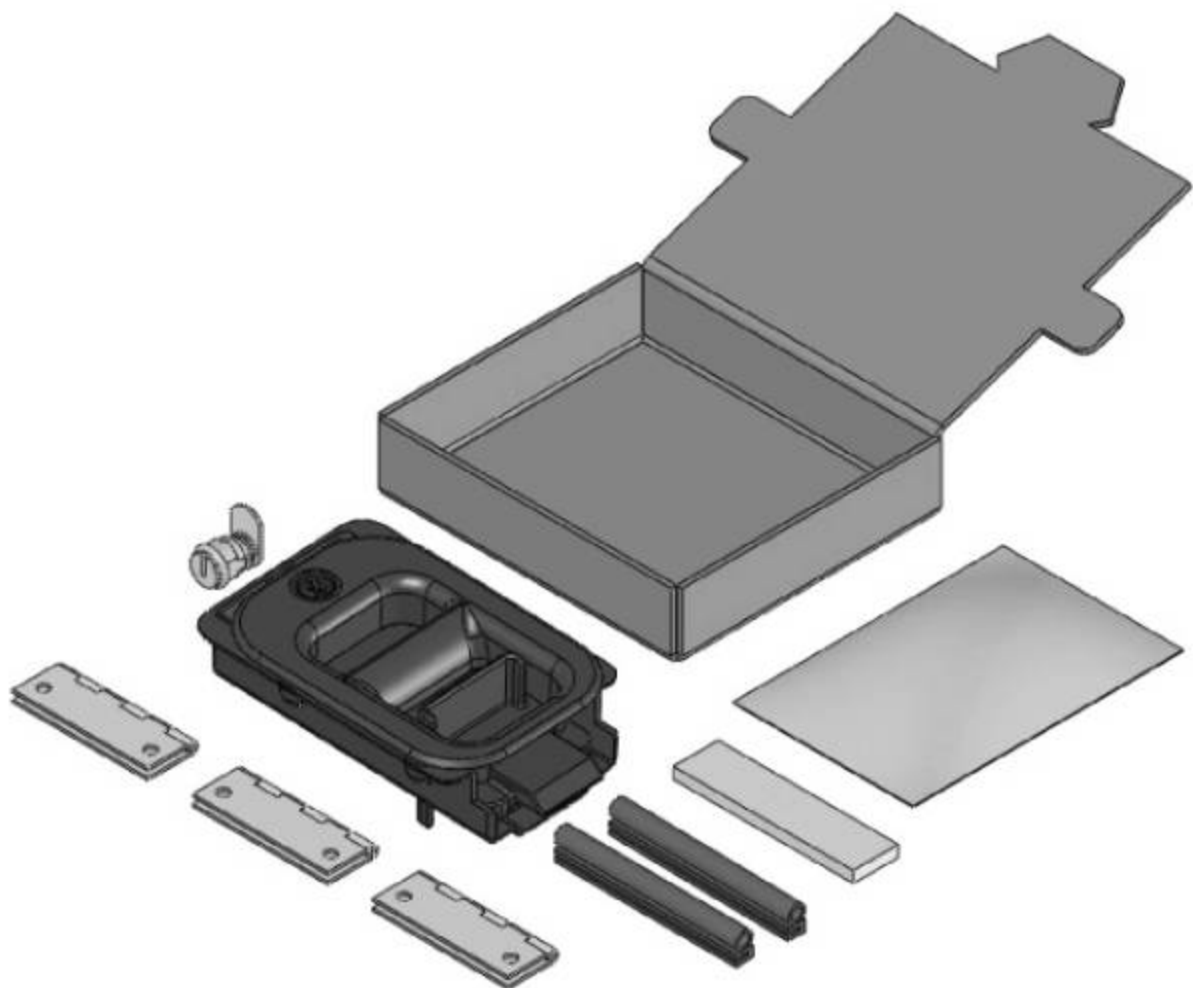


Assembly and Installation Instructions for PDK2



For use with all Sprinter Van Partitions

ECN-13456 DATE: 11-04-2010 DWG.BY: BTS REV.BY: _____ CHK.BY: _____ ISSUE: A P.N: 40076

PARTITION DOOR KIT PDK2

BEFORE YOU START!

IMPORTANT INSTALLATION STEPS ARE DENOTED USING A STOP SIGN. THESE STEPS MUST BE PERFORMED AS SPECIFIED IN ORDER TO ENSURE A PROPER INSTALLATION AND MUST BE FOLLOWED IN ORDER TO MAINTAIN YOUR PRODUCT WARRANTY!



CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIRONMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

#2 PHILLIPS & FLAT SCREWDRIVERS	TAPE MEASURE, 3/8" OPEN END, AND ADJUSTABLE WRENCH
INCH POUND CALIBRATED TORQUE WRENCH	3/8" SOCKET SET FOR TORQUE WRENCH

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



THE USE OF AIR OR ELECTRIC IMPACT TOOLS FOR THE ASSEMBLY OF FASTENERS IS NOT RECOMMENDED AND COULD CAUSE FASTENER FAILURE!



WARNING



THE USE OF DRILLS WITH INTEGRAL DRILL STOPS ALONG WITH PROPER INSPECTION FOR GAS TANK, GAS LINES, BRAKE LINES AND ELECTRICAL LINES PRIOR TO DRILLING ANY MOUNTING HOLES IS STRONGLY RECOMMENDED TO ENSURE THAT VEHICLE DAMAGE IS AVOIDED!



THE USE OF NON-STANDARD FASTENERS AND/OR DEVIATING FROM THE FASTENERS SPECIFIED IN THE INSTRUCTION (S) MAY VOID YOUR PRODUCT WARRANTY!

ALL DRILLED HOLES IN THE VEHICLE SHOULD HAVE THE RAW METAL EDGES SEALED WITH A SELF-ETCHING PRIMER TO RESIST CORROSION AND POTENTIAL FASTENER POINT FAILURE!

