



**ADRIAN STEEL®**

Cargo Management Solutions for Commercial Vehicles

## **WING KIT, RET, 14 PRO-M, +3**

*PRODUCT WEIGHT*

**55**

*WIDTH X DEPTH X HEIGHT*

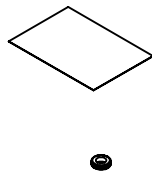
**N/A X N/A X N/A**

*CAPACITY*

**N/A**

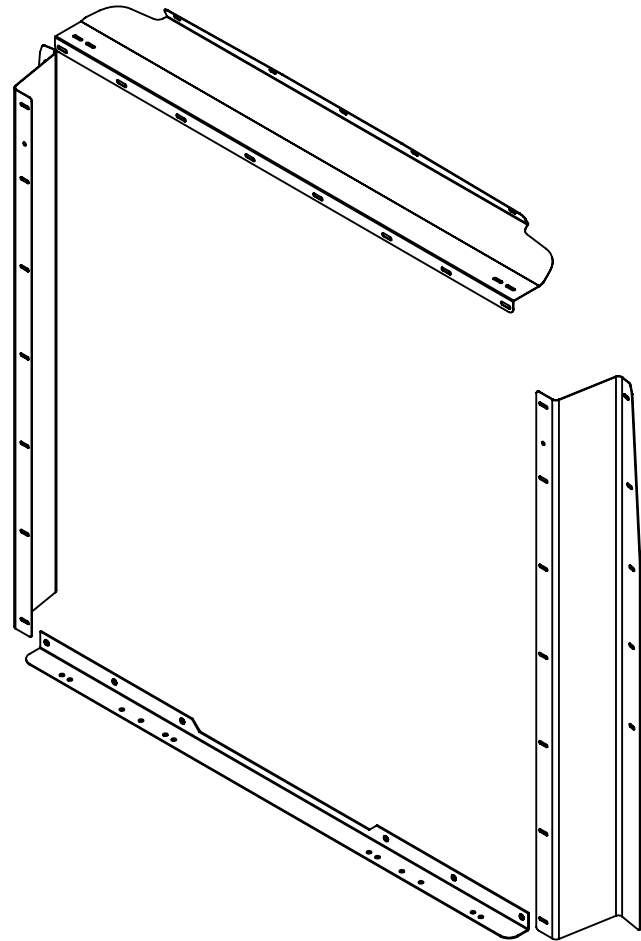
*COLOR*

**GRAY**



*CATALOG NUMBER*

**WKC1PMR3**



### **PRODUCT FEATURES**

Partition wing kit for the 2014 Dodge Promaster Standard, high and super-high roof. The wing kit consists of footer rail, header panel and wings that make up the assembly. The wing kit is designed to work with one of the two panel kits available for this vehicle.

SEE PAGE 2 FOR APPLICATION NOTES, ACCESSORIES AND OTHER PRODUCTS THAT WORK WITH THIS UNIT.



