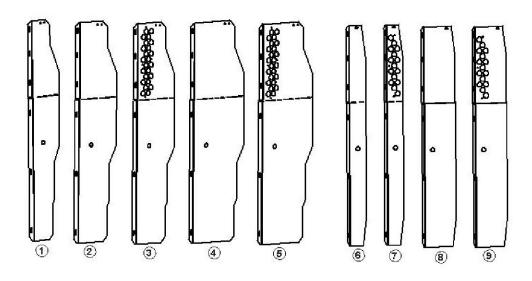
WKC1FSVF-2

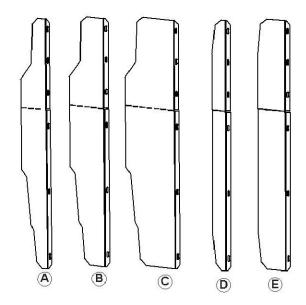
WING KITS FOR STANDARD POSITION:

WKC1FSVFD & WKC2FSVFD WKC1FSVGM & WKC2FSVGM

WING KITS FOR +3" SETBACK POSITION:

WKC1FSVFD3 & WKC2FSVFD3 WKC1FSVGM3 & WKC2FSVGM3





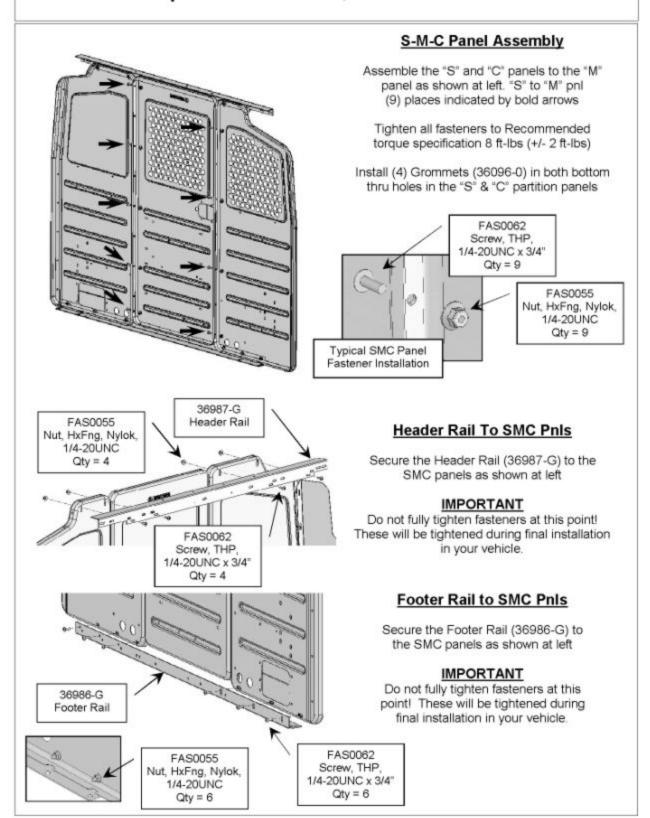
S-M-C Partition Curb Side Wing Panels

-2
STD
STD
+3
-3
D
)
5 + -:

S-M-C Partition Street Side Wing Panels

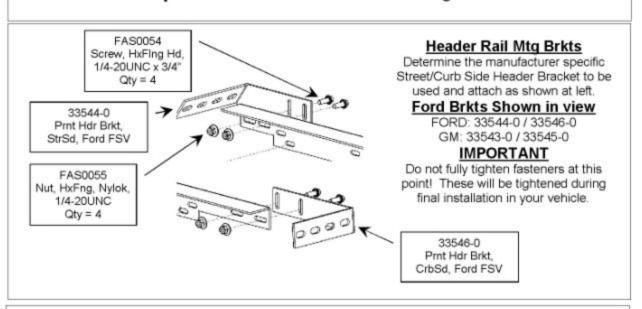
Item No:	Part Number	Part Description
Α	37246-G	WING, SS, SOLID, FORD -2
В	37101-G	WING, SS, SOLID, FORD STD
С	37104-G	WING, SS, SOLID, FORD +3
D	37107-G	WING, SS, SOLID, GM STD
Е	37110-G	WING, SS, SOLID, GM +3