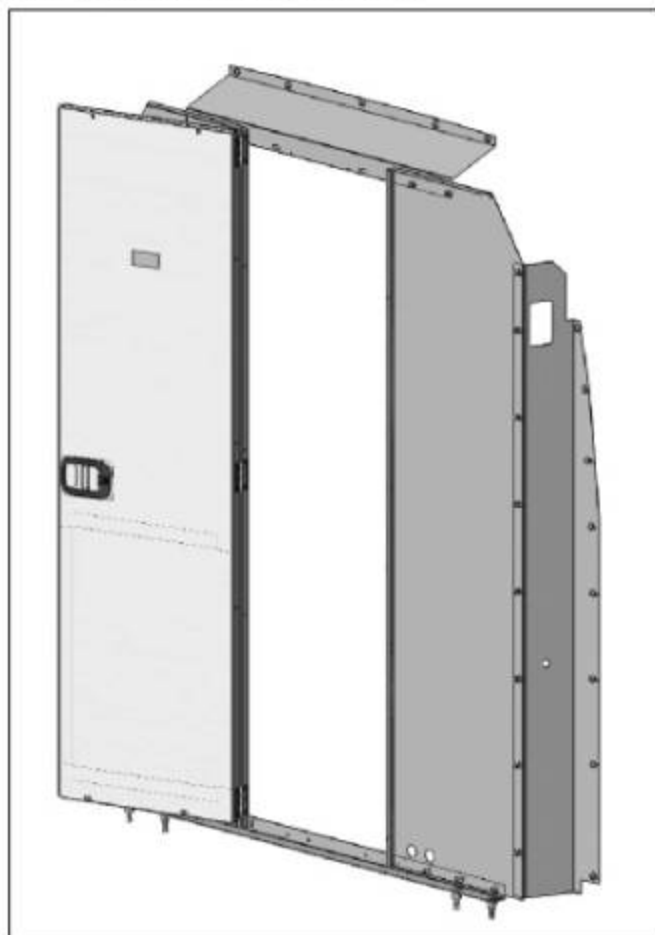
PARTITION DOOR KIT PDK2

STEP - 01

Attach Hinges on Street Side "S1/S2" Partition Panel

04495-0 Hinge Qty = 3	 FAS0013 Nut, Hex Flange, #8-32 x 3/8 UNC Qty = 12 Torque Specifications <u>24 in-lbs +/- 3 in-lbs</u>	 FAS0002 Screw, Flat Head, #8-32UNC x 1/2" Qty = 12 Torque Specifications <u>24 in-lbs +/- 3 in-lbs</u>
---	--	---

Attach upper, middle, and lower Hinges to the Partition S1/S2 panel and the Partition M1/M2 panel with (12) #8-32UNC x 1/2" Flat Head Screws, and (12) #8-32UNC Hex Flange Nuts. Leave all fasteners finger tight at this time. Square up the door hinges relative to the S1/S2 and M1/M2 partition panels. Torque to nuts to specified torque listed above and check door for proper swing operation before proceeding.



PARTITION DOOR KIT PDK2

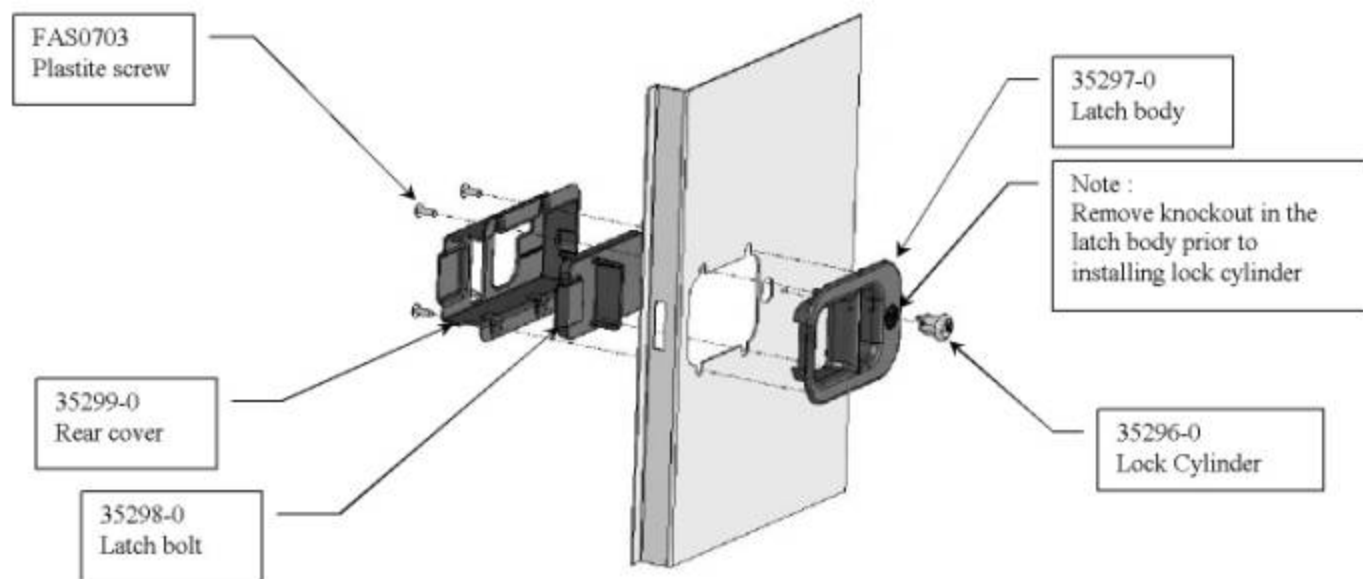
STEP - 02

Slam Latch Installation on Door Panel

 35297-0 Latch Body Qty = 1	 35298-0 Latch Bolt Qty = 1	 35299-0 Rear Cover Qty = 1	 FAS0703 Plastite screw Qty = 4 20 in-lbs +/- 2 in-lbs	 35296-0 Lock Cylinder Qty = 1
--	--	--	--	---

Remove the two Knockout pieces in the Door Panel. Use a Flat bladed screwdriver, start at one side, and gently pry knockouts loose.

Remove contents from vendor supplied bag; position Slam Latch in door panel as shown below. Secure the latch to the door panel with the supplied screws identified above and in figure below.

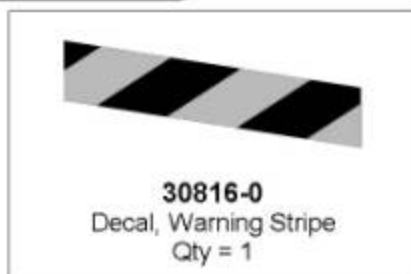


If door is to be a "Locking Door", add Lock Cylinder through Slam Latch Body in door panel (Knock-Out may need to be removed). Secure the lock to the door panel with the supplied jamb nut. Position Latch Pawl to engage the slide stop on Slam Bolt. Tighten Phillips screw in Lock Cylinder. Test. Stow Keys.

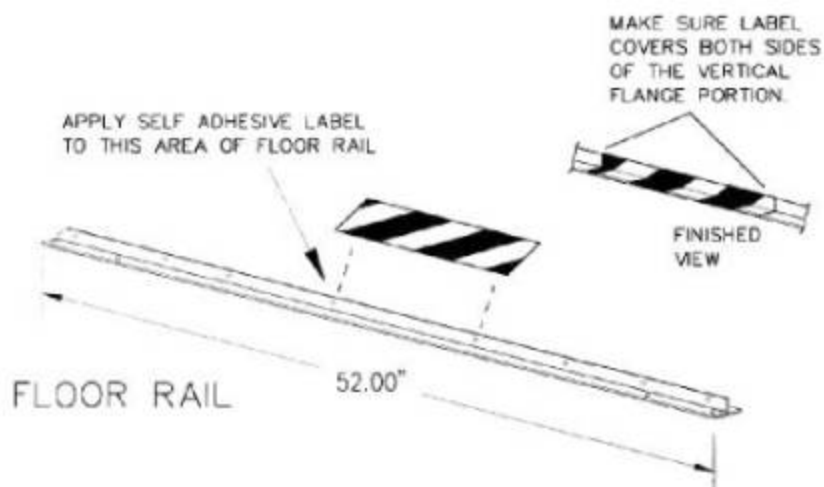
PARTITION DOOR KIT PDK2

STEP - 03

Attach Caution Stripe to Partition Mount Rail (at floor)



Remove paper backing from Decal, apply directly to the floor rail as shown.



