

Common Questions on Super Cruise Operation

The Super Cruise™ system available on the 2018 Cadillac CT6 automatically steers the vehicle when driving on a limited-access freeway, allowing drivers the convenience of hands-free driving. Because this advanced technology is new, some customers may have a number of questions about how the system operates as well as all of the related Super Cruise features. Here are answers to a few common questions on Super Cruise.

If there's an obstruction on the freeway, will Super Cruise steer around it?

No. Super Cruise can't steer to avoid any objects (including vehicles, animals, pedestrians, bicyclists, potholes, debris, construction barriers or cones). It is not a crash avoidance system. It is designed to assist drivers in staying in a single lane and keep the distance drivers set between themselves and the vehicle ahead.



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Updating the Super Cruise Digital Map Module

The Digital Map Module (DMM) used in the Super Cruise system on the 2018 CT6 determines the vehicle's position and localization and communicates navigational and predictive data of the most probable path of the vehicle, providing critical information about road curvature and other characteristics to help the vehicle know where it is on the Super Cruise LiDAR-scanned map database at all times.



Digital Map Module

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Customer Care and Aftersales

Updating the Super Cruise Digital Map Module

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The database governs system use and enables Super Cruise only when the vehicle is in area where appropriate road conditions are detected. The advanced map data restricts Super Cruise use to divided, limited-access freeways with defined entry and exit ramps.

Automatic Map Updates

Super Cruise map updates are downloaded via the vehicle's Wi-Fi. Every 6 hours, the DMM will check to see if an update is available. If an over-the-air (OTA) update is available, it will be downloaded automatically to the vehicle. To ensure the most updated and accurate maps are available in the vehicle, the automatic updates cannot be rejected by the driver.

If the map database reaches seven months without an update, Super Cruise will be disabled and a message will be displayed in the Driver Information Center indicating that service is needed. Dealerships can upload the latest Super Cruise map to the vehicle using the Service Programming System (SPS) if the map age is out of date or if the DMM needs to be replaced.

TIP: The Super Cruise map update will take place even if owners do not have a retail data plan.

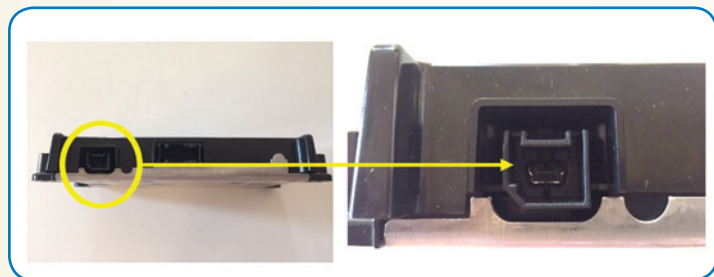
Super Cruise requires an OnStar subscription. It is critical to verify and ensure that customers have a valid OnStar subscription for Super Cruise feature availability.

Unknown connectivity issues also may cause a map download to fail. If a failure occurs, GM will be notified and, if it's determined an update is necessary for the purpose of safety, the dealership will be notified to contact the CT6 owner.

DMM Programming

The DMM map database is stored on two 8GB hard drives. The DMM is located on the right side of the trunk, below the cargo floor.

To upload the latest map using SPS, a USB programming cable with a MINI B connection is required.



DMM MINI B connection

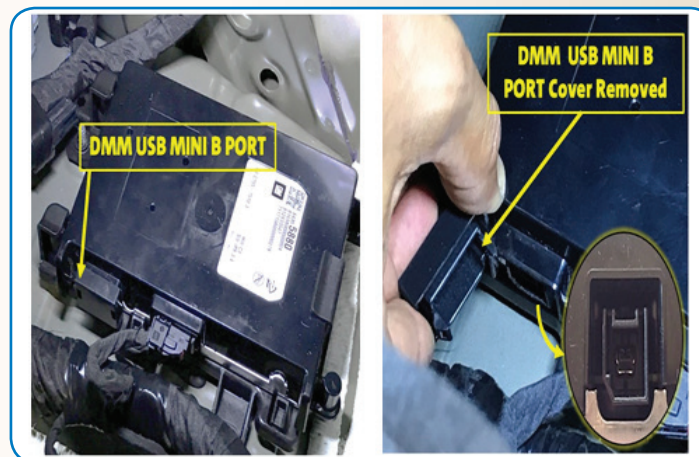
A USB cable with a MINI B connection is included in the EL-50334-6 Audio System Diagnostic Kit. Use the EL-50334-14 Infotainment Test Cable to connect to the module. A USB flash drive or memory stick is not required.

