



Preliminary Information

PIT5912G Lane Keep Assist Unavailable / Adaptive Cruise Control Inop / Service Driver Assist Systems / Amber Front Collision Icon On / Dead Battery / No Crank / Front View Camera / Auto Start Stop Inop / Unable To Complete Camera Learn Stops At 94% /DTC U3000 44 49 54 and/or 57

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 New (RPO J22, VIN Digit 5 = A or D)	2022	All	All	All	All
Chevrolet	Silverado 1500	2023	All	All	All	All
GMC	Sierra 1500 New (RPO J22, VIN Digit 5 = H or U)	2022	All	All	All	All
GMC	Sierra 1500	2023	All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	With RPO UHY Without RPO UGN
Condition	<p>Some customers may comment on an amber Forward Collision icon displayed in the IPC, as shown below. Also, DTC U3000 symptom 44, 49, 54, and/or 57 may or may not be set current in the Front View Camera Module. In some cases, there could be a low or dead battery condition. Customers may also notice certain features related to the Front View Camera are unavailable, such as:</p> <ul style="list-style-type: none"> - Forward Collision Alert (RPO: UEU) - Following Distance Indicator (RPO: UE4) - Low Speed Collision Mitigation Braking (RPO: UHY) - Pedestrian Collision Mitigation Braking (RPO: UKJ) - Lane Keep Assist (RPO: UHX) - Automatic High Beam Assist (RPO: TQ5) - Adaptive Cruise Control (RPO: KSG) <p>Note: Because this condition could cause a low/dead battery, it can cause the Auto Stop/Start feature to be disabled due to the battery start of charge. The front view camera module issue should be corrected first before diagnosing an auto stop/start complaint.</p>
Cause	The cause of this concern could be Onstar performing a task, which causes the B174W Front View Camera to set the DTC and disable during the next vehicle start up.



Correction:

Perform the following to repair the concern:

Note: If the battery was low or dead, then charge and test the battery. The battery may require charging a second time before it will pass the test.

1. Turn the ignition off.
2. Remove the F11DR fuse for the B174W Front View Camera, located in the X51R Right Instrument Panel Fuse block.
3. Leave the fuse removed for 1 minute, then reinstall the fuse.
4. Clear any DTCs and check camera operation.
5.
 - If the camera operation has returned, then no further action is required.
 - If the camera operation has NOT returned, then perform a camera relearn using GDS2.
6.
 - If the camera operation has returned after the camera relearn, then no further action is required.
 - If the camera operation has NOT returned after the camera relearn then perform normal SI diagnostics and repair as necessary.
 - If the camera will not complete the Front View Camera relearn procedure, then see "Extended Camera Relearn Procedure", shown below.

Note: If it is necessary to replace the Front View Camera, be sure to use the correct Part Number listed in the Electronics Parts Catalog. The Original Front View Camera may have "Service P/N 86814414" printed on the label (circled in red below) and that is the incorrect Part Number for this vehicle. Correct Part Number to use is in location circled in green below. If the part was ordered incorrectly it can be returned to the PDC using the correct MR return code. The part number shown below in green is ONLY an example to show location of which part number to use, it may not be the part number for your particular vehicle.



Extended Camera Relearn Procedure

If after performing the above procedure and the camera relearn does not complete (example stops at 94%), then try the following "Extended Camera Relearn Procedure", shown below:

These steps must be followed exactly for the camera learn to be successful.

- 1). Cover camera on the outside of windshield with black electrical tape, or a fender cover.
- 2). Shut off the vehicle, disconnect the MDI from the DLC and remove the Key Fobs from the vehicle. Close all doors and leave the vehicle undisturbed for a minimum of 30 minutes so it can fully go asleep.
- 3). Remove tape or fender cover from the windshield and then clean the windshield glass in front of the camera lens.
- 4). Install MDI, turn ignition on and go into GDS2 and clear all DTCs. Then perform B174W Forward Camera learn procedure with GDS2.
- 5). Camera Learn progress will reach 100%, but "Learn Status" will remain as "No."
- 6). Turn the ignition off, unplug the B174W Forward Camera connector and allow the vehicle to go to sleep. Which the OnStar indicator light to turns off and then allow the vehicle to remain asleep for another 1 min.
- 7). Re-connected B174W Forward Camera connector and start the vehicle.
- 8). Clear any/all DTCs.
- 9). Perform B174W Forward Camera learn procedure again. It should once again successfully learn, but the "Calibration Status" should now change from "Calibrated" to "Dynamically Calibrated."

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
*2888668	Check for DTCs, Cycle fuse for front view camera module, Clear DTCs	0.5 Hr.
Add	ONLY Use As Needed - Perform Camera Relearn with GDS2	0.3 Hr.
Add	ONLY Use As Needed - Charge and Test Battery	0.2 Hr.
Add	ONLY Use As Needed - Extended Camera Relearn Procedure	1.1 Hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	
	8
Modified	05/05/2022 - Created on. 05/18/2022 - Updates to the Title, Condition, Correction and Warranty sections. 05/20/2022 - Update to add note about incorrect Service Camera Part Number being printed on original front view camera. 06/07/2022 - Update to change labor time 08/16/2022 - Update to Add Admin details 08/29/2022 - Update to the title and condition sections 01/09/2023 - Update to title, model year, and condition sections 02/23/2023 - Update to the title, correction and warranty sections



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