

Customer Satisfaction Program

26170 Water Intrusion to Fan Module Connector



Reference Number: N152026170
GWM Number: 2026170

Release Date: August 2016
Revision: 00

Attention: This program is in effect until June 30, 2018.

Make	Model	Model Year		RPO	Description
		From	To		
Chevrolet	Camaro	2016	2016	LGX/LTG	V6/L4-Turbo

Involved vehicles are marked "open" on the Investigate Vehicle History screen in GM Global Warranty Management system. This site should always be checked to confirm vehicle involvement prior to beginning any required inspections and/or repairs.

Condition	Certain 2016 model year Chevrolet Camaro vehicles, equipped with a V6 or L4-Turbo engine (RPO LGX or LTG), may have a condition in which water can migrate within the forward lamp wire harness and intrude into the fan control module connector and can lead to connectivity loss and terminal corrosion. If a customer experiences this condition, an SES light (DTC P0480 and possibly P0691) can illuminate. In addition, if the loss of the engine cooling fan operation is not corrected, the condition can lead to engine overheating or engine damage.
Correction	Inspect connector and ground terminals for presence of water or corrosion. Clean and add a sealant and a patch, or replace the wire harness and/or cooling fan module or assembly if necessary.

Parts

Quantity	Part Name	Part No.
1	Forward Lamp Wiring Harness Assembly	23398676
1	Forward Lamp Wiring Harness Assembly	23398677
1	Forward Lamp Wiring Harness Assembly	23398679
1	Forward Lamp Wiring Harness Assembly	23398680
1	Forward Lamp Wiring Harness Assembly	23398681
1	Deadener (Services 12 Vehicles)	22709067
1	Engine Coolant Fan Assembly	23347101
1	Fan Control Module Assembly	23506648
1	Dielectric Synthetic Lubricant (Services 100 Vehicles)	12377900 (US) 10953529 (CA)
1	Black Weather Strip Adhesive Gel (Services 1500 Vehicles)	12345097 (US) 10953479 (CA)

Note: Use the VIN and the GM Electronic Parts Catalog (EPC) to determine which part to order.

Warranty Information

Labor Operation	Description	Labor Time	Trans. Type	Net Item
9102324	Apply adhesive and deadener patch to G101 and G102 ground and dielectric grease to connector	1.3	ZFAT	*
	Add: Replace forward lamp wiring harness and replace fan control module (LGX without RPO Y4Q)	2.0		
	Add: Replace forward lamp wiring harness and engine coolant fan (LGX with Y4Q or LTG)	2.9		
	Add: Fill cooling system	0.3		

* The amount identified in "Net Item" should represent the actual sum total of the current GMCC&A dealer net price for deadener, dielectric synthetic lubricant, and black weather strip adhesive gel needed to perform the required repairs, not to exceed \$0.36 USD, \$0.56 CAD, plus applicable Mark-Up or Landed Cost (for Export).

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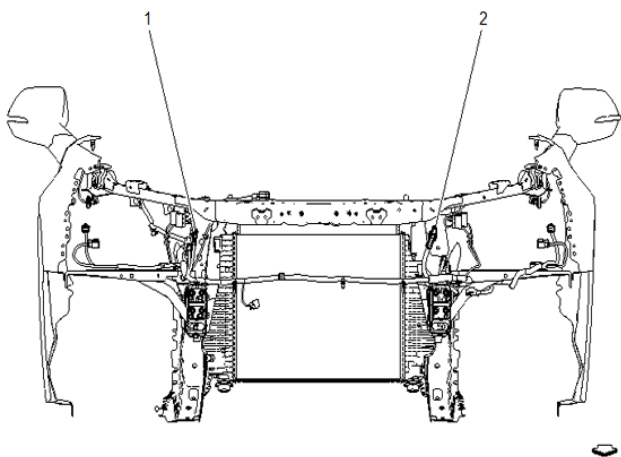


Service Procedure

1. Disconnect the forward lamp wiring harness from the fan control module on vehicles equipped a LGX engine WITHOUT RPO Y4Q. Disconnect the forward lamp wiring harness from the engine coolant fan on vehicles equipped with a LGX engine with RPO Y4Q or a LTG engine.