## ***WING KIT, RET, 14 PRO-M, +3***

**CATALOG NUMBER    WKC1PMR3**

### ***PRODUCT APPLICATION***

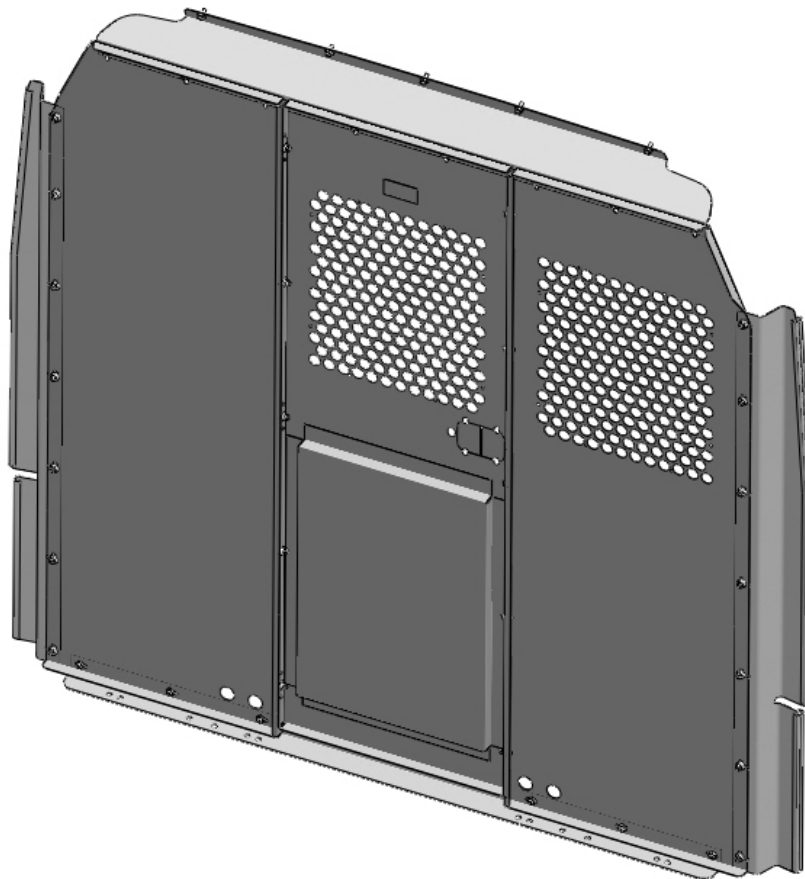
**This wing kit is designed to be installed into 2014 Dodge Promaster vehicles that have been shipped WITH the OEM oartition installed. Use with appropriate panel kit to complete a partition installation.**

### ***ACCESSORIES THAT WILL WORK WITH THIS PRODUCT***

<b>CATALOG NUMBER</b>	<b>DESCRIPTION (smart)</b>
S1M1C1PM	PANEL KIT
S1M2MC2PM	PANEL KIT

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**WKC1PMR, WING KIT PRO-M, RETRO STD.  
WKC1PMR3, WING KIT PRO-M, RETRO +3  
S\_M\_C\_PM, PARTITION PANEL KITS**



## - 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 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

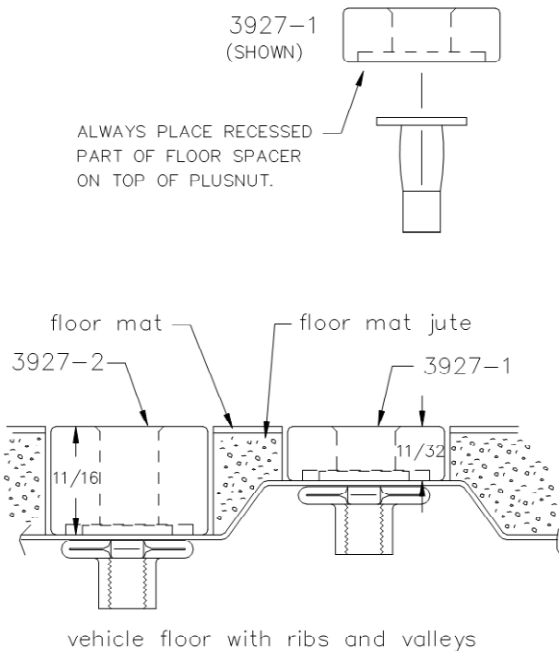
ADDITIONAL TOOLS MAY BE NEEDED FOR THIS INSTALLATION AND THEY WILL BE IDENTIFIED IN THE STEPS THAT FOLLOW.

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 AND IS SUPPLIED WITH THIS KIT. 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

