



S-M-C Partition Panel Assembly and Installation

P.N.: 33957-0

ISSUE: E

CHK.BY:

REV.BY:

DWG.BY: BTS

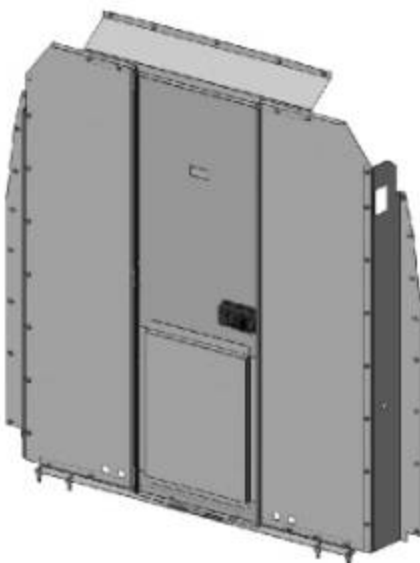
DATE: 11-05-2010
ECN-12456



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!**

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.

#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.



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!



**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

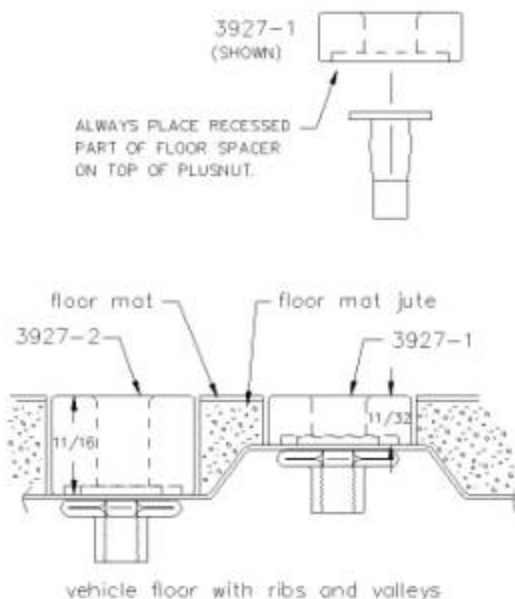
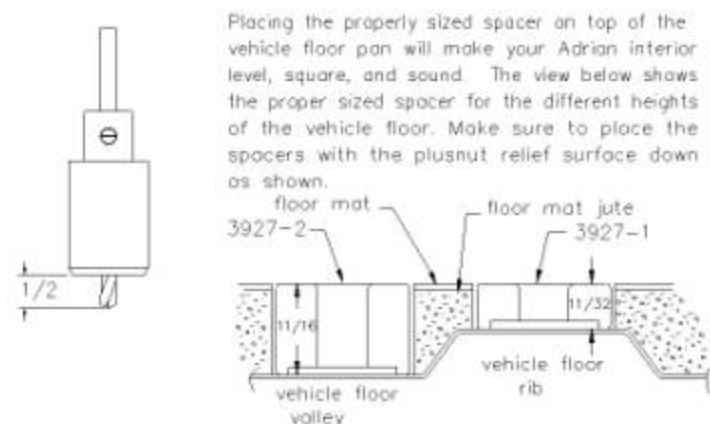
FOR MOUNTING THROUGH A FLOOR MAT AND/OR CARPET

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



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.**



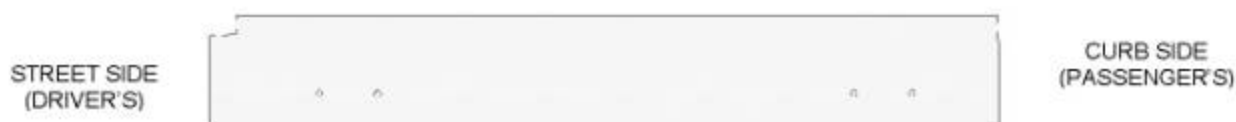


STEP - 01

**VEHICLE PREPARATION:
FLOOR RAIL PLUSNUT MOUNTING LOCATIONS**

 03927-1 11/32 C/F 1006 SPACER (4) included	 03927-2 11/16 C/F 1006 SPACER (4) 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
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If you have a Partition Floor Jig place it into the van following the instruction decals on template.

