

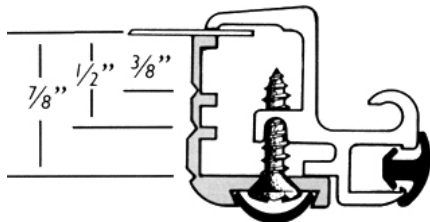
INSTALLATION SPECIFICATIONS AND INFORMATION

2009 MODEL YEAR

Proper Location of Sunroof

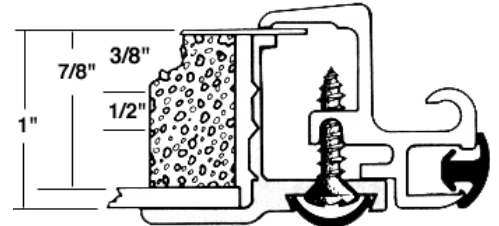
NOTE: These specifications are intended to be guidelines only. Car manufacturers may change specifications without notice. Determine the front to back position of the sunroof by placing the template inside the vehicle and determining the best possible position on the headliner. Transfer this position to the outside roof skin by dimpling the roof with an awl poked through the template at least 4 inches within the cut out area. Establish the vehicle centerline by measuring side to side on the vehicle and dividing by two. Center the template on this line using the dimple to establish the front to back position. The depth measurements given in this guide are from where the windshield meets the interior trim at the inside center of the vehicle.

SFC and CRL do not accept responsibility for any sunroof location. Shaded areas reflect a general recommendation. It is the installer's responsibility to check and verify each application before beginning the installation.



T5 Universal Trim Ring

All Measurements Are Taken From The Interior And Are Shown With An Accuracy of +/- 1 Inch



T6 Molded Trim Ring

Interior Trim Ring Selection

The selection of the proper trim ring reflects an installer's choice, technique and ability. The T5 and T6 trim rings are universal, and can be adapted to a variety of headliner thickness. Adapting the ring to the desired configuration is shown on the installation instructions provided with the sunroof. The objective is to create a stack dimension, which will firmly squeeze the sealant, steel roof top, shim and headliner together (Approx. 7/8 Inch). If a trim ring other than the one pre-assembled to your sunroof is used, be sure to pre-assemble this new ring to the frame for easier installation.

Revised November 30, 2009

NOTE	EXPLANATION OF NOTES
B	A roof bow must be moved, removed or modified in order to properly place the sunroof. The portion of the bow at the edge of the sunroof installation must be trimmed to allow a one-inch space between the edge of the sunroof and the cut end of the bow. This allows for proper shimming and a better finished product.
Consoles	Many vehicles, especially with higher trim level options, have overhead consoles. Modifications to this console may be required to install sunroofs in these vehicles. SFC Sunroofs does not provide exact specifications for this modification. Each vehicle may require a customized installation.
D	It is necessary to move the domelight. In most cases, you may reuse the original mounting bow or a section of it. Make sure that this mounting bow is grounded if it had been used as a ground in its original installation. Always remove the domelight fuse before cutting to prevent an electrical short.
Δ	This sunroof will fit in the vehicle listed. It will require expert installation and placement to assure a proper fit. Because of the intricacies of this installation, a setback measurement or notes may not be given.
Ds	A double steel roof is indicated by this symbol. Be aware of this factor when cutting the vehicle's roof and when determining the trim ring that you use.
F	A Newport 1828 (non Dual Contour) sunroof is recommended for this application. This version of the NP1828 is not dual contoured, and fits better in vehicles with flatter roofs.
W	This note recommends a wrapped headliner installation. This may allow a closer fit to the side rails or the header of the vehicle, and will give any vehicle an OEM appearance.

2009 Sunroof Application Guide

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Further information is available in our Instructions and Troubleshooting Guide.