Instructions Step 04 "S-M-C Panels, Header & Footer Rails"

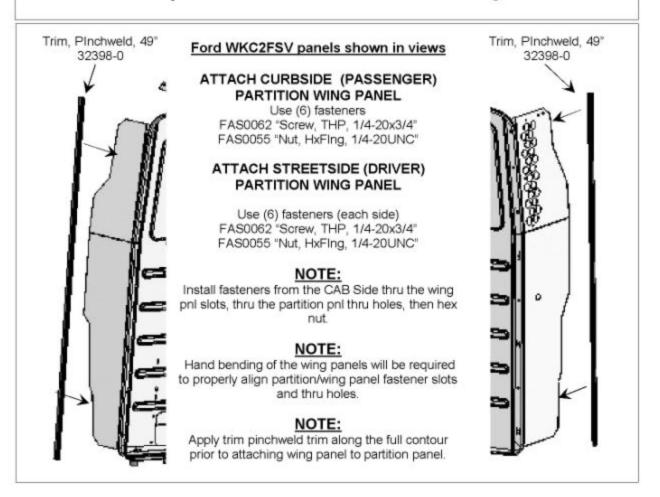




Instructions Step 05 "S-M-C Header Rail Mounting Brackets"



Instructions Step 06 "S-M-C Prtn Street/Curb Side Wing Panels"



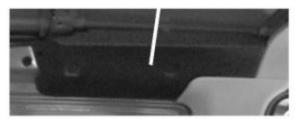
Instructions Step 07 "OEM Head Impact Foam Insert Modifications"

NOTE:

This section applies to the Ford FSV only.

The GM vehicles come equipped with hard plastic extensions that are to be removed and discarded.

If you are installing the partition on a GM van, proceed to STEP 08, page 11 after you remove the hard plastic extensions and discard.



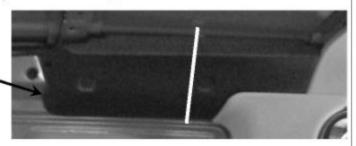


The upper left image shown above is the street side Ford full size van OEM Head Impact Foam Insert for both the street and curb side for all vans equipped with the 60-40 cargo doors.

The Ford FSV equipped with a sliding cargo door has the same street side foam insert for the drivers side, but the curb side is equipped with a plastic panel covering the sliding door track mechanism.

Remove the plastic retainer "plugs" securing the OEM foam insert to the chassis. Gently remove the foam insert and place on a clean, flat workbench surface.

Cut foam insert where indicated by the "white line" discard remaining portion. Replace modified insert in vehicle.



Images shown below are a completed Ford FSV with 60-40 cargo doors.

Street (Drivers) Side



Curb (Passenger) Side



Instructions Step 07 "continued"

NOTE:

This section applies to the Ford FSV curb (passenger) side sliding door OEM plastic trim panel.