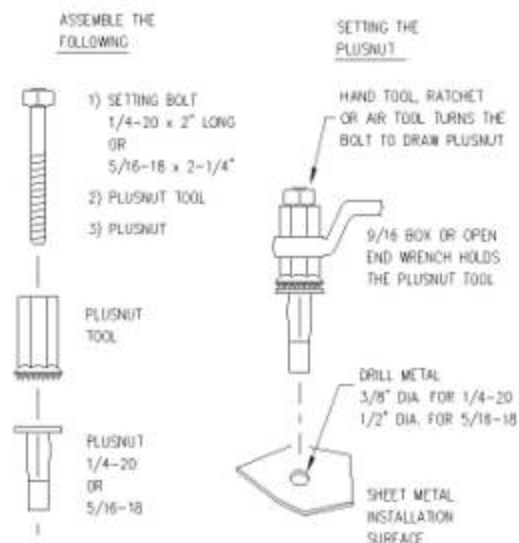


**33960-0 FLOOR MOUNT RAIL BRACKET TEMPLATE
(1) REQUIRED**

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 and set the plusnut as shown in illustration.





STEP - 02

VEHICLE PREP: HEAD IMPACT FOAM INSERT MODIFICATIONS

NOTE: If your 2007 Sprinter, either Standard or High Roof models, comes with a factory installed partition and you plan on installing a Adrian Steel "SMC" partition you **MUST** order from your Dodge dealership the head impact foam inserts for your particular Sprinter van model.

NOTE: The standard roof 2007 Sprinter vans **NO NOT REQUIRE** Head Impact Foam Insert modifications.

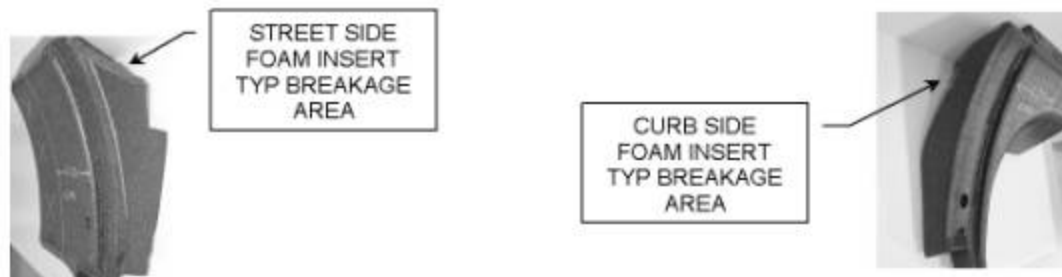
NOTE: The high roof 2007 Sprinter vans **REQUIRE** Head Impact Foam Insert modifications. Rework involves removing inserts from the vehicle, removing foam material (as shown below), and then re-installing inserts back into the vehicle. In addition reworking of the Street side foam insert results in exposing of the wire harness running along the top street side wall section.

2007 SPRINTER HIGH ROOF HEAD IMPACT FOAM INSERT MODIFICATIONS:

STEP 01: For the street side measure 6.25" from the cab area headliner and mark foam as shown in the left side photo below. Repeat procedure for the curb side foam insert.



STEP 02: Next remove the inserts by pulling down on the inserts removing the Velcro attachment pads. The molded foam inserts have features that partial wrap around each "B" pillar, these features will break off during removal, discard this broken off section.



STEP 03: Cut foam along previously marked lines (from STEP 01) and re-install modified foam insert back in vehicle as shown below. Photographs below show inserts reinstalled in vehicle.