2009	1530	1735	1432	1528	1636	1732	1828	ES100	ES300 ES500	2032	2238	Comment
MAKE/MODEL	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	
ACURA	All Inspected Vehicles Have Factory Installed Sunroofs											
AUDI	All Inspected Vehicles Have Factory Installed Sunroofs											
TT Coupe							12					
BMW	All Inspected Vehicles Have Factory Installed Sunroofs											
BUICK												
Enclave	13		13	13		13	13	15	15	13		
LaCrosse	12,B,		12,B	12,B		12,B	12,B	14,B	14,B	12,B		
Lucerne	15		15	15		15	15	16	16	15		
CADILLAC	All Inspected Vehicles Have Factory Installed Sunroofs											
CHEVROLET												
Avalanche			17,B	17,B	17,B							Console
Aveo	11		11	11		11	11	13,B	13,B	11		
Camaro	Not available during inspection											
Cobalt	11,B		11,B	11,B		11,B	11,B	13,B	13,B	11,B		
Colorado Std. Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B				
Colorado Ext. Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
Colorado Crew Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
Equinox	12		12	12		12	12	12	16,D,B	17,D,B		
Express Van					Δ							Flatten ribs
Impala	12,B		12,B	12,B		12,B	12,B,F	14,B	14,B	12,B		
HHR	12		12	12		12	12	12	12	12		
Malibu	14,D,B		15,D,B	14,B		14,D,B	14,D,B	14,D,B	14,D,B	14,D,B		
Silverado Crew Cab	12B		12B	12B	12							Console, ribbed roof
Silverado Extended	12B		12,B	12,B	11,B	11,B		11,B	10,B	10,B		Console
Silverado Standard	12B		12,B	12,B	11,B	11,B		11,D,B	10,D,B	10,D,B		Console
Suburban	10,B	10,B	10,B	10,B	10,B	10,B		9,B	8,B	8,B		Console
Tahoe	10,B	10,B	10,B	10,B	10,B	10,B		9,B	8,B	8,B		Console
Trailblazer	14,B,W		14,B,W	14,B,W		14,B,W	14,B,W	14,B,W	14,B,	14,B,W		Console
Traverse	Not available during inspection											
Uplander	Not recommended											
	Console front to rear											
CHRYSLER												
Aspen	16		16			16	16	17	17			
300	15,B		15,B	15,B		15,B	15,B	16,B	16,B	15,B		
PT Cruiser	12		12	12		12	12	11	11	12		
Pacifica & Limited	15,B		15,B	15,B		15,B	15,B			15,B		
Sebring	14		14	14		14	14			14		
Town & Country,												Console front to rear
RT Hemi	16		16	16	16	16	16	17	17	16		
Gem Specialty Veh.	Stamp											
DODGE												
Avenger	14		14	14		14	14			14		
Caliber	16		16	16		16	16,B	16,B	16,B	15,B		
Challenger	15, W		15,B,W	15,B,W		15,B,W	15,B,W			15,B,W		
Charger	16		16	16	16	16	16	18	18	16		
Grand Caravan	19		19	19		20	20	19	19			
Dakota Pickup Ext Cab			13									Ribbed Roof, Console
Dakota Pickup Quad	No sunroof recommended											
Dakota Pickup Std Cab			13									Ribs, console
Durango	17,D		17,D		17,D,	17,D				17,D		No genesis, console
Journey	17 W		17 W			17 W						
Nitro	16		16	16		16	16	18	18	16,B,D		
Ram Pickup Quad Cab	14.5,Ds		14.5,Ds	14.5,Ds	14.5,D							Console
Ram Pickup Standard	14.5,Ds		14.5,Ds	14.5,Ds	14.5,D							
Sprinter Van Low Top												Check
FORD												
Crown Victoria						13,D,B	12,D,B	14,D,B	14,D,B	12,D,B		
Edge	15,B		15,B			15,B	15,B	17,B	17,B	15,B		
Econoline Van			10,D	10,D	10,D							Fill roof ridges
Escape	12,B		12	12		12,B	12,B	13,D,B	13,D,B	15,D,B		Console
Explorer	Not Recommended											
	Console Frt. To Aft.											
Explorer Sport Trac	20,B		20			20,B	20,B	20,D,B	20,D,B	20,D,B		Ribs, console

