

Thank you for purchasing the **SmartStopStart** module!

Please read this important information and keep this document with your vehicle owner's manual.

Installation Instructions for 2018-20 Jeep Grand Cherokee Laredo, Upland & Altitude and 2018-20 Dodge Durango SXT & SXT Plus

Note: These instructions require a small amount of vehicle interior disassembly. Do not proceed unless you fully accept any risk of damage to your vehicle. It is recommended that the temperature be at least 50° F when this work is performed so that the plastic parts are sufficiently flexible.

1. The ignition should be off. Open the driver door and locate the trim panel on the driver's side of the dashboard.



2. With your fingers, pull the weatherstrip away from the door only in the area of this trim panel. The weatherstrip will release when you pull it straight out toward the front of the dashboard.



3. Obtain a medium size flat-blade screwdriver and cover both sides of the blade with a folded over strip of duct tape about 6" long as shown.



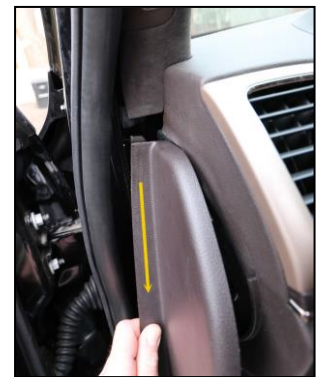
4. Note from this picture of a cover already removed that there are 5 friction-fit trim clips behind the cover that hold it in place. These will need to be released in Step 5.



5. Insert the flat blade screwdriver in the seam at the center front of the trim piece ('1' in photo) and pry outward until it the center clip releases with a click. Then release lower and upper middle clips ('2' and '3'). Lastly release the lower and upper clips ('4' and '5'). Do not attempt to remove the panel yet.



6. Pull the loose panel down to release the A-pillar trim upper catch and then remove the panel.



7. Place your fingers behind the headlight control panel and push the lower end out ('1' in photo) while pressing the spring clip upwards under the center bottom of the rear of headlight control panel enclosure.

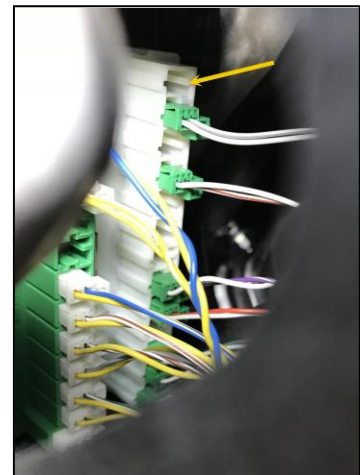


Then push the upper end out ('2' in photo) while pressing at least one of the two spring clips downward on top of the rear of the headlight control panel enclosure until the headlight control panel assembly is released.



Do not unplug the headlight control panel.

8. Locate the uppermost white socket on the white connector block inside the now open end of the dashboard. This is where the green plug from the SmartStopStart cable will plug-in in Step 9.



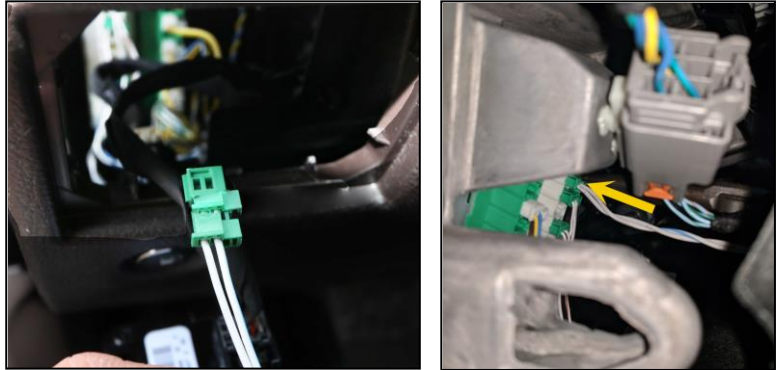
9. Hold the green plug from the SmartStopStart cable in front of the headlamp panel opening as shown.

Then insert the green connector in the uppermost white connector slot.

You may need to use your right hand fingers to guide from the front headlight panel opening and your left hand fingers to guide from the side of the dashboard opening. Make sure to fully insert the connector until you hear a positive click.

(Note: If you have trouble reaching the white socket with your fingers, use a pair of long nose pliers. Alternatively temporarily pry out the white 'fir-tree' clip behind the gray connector that may be in the way in some vehicles).

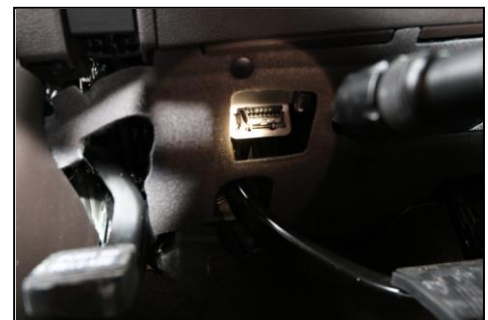
Once inserted, give the cable a light tug to make sure it is locked in place.