STEP - 03

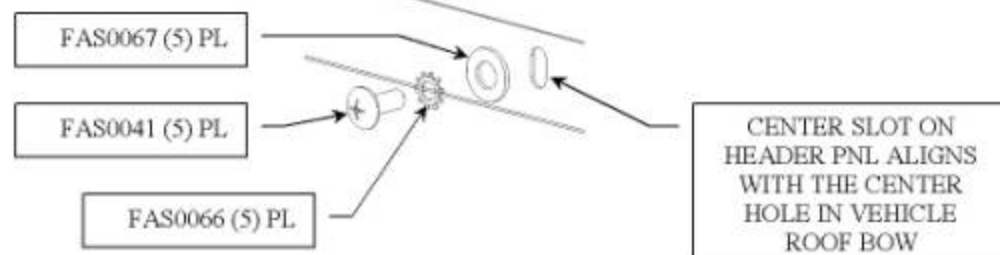
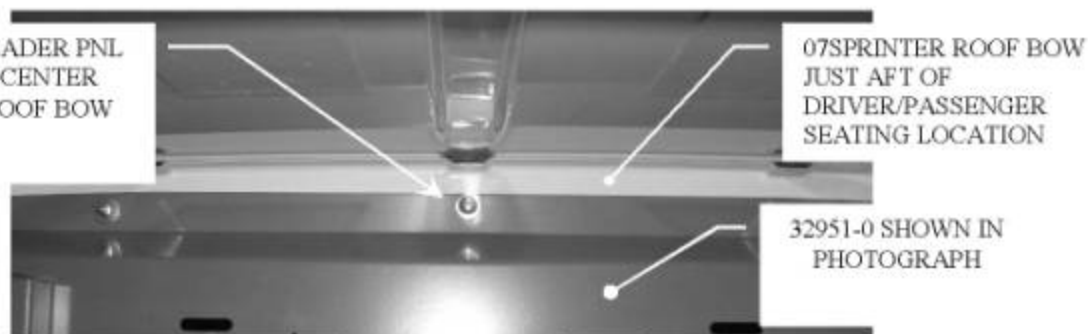
VEHICLE PREP: (STANDARD and/or HIGH) HEADER PANEL

 <p>323951-0 HEADER PANEL, 07SPR, STD</p>	 <p>33982-0 HEADER PANEL, 07SPR, HIGH</p>	 <p>FAS0041 SCREW, TRUSS HD, PHILLIPS, #14-10 X 3/4" (5) req'd</p>	 <p>FAS0066 WASHER, LOCK, EXT TOOTH, 1/4" ID (5) req'd</p>	 <p>FAS0067 WASHER, FLAT, 1/4" ID (5) req'd</p>
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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
ALIGN WITH THE CENTER
HOLE IN VEHICLE ROOF BOW






**STEP – 04****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

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

SMC 2007 Sprinter Partition Common Parts List

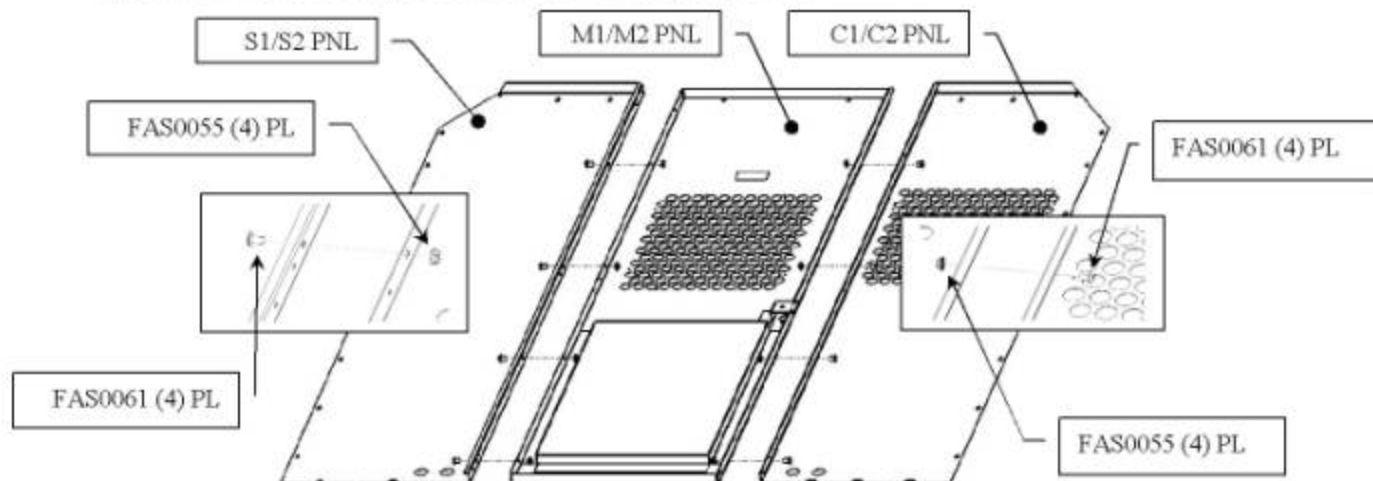
			
36986-G Footer Rail, Partition	FAS0055 Nut, Hex Flange Hd, 1/4-20UNC 15 req'd (8) FT-LBS Torque	FAS0061 Screw, Truss Hd Phillips, G5, 14-20UNC x 1/2" lg 15 req'd (8) FT-LBS Torque	



