

Illuminated Doors sills for the Porsche

PI004

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Purpose	To provide instructions for the illuminated doors sills installation for the Tacoma
Scope	This procedure applies to installation of the Tacoma illuminated doors sills.









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Safety

- Care must be taken when handling the sharp items listed below such as the razor blades, cutters, sharp objects, and soldering irons.

Visual Icons

Symbol	Definition	Description
	Inspect/Verify	 The magnifying glass is used for inspection or verification to take place.
	Work Content	 The hammer is used to identify a process step where building of the product takes place.
	Safety Warning	 The yellow hazard triangle is used to identify process steps that involve potential safety hazards.
	Safety Action	 The red stop sign is used to identify process steps where a safety action must be performed before proceeding with the next operation.

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Consumables and Equipment List






Consumables	Equipment
Alcohol 70%	Heat Gun
Adhesive Remover	Pliers
Rags	Wire Cutters
Scrub Pads	5mm Allen Key
Electrical Tape	Torx T15
WD-40 / Screw Loose	Solder Iron
Solder	Multimeter
Barrell Connector	Crimper
Painter Tape	Plastic Pry Bar



Procedure Detail

1. Removal of Original Door Sills

Video reference: <https://www.youtube.com/watch?v=Aeb4mr0oOIg&t=976s>

Step	Instruction	Visual Aid (for reference only)
1.	<p>↑ Locate the hex bolt cover on the driver side and pop these out with a plastic pry bar.</p> 	
2.	<p>↑ Use a 5mm Hex/Allen Key to loosen bolt about 5 turns, the bolt does not need be remove.</p> <p><i>Tips: Short allen key is best suited to remove the bolt.</i></p>	

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Step	Instruction	Visual Aid (for reference only)
		
<p>3.</p>	<p>↑ Use plastic pry tool to pop off driver side sill plastic cover. And pull the weather strip off the trim to start the original door sill removal process.</p> <p>⛔ be careful not to pull up too hard, to avoid damaging cable attach to cover.</p>	
<p>4.</p>	<p>↑ Add painter tape for paint protection from additional scratches during the process of prying off the original plastic door sill.</p> <p>***Note the original sill adhesive is super heavy duty and may require the breaking of the original door sill***</p>	
<p>5.</p>	<p>↑ Use industrial grade adhesive removal similar to the below and a plastic blade tool to remove residual adhesive from original sill until results are satisfy. Finally clean the area with isopropyl alcohol.</p>	

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Step	Instruction	Visual Aid (for reference only)
		
6.	<p>↑ Locate the passenger door sill pocket and remove rubber protection to uncover bolt.</p>	
7.	<p>↑ Use a torx T15 to remove the bolt and use a plastic pry tool to remove the door sill cover.</p>	
8.	<p>↑ Start pulling the weather strip up to clear the area to pry the original passenger door sill. Place painter tape to protect paint and use pry tool.</p> <p>***Note the original sill adhesive is super heavy duty and may require the breaking of the original door sill***</p>	

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Step	Instruction	Visual Aid (for reference only)
9.	<p>↑ Use industrial grade adhesive and a plastic blade tool to remove residual adhesive from original sill until results are satisfy. Finally clean the area with isopropyl alcohol.</p>	

2. Placement of New Door Sill & Wire Routing

Step	Instruction	Visual Aid (for reference only)
1.	<p>🔍 Verify location of new door sill and orient the position so that wire is tuck underneath the weather strip of the door.</p> <p>↑ Once placement of new door sill is satisfied, peel back the bottom side of the adhesive tape about 2 inch towards you and place new sill in position and then pull the rest of the adhesive tape and press firmly downward to activate adhesion of the door sill to the vehicle.</p> <p>🛑 Do not remove door sill protective film on stainless steel until installation is complete.</p>	

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Step	Instruction	Visual Aid (for reference only)
		
2.	<p>↑ Repeat process of new door sill placement on passenger side.</p>	
3.	<p>↑ Route the cable under the weather strip. Next route the driver side and passenger new door sills wire through the kick panel.</p> <p>⛔ Do not aggressively pull the wire from the PCB circuit, this could damage the connection.</p>	