10. Pull the wire with the zip tie fully out from the open side of the dashboard.



11. Point a flashlight below the OBD2 diagnostic connector under the dashboard, which is just to the right of the parking brake.



12. From the opening on the left side of the dash, fish the end of the zip-tie out of OBD2 port opening below the dash, following the light from the flashlight.

Be patient, it may take a few moments to find your way through to the opening.

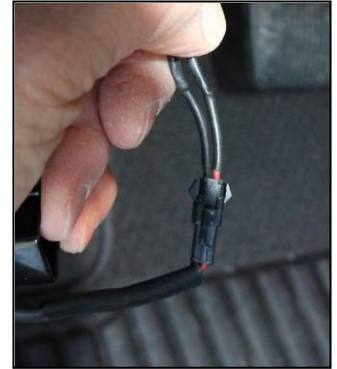
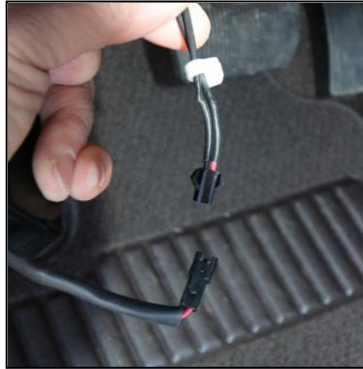
Once the zip-tie end emerges, pull the zip-tie and attached wire all the way through until the wire and black small black connector are outside of the opening.



13. Using nail clippers or scissors carefully cut off the zip-tie tail, being very careful not to damage the wires.



14. Plug the small black connector from the *SmartStopStart* module and the mating connector on the wire from step 12 together until they click. They only fit together in one orientation as shown.



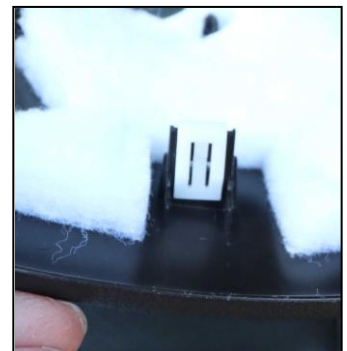
15. Push the wire out of sight in the cavity beside the OBD2 connector and plug the *SmartStopStart* module into the OBD2 port.



16. Push the headlight panel back into the dashboard until it sits flush.



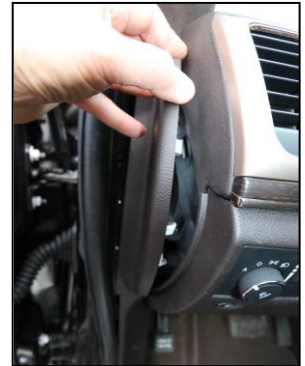
17. Make sure all five white clips on the dashboard end panel are straight and fully seated in on the panel's tabs.



18. Engage the side panel upper catch and slide the panel up.



19. Carefully align all 5 tabs and clips with their respective openings on the side of the dashboard.



20. Push the side panel back into place ensuring that all 5 clips engage.



21. Press the loose weatherstrip firmly and evenly back into place. Make sure it is fully seated and smooth with no lumps.



22. Congratulations, *SmartStopStart* is now installed! You can now set it up. It will just take a few more seconds.

23. If you want if you want the Engine Stop Start to default to OFF, start the engine and press the Automatic Engine Stop Start Disable button on the lower console, as shown in the photo on the right. The button lights when the Engine Stop Start is disabled. Press the button again at any time with the engine running to change the default to ON.



Note: There may sometimes be a flash or brief delay of the Engine Stop Start button amber light immediately after engine start before it settles into the set state.

24. **(For 2018 Model year ONLY)** If you want SPORT mode to default to ON, also press the SPORT ON mode button on the lower console. The button lights when SPORT ON mode is enabled. Press the button again at any time with the engine running to change the default to OFF.



Note: The ECO OFF button lights up when the SPORT ON mode is selected. This is normal behavior for the vehicle.

Note: There may sometimes be a flash or delay up to a minute or so of the ECO OFF and SPORT ON button amber lights immediately after engine start before it settles into the set state.

25. We recommend that you unplug the module from the OBD2 port and the small wire connector and remove it prior to bringing the vehicle in for service. **The wire with the small black connector can remain in place.** This approach allows for rapid removal and re-installation. Removing the module will avoid confusing the service technician with the changed behavior of the vehicle.

(Note: Per the Magnusson-Moss Warranty Act, a manufacturer can only deny a warranty claim when an aftermarket component is installed if the dealer or manufacturer can prove that the aftermarket component caused the fault in question. An additional reason we recommend removing the module prior to bringing the vehicle in for any service is simply to avoid any possible question ever arising from lack of knowledge of this product by the servicing dealer.)

26. The module can be reinstalled at any time if it had been removed. Always reinstall the module in with the engine off. Your previous settings are retained in non-volatile memory and restored the next time you start the engine.

Questions? Contact: steve@smartSTOPstart.com