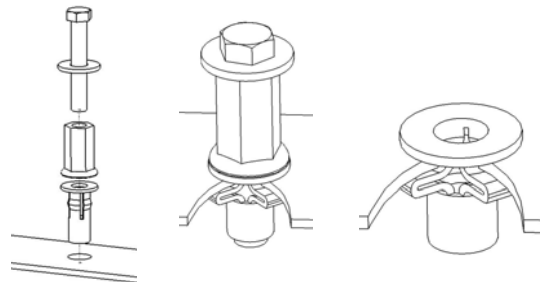
22200-0 PLUSNUT TOOL

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

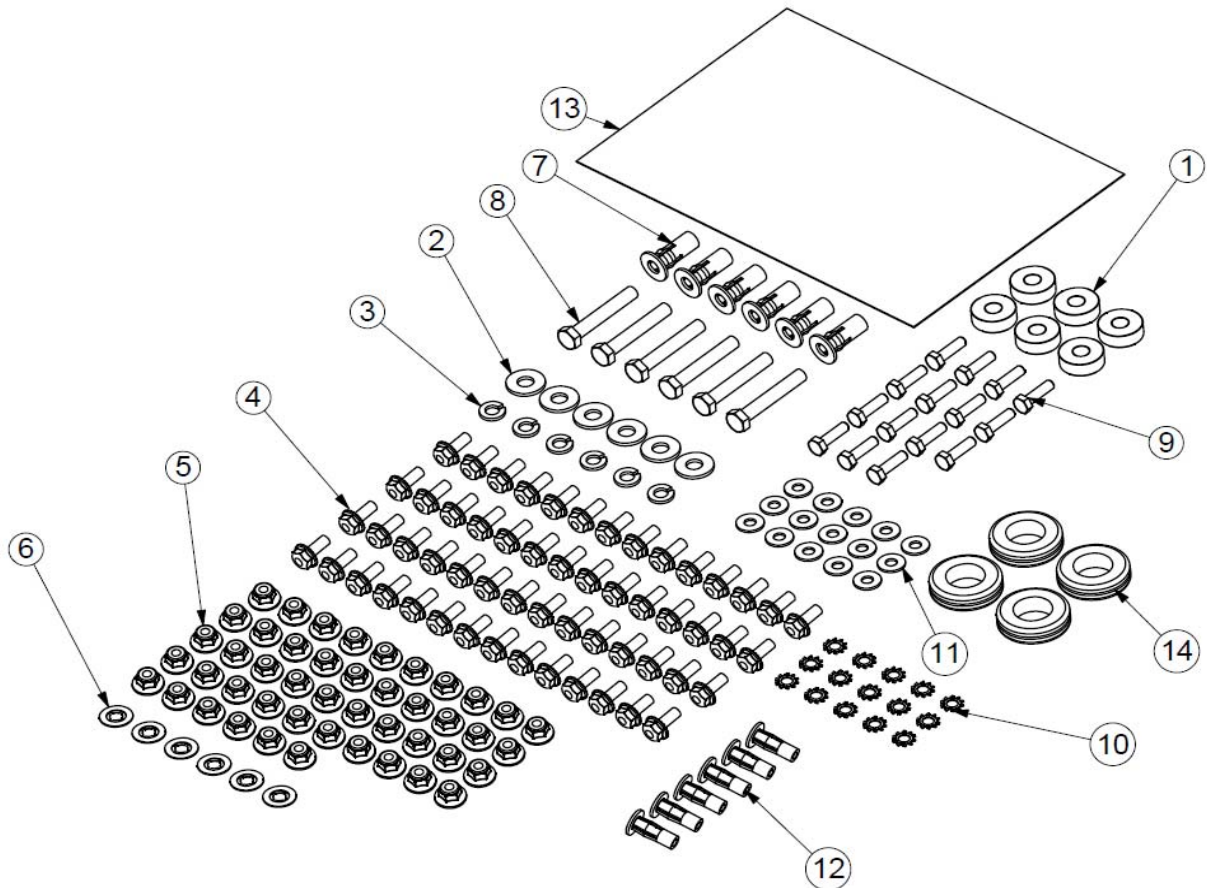




Place barrel of the plusnut body in sheet metal thru hole until flange is flush with sheet metal.

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).