D=Move Domelight
Δ=Difficult Installation (Tight Fit)

B=Roof Bow

Ds=Double Steel Roof

W=Wrapped Install Recommended

F=Single Contour 1828 Only

2009	1530	1735	1432	1528	1636	1732	1828	ES100	ES300 ES500	2032	2238	Comment
MAKE/MODEL	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	
FORD (Cont..)												
F-150 Ext. Cab	13	13	13	13	13	13	13	13	13	13		Ribs, console
F-150 Std. Cab	13	13	13	13	13	13	13	13	13	13		Ribs, console
F-150 Supercrew	13	13	13	13	13	13	13	13	13	13		Ribs, console
Focus				17			17					Long console
Flex	16		16	16		16	16	18	18	16		
Fusion							13,D,B					
Mustang	8,B		8,B	8,B		9, B	9,D,B	10,D,B	10,D,B	9,D,B		
Ranger Ext. Cab	8,B		9,B	9,B		7,B	11,D,B,	9,D,B	9,D,B	9,D,B		
Ranger Std. Cab	9,B		9,B	9,B		8,B		10,B				
Superduty Pickup		13,D	13		13,D							Ribs, Console
Transit Connect Low			9			9						
GMC												
Acadia	12		12	12	12	12	12	14	14	12		
Envoy	14,B,W		14,B,W	14,B,W		14,B,W	14,B,W	14,B,W	14,B,	14,B,W		Console
Canyon Std. Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B				
Canyon Ext. Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
Canyon Crew Cab	13,D,B		14,D,B	13D,B		13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
Savana Van					Δ							Flatten ribs
Sierra Crew Cab	12B		12B	12B	12							Console, ribbed roof
Sierra Extended Cab	12B		12,B	12,B	11,B							Console
Sierra Standard Cab	12B		12,B	12,B	11,B							Console
Yukon	15,B	15,B	15,B	15,B	15,B							Console
HONDA												
Accord Coupe & Sedan	15,DB		16,D,B	15,D,B		13,D,B	13,D,B	13,D,B	13,D,B	13,D,B		
Civic 2 Dr, 3 Dr	11,B		11,B	10,B		9,B	11,D,B	11,D,B	11,D,B	11,D,B		
Civic 4 Dr	10,B		10,B	10,B		13,D,B	12,D,B	12,D,B	12,D,B	10,D,B		
CR-V	11,B		11,B	11,B		11,B	11,B	12,D,B	12,D,B	11,D,B		
Element							16					Ribbed roof, console
Fit	11		11	11,D,B		12,D,B	11,D,B	13,D,B	13,D,B	11,D,B		
Odyssey	13,B		13,B	13,B		13,B	13,B	15,B	15,B	13,B		Console
Pilot	11,B	11,B	11,B	11,B	11,B	13,B	13,B	11,B	11,B			
Ridgeline	13	13	13	13	13	13	13	15	15	13		
HUMMER												
H2		18			13						18	
H3		13			13							
HYUNDAI												
Azera	15		15	15		15,D,B	15,D,B	16D,B	16D,B	15D,B		
Accent GLS	12,D,B			12,D,B			10,D,B					
Accent GT	12,D,B		13,D,B	12,D,B		11,D,B	10,D,B	10,D,B	10,D,B	10,D,B		
Elantra GLS & GT	12		12	12		12	15,D,B	14,D,B	14,D,B	13,D,B		
Entourage	No sunroof recommended										Console	
Genesis	All Inspected Vehicles Have Factory Installed Sunroofs											
Santa Fe	12		12	12		12	12	15,B	15,B	12,B		Ribbed roof
Sonata	15,B,D		14,B	15,B,D		14,B,D	14,B,D	14,D,B	15,D,B	14,D,B		
Tucson	13		13	13		13	17,D,B	16,D,B	15,D,B	16,D,B		
Veracruz	15,B		15,B	15,B		15,B	15,B	15,B	15,B	15,B		
INFINITI												
All Inspected Vehicles Have Factory Installed Sunroofs												
ISUZU												
Ascender	16,B,W		16,B,W	16,B,W								Console
I-280	11		11			13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
I-380	11		11			13,D,B	13,D,B	13,D,B	14,D,B	14,D,B		
JEEP												
Commander & Hemi	17		17	17	17	17	17			17		Roof Stamping, Flatten
Compass	16,B,D		16,B,D	16,B,D		16,B,D	16,B,D			16,B,D		
Grand Cherokee			16,B			16,B		16,B	16,B	16,B		Flatten ribs in rear
Laredo			16									Heavy Brace at B Pillar
Liberty	16,B		16,B	16,B		16,B	16,B,F	18,B	18,B	16,B		Console
Patriot	16		16	16		16	16	18,B	18,B	16,B,D		Rib
Rubicon	8		8	8	8	8	8			8		Fiberglass top/Ribs
Wrangler	6	6	6	6	6	6	6	6	6	6	6	Ribs, fiberglass
KIA												
Amanti	14		14	14		14	14	14	14	14		
Borrego	15		15	15		15	15	19D,B	19 D,B	19 D,B		Ribbed Roof
Optima	15,D,B		15,D,B	14,D,B		14,D,B	14,D,B	16,D,B	16,D,B	14,D,B		
Rio Sedan	12,D,B		14,D,B	12,D,B		12,D,B	12,D,B	14,D,B	14,D,B	12,D,B		
Rio Cinco	14,D,B		14,D,B	14,D,B		14,D,B	14,D,B	14,D,B	14,D,B	14,D,B		

