



Preliminary Information

PIC6293H Installation Of the GM Accessory Interior Spectrum Lighting Kit

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Camaro	2016 - 2024	All	All	All	All

Involved Region or Country **North America**

Condition

Some technicians may comment that after the GM Accessory Interior Spectrum Lighting Kit (commonly referred to as the Interior Ambient Lighting Kit or the Interior Accent Lighting Kit) the lighting is inoperative. The purpose of this Preliminary Information is to provide dealership technicians some tips on installation of this kit, as well as some common areas to check if the system is inoperative after installation is completed.

The Interior Spectrum Lighting kit is a GM Accessory kit that allows color changing lighting to be installed inside the vehicle. The system is capable of producing 24 different colors. There are three different types of Lighting kits listed below that may be installed in the 6th generation (2016+) Camaros, so it is very important to know which kit is being installed.

1) Light up Accent Lighting on the door panels only





2) Footwell Lighting only



3) Light up Accent Lighting on the door panels AND Footwell Lighting

IMPORTANT: All Camaros have a light pipe around the radio display, as seen in the photo below. When installing a GM Accessory Lighting Kit on a vehicle that is NOT equipped with the factory C70 RPO, the light strip around the radio display will illuminate white, and it can not be changed or controlled. This is normal. There will not be a color changing light in this kit for the center cupholder either. The only way to get these two lights to operate in a controlled manner is to purchase the vehicle with the factory C70 RPO.

Again, the GM Accessory Interior Spectrum Lighting kit will not provide illumination for the cupholders, nor will the built-in light pipe that surrounds the radio display be able to be changed or controlled

as far as color goes. It will illuminate with a white appearance, no matter what.



Installation Tips:

The first thing that needs to be done when installing any GM Accessory kit, is to have the Parts Department contact Partech, obtain a case number, and verify that the kit being installed is the correct one for the VIN in question. Many kits look similar, but are only intended for specific options or RPOs. If the incorrect kit is installed on a vehicle, it will result in much frustration and wasted time by the technician.

Along with each of the three types of Light Kits, each kit comes in several different trim colors as well. These are currently available in silver, black, and red. In addition to that, which kit is needed depends on the radio that the vehicle is equipped with. As you can see, obtaining the correct kit PN is crucial for a smooth, trouble-free installation.

Once the correct kit has been verified through Partech, determine which of the three types of Lighting Kits you will be installing. Then, refer to SI and read through the instructions. These are broken up in sections based on which kit is being installed.

IMPORTANT: NOTE - Be sure that the correct section of the installation instructions is being followed for the type of kit that is being installed.

One question that consistently comes up during the installation of this kit, is regarding steps 25-31. On many vehicles, it may be noted that there are already wires present in the side body-to-door connectors (X500 or X600) in cavities 42 and 43. This is not a mistake or a misbuild. These wires have been inserted in these cavities on purpose. To complete the installation of this GM Accessory kit, simply remove these two existing circuits from the connector in question, tape them up, and secure them out of the way. Then, continue installing the wires from the Accessory kit as directed.