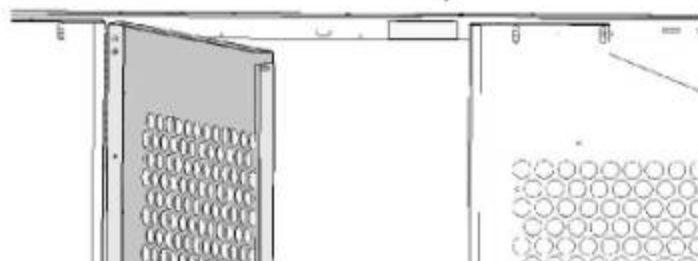
STEP - 04

Attach Foam Tape to Partition Header Rail



Start with a short section (approximately 4") of Foam Tape, cut from piece supplied. Remove backing from Strip, and apply to Header Rail face, near the top edge, and near the end of the door swing. Close door to make sure door touches the foam strip.

Foam Tape applied to bottom edge of partition upper header.



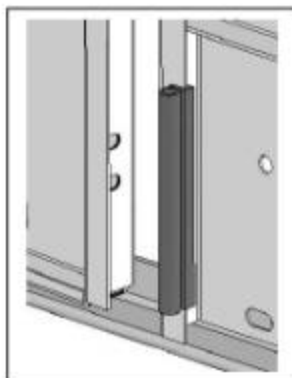
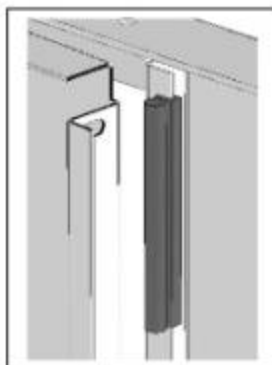
PARTITION DOOR KIT PDK2

STEP – 05

Attach Door Edge Trim to Curb Panel



Slide the Door Edge Seal (4" lg) over the lip of the C1/C2 partition panel as shown below. Make sure the bulb of the edge seal is facing outward such that it contacts the M1/M2 door panel when door is in the closed and latched position.



STOP

**DOUBLE-CHECK ALL FASTENER LOCATIONS TO BE
SURE THAT ALL FASTENERS ARE TIGHTENED TO
SPECIFICATIONS!**

STOP

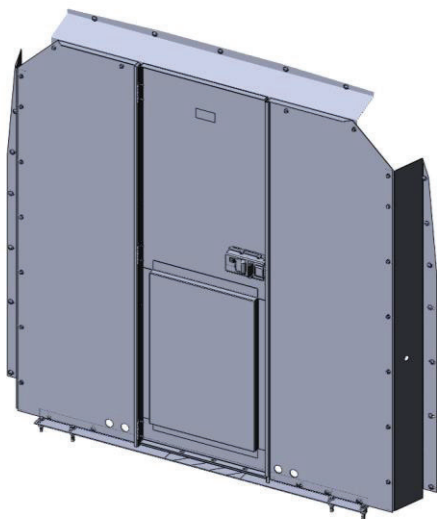
**YOUR INSTALLATION IS NOW COMPLETE! STOW THIS COPY IN THE VEHICLE
FOR FUTURE REFERENCE!**



ADRIAN STEEL®
VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF

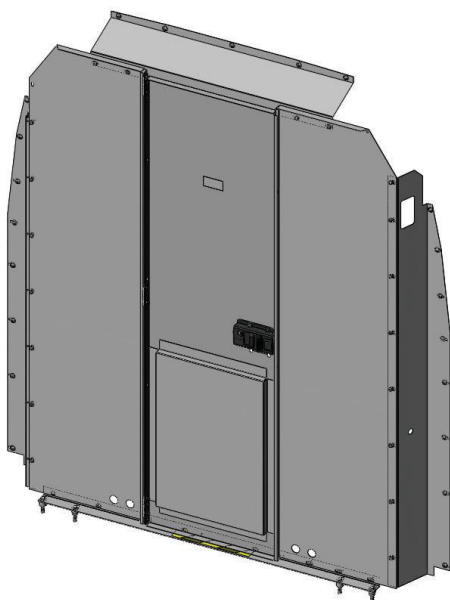
S-M-C Partition Panel Assembly and Installation



S1M2HC2SPS

2007 SPRINTER STANDARD ROOF S-M-C Styles

S1M1C1SPS	S1M1HC1SPS
S1M2C1SPS	S1M2HC1SPS
S1M2C2SPS	S1M2HC2SPS
S2M2C2SPS	S2M2HC2SPS



S1M2HC2SPH

2007 SPRINTER HIGH ROOF S-M-C Styles

S1M1C1SPH	S1M1HC1SPH
S1M2C1SPH	S1M2HC1SPH
S1M2C2SPH	S1M2HC2SPH
S2M2C2SPH	S2M2HC2SPH



BEFORE YOU START!

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CRITICAL INFORMATION PERTAINING TO USER AND/OR VEHICLE SAFETY IS DENOTED USING A CAUTION SIGN. SAFETY ITEMS MUST BE STRICTLY ADHERED TO IN ORDER TO ENSURE A SAFE WORKING ENVIRONMENT!



YOU WILL NEED THE FOLLOWING TOOLS IN ORDER TO COMPLETE THIS JOB.

#3 PHILLIPS SCREWDRIVER	9/16" OPEN END WRENCH FOR SETTING PLUSNUTS, DRILL MOTOR, 1/2" DRILL BIT WITH 1/2" DEEP STOP
7/16" OPEN END WRENCH	RATCHET WRENCH, WITH 7/16" & 1/2" SOCKET

ALL FASTENERS USED IN THE ASSEMBLY AND INSTALLATION OF THIS PRODUCT SHOULD BE TIGHTENED TO THE SPECIFIED TORQUE AS LISTED WITH EACH FASTENER CALLOUT BOX.



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WARNING



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**TO PREVENT EXHAUST FUMES FROM ENTERING THE VEHICLE,
ALL HOLES SHOULD BE SEALED AT INSTALLATION WITH
BUTYL OR SILICON SEALANT MATERIAL.**



Whenever a plusnut is specified it is important that the proper size installation hole is provided.

PLUSNUT SIZE		DRILL SIZE <i>(with stop)</i>
1/4-20 PLUSNUT, FAS0052		3/8" DIAMETER
5/16-18 PLUSNUT, FAS0091		1/2" DIAMETER

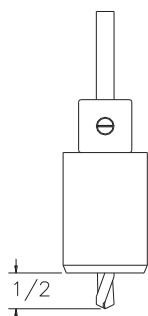
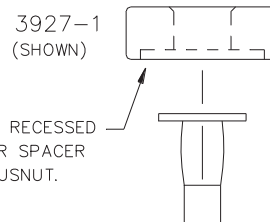
FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

Position each item in desired location inside the vehicle and mark the floor mounting locations.