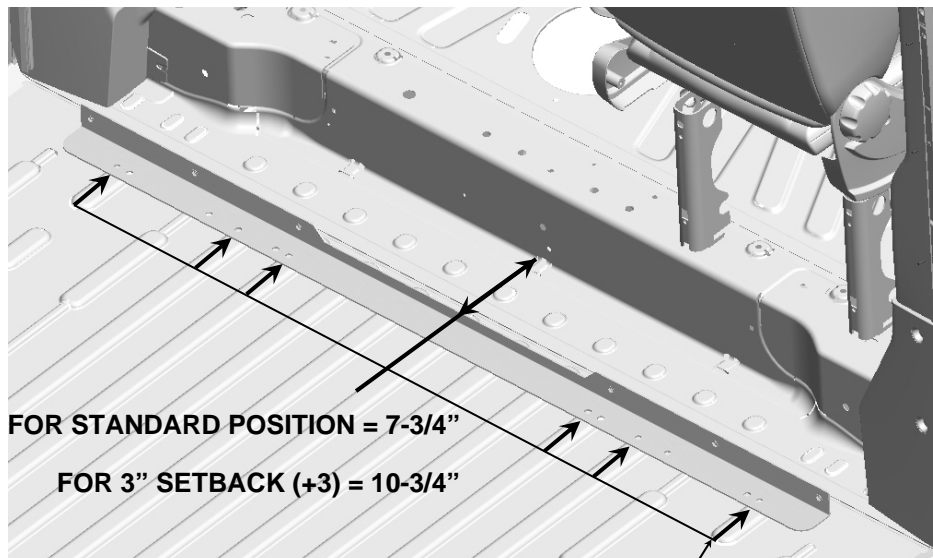
## Assembly and Installation Fastener Identification Sheet

ITEM NO.	PART NUMBER	DESCRIPTION	BAG44683/ QTY.
1	03927-1	Floor Spacer Short	6
2	FAS0086	WASHER,FLAT USS 5/16 ZP	6
3	FAS0098	Washer, Lock, Split, 5/16, Zinc Plate	6
4	FAS0018	SCREW,HH SFLNG 1/4-20X.62 ZP	56
5	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	46
6	FAS0557	WASHER, RET 5/16, NY	6
7	FAS0091	Plusnut, 5/16	6
8	FAS0095	Screw, Hex Hd, 5/16-18x2.00 , Grade 8	6
9	FAS0187	SCR,HH,M6-1.0X22	15
10	FAS 0066	Washer, Lock, Ext. Tooth, 1/4	15
11	FAS0234	Washer, Flat, 1/4, SST	15
12	FAS0052	PLUSNUT, 1/4-20 PB DC	6
13	BAG0710-A	7" X 10" 4MIL AUTOBAG	1
14	36096-0	GROMMET,RUBBER,7/8 ID	4



<b>PARTS YOU WILL USE FOR</b>          <b>STEP 01</b>	<b>COMMON PART</b> 44674-G, FLOOR RAIL (1) REQUIRED	<b>COMMON PART</b> FAS0091, PLUSNUT 5/16 (6) REQUIRED		
				

## Instructions for Step 01



MARK LOCATIONS AND SET PLUSNUTS AT EACH FLOOR RIB AS SHOWN








POSITION FLOOR RAIL AS SHOWN;

FOR STANDARD POSITION = 7-3/4" BACK FROM THE CAB AREA STEP TO THE FRONT FACE (TOWARD CAB) OF THE FLOOR RAIL.