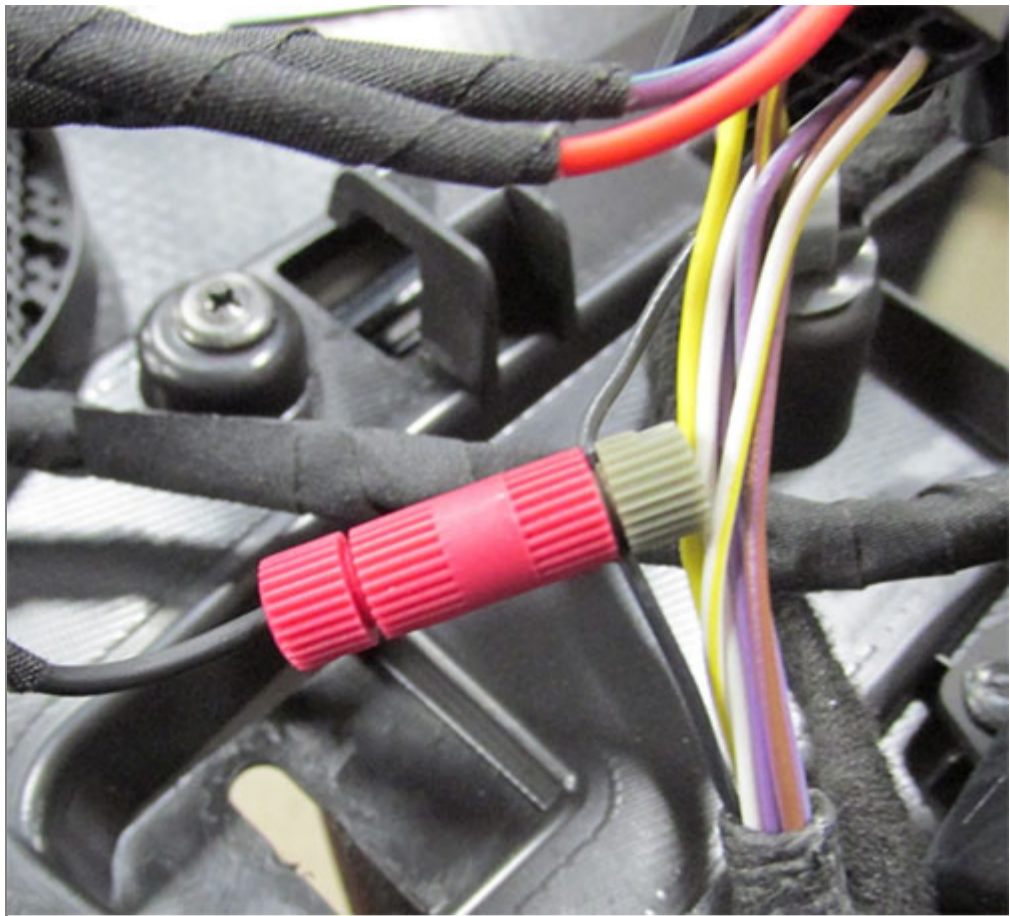
Troubleshooting Tips:

If the Lighting Kit is inoperative upon installation, the following items should be inspected:

- If the entire kit has been installed and the lighting is entirely inoperative, there are a few things to go back and check. The most common area for concern is G202, which is located at the right hand kick panel. Typically, this ground has paint on it when the kit's eyelet is installed. Just tightening the fastener does not provide a good ground path if there is still paint covering the sheet metal. The fastener will have to be removed, the paint needs to be cleaned or ground off, and the ground path verified.