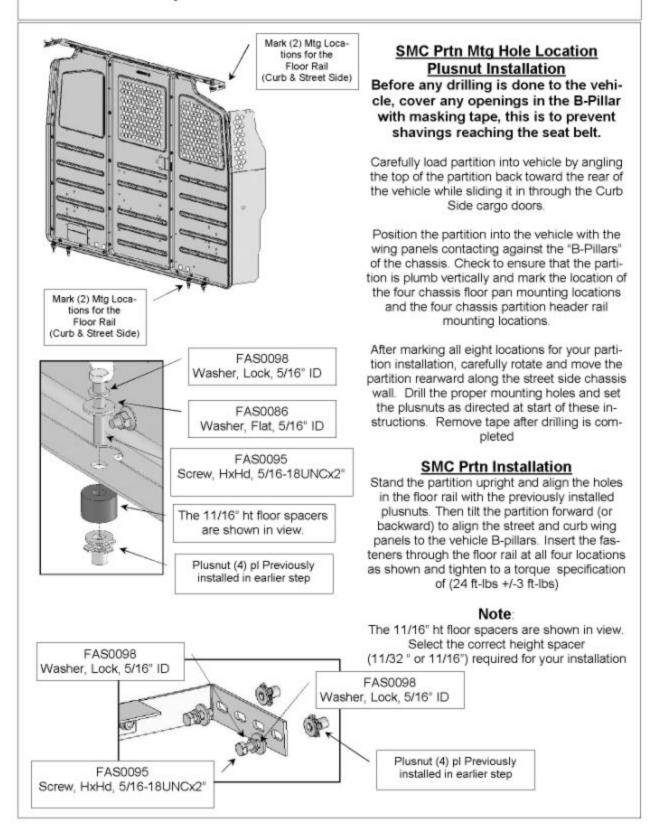


Start a horizontal cut in the trim panel here, this notch is a pre-existing OEM panel feature for the "coat hook".

Cut along panel as shown in the images above.

After cutting panel, remove any burrs and replace panel in vehicle.

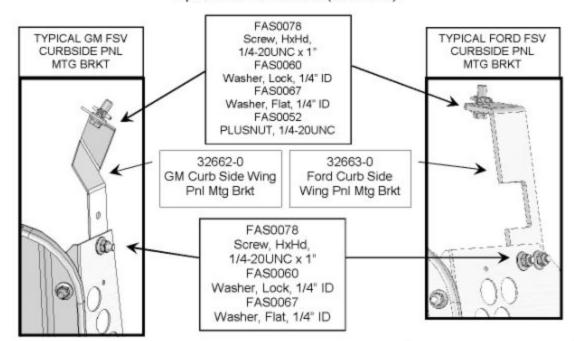
Instructions Step 08

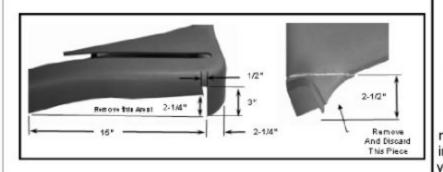


Instructions Step 09 "S-M-C"

Curbside Pnl Mtq Brkt

Attach the wing bracket to the curb side wing panel, with the wing firmly positioned against the B -pillar, mark the hole location on the underside of the vehicle header structure. Move the bracket aside and drill a 3/8" diameter hole for the 1/2-20UNC plusnut. Install plusnut and reposition the wing bracket and wing against the B-pillar. Fully tighten all fasteners to torque specification of 8 fl-lbs (+/- 2 ft-lbs)





Curbside Pnl Mtg Brkt

For GM vehicles with SLIDING Side Cargo Door you will need to remove the door track facia trim panel and modify (trim) it as shown in left side detail view. If you do not have a sliding side cargo door, skip this step.

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!

Instructions Step 10 "S-M-C"

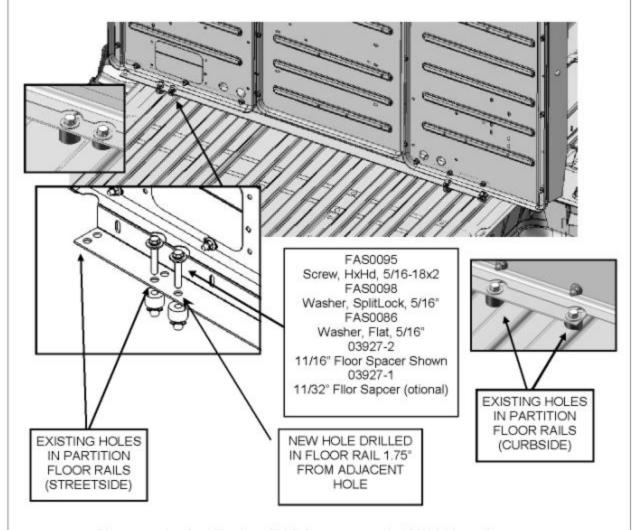
For GM FSV LEFT DOOR

Rail must be drilled for an additional hole dia. .437, when using this partition in left hand door vehicles.