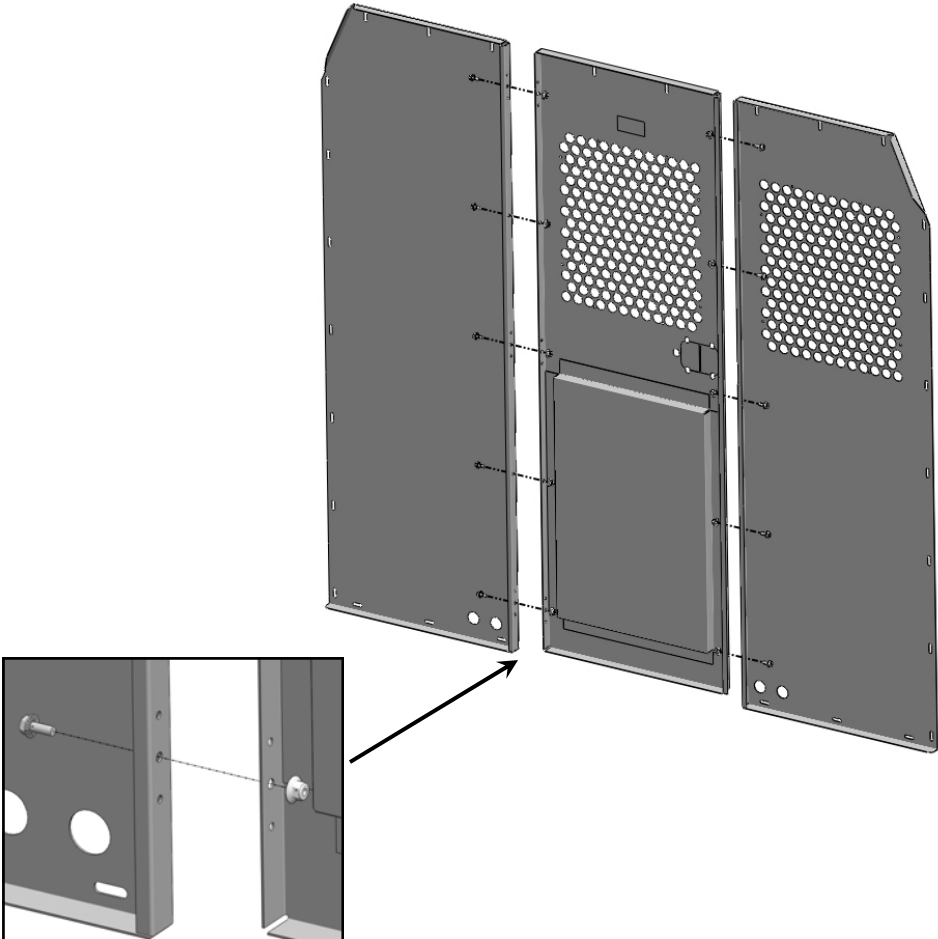
FOR 3" SETBACK (+3) POSITION = 10-3/4" BACK FROM THE CAB AREA STEP TO THE FRONT FACE (TOWARD CAB) OF THE FLOOR RAIL.

MAKE SURE THAT FLOOR RAIL IS CENTERED LEFT-TO-RIGHT. FLOOR RAIL MOUNTING HOLES (6) HOLES) ALIGN WITH THE FLOOR RIBS AS SHOWN. MARK THE LOCATIONS, DRILL AND SET PLUSNUTS FOR FLOOR RAIL.

PLACE FLOOR RAIL ASIDE TO BE ASSEMBLED TO PARTITION PANELS.

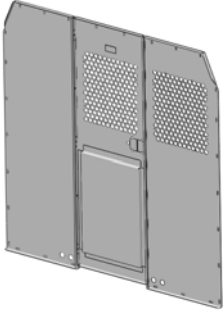


<b>PARTS YOU WILL USE FOR</b>  <b>STEP 02</b>	<b>COMMON PART</b> 44688-G, S1 PANEL (1) REQUIRED	<b>COMMON PART</b> FAS0018, SCREW,HH 1/4 (10) REQUIRED	<b>SOLID PANEL</b> 44700-G, M1 PANEL (1) REQUIRED	<b>SOLID PANEL</b> 44686, C1 PANEL (1) REQUIRED
				
		<b>COMMON PART</b> FAS0055, NUT,HEX 1/4 (10) REQUIRED	<b>PERFORATED PANEL</b> 44701-G, M2 PANEL (1) REQUIRED	<b>PERFORATED PANEL</b> 44687-G, C2 PANEL (1) REQUIRED
				