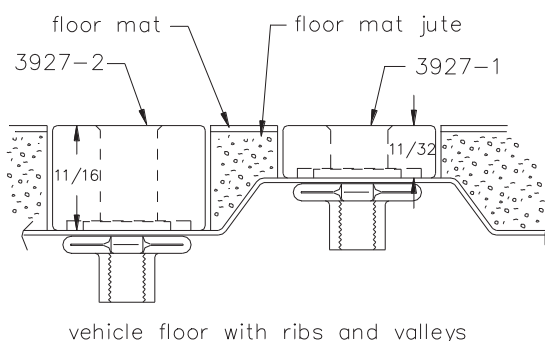
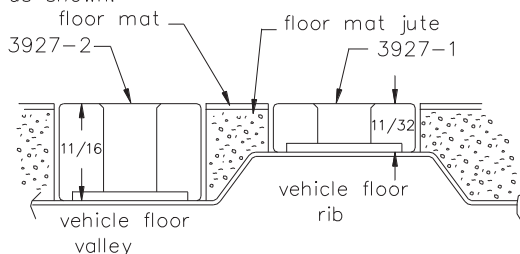
It is recommended that a drilling template be used to ensure an accurate placement of components is achieved for this installation.

Using the cutting tool, drill a pilot hole thru the mat/carpet and metal floor pan.

Spacer Use and Installation



Placing the properly sized spacer on top of the vehicle floor pan will make your Adrian interior level, square, and sound. The view below shows the proper sized spacer for the different heights of the vehicle floor. Make sure to place the spacers with the plusnut relief surface down as shown.



The location of various floor mounts will determine what spacer combination will be used. For example, an 11/32" spacer is used atop floor ribs, and an 11/16" high spacer is used atop floor valleys.



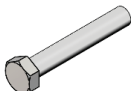
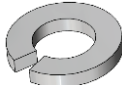
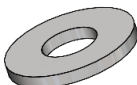
**THE PROPER USE OF SPACERS IS REQUIRED WHEN MOUNTING
OVER MAT/CARPET TO ENSURE THE METAL-TO-METAL CLAMP-
UP, WHICH WILL PREVENT UNWANTED COMPONENT SHIFTING
AND POTENTIAL FAILURE DURING USE.**



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VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF**STEP – 01****VEHICLE PREPARATION:****FLOOR RAIL PLUSNUT MOUNTING LOCATIONS**

 03927-1 11/32 C/F 1006 SPACER (2) included	 03927-2 11/16 C/F 1006 SPACER (2) included	 FAS0091 5/16" PLUSNUT (4) REQUIRED	 22200-0 PLUSNUT TOOL	NOTE: PLUSNUT TOOL NOT SUPPLIED WITH THIS KIT. ORDER PLUSNUT TOOLS FROM ADRIAN STEEL OR USE INSTALLATION TOOLKIT 31291-0
	 FAS0095 SCREW, HEX HD, 5/16"-18 X2" (4 REQUIRED)	 FAS0098 WASHER, LOCK, SPLIT 5/16" ID (4 REQUIRED)	 FAS0086 WASHER, FLAT, 5/16" ID (4 REQUIRED)	

If you have a Partition Floor Jig place it into the van following the instruction decals on template.

**33960-0 FLOOR MOUNT RAIL BRACKET TEMPLATE
(1) REQUIRED**

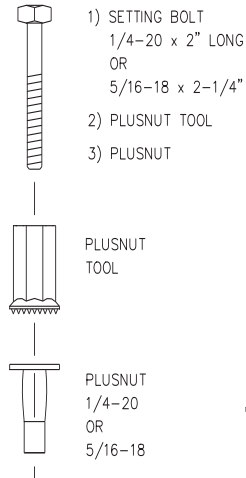
NOTE: If you do not have drilling template, assemble partition completely and place in installed position and mark holes remove partition

Using 1/2" drill bit with drill stop, drill holes at the marks you made in the van floor.

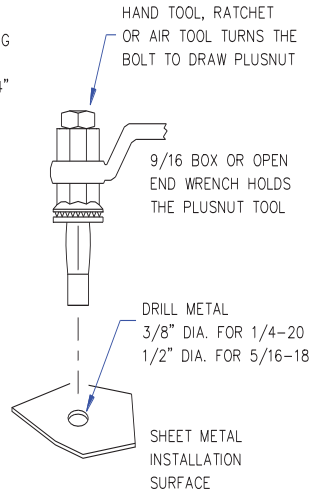
Clean up debris from drilling and Install a 5/16" plus nut into each hole along with a lock and flat washer, and set the plusnut as shown in illustration in the following page.



ASSEMBLE THE
FOLLOWING



SETTING THE
PLUSNUT





2007 SPRINTER HIGH ROOF B-PILLAR MODIFICATIONS:

NOTE: On 2019 and newer Sprinter models, the B-Pillar trim will need to be modified by removing the rear portion on both sides of the van. This will allow access to sheet metal underneath the trim and a stable mounting point for the wing kits of the partition.

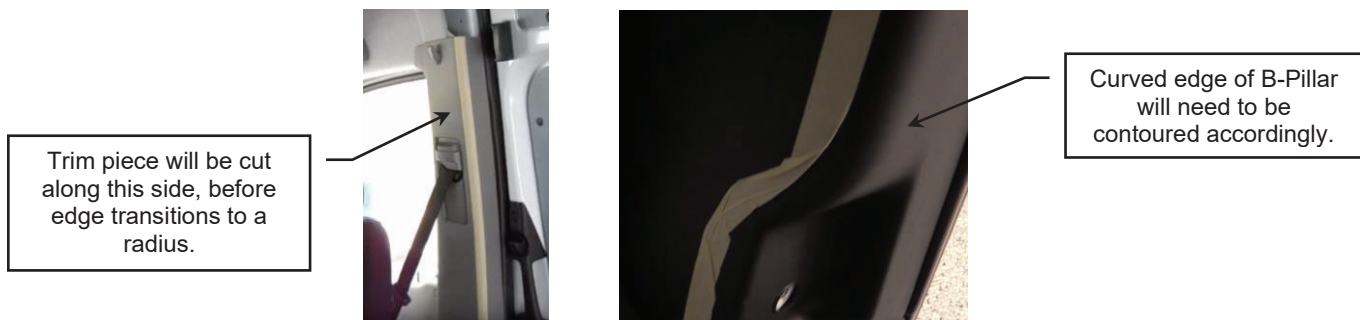
See YouTube videos for process instructions:

<https://vimeo.com/390504035/4b1156f73a>

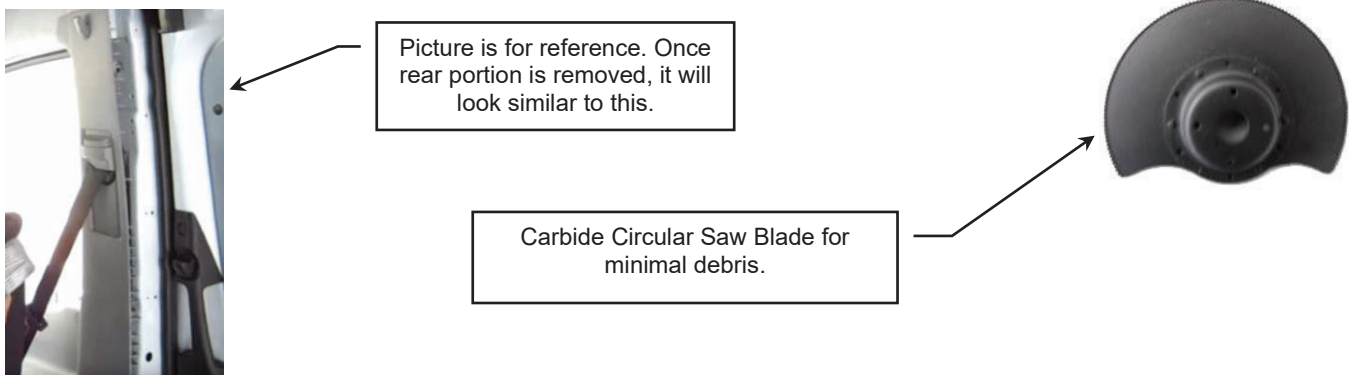


Step 01: Remove D-Rings located at the bottom of the B-Pillar using a power drill and a torque bit. These will not be needed when installing a steel partition.