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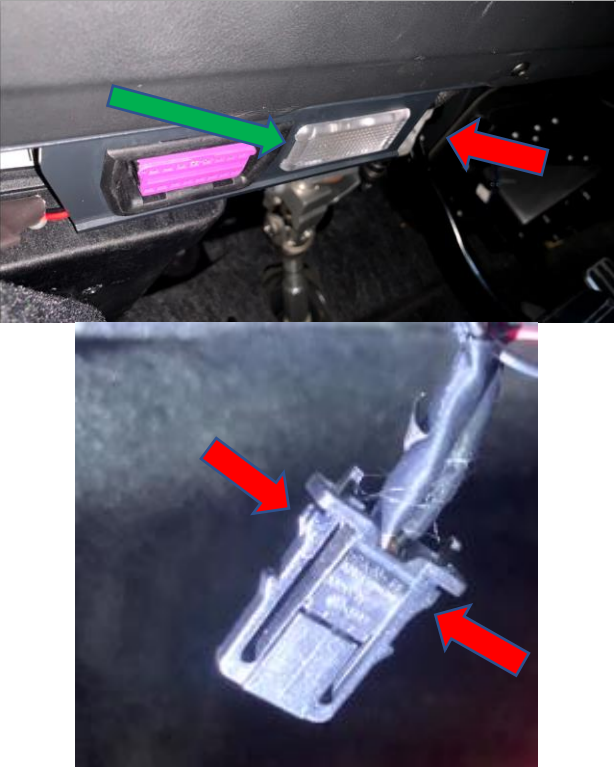
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Step	Instruction	Visual Aid (for reference only)
		
4.	<p>↑ Locate the driver side foot well light, and squeeze both tab to remove connector.</p> <p><i>Tips: use plastic tool to pop foot well light from the left side for an easier removal of the foot well light circuit.</i></p>	

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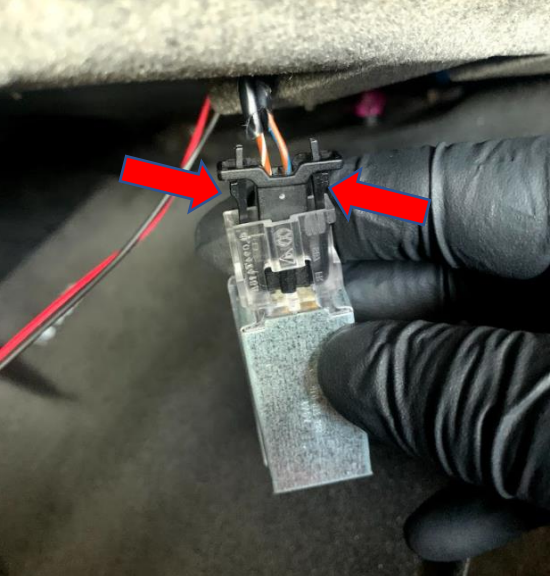
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Step	Instruction	Visual Aid (for reference only)
5.	<p>↑ Passenger side foot well light removal and power source connector remove.</p> <p><i>Tip: For more access room, remove plastic grommet with a slotted screwdriver.</i></p>  	 

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Step	Instruction	Visual Aid (for reference only)
6.	<p>↑ Use a voltmeter to confirm the +12vdc. Typically it's the brown with blue wire is the positive 12 voltage dc. The brown and white is a negative. Connect the red wire from the sill to the positive 12 voltage and the black wire to the negative/ground wire.</p> <p><i>Tip: use solder connection for a solid connection.</i></p> <p>↑ Insulate connection and finish placing the footwell light back in original place.</p>	
7.	<p>🔍 Verify that door sills illuminate with the door opening trigger switch.</p>	
8.	<p>↑ Re-assemble all weather strip, panels, screws and bolt back into place once results of door sills illumination is satisfied</p>	

Professional Installation is highly recommended.