The USB MINI B port on the DMM is located behind a cover on the side of the module.



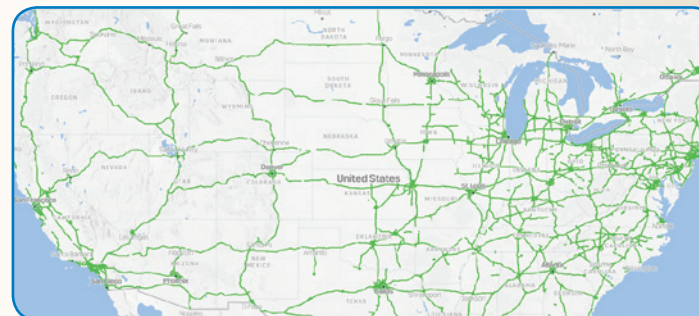
EL-50334-6 Audio System Diagnostic Kit.

Before the DMM can be programmed, verify the Clock Status and GPS Accuracy scan tool information is valid. If the displayed value is not valid, drive the vehicle with a clear view of the southern sky for five minutes.



DMM USB MINI B port of the side of the module.

TIP: To find the latest availability of Super Cruise freeways near you, go to www.cadillacsupercruise.com.



Super Cruise freeways

🙏 Thanks to Katul Patel and Blake Streling

Common Questions on Super Cruise Operation

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Does the Super Cruise system turn a car into an autonomous vehicle?

No. Super Cruise cannot perform all aspects of driving, nor do everything a driver can do. Super Cruise can't drive the vehicle or replace drivers' responsibility to be attentive and ready to take control at any time. Even when Super Cruise is engaged, drivers must remain attentive and act as a supervisor for the system.

If drivers take control of the vehicle to change lanes, will Super Cruise disengage?

No. While drivers are steering, for example, to change lanes, the steering wheel light bar will pulse blue. When a driver is ready to allow Super Cruise to resume steering again, the vehicle should be positioned in the center of the lane and the steering wheel held steady until the light bar turns green again. The steering wheel should be released only when it's safe to do so.



Driver Attention Camera on top of the steering wheel

How does the Driver Attention System feature work?

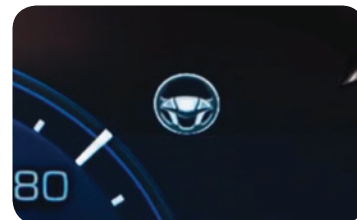
The Driver Attention System uses a small camera located on the top of the steering column that focuses exclusively on the driver and works with infrared lights to track head position to determine where the driver is looking whenever Super Cruise is in operation. The Driver Attention System does not record pictures, sound or video.

Will Super Cruise detect if drivers are drowsy?

No. The system can't detect if drivers are drowsy or focused on safe driving.

Why does a Super Cruise message appear on the Driver Information Cluster after using it for a few minutes?

If Super Cruise has been steering for several minutes, drivers may hear a chime and see a Super Cruise message on their Driver Information Cluster. The message is displayed to help ensure drivers are paying attention to the road and that the Driver Attention Camera is working properly. Drivers should read the message when it is safe and the message will be removed. If they don't read the message, Super Cruise will alert them.



The Super Cruise symbol appears when Super Cruise is available.

How can drivers find out why Super Cruise isn't available or why it's asking them to take back control?

Drivers can press the Super Cruise button to view messages on the instrument cluster about system operation. By pressing the Super Cruise button within 10 seconds of Super Cruise disengaging, a message will display in the instrument cluster with the reason for disengagement. If the Super Cruise symbol does not appear to indicate Super Cruise is available to engage, pressing the Super Cruise button will display a message about why the system is unavailable. There are 15 possible explanations for why Super Cruise disengaged or is not available, such as "No Road Information," "Driving in Exit Lane" or "Looking Away from Road for Too Long." Review the Owner's Manual for summaries of all messages.

Is there a separate OnStar team for the SOS call?

No. All Super Cruise emergency calls are handled by the same specially trained team that handles all OnStar emergency calls.