Step 02: Using masking tape, create a cutting line ensuring one side of the tape is along the edge before it transitions to a radius. Tape will contour and follow the radius all the way down the B-Pillar.



Step 03: Cut along tape using a high speed oscillating tool. It is recommended using a circular saw blade for minimal debris. After cut is made, the rear portion of the B-Pillar can easily be removed.



Step 04: Using a box cutter or deburring tool, cut away the excess plastic pieces and use a vacuum to clean them from the floor of the van. It is important the plastic debris is **never** cleaned with an air hose, this could lead to plastic lodged into the seatbelt mechanism and cause safety issues.

**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF

STEP – 02**VEHICLE PREP: (STANDARD and/or HIGH) HEADER PANEL**

 323951-0 HEADER PANEL, 07SPR, STD	 33982-0 HEADER PANEL, 07SPR, HIGH	 FAS0041 SCREW, TRUSS HD, PHILLIPS, #14-10 X 3/4" (5) req'd	 FAS0066 WASHER, LOCK, EXT TOOTH, 1/4" ID (5) req'd	 FAS0067 WASHER, FLAT, 1/4" ID (5) req'd
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Attach the standard (32951-0) or the high (33982-0) header panel depending on your van roof height to the backside of the van roof bow just aft of the driver/passenger seating location. Use (5) sheet metal screws utilizing the existing holes in the vans' roof bow.

Important: Do Not fully tighten fasteners at this point! These will be tightened during final installation of the assembled partition into the 2007 Sprinter Van.

CENTER SLOT ON HEADER PNL
ALIGNS WITH THE CENTER
HOLE IN VEHICLE ROOF BOW

07SPRINTER ROOF BOW
JUST AFT OF
DRIVER/PASSENGER
SEATING LOCATION

32951-0 SHOWN IN
PHOTOGRAPH



FAS0067 (5) PL

FAS0041 (5) PL

FAS0066 (5) PL

CENTER SLOT ON
HEADER PNL ALIGNS
WITH THE CENTER
HOLE IN VEHICLE
ROOF BOW

**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF**STEP – 03****SMC 2007 Sprinter Partition Assembly****SMC 2007 Sprinter Standard Roof Partition Parts List**

			
27530-0 S1 Panel Sprinter	27531-0 S2 Panel Sprinter	27532-0 M1 Panel Assy Sprinter	27533-0 M2 Panel Assy Sprinter
			
27534-0 C1 Panel Sprinter	27534-0 C2 Panel Sprinter	33949-0 Std Street Side Wing Panel	33950-0 Std Curb Side Wing Panel

SMC 2007 Sprinter High Roof Partition Parts List

			
33978-G S1 Panel, 07Spr, High	33979-G S2 Pane, 07Spr, High	33985-0 M1 Panel Assy 07Spr, High	33983-0 M2 Panel Assy, 07Spr, High
			
33980-G C1 Panel, 07Spr, High	33981-G C2 Panel, 07Spr, High	33976-0 Wing, Street, 07Spr, High	33977-0 Wing, Curb, 07Spr, High

SMC 2007 Sprinter Partition Common Parts List

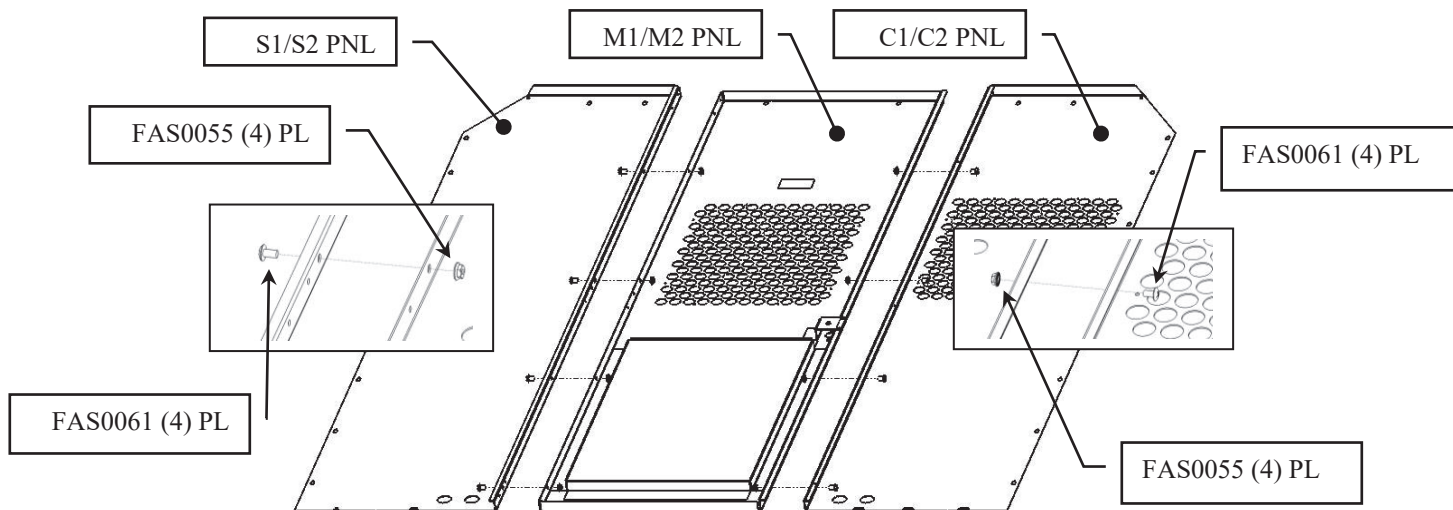
		
36986-G Footer Rail, Partition	FAS0055 Nut, Hex Flange Hd, 1/4-20UNC 15 req'd (8) FT-LBS Torque	FAS0061 Screw, Truss Hd Phillips, G5. 14-20UNC x 1/2" lg 15 req'd (8) FT-LBS Torque



Upon receipt of your order, check for hidden damage. Use the illustrations above to be sure you have all the parts needed to proceed with this step. Contact ADRIAN STEEL if you find shortages.

SMC WITH NO DOOR

Attach the appropriate “S” panel (Street Side Panel) and “C” panel (Curb Side Panel) to the (M) panel (Middle Fixed Panel) as shown in the figure below. Do not attach the header panel at this time. It will be installed into the vehicle and attached to the partition later in this install procedure.