Assemble partition using steps shown earlier in the installation instructions

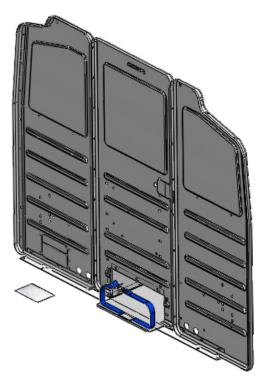
Please note that Dodge 1998 & newer and GM 2003 and newer vans have a gas tank immediately below the floor at the partition line.

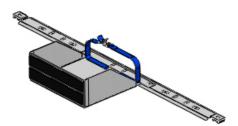
See page 2 for information on drill stops



Please note that Dodge 1998 & newer and GM 2003 and newer vans have a gas tank immediately below the floor at the partition line. See pages 2 & 3 for info on drill stops







(S1M1C1FLP SHOWN)

NOTE: THIS PRODUCT WILL NOT WORK WITH NISSAN +3 SETBACK PARTITIONS UNLESS PLUS NUT TO FLOOR, DOES NOT USE OEM HOLES

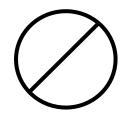
RAIL KIT MUST BE INSTALLED IN YOUR VEHICLE FOR THIS ACCESSORY TO BE USED

S_M_C_FLP AND SMCFLP+3
PARTITION PANEL KIT LONG PARTS STORAGE

- 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



DANGER



INSPECT FOR FUEL TANK, FUEL LINES, BRAKE LINES, HIGH **VOLTAGE BATTERIES AND ELECTRICAL LINES PRIOR TO** DRILLINGTO 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

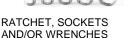


DRILL



STOP







SCREWDRIVERS



MEASURING TAPE

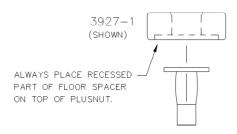
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

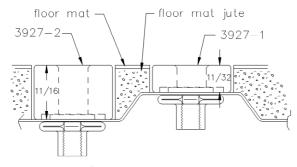


If your vehicle contains carpet or a rubber floor mat you will need to prepare the mounting location. Position the product to be installed into the vehicle and once your are satisfied with the mounting locations, mark the mounting locations. Using a 1-3/16" diameter carpet cutter (P/N: 31183-0). Select 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.





vehicle floor with ribs and valleys

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.

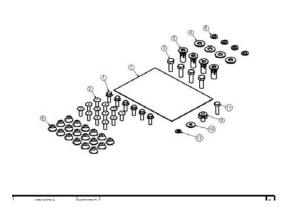
Using a 9/16" combination wrench of plusnut tool body and a second hand wrench, ratchet, or air tool, rotate the hex bolt head CW to draw plus nut flanges up (set the plusnut).





BAG37177 "BAG, FAS, FSV PNL KIT"

Part Number	Part Description	Qty
BAG0509-A	5"X9" 4MIL AUTOBAG	1
FAS0055	NUT,HX FLNG NYLCK 1/4-20	19
FAS0062	SCREW,THP 1/4-20X.75 P/G5	19
FAS0086	WASHER,FLAT 5/16	4
FAS0091	PLUSNUT,5/16-18 PB DC	4
FAS0095	SCREW,HH 5/16-18X2 ZN G8	4
FAS0098	WASHER,LOCK,SPLIT 5/16	4
03927-1	SPACER,C/F 1006,11/32,FLR	3
03927-2	SPACER,C/F 1006,11/16,FLR	4
36096-0	GROMMET RUBBER 1"ID	4



