### Parts

No parts are required for this repair.

# Service Procedure

# Caution: Carefully read and follow the instructions below.

- MDI2 is required to complete this programming event. To avoid module errors do NOT use MDI1.
- Programming the front camera module is required BEFORE completing the sequential module programming event. There will be a "Successfully completed, press Finish!" pop up screen during the front camera module programming event.
- Before completing the procedure, there will be a "Successfully completed, press Finish!" pop up screen. Disconnect the front view camera module electrical connector for 10 seconds then reconnect the module and click "Finish" BEFORE 3 seconds have passed, or errors may occur. There is a small 3-5 second window of communication upon reconnect therefore this may take multiple attempts.
- Contact TCSC if programming assistance is required.

Note: Carefully read and follow the instructions below.

- Ensure the programming tool is equipped with the latest software and is securely connected to the data link connector. If there is an interruption during programming, programming failure or control module damage may occur.
- Stable battery voltage is critical during programming. Any fluctuation, spiking, over voltage or loss of voltage will interrupt
  programming. Install a GM Authorized Programming Support Tool to maintain system voltage. Refer to
  www.gmdesolutions.com for further information. If not available, connect a fully charged 12 V jumper or booster pack
  disconnected from the AC voltage supply. DO NOT connect a battery charger.
- Turn OFF or disable systems that may put a load on the vehicles battery such as; interior lights, exterior lights (including daytime running lights), HVAC, etc.
- Clear DTCs after programming is complete. Clearing powertrain DTCs will set the Inspection/Maintenance (I/M) system status indicators to NO.
- 1. Remove the windshield multifunction sensor mount bracket. Refer to *Windshield Multifunction Sensor Mount Bracket Cover Replacement* in SI.

Important: Important: Programming requires MDI2 ONLY. Using MDI WILL result in errors

**Caution:** Before completing the procedure, there will be a "Successfully completed, press Finish!" pop up screen. Disconnect the front view camera module electrical connector for 10 seconds then reconnect the module and click "Finish" BEFORE 3 seconds have passed, or errors may occur. There is a small 3-5 second window of communication upon reconnect therefore this may take multiple attempts.



2. Reprogram the front view camera. Refer to *Front View Camera Reprogramming with SPS* in SI. Before completing the procedure, there will be a "Successfully completed, press Finish!" pop up screen. Disconnect the front view camera module electrical connector for 10 seconds then reconnect the module and click "Finish" BEFORE 3 seconds have passed, or errors may occur. There is a small 3-5 second window of communication upon reconnect therefore this may take multiple attempts.

Supported Controllers           Select Controller         Zde         Vehicle wide Capiture of Module Identification Data         T           Z4         Vehicle wide Capiture of Module Identification Data         T         T         Audio Amplifier           K9         Body Control Module         Edentification Data         T         T           K160         Brake System Control Module         Edentification Data         T         T           K160         Brake System Control Module         Edentification Data         T         T         T           K160         Brake System Control Module         Edentification Data         T		
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A22     Radio Control       A22     Radio Control       K36     Restraints Control Module       K87     Restraints Control Module       K86     Serial Data Gateway Module       Serial     Telematic Control Module       K71     Transmission Control Module		
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Note: The procedure below represents the same service repair per Service Update field action N202294740.

Important: No setups are required for this sequential programming field action.

### Important: Important: Programming requires MDI2 ONLY. Using MDI WILL result in errors

3. Reprogram the sequential multiple modules through SPS/Techline Connect (SPS and Techline Connect screens shown) by selecting "ZFA - Multimodule Coordinated Sequence-Bulletin N202294740" on the select controller screen as shown. Select "Next" and follow all onscreen instructions.

Service Programming System		
	Test Driver: Final Instructions	
	Action Complete	
	2019-06-10 13 07:23 -04:00	
	Warranty Claim Code: 1121905512	
	Record this code on the warranty repair order (if applicable).	
	Important Notes/Remarks: The Warranty Claim code is a required to confirm programming has been completed. Incorrect or missing Warranty Claim Codes war ment in valuetion of surgestant claim	
	Warranty claim codes for prior VINS serviced may be retrieved through "Settings" at SPS start page.	
	Follow the Controller Specific Instructions below.	
	If there are no Controller Specific Instructions, turn ignition off for 30 seconds to reset the controller.	
	Mandatory Controller Specific Instructions (to be respected):	
	1 B	
	VII	
Print	New Cancel	5/211



Important: SPS and Techline Connect screen shown.

**Important:** To avoid warranty transaction rejections, you MUST record the warranty claim code provided on the SPS and Techline Connect Warranty Claim Code (WCC) screen on the job card. Refer to callout (1) above for the location of the WCC on the SPS and Techline Connect screen.

4. Record SPS Warranty Claim Code on job card for warranty transaction submission.

#### Warranty Information

Labor	Description	Labor	Trans.	Net
Operation		Time	Type	Item
9105124*	Sequential Module Reprogramming with SPS or TLC ADD: Front Camera Module Reset/Reprogramming	0.5 0.6	ZFAT	N/A

\* Important: To avoid warranty transaction rejections, carefully read and follow the instructions below:

- The SPS Warranty Claim Code must be accurately entered in the "SPS Warranty Claim Code" field of the transaction.
- When more than one Warranty Claim Code is generated for a programming event, it is required to document all Warranty Claim Codes in the "Correction" field on the job card. Dealers must also enter one of the codes in the "SPS Warranty Claim Code" field of the transaction, otherwise the transaction will reject. It is best practice to enter the FINAL code provided by SPS.

#### Warranty Claim Code Information Retrieval

If the SPS Warranty Claim Code was not recorded on the Job Card, the code can be retrieved in the SPS system as follows:

- 1. Open TIS on the computer used to program the vehicle.
- 2. Select and start SPS.
- 3. Select Settings.
- 4. Select the Warranty Claim Code tab.

The VIN, Warranty Claim Code and Date/Time will be listed on a roster of recent programming events. If the code is retrievable, dealers should resubmit the transaction making sure to include the code in the SPS Warranty Claim Code field.

# GLOBAL SAFETY FIELD INVESTIGATIONS DCS5448 URGENT - DISTRIBUTE IMMEDIATELY

Date: July 7, 2020

Subject: N202294740-01 - Service Update Software Update for Multiple Modules Programming Error with Frontview Camera Module

Models: 2020 Cadillac CT5

To: Select General Motors Dealers

General Motors released Service Update N202294740 on June 15, 2020. Our records show 124 vehicles may have had a programming issue during service. The vehicles affected were programmed on June 18, 2020. During programming the dealer may have experienced various loss of communication codes with the frontview camera module.

We have a procedure to reset the frontview camera module. The attached procedure will have the technicians reset the module as well as complete the same repair procedure as documented in Service Update N202294740.

Dealers with this issue will submit for the warranty claim with the 0.5 (repair procedure) as published in N202294740 and add time of 0.6 (module reset) per for the attached procedure. Please hold all warranty claims until July 8, 2020. Only the VINs in the attached file will allow for this add time. This will also close the field action for these VINs and the vehicle can be released to the customer.

The impacted VINs are attached to this message.

END OF MESSAGE GLOBAL SAFETY FIELD INVESTIGATIONS