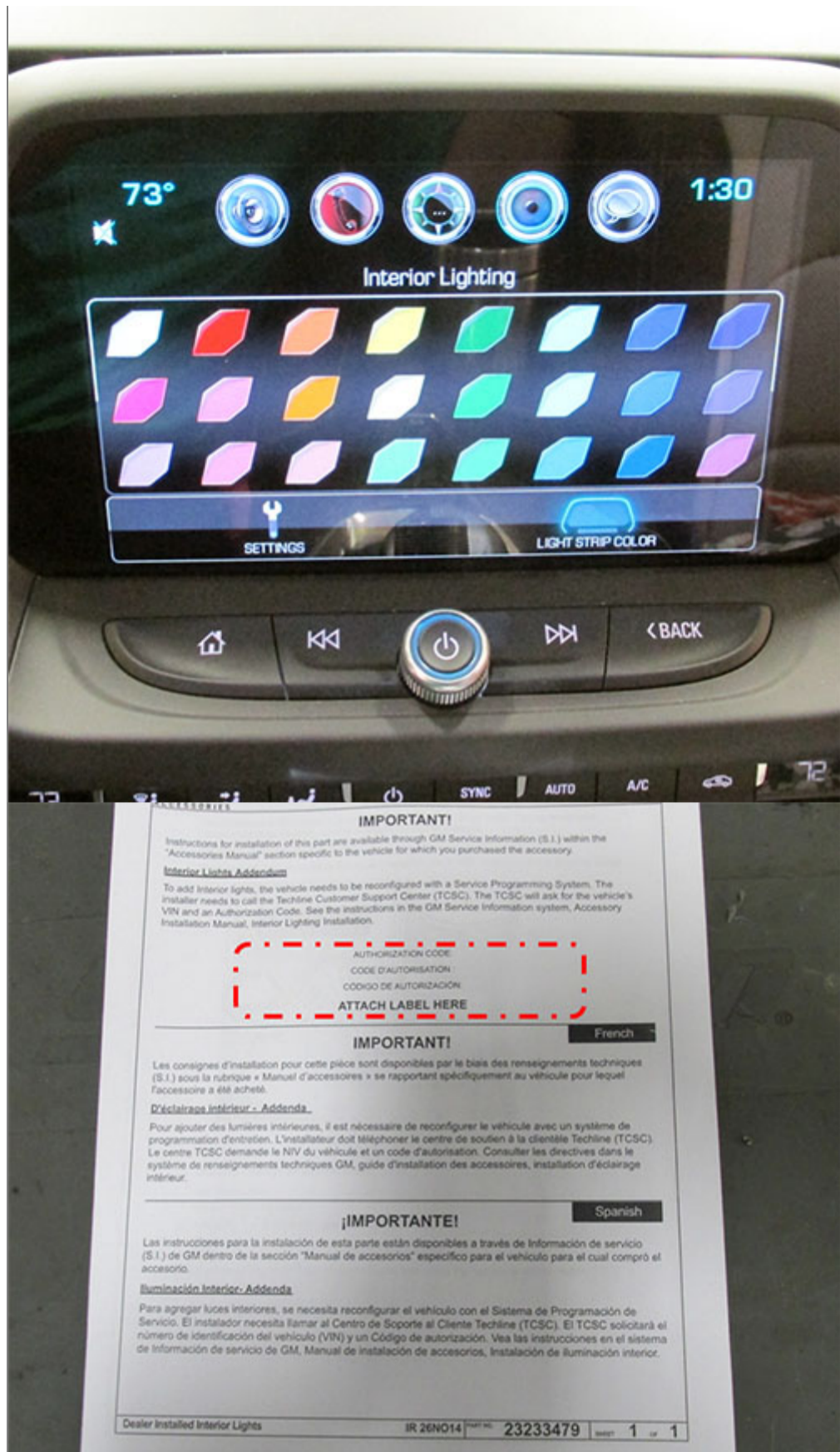
- **There are 3 circuits that are spliced or plugged into the BCM related wiring. One of the circuits in the kit has a blunt cut end and must be tapped into the dash wiring going to the BCM. The two other wires have terminals crimped on the end and they are supposed to be inserted into empty BCM connector cavities. A common installation error is to install either of these circuits into the incorrect connector cavity. Either one of these terminals can easily be installed accidentally into an adjacent BCM connector cavity.**
- **Another common issue that is seen relates to the Posi-Tap connectors used in the kit. These connectors are used to splice the accessory harness to the vehicle's wiring harness. Dealership technicians are to go back through the installation and verify that each connector is tight. If one or more of these connectors is/are loose, this will cause any number of performance issues with the kit. The connector shown in the photo below does not have tape or a zip tie covering it for clarity. Once the connector is properly installed, the instructions have the technician tape back the splice to the main harness using cloth tape. This will prevent the connector from loosening up over time.**



- If the vehicle is equipped with an "uplevel" radio (RPOs IO5, IO6, IOS, or IOT) various modules will require reprogramming through Techline. This programming allows the customer to select the various lighting colors on the radio's touchscreen, as seen in the color palette photo below. As seen in the second photo below, there will also be a sheet of paper included in the kit that has an authorization code printed on it. Once that code is provided to Techline, they will be able to assist in correctly programming the vehicle.

For the 2016 - 2018 models with the IO5 or IO6 radio, the HMI and the BCM will require SPS programming.

For the 2019+ models with the IOS or IOT radio, the radio and BCM will require SPS programming.



- Vehicles equipped with the base radio (RPO IOB or IOR) do not require any programming. That is why the color selections are not available on the radio screen. This system uses a dash-mounted switch to change the system's lighting colors. It is installed on the left hand side of the steering column. This switch can be seen in the photo below.

If a kit is being installed on a vehicle with either the IOB or the IOR base level radios, and TCSC has provided any type of a calibration for the kit, STOP, and do not proceed any further. Contact TCSC again and request all cal's be returned to OEM configuration as it relates to this kit. Under no circumstances should BCM, HMI, or radio calibrations be changed from factory cal's in regards to the installation of this Interior Spectrum Lighting kit.



Version History

Version	9
Modified	07/18/2017 - Created on 11/26/2018 - Updated Model Years 12/18/2018 - Updated Condition 05/15/2019 - Updated Condition 03/03/2020 - Updated Model Year 10/12/2020 - Updated Model Year 11/11/2021 - Updated Model Year 07/15/2022 - Updated Model Year 01/02/2024 - to add the 2024 Model Year.



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