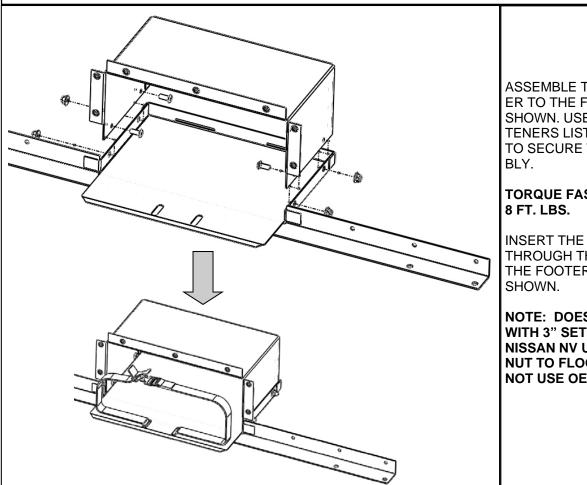
BAG37178 "BAG, FAS, WING KIT, FSV"

BAG3/1/8	"BAG, FAS, WING KIT, FSV"	
Part Number	Part Description	Qty
BAG0507-A	5" X 7" 3 MIL AUTOBAG	1
FAS0054	SCRW,SERT HX FLNG 1/4-20	6
FAS0055	NUT,HX FLNG NYLCK 1/4-20	18
FAS0062	SCREW,THP 1/4-20X.75 P/G5	12
FAS0082	SCREW,HH 5/16-18X1ZNYELG8	4
FAS0086	WASHER,FLAT 5/16	4
FAS0091	PLUSNUT,5/16-18 PB DC	4
FAS0098	WASHER,LOCK,SPLIT 5/16	4
FAS0078	SCREW, HH 1/4-20 X1 SZ G8	1
FAS0067	WASHER, FLAT 1/4	1
FAS0060	WASHER, LOCK, SPLIT 1/4	1
FAS0052	PLUSNUT, 1/4-20 PB DC	1



PARTS YOU WILL	LPS, FOOTER 39811-G, 41945-G OR 55638-G (1) EACH	LPS, TOP COVER 39941-G, 41945-G OR 55636-G (1) EACH	FAS0062 1/4-20 X 0.75 SCREW, THP (4) EACH	FAS0055 1/4-20 NYLOCK FLANGE NUT (4) EACH
USE FOR STEP				
01	STRAP 33274-0 (1) EACH			

Instructions for Step 01



ASSEMBLE THE TOP COV-ER TO THE FOOTER AS SHOWN. USE THE FAS-TENERS LISTED ABOVE TO SECURE THE ASSEM-

TORQUE FASTENERS TO

INSERT THE STRAP END THROUGH THE SLOTS IN THE FOOTER PLATE AS

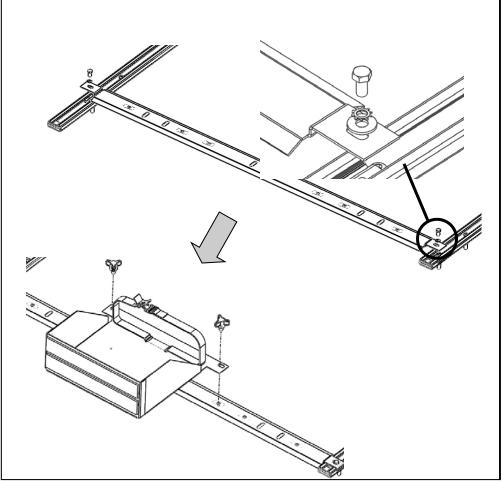
NOTE: DOES NOT WORK WITH 3" SET BACK IN **NISSAN NV UNLESS PLUS NUT TO FLOOR, DOES NOT USE OEM HOLES**