**SMC WITH DOOR PLEASE SEE PDK2
INSTALL INSTRUCTIONS THAT COMES WITH
THAT KIT**

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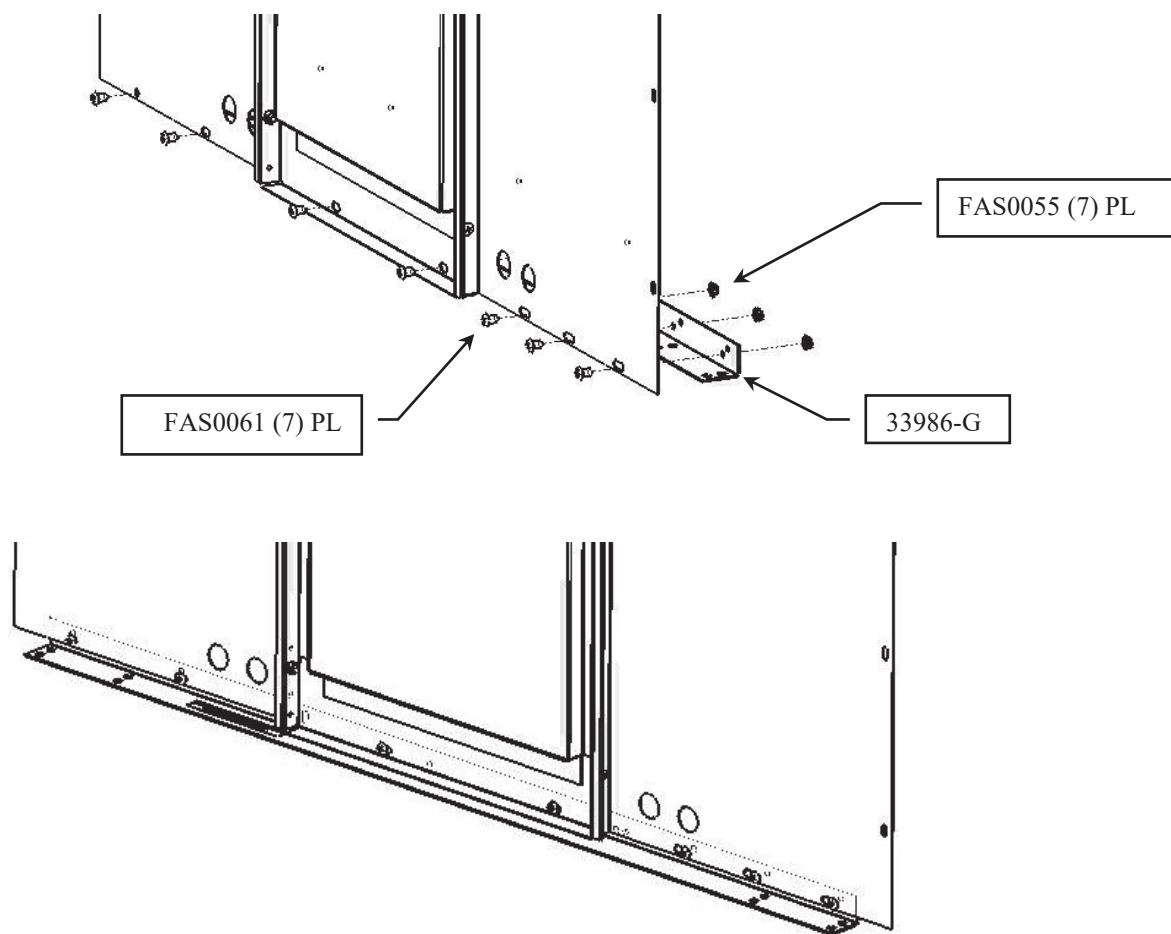
VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF

STEP – 04**SMC 2007 Sprinter Partition Assembly (cont.)**

Next attached the partition floor mounting rail bracket to the previously assembled SMC panels using (7) 1/4-20UNC x 1/2" Truss Hd Phillips screws and Hex Hd Nuts as shown in figures below. Be sure that the floor rail mounting bracket is orientated as shown in figures below prior to tightening screws to their recommended torque.

NOTE: Do not install the (2) fastener positions in lower M panel if partition is to have a door



You have now completed assembly of the panels and the Floor Rail Mounting Bracket for the 2007 Sprinter High Roof “S-M-C” Partition (w/Fixed Center Panel).

