

## Parts

No parts are required for this repair.

## Service Procedure

### Caution: Carefully read and follow the instructions below.

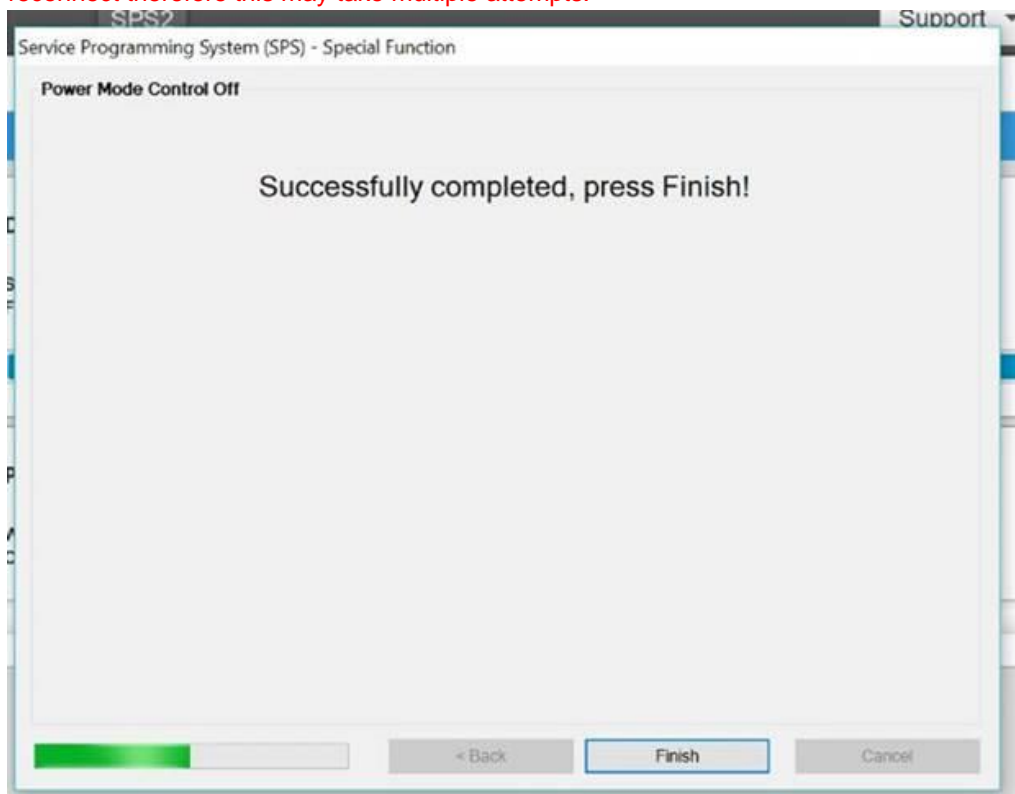
- MDI2 is required to complete this programming event. To avoid module errors do NOT use MDI1.
- Programming the front camera module is required BEFORE completing the sequential module programming event. There will be a "Successfully completed, press Finish!" pop up screen during the front camera module 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](http://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.



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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.

Service Programming System

Supported Controllers

Select Controller

- Z4 Vehicle wide Capture of Module Identification Data
- T3 Audio Amplifier
- K9 Body Control Module
- K160 Brake System Control Module
- K20 Engine Control Module
- B174W Frontview Camera Module
- K212 Gear Shift Control Module
- A26 Heater and Air Conditioning User Interface Control - Front
- Z1 Immobilizer Learn
- S165 Infotainment Control Switch
- P18 Instrument Panel Cluster Control Module
- K210 Lighting Control Module
- ZFA Multimodule Coordinated Sequence - Bulletin N202294740**
- K93 Power Steering Control Module
- A11 Radio
- A22 Radio Control
- K36 Restraints Control Module
- K85P Restraints Occupant Classification System Module - Passenger
- K56 Serial Data Gateway Module
- K73 Telematic Control Module
- K71 Transmission Control Module

Select Function / Sequence

Programming

Select Programming Type

Normal

VCI

Print ECU Data Next > Cancel 5618437

GM Techline Connect

Version: 1.3.0 Production

1G6DT5RK1L0100075  
2500 • Cadillac • CT5

Connect Vehicle

DASHBOARD GDS2 SI SPS2 Support RPO Search Service Manuals

SPS2

Supported Controllers

Select Controller

Code	Controller Name
Z4	Vehicle wide Capture of Module Identification Data
<b>ZFA</b>	<b>Multimodule Coordinated Sequence - Bulletin N202294740</b>
T3	Audio Amplifier
K9	Body Control Module
K160	Brake System Control Module
K60	Column Lock Module
K400	Driver Seat Adjuster Memory Module
K20	Engine Control Module
B2338	Forward Range Radar Sensor - Long Range
B174W	Front View Camera - Windshield
K212	Gear Shift Control Module
A26	Heater and Air Conditioning User Interface Control - Front
K124	Image Processing Module

Select Function / Sequence

Programming

Select Programming Type

Normal

VCI

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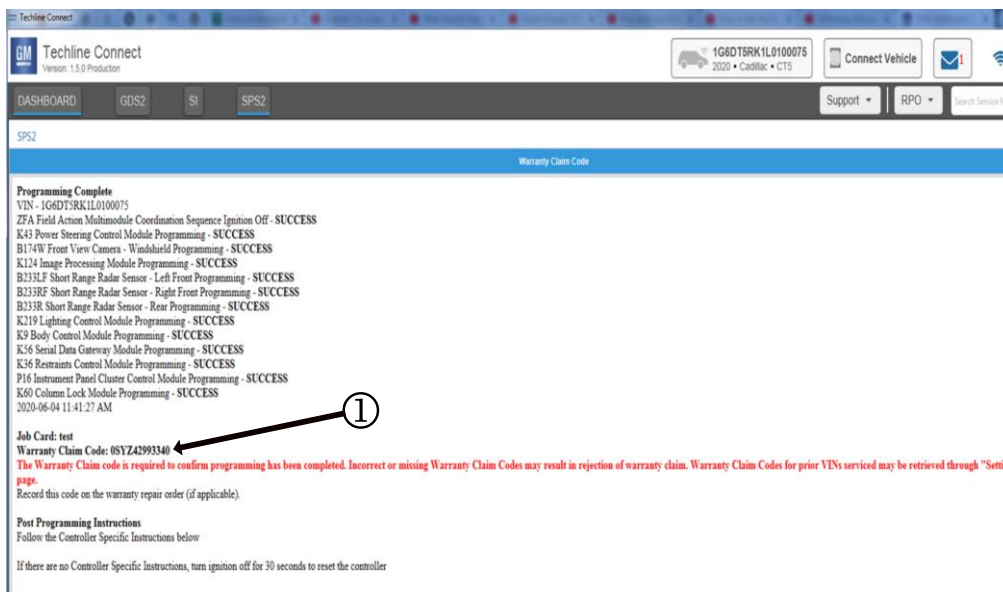
**Note:** The procedure below represents the same service repair per Service Update field action N202294740.

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

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

- 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.

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**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 Operation	Description	Labor Time	Trans. Type	Net 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