ADRIAN STEEL COMPANY ● WWW.ADRIANSTEEL.COM ● 906 JAMES STREET ● ADRIAN, MI 49221 ● 800-677-2726



PARTS YOU WILL	REAR HOLDER ASSM.	REAR BOX ASSM.	STRAP	HAND KNOB
	40029-G	40167-G	33274-0	16274-0
	(1) EACH	(1) EACH	(1) EACH	(2) EACH
USE FOR STEP				
02	SCREW, 5/16-18 x 0.625	LOCK WASHER, 5/16"	WASHER, 5/16"	SLIDE
	FAS0165	FAS0085	FAS0086	35335-0
	(2) EACH	(2) EACH	(2) EACH	(2) EACH

Instructions for Step 02



INSERT THE SLIDES INTO THE ENDS (REAR OF VEHICLE) OF THE FLOOR MOUNTING RAILS AND ATTACH THE REAR HOLDER ASSEMBLY AS SHOWN USING THE ABOVE LISTED FASTENERS.

DO NOT FULLY TIGHTEN THE FASTENERS AT THIS TIME!

INSERT THE STRAP END THROUGH THE SLOTS IN THE REAR BOX ASSEMBLY AS SHOWN. SECURE THE REAR BOX ASSEMBLY TO THE REAR HOLDER AS SHOWN USING THE TWO HAND KNOBS.

ADJUST THE ENTIRE ASSEMBLY REARWARD UNTIL THE RUBBER PADS ON THE REAR BOX JUST TOUCH THE VEHICLE DOOR.

TORQUE FASTENERS TO THE SLIDES TO 8 FT. LBS.

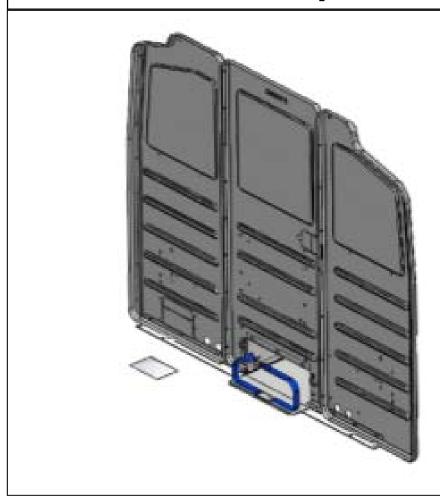
IF ASSEMBLING MIFLP3-5 SKIP STEP 02 NOT RE-QUIRED

ADRIAN STEEL COMPANY ● WWW.ADRIANSTEEL.COM ● 906 JAMES STREET ● ADRIAN, MI 49221 ● 800-677-2726



PARTS YOU WILL	APPROPRIATE M- PANEL WITH CUTOUT FOR YOUR APPLICA-	APPROPRIATE S & C PANELS FOR YOUR APPLICATION	
USE FOR STEP			
03			

Instructions for Step 03



YOU ARE NOW READY FOR THE REMAINDER OF YOUR PARTITION ASSEMBLY TO PROCEED.

TO CONTINUE YOUR INSTAL-LATION AND ASSEMBLY OF THE PARTITION PANEL & WING KIT ASSEMBLY BY USING ONE OF THE FOL-LOWING INSTRUCTIONS:

FOR FORD or GM PARTITION AND WING KITS, PRO-CEED TO PAGE 7 OF DOCUMENT #37193-0.

FOR NISSAN PARTI-TION AND WING KITS, PROCEED TO PAGE 9 OF DOCUMENT #40183.

NOTE: DOES NOT WORK WITH 3" SET BACK IN NISSAN NV UNLESS PLUS NUT TO FLOOR, DOES NOT USE OEM HOLES

ADRIAN STEEL COMPANY ● WWW.ADRIANSTEEL.COM ● 906 JAMES STREET ● ADRIAN, MI 49221 ● 800-677-2726