## Instructions for Step 02

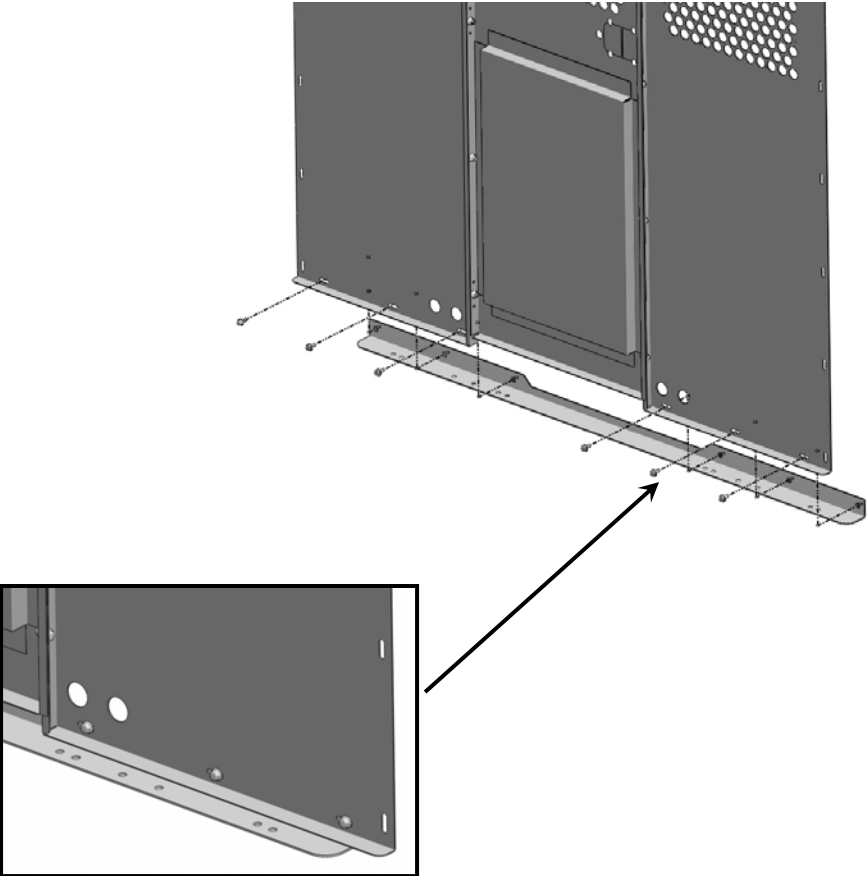


ASSEMBLE THE APPROPRIATE S-M-C PANEL TOGETHER AS SHOWN USING THE ABOVE LISTED FASTENERS

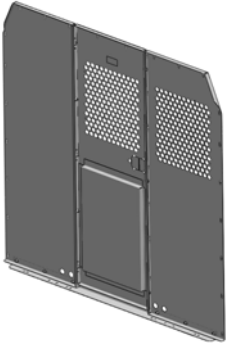








PARTS YOU WILL USE FOR  <b>STEP 03</b>	ASSEMBLY FROM PREVIOUS STEP	COMMON PART FAS0018, SCREW, HH 1/4 (6) REQUIRED	COMMON PART 44674-G, FOOTER RAIL (1) REQUIRED	
				

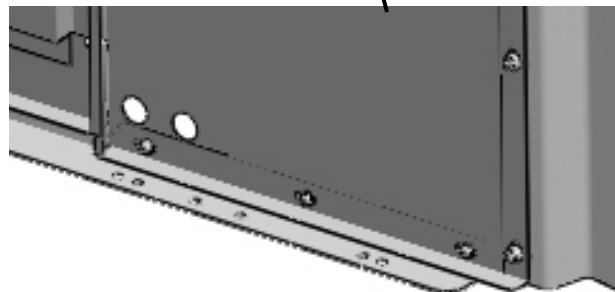
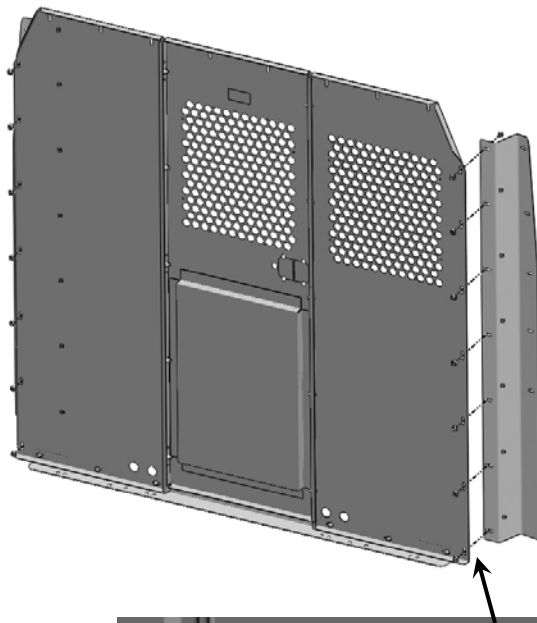
## Instructions for Step 03