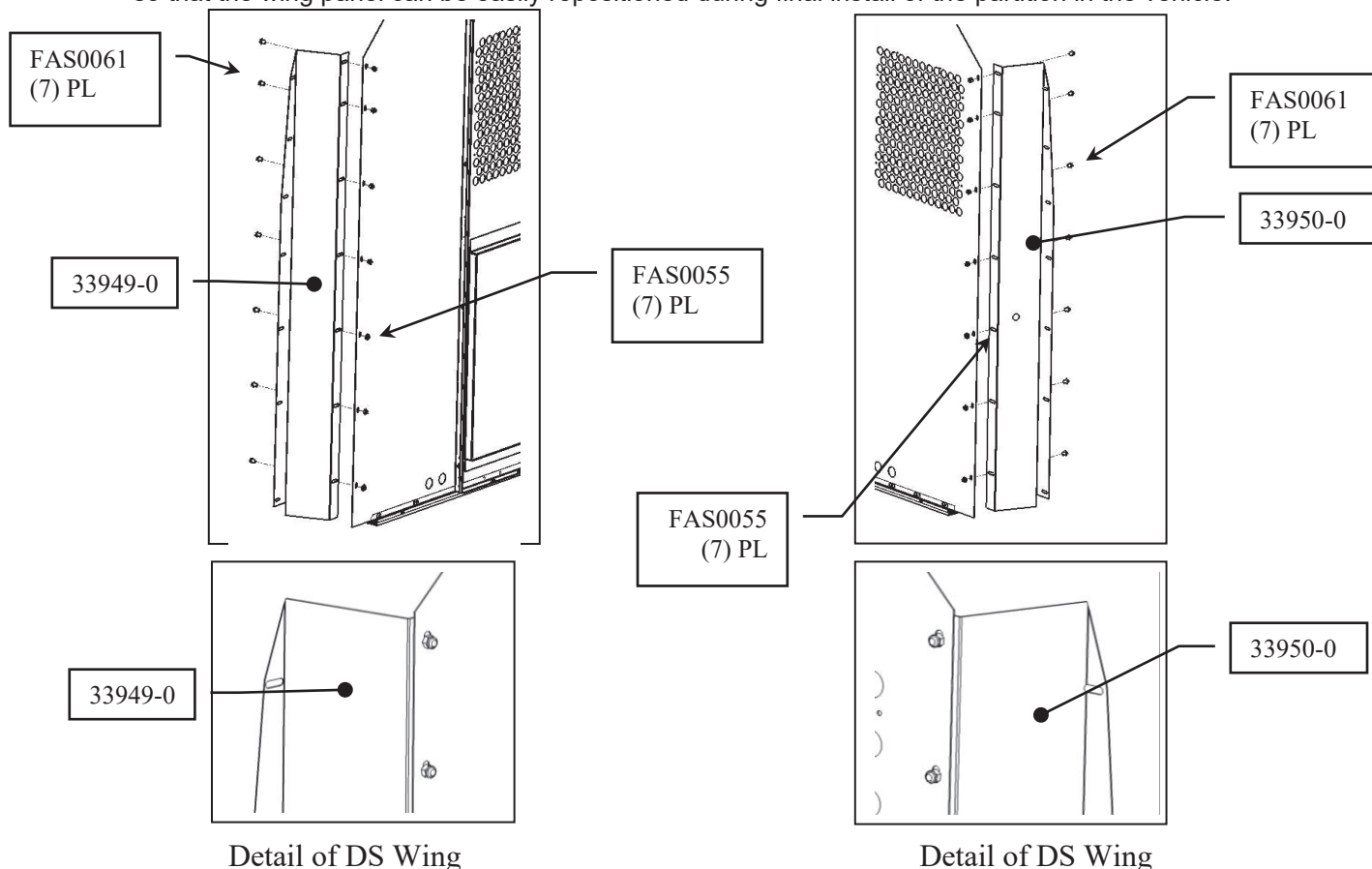


STEP – 05A

SMC Standard Roof Wing Panel Assembly

 33949-0 Wing, Street, 07Spr, Std	 33950-0 Wing, Curb, 07Spr, Std	 FAS0061 Screw, THP, G5. 14-20UNC x 1/2" lg 14 req'd (8) FT-LBS Torque	 FAS0055 Nut, Hex Flange Hd, 1/4-20UNC 14 req'd (8) FT-LBS Torque
--	--	--	--

Attach the Street and Curb Wings to the partition by positioning the 1" flange against the cab side of the "S" panel and "C" panel as shown in detail views below. The Truss Hd Phillips screws must be installed from the CAB SIDE of the partition. By installing the screws from the cab side it presents a smooth exposed screw head in the passenger "cab" area of the van. Do not tighten fasteners fully at this time, they must remain loose so that the wing panel can be easily repositioned during final install of the partition in the vehicle.



You have now completed assembly of the wing panels for the 2007 Sprinter Standard Roof "S-M-C" Partition. Proceed to Step 07 on Page 12 to install the partition into your Sprinter Van.

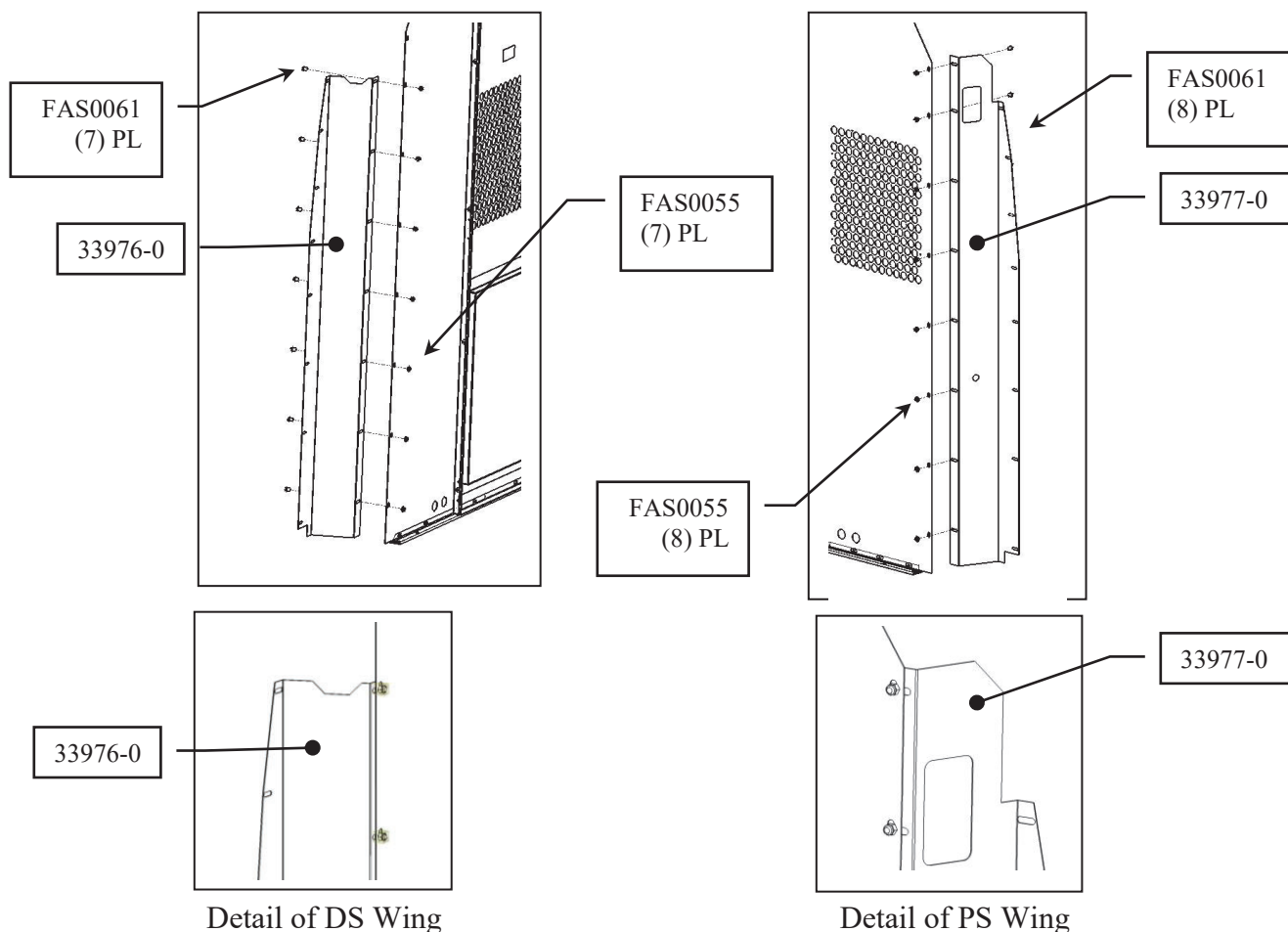
**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF**STEP – 05B****SMC HIGH Roof Wing Panel Assembly**

 33976-0 Wing, Street, 07Spr, High	 33977-0 Wing, Curb, 07Spr, High	 FAS0061 Screw, THP, G5. 14-20UNC x 1/2" lg 15 req'd (8) FT-LBS Torque	 FAS0055 Nut, Hex Flange Hd, 1/4-20UNC 15 req'd (8) FT-LBS Torque
---	---	--	--

Attach the Street and Curb Wings to the partition by positioning the 1" flange against the cab side of the "S" panel and "C" panel as shown in detail views below. The Truss Hd Phillips screws must be installed from the CAB SIDE of the partition. By installing the screws from the cab side it presents a smooth exposed screw head in the passenger "cab" area of the van. Do not tighten fasteners fully at this time, they must remain loose so that the wing panel can be easily repositioned during final install of the partition in the vehicle.



You have now completed assembly of the wing panels for the 2007 Sprinter High Roof "S-M-C" Partition. Proceed to Step 07 on Page 12 to install the partition into your Sprinter Van.

