



Service Bulletin

Bulletin No.: PIT6503E

Date: August, 2026

PRELIMINARY INFORMATION

Subject: B174W Front View Camera Part Restriction and Diagnostic Procedure

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Enclave	2025 - 2026		All	All	All	All
Buick	Envision	2024 - 2026		All	All	All	All
Cadillac	CT5	2025 - 2026		All	All	All	All
Cadillac	LYRIQ	2024 - 2025		All	All	All	All
Cadillac	XT4	2024 - 2025		All	All	All	All
Chevrolet	Blazer EV	2024 - 2026		All	All	All	All
Chevrolet	BrightDrop 400	2024 - 2026		All	All	All	All
Chevrolet	BrightDrop 600	2024 - 2026		All	All	All	All
Chevrolet	Corvette	2026		All	All	All	All
Chevrolet	Equinox EV	2024 - 2026		All	All	All	All
Chevrolet	Equinox	2025 - 2026		All	All	All	All
Chevrolet	Silverado EV	2024 - 2026		All	All	All	All
Chevrolet	Suburban	2025 - 2026		All	All	All	All
Chevrolet	Tahoe	2025 - 2026		All	All	All	All
Chevrolet	Traverse	2024 - 2026		All	All	All	All
GMC	Acadia	2024 - 2026		All	All	All	All
GMC	Sierra EV	2025 - 2026		All	All	All	All
GMC	Terrain	2025 - 2026		All	All	All	All
GMC	Yukon	2025 - 2026		All	All	All	All
GMC	Yukon XL	2025 - 2026		All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	Vehicles without Super Cruise (UKL) equipped with B174W Front Camera Module and associated active safety content (Forward Collision Alert, Automatic Emergency Braking, Lane Keep Assist, etc.).
Condition	Some customers may comment on one or more of the following concerns on vehicles equipped with the B174W Front View Camera Module: • Messages such as FRONT CAMERA – WINDSHIELD UNAVAILABLE, FRONT CAMERA BLOCKED, or similar forward camera unavailable messages. • Forward Collision message illuminated. • Automatic Braking message or amber AEB telltale illuminated. • Lane Keep Assist or similar lane-keeping/LDW messages illuminated.

	• ADAS features (Forward Collision Alert, AEB, Lane Keep Assist, etc.) operating intermittently or inoperative. • Various communication and control module DTCs set as Active or History, including but not limited to: – U1615 / U1616 – Lost Communication with B174W on CAN Bus 2 or CAN Bus 8. – U197A – Ethernet Time Synchronization Signal Invalid (set by B174W). – U0499 – Invalid Data Received from Telematics Control Platform Module (set by B174W). – U0235 – Lost Communication with Forward LRR sensor (set by B174W). – B1A05 – B174W MCU Missing Calibration (set by B174W). – U3000 – Control Module set by B174W or other ECUs. – Other network loss-of-communication DTCs involving K56 Serial Data Gateway Module and related ECUs as referenced in SI. In some cases, vehicles may have had the front camera replaced previously during the same visit without full completion of diagnostics and prescribed service instructions, with no resolution of the customer concern.
Cause	Engineering analysis and field reviews have identified that many B174W Front View Camera module replacements are the result of incomplete diagnostics or non-camera root causes, including but not limited to: • Vehicle power / 12 V system concerns, including low battery state-of-charge and related DTCs (e.g., P0562, U3003-16). • Serial data / CAN bus / Ethernet issues involving K56 Serial Data Gateway Module and other ECUs (engine, transmission, EBCM, steering, radar sensors, etc.). • Non-GM windshield glass or incorrect windshield installation (improper bracket alignment, incorrect glass, applied tints, or other alterations) affecting camera performance and calibration. • Improper B174W seating or bracket installation at the windshield. • Software anomalies or calibration issues requiring reprogramming and the Front View Camera – Windshield Learn procedure. • Other ECUs setting U3000 or related DTCs where the root cause is not the front camera module. As a result, replacing the B174W Front Camera Module without following the diagnostic procedure often does not resolve the concern and contributes to unnecessary part usage.