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3
packages

Console=Console Modification Required w/some trim

2009	1530	1735	1432	1528	1636	1732	1828	ES100	ES300 ES500	2032	2238	Comment
MAKE/MODEL	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	
KIA.. Cont...												
Rondo	14		14	14		14	14	16,D,B	16,D,B	14		
Sedona	14		14,B	14,B		14,B	14,B	14,B	14,B	14,B		Console
Sorento	14		14	14		14,B	14,B	15,D,B	15,D,B	14,B		Console
Soul	13		13	13		18 D,B	17 D,B			13 D,B		
Spectra	13,D,B		13,D,B	13,D,B		13,D,B	14,D,B					
Spectra 5							12					
Sportage	14		14	14		14,B	14,B	15,D,B	15,D,B	14,B		
LAND ROVER												
Sport HS6			All Inspected Vehicles Have Factory Installed Sunroofs									
Range Rover			All Inspected Vehicles Have Factory Installed Sunroofs									
LEXUS			All Inspected Vehicles Have Factory Installed Sunroofs									
LINCOLN												
MKS			All Inspected Vehicles Have Factory Installed Sunroofs									
MKX	14,B		14,B	14,B		14,B	14,B	14,B	14,B	14,B		Ribbed Roof
MKZ	11,B		11,B	11,B		11,B	11,B			11,B		
Navigator& L	11,B		11,B	11,B	11,B	13,D,B	12,D,B	13,D,B	13,D,B	11,D,B		
MAZDA												
CX7							14					
CX9	14		14	14		14	14	15	15	14		
Mazda 3 4 Door	11		11	11		11	11	10	10	11		
Mazda 3 5 Door	11		11	11		11	11	10	10	11		
Mazda 5	12,B		12,B	12,B		12,B	12,B	12,B		12,B		
Mazda 5 Wagon	14,B		14,B	14,B		14,B	14,B	14,B	14,B	14,B		
Mazda 6 Sedan	14,B		14,B	14,B		14,B	14,B	14,B	14,B	14,B		
MX-5 Miata	8		8									Optional fiberglass top
Pickup Extended Cab	8,B		9,B	9,B	7,B	7,B	11,D,B	9,D,B	9,D,B	9,D,B		
Pickup Standard Cab	9,B		9,B	9,B	8,B	8,B						
RX-8							14					
Tribute	12,B		12	12		12,B	12,B	13,D,B	13,D,B	15,D,B		Console
MERCEDES BENZ			All Inspected Vehicles Have Factory Installed Sunroofs									
MERCURY												
Grand Marquis		15,B			15,B	15,B	15,B	15,B	15,B	15,B		
Mariner	11		11	11		11	11	11	11	11		
Milan	13		13	13		13	13	15	15	13		
Mountaineer			15	15		15						Ribs, console
Sable	13		13	13		13	13	15,B		13		
MINI												
Cooper				15			15,F	15				
Clubman				15			15,F	15				
MITSUBISHI												
Eclipse	11		11	11		11	11	13	13	11		
Endeavor	15		15	15	15	15	15	16	16	15		
Galant	12		12	12		12	12	17,D,B	17,D,B	12		Heavy brace
Lancer	11		11	11		14,D,B	13,D,B	11,D,B	11,D,B	11,D,B		
Outlander	11		11	12		10	11	13	13	12		
Raider			13									Sculptured headliner
NISSAN												
Altima Sedan & Coupe	16,B		16,B	16,B		16,,B	16,B	16,B	16,B	16,B		
Armada	14	14	14	14	14	14						Console
Frontier Crew Cab	14, B		14, B	14, B	14, B	14, B	14, B	14, B	14, B	14, B		
Frontier Ext. Cab	14, B		14, B	14, B	14, B	14, B	14, B	14, B	14, B	14, B		
Frontier Std. Cab	14, B		14, B	14, B	14, B	14, B	14, B					
Maxima	15		15	15		17,D,B	16,D,B	16,D,B	16,D,B	15,D,B		
Murano	15	15	15	15		15	15	15	15	15		
Pathfinder	15,B		15,B	15,B		15,B						
Quest	16		16	16	16	16	16	17		16		
Rogue	15		15	15		16D,B	16D,B			16D,B		
Sentra	12		12	12		12,D,B	12,D,B	13,D,B		12,D,B		
Titan	14	14	14	14	14	14						Console
Versa Sedan	14		14	14		14	14			14		
Versa Wagon	13		13	13		13	13	15,D,B	15,D,B	15,D,B		
X-Terra			Not Recommended									Roof Cage
Z350			13									
PONTIAC												
G3	12		12	12		12	12			12		
G5				12,D,B			12,D,B			12,D,B		