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**

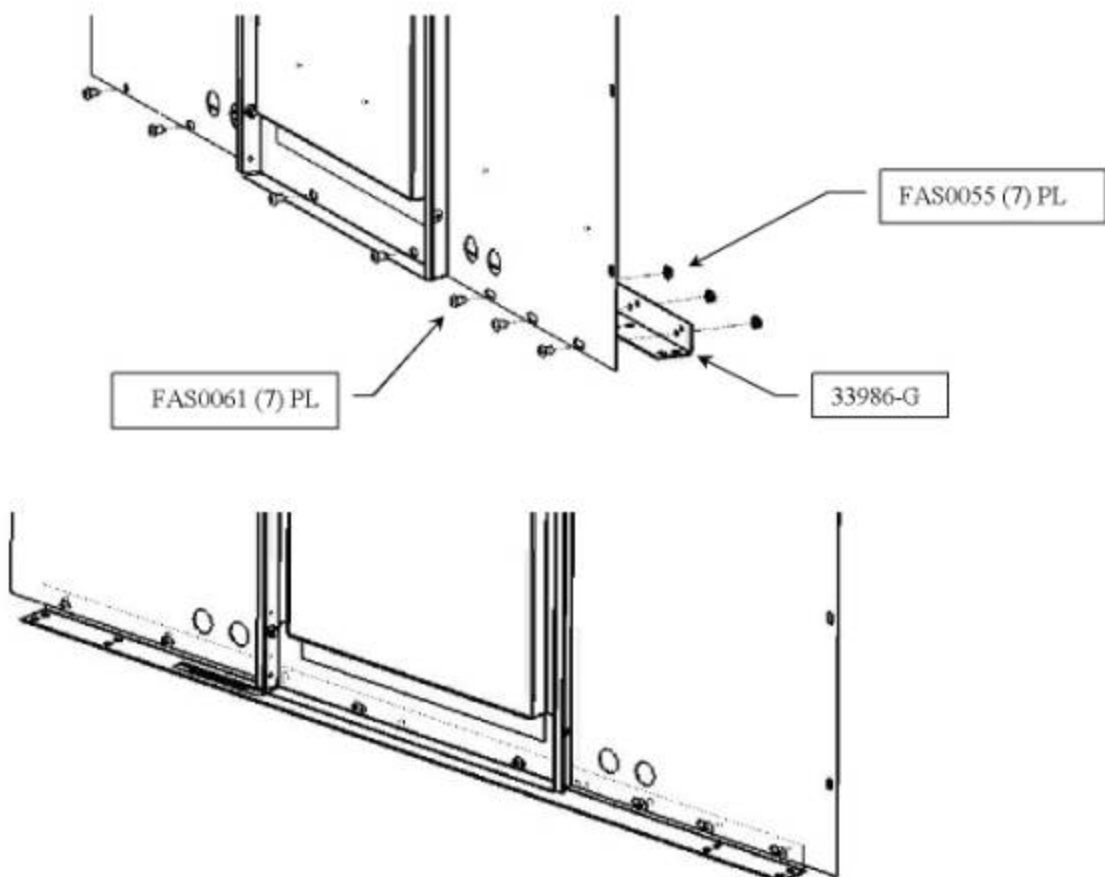


STEP – 05

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).