**ADRIAN STEEL®**

VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF**STEP – 06****PARTITION TO HEADER PANEL INSTALLATION****FAS0055**

Nut, Hex Flange
Hrd Zn, 1/4-20UNC
6-Required
8 FT-LBS TORQUE

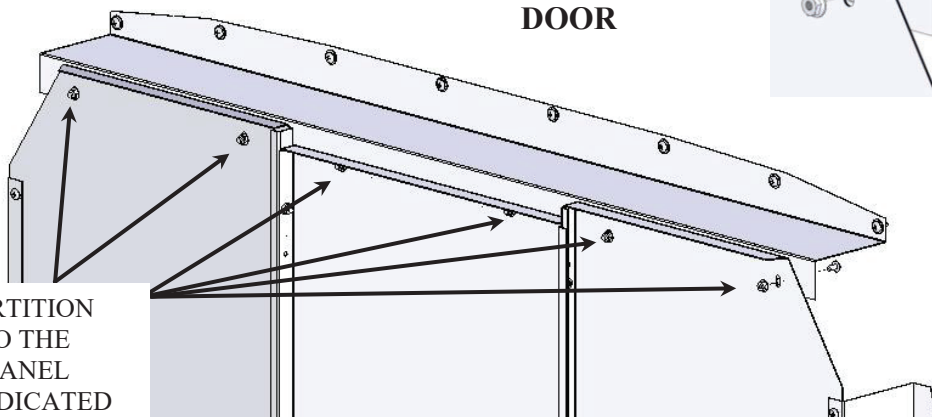
**FAS0061**

Screw, Truss Hd, Phillips,
1/4-20UNC x 1/2", Grade 5
6-Required
8 FT-LBS TORQUE

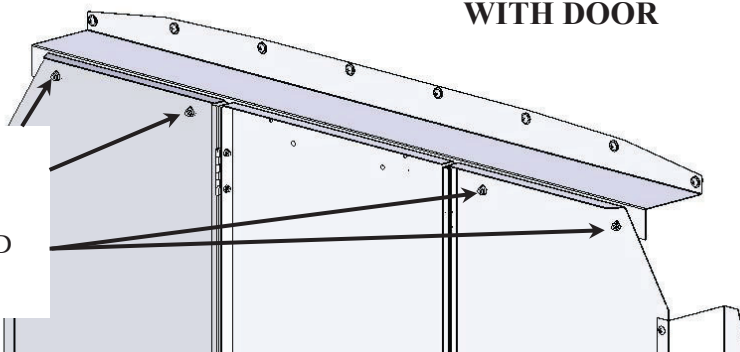
After the floor partition flange fasteners have been installed secure the partition to the header panel with the fasteners shown above. Install the screws through the header panel from the cab side and secure the hex flange nuts on the cargo side of the partition. Tighten the fasteners to 8 FT-LBS torque.

**WITHOUT
DOOR**

SECURE PARTITION
PANELS TO THE
HEADER PANEL
IN PLACES INDICATED
(6) PL

**WITH DOOR**

SECURE PARTITION
PANELS TO THE
HEADER PANEL
IN PLACES INDICATED
(4) PL





ADRIAN STEEL®

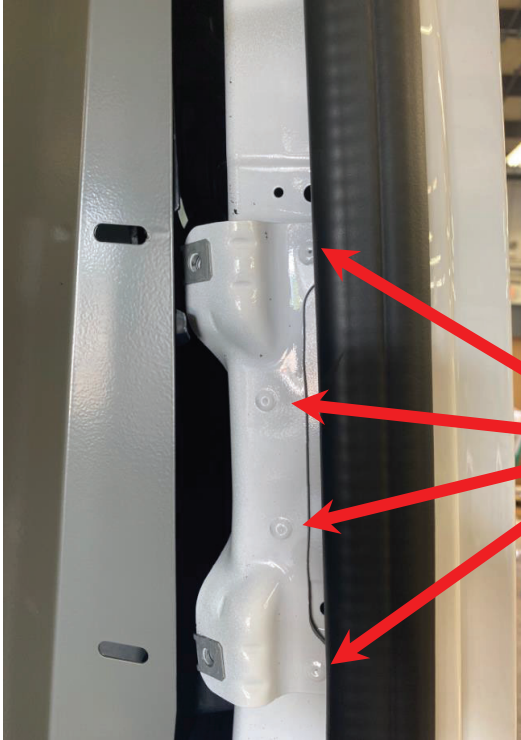
VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF

STEP – 07A

PARTITION WINGS TO B-PILLAR INSTALLATION

***IF YOUR SPRINTER HAS THE OEM GRAB HANDLE OPTION, FOLLOW THIS STEP TO REMOVE THE MOUNT. IF NOT, SKIP TO STEP 08B.**



DRILL OUT THESE (4) RIVETS TO REMOVE MOUNT AND DISCARD. PRY OFF OF ADHESION BACKING.

ONCE MOUNT IS REMOVED, THESE TWO MOUNTING HOLES CAN BE USED FOR WING.



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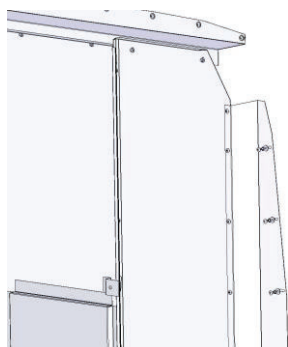
VAN AND PICKUP EQUIPMENT

2007 SPRINTER, STD & HIGH ROOF

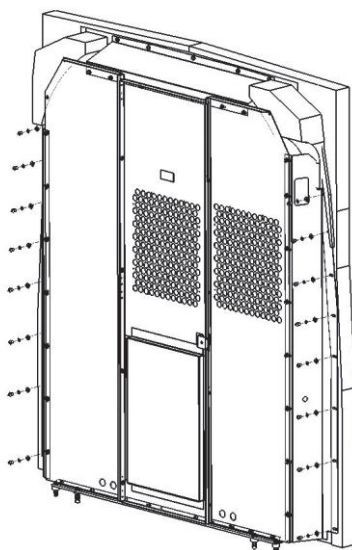
STEP – 07B**PARTITION WINGS TO B-PILLAR INSTALLATION**

 FAS0041 Screw, Truss Hd, Phlps, #14-10 x3/4" lg 16-REQUIRED	 FAS0066 Washer, Lock, Ext Tooth, 1/4" ID 16-REQUIRED	 FAS0067 Washer, Flat, 1/4" ID 16-REQUIRED
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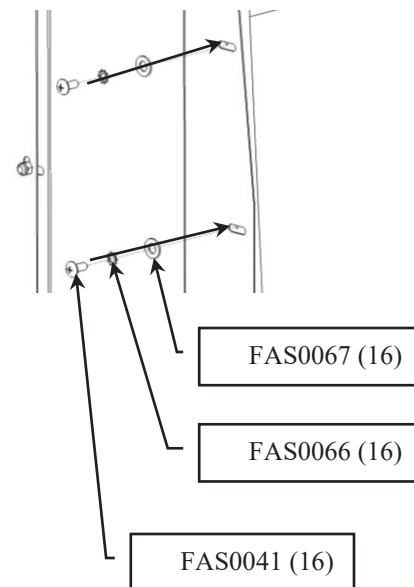
After the partition to header panel fasteners are tighten position the wing panels out toward the sides of the van as far as possible. There are existing holes in the B-pillar to mount the wings panels and each "S" and "C" panels have vertical slots to allow vertical wing panel adjustments. Adjust each street and curb wing panel (vertically & horizontally) as required to install fasteners into the "B" pillars and then tighten the fasteners securely in place.



**S1M1C1SPS
SHOWN**



**S1M2C2SPH
SHOWN**



**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!**