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MAKE/MODEL	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	Depth,Notes	
Pontiac. Cont...												
G6 Sedan	14,D,B		14,D,B	14,D,B		14,D,B	14,D,B	15,DB	15,D,B	14,D,B		
G6 Coupe & XP	13		13	13		13	13	15,D,B	15,D,B	13		
G8	Not Recommended											
Torrent	13		13	13		13	13	15,DB	15,D,B	14,D,B		
Vibe	18,D,B		18,D,B	18,D,B		18,D,B	18,D,B	18,D,B	18,D,B	18,D,B		
SAAB	All Inspected Vehicles Have Factory Installed Sunroofs											
SATURN												
Astra	16, W		16, W	16, W		16, W	16, W	16, W	16, W	16, W		
Aura	15,D,B		16,D,B	15,D,B		14,D,B	13,D,B	13,D,B	13,D,B	13,D,B		
Outlook	14,B		14,B	14,B		13,B	13,B	13,B	13,B	13,B		
Vue	15,B		15,B	15,B		15,B	15,B	17,B	17,B	15,B		Ribbed roof
SMART												
Passion & Pure							Stamp			Stamp		Dual Contour Roof
SUBARU												
Forester							15,D,B,					Roof rack, heavy brace
Impreza	15		15	12		12	12,D,B	12,D,B	12,D,B	12,D,B		
Impreza 5 Door	13,D,B		14,D,B	13,D,B		13,D,B	11,D,B	13,D,B	13,D,B	11,D,B		Roof rack
Impreza WRX	9,B		9,B	9,B		12,D,B	11,D,B	11,D,B	11,D,B	9,D,B		
Legacy Sedan	11		11	11		11	11	12	12	11		
Outback Wagon	16,D,B		17,D,B	15,D,B		15,D,B	15,D,B	15,D,B	15,D,B	15,D,B		
Tribeca	14		14	14		14,D,B	14,D,B	16D,B	16,D,D	14,D,B		
SCION												
T C	13		13	13,B		13,B	13,B	14,B	14,B	13,B		
X B	18,D,B		18,D,B	18,D,B		18,D,B	18,D,B	18,D,B	18,D,B	18,D,B		
X D							12,D,B					Console
SUZUKI												
Equator Crew Cab	14		14	14	14	14	14	14	14	14		
Grand Vitara	11		11	11		11	11,F	15,D,B	15,D,B	15,D,B		Ribbed roof
XL-7	18,D,B		18,D,B	18,D,B		18,D,B						Ribbed roof
SX4	11,D,B		11,D,B0	14,D,B		14,D,B	14,D,B			11,D,B		
SX4 Sedan	11,D,B		11,D,B0	14,D,B		14,D,B	14,D,B			11,D,B		
TOYOTA												
4-Runner	14		14	14	14	14	14	11	16	16		Large step on headliner
Avalon	All Inspected Vehicles Have Factory Installed Sunroofs											