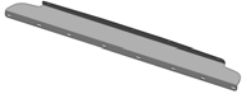
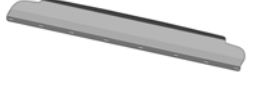
ATTACH FOOTER RAIL TO BOTTOM OF THE PARTITION PANELS AS SHOWN USING THE FASTENERS SHOWN ABOVE. DO NOT FULLY TIGHTEN THESE FASTENERS. ADJUSTMENT MAY BE NEEDED DURING FINAL STEPS.

PARTS YOU WILL USE FOR  <b>STEP 04</b>	ASSEMBLY FROM PREVIOUS STEP	COMMON PART FAS0018, SCREW, HH 1/4 (14) REQUIRED	FOR STANDARD POS. 44678-G, WING, SS RETRO (1) REQUIRED	FOR STANDARD POS. 44677-G, WING, CS RETRO (1) REQUIRED
				
		COMMON PART FAS0055, NUT, HEX 1/4 (14) REQUIRED	FOR 3" SETBACK POS. 44676-G, SS RETRO +3 (1) REQUIRED	FOR 3" SETBACK POS. 44681-G, CS RETRO +3 (1) REQUIRED
				

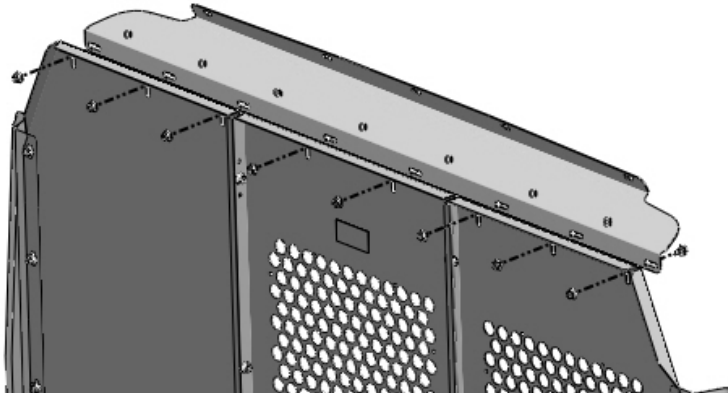
## Instructions for Step 04




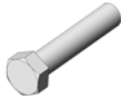
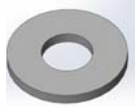



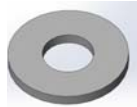
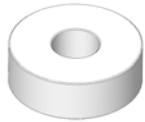
ATTACH THE APPROPRIATE WINGS TO THE PARTITION PANELS AS SHOWN USING THE FASTENERS SHOWN ABOVE. DO NOT FULLY TIGHTEN THESE FASTENERS. ADJUSTMENT MAY BE NEEDED DURING FINAL STEPS.

PARTS YOU WILL USE FOR  <b>STEP 05</b>	ASSEMBLY FROM PREVIOUS STEP	COMMON PART FAS0018, SCREW,HH 1/4 (8) REQUIRED	FOR STANDARD POS. 44675-G, HDR PNL (1) REQUIRED	FOR 3" SETBACK POS. 44708-G, HDR PNL +3 (1) REQUIRED
				