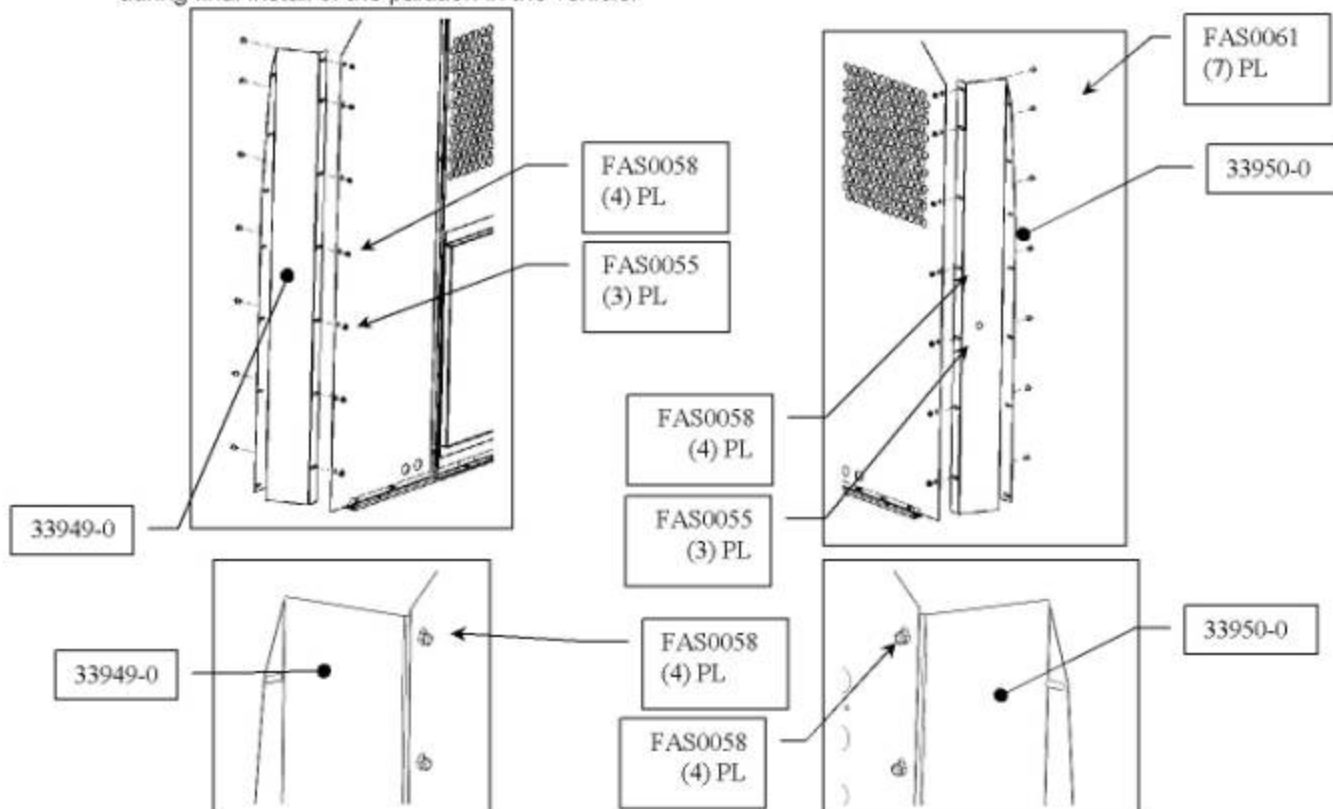


STEP - 06

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 6 req'd (8) FT-LBS Torque	 FAS0058 Nut, Nylon Locking, 1/4-20UNC 8 req'd (8) FT-LBS Torque
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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. Please note that the top (4) wing panel holes are secured with (4) nylon locking hex nuts while the remaining (3) bottom holes are secured with (3) hex flange head nuts. 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.