☎ Thanks to Katul Patel and Blake Streling

Flow Chart for Infotainment System Display and Audio Conditions

The radio/tuner, radio control/display/Integrated Center Stack (ICS) and Human Machine Interface (HMI) have been placed on restriction for many 2018 GM models. If any of these parts need to be replaced, the Technical Assistance Center (TAC) must be contacted before placing an order from your Electronic Service Center (ESC). Depending on the condition, TAC may require additional information.

One example of required additional information is covered in #PIC6325 for 2018 Sonic, Trax and Terrain models equipped with the Info 3 Low infotainment system (RPO IOR). If a blank display or a no audio condition is found on the infotainment system, TAC may refer technicians to the flow chart and questions outlined in #PIC6325



Infotainment System RPO IOR

before approving replacement of the radio, radio display or radio controls.

The flow chart lists a number of diagnostic questions to document, including:

- Have all modules been checked for communication and DTCs?
- Is a device connected via USB or Bluetooth?
- Is the display blank and music audio inoperative?
- Does the rear camera display?
- Does the music volume function with the radio controls or steering wheel controls?

If the flow chart requires a diagnostic procedure in the Service Information to be followed, all steps of the procedure that lead to part replacement also must be documented before calling TAC.

☎ Thanks to Ryan Dorland

HVAC Pop-up Display Shows Incorrect Temperature

The climate controls pop-up display may show an incorrect temperature setting on some 2018 Terrain models. The Heating, Ventilation and Air Conditioning (HVAC) temperature setting shown on the temperature control knobs will indicate the correctly set temperature, but the pop-up display that appears on the infotainment screen when an HVAC control is adjusted does not show the same set temperature. In many cases, the pop-up display shows a temperature of 61 degrees.

In addition, other icons in the pop-up display for the air conditioning, fan speed, and HVAC modes may appear to be blank.

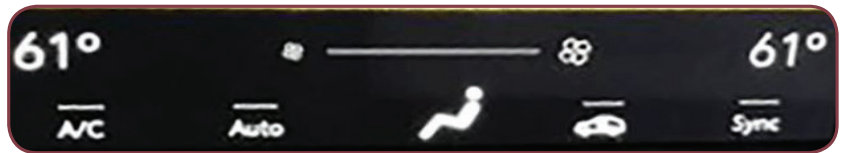
These conditions on the pop-up display are shown for the entire ignition cycle. The display may reset and operate correctly by cycling the ignition off. Even though the display is incorrect, the HVAC system is functioning properly.

The incorrect pop-up display may be caused by the data messages between control modules not being received correctly. GM engineering is currently working toward a solution to this condition. Do not replace any parts if this condition is found.

🙏 Thanks to Jeremy Richardson



Temperature settings in the temperature control knobs



Pop-up display with incorrect temperature setting and blank settings.

White Powder Appearance on A/C Line

The appearance of white powder below the air conditioning lines in the engine compartment may be noticeable on some 2017-2018 Colorado and Canyon models.

The powder substance is not corrosion. It is most likely caused by flux build-up on the A/C line during the supplier brazing process.

Verify that there are not any leaks on the A/C line and clean the flux build-up using a soft wire brush.

Do not replace the A/C lines for this condition. It is a cosmetic condition only.

🙏 Thanks to Charles Hensley



White powder appearance in engine compartment



Clean the line using a soft wire brush.

AFIT USB Cable for Windows 10

When updating the Active Fuel Injector Tester (AFIT) (CH-47976) software, some users may receive a notice about the AFIT USB cable (CH-47976-3) that is used to connect the Main Control Unit (MCU) to a computer. The original USB cable included in the AFIT kit is not compatible with computer systems running Windows 10.

A new cable adapter, CH-47976-3A, is now available on the GM Special Tools website at

gmtoolsandequipment.com. The adapter enables software updates to be made to the MCU as well as allows AFIT vehicle fuel system test results to be transferred to a computer for graphical analysis and printing.



AFIT USB Cable notice



CH-47976-3A USB to Serial Port Win10 Adapter

The first AFIT software update that was approved for use with Windows 10 was released in early 2017. The notice regarding the USB cable has been included with subsequent software updates since the first Windows 10-approved software update.

To order a new AFIT USB cable adapter (CH-47976-3A) that is compatible with Windows 10 and earlier operating systems, go to gmtoolsandequipment.com and search for CH-47976-3A.

🙏 Thanks to Chuck Berez

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