Camry	13,D,B		13,D,B	13,D,B		13,D,B	13,D,B	14,D,B	14,D,B	13,D,B		
Corolla	12,D,B		12,B	12,D,B		12,D,B		12,D,B	12,D,B	12,D,B		
FJ Cruiser	12	12	12		12	12		14	14	14	12	Small Roof Ribs
Highlander	16		16	16	16	16,D,B	16,D,B	16,D,B	16,D,B	16,D,B		
Land Cruiser	All Inspected Vehicles Have Factory Installed Sunroofs & Consoles											
Matrix	14,B		14,B	14,B		14,B	14,B	14,B	14,B	14,B		
Prius	14		14	14		14,B						
RAV4	13,B		13,B	13,B		13,B	13,B	13,B	13,B	13,B		
Sequoia	12		12	12	12	12	12	12	12	12		Console
Sienna	14,B	14,B	14,B	14,B		14,B						
Tacoma 4 Dr	18,D,B		18,D,B	18,D,B		18,D,B	18,D,B	18,D,B	18,D,B	18,D,B		
Tacoma Ext.	18,D,B		18,D,B	18,D,B		18,D,B	18,D,B	18,D,B	18,D,B	18,D,B		
Tacoma Std. Cab	18,D,B		18,D,B	18,D,B		18,D,B						
Tundra	16	16	16	16	16	16	16	16	16	16		
Yaris 3 Door	12,D,B		12,D,B	11,D,B		11,D,B	12,D,B	12,D,B	11,D,B			
Yaris 4 Door	12,D,B		12,D,B	11,D,B		11,D,B	12,D,B	12,D,B	11,D,B			
Venza	14,B		14,B			14,B	14,B					
VOLKSWAGEN												
Beetle							16					Dual Contour Only
GTI MKV	16		16	16		16	16	18	18	16		
Jetta & Wagon	16,B		16,B	16,B		16,B	18,B,F					
Passat	16,B		16,B	16,B		16,B	16,B	18,B	18,B	16,B		
Passat Wagon	12		12	12		12,D,B	12,D,B					
R32	16		16	16		16	16	16	16	16		
Rabbit	16		16	16		16	16	16	16	16		Not Available
Routan SEL	15		15	15		15	15	15	15	15		
Routan SE	Not Recommended											
Tiguan	16		16	16		16	16	18	18	16		
Touareg			14									Console
VR6												Not available
VOLVO	All Inspected Vehicles Have Factory Installed Sunroofs											
C30	16		16				16					

D=Move Domelight
 Δ=Difficult Installation (Tight Fit)

B=Roof Bow

Ds=Double Steel Roof

W=Wrapped Install Recommended

F=Single Contour 1828 Only

D=Move Domelight
Δ=Difficult Installation (Tight Fit)

B=Roof Bow

Ds=Double Steel Roof

W=Wrapped Install Recommended

F=Single Contour 1828 Only

Console=Console Modification Required w/some trim