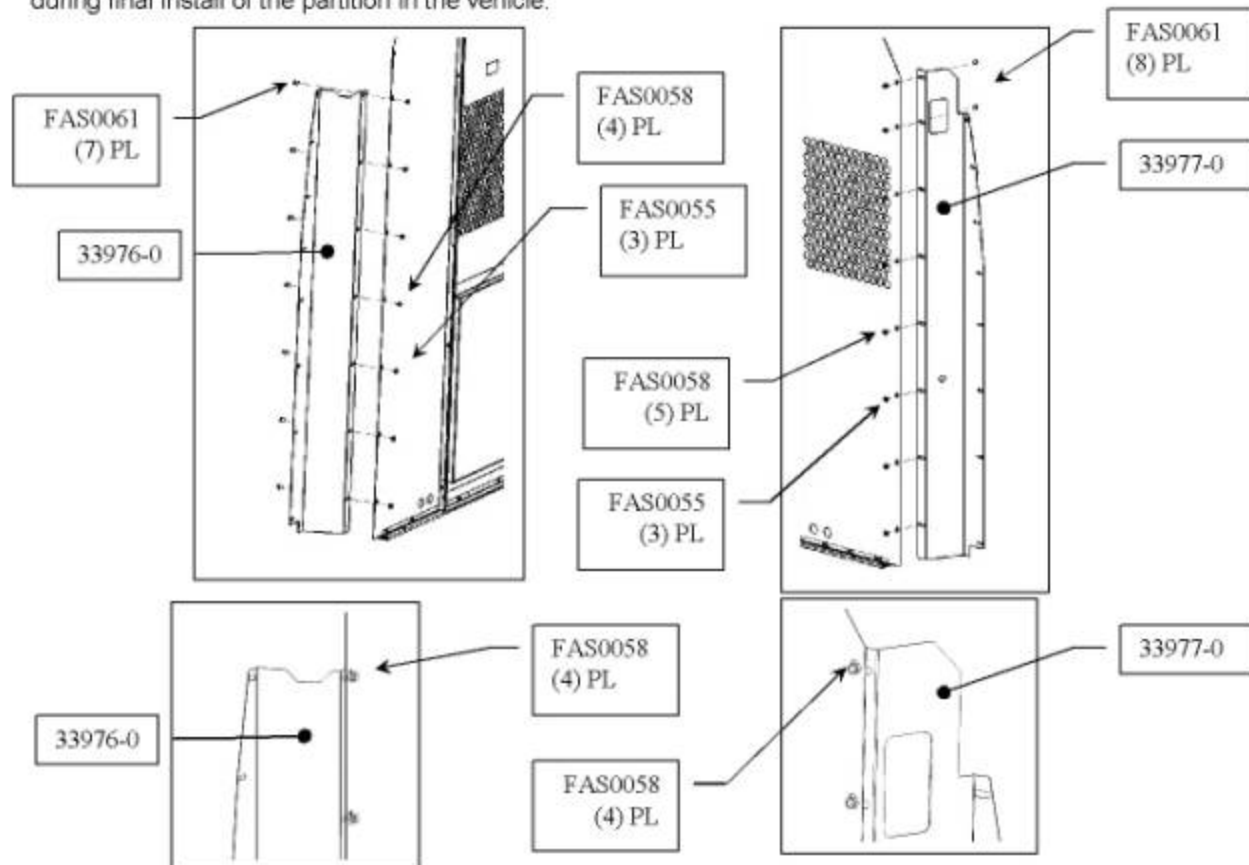


You have now completed assembly of the wing panels for the 2007 Sprinter Standard Roof "S-M-C" Partition. Proceed to Step 07 on Page 12 to install the partition into your Sprinter Van.

**STEP – 06****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 6 req'd (8) FT-LBS Torque	FAS0058 Nut, Nylon Locking, 1/4-20UNC 9 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. Please note that the top (4) wing panel holes are secured with (4) nylon locking hex nuts while the remaining (3) bottom holes are secured with (3) hex flange head nuts. 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.



STEP - 07

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

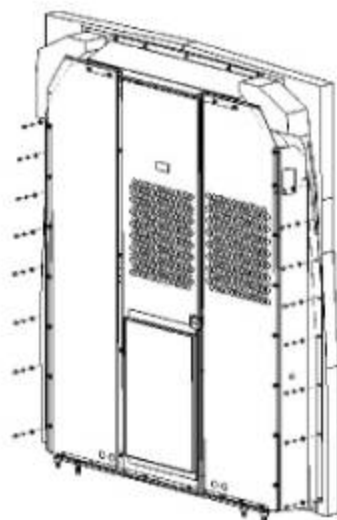
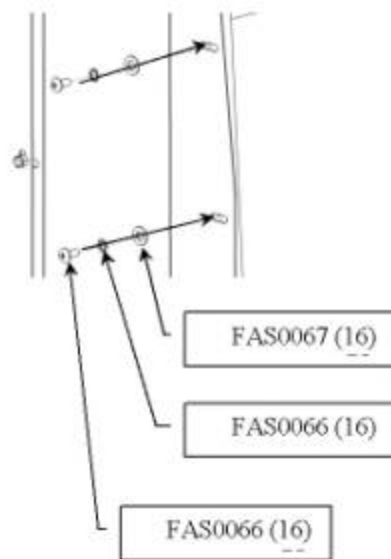
WITH DOOR

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

**STEP - 08****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****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!**