		COMMON PART FAS0055, NUT,HEX 1/4 (8) REQUIRED		

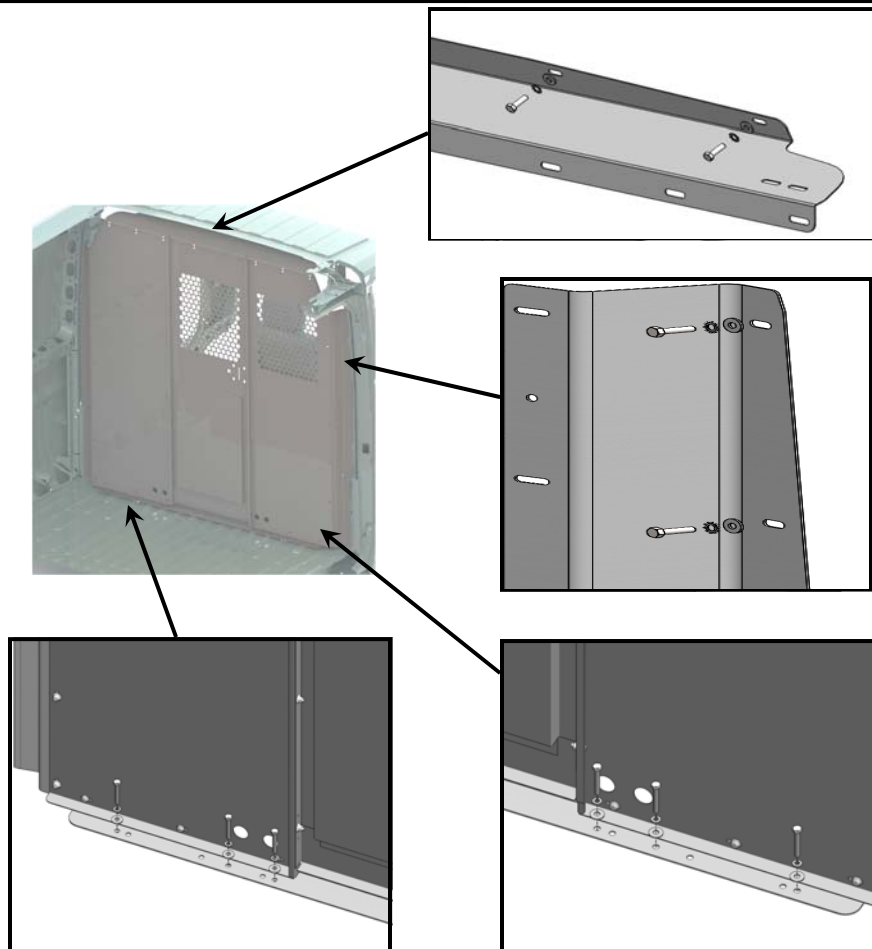
## Instructions for Step 05



ATTACH THE APPROPRIATE HEADER PANEL TO THE PARTITION PANELS AS SHOWN USING THE FASTENERS SHOWN ABOVE. DO NOT FULLY TIGHTEN THESE FASTENERS. ADJUSTMENT MAY BE NEEDED DURING FINAL STEPS.

<b>PARTS YOU WILL USE FOR</b>  <b>STEP 06</b>	<b>ASSEMBLY FROM PREVIOUS STEP</b>	<b>COMMON PART</b> FAS0095, SCRW, HH 5/16 (6) REQUIRED	<b>COMMON PART</b> FAS0086, WASHER 5/16 (6) REQUIRED	<b>COMMON PART</b> FAS0098, LCK WASHER (6) REQUIRED
				
	<b>COMMON PART</b> FAS0187, M6 HH SCREW (15) REQUIRED	<b>COMMON PART</b> FAS0066, LCK WSHR 1/4 (15) REQUIRED	<b>COMMON PART</b> FAS0234, WASHER 1/4 (15) REQUIRED	<b>OPTIONAL PART</b> 03927-1 SPACER (6) OPTIONAL
				

## Instructions for Step 06



MOVE PARTITION ASSEMBLY INTO THE VEHICLE AND ATTACH THE HEADER PANEL TO THE VEHICLE ROOF BOW USING THE M6 HH SCREWS AND 1/4" WASHERS SHOWN ABOVE. ATTACH THE WING PANELS TO THE VEHICLE USING THE M6 HH SCREWS AND 1/4" WASHERS SHOWN ABOVE.

ATTACH THE PARTITION TO THE FLOOR OF THE VEHICLE USING THE 5/16" HH SCREWS AND WASHERS SHOWN ABOVE. (USE OPTIONAL SPACERS UNDER FOOTER RAIL IF NEEDED FOR INSTALLED FLOORING MATERIALS)

FINISH INSTALLATION BY NOW TIGHTENING THE FASTENERS THAT ATTACH THE PANELS TO THE WINGS, FOOTER RAIL AND HEADER PANEL.

THIS COMPLETES THE INSTALLATION.