Correction

Important: Do not replace the B174W Front View Camera Module for the conditions described above unless you complete all of the steps in this procedure and PQC authorizes replacement.

Follow the steps in order. Document your answers in the RO.

Step A – Check communication with B174W Front View Camera module and the K56 Serial Data Gateway module.

Can your scan tool communicate with B174W Front View Camera module over Ethernet (wired connection)? (Yes/No).

If YES:

Go to Step B.

If NO:

If using WiFi, try again using a wired connection to the vehicle network.

Can you now communicate with B174W Front View Camera module? (Yes/No).

If YES:

Go to Step B.

If NO:

This is most likely a scan tool or gateway communication issue, not a failed B174W Front View Camera module.

Follow SI 5199686 and SI 5199685 to diagnose the scan tool and K56 Serial Data Gateway Module until you can communicate with K56.

If still no communication, use schematic SI 6539608 and SI 5969120 (DTC B1A1D) to diagnose the Ethernet path between B174W and K56.

If still no communication, try rerunning the SDAC procedure.

Do not replace the front camera until this communication issue is resolved.

Once connector has been reconnected and communication is restored, continue with Step B.

Step B – CAN bus / gateway loss-of-communication checks.

Are other ECUs setting U1615 (Lost Communication with B174W Front View Camera module on CAN Bus 2) and/or U1616 (Lost Communication with B174W Front View Camera module on CAN Bus 8) as Active? (Yes/No).

If YES:

Perform a 12V disconnect and recheck DTCs.

After clearing DTCs, are U1615 and U1616 still set as Active? (Yes/No)

If YES:

Follow SI 6535776 (U1615) or SI 6535777 (U1616) to diagnose

If NO: continue

Step C – Check for DTC B1A05

Is B1A05 set as Active by B174W Front View Camera module? (Yes/No).

If YES:

Follow SI 6656059 for this condition.

If SI directs replacement of B174W Front View Camera module, then after replacement, reprogram and perform the Front View Camera – Windshield Learn procedure in SI 5969482.

If NO: continue

Have you completed all of the steps above in order? (Yes/No).

If NO: go back and complete any missing steps.

If YES:

If the concern is resolved, no further action is required.

If the concern is not resolved and an SI explicitly instructs replacing B174W Front View Camera Module, then:

Contact PQC to request authorization.

PQC Attestation Questions:

Q1. Is this part being requested for customer pay?

Q2. (Required) Provide the PIT6503 step letter and/or SI Document ID and step number that directs camera replacement

(Example: PIT6503 Step B or SI Doc ID 1234567 Step 3)

U.S Dealers:

Please contact the Product Quality Center (PQC) by opening a new PQC case via CX Connect in Global Connect. Search for the associated PI/Bulletin number in CX Connect to download the appropriate PQC Parts Restrictions Template and save a copy to your computer. Fill the form out and save it on your computer. You can then attach a copy of the completed template to your PQC Case.

Canadian Dealers:

If your diagnosis leads to a possible part replacement, please contact the PQC by email at PQC@gm.com or by calling 1-866-654-7654 to receive the PQC -Parts Restriction Template. Once it has been filled out, return the completed Parts Restriction Template for review.

Parts Information

Description	Part Number	Qty
86535062	Camera, Forward View	1
85063357	Camera, Forward View	1
85870485	Camera, Forward View	1
85673847	Camera, Forward View	1

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
6620110	Front View Camera Replacement	Use Published Labor Time
2810835	Front View Camera Reprogramming with SPS	Use Published Labor Time
6620295	Front View Camera - Windshield Learn	Use Published Labor Time
2810275	Serial Data Gateway Module Reprogramming with SPS	Use Published Labor Time

Version	6
Modified	04/14/2026 - Created on 05/26/2026 - Updated PQC attestation. 06/16/2026 - Updated vehicle list. 08/11/2026 - Updated Correction and Labor Operations. 08/20/2026 - Updated Correction and Labor Operations 08/26/2026 - Updated PQC attestation.