Note: The forward lamp wiring harness connects to the fan control module on vehicles equipped a LGX engine WITHOUT RPO Y4Q or to the engine coolant fan on vehicles equipped with a LGX engine with RPO Y4Q or a LTG engine.

2. Inspect the forward lamp harness and fan connectors for the presence of moisture and/or corrosion.



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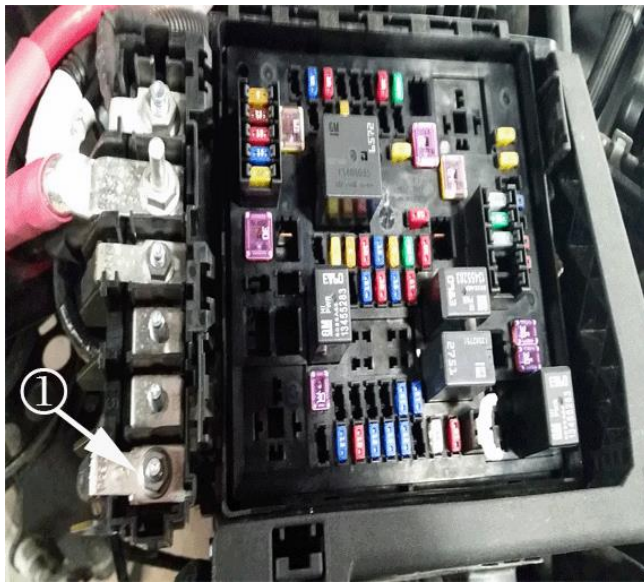
- If the presence of moisture and/or corrosion is NOT found, apply adhesive and a deadener patch to G101 (2) and G102 (1) and apply dielectric lubricant to the forward lamp wiring harness connector and fan control module (LGX engine without RPO Y4Q) or engine coolant fan connector (LGX engine with RPO Y4Q or a LTG engine). Refer to steps 9-12, 16-20, and 22-23 below.
- If the presence of moisture and/or corrosion is found, the forward lamp wiring harness and the fan control module assembly will require replacement on vehicles equipped with a LGX engine WITHOUT RPO Y4Q or the engine coolant fan will require replacement on vehicles equipped with a LGX engine with RPO Y4Q or a LTG engine. Proceed to step 3.

Note: The following steps depict the repair being performed on a vehicle equipped with a LTG engine. Repair is similar to vehicles equipped with a LGX engine.

3. Disconnect the battery negative cable. Refer to *Battery Negative Cable Disconnection and Connection* in SI.
4. Remove the covers from the engine wiring harness junction block.

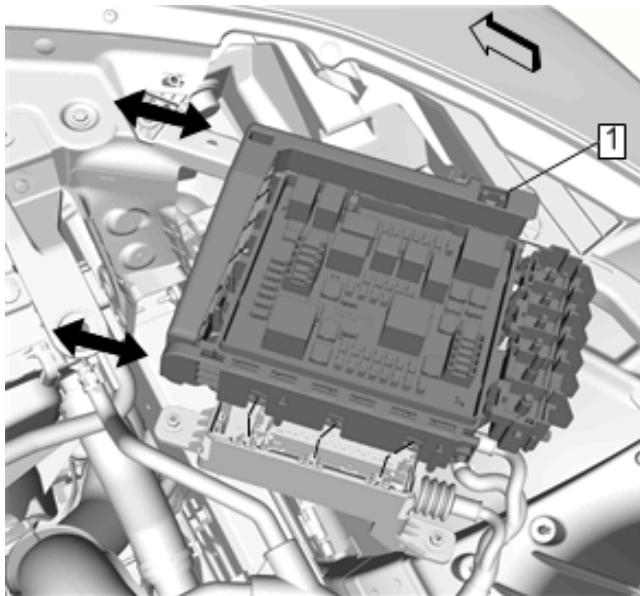
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5. Disconnect the forward lamp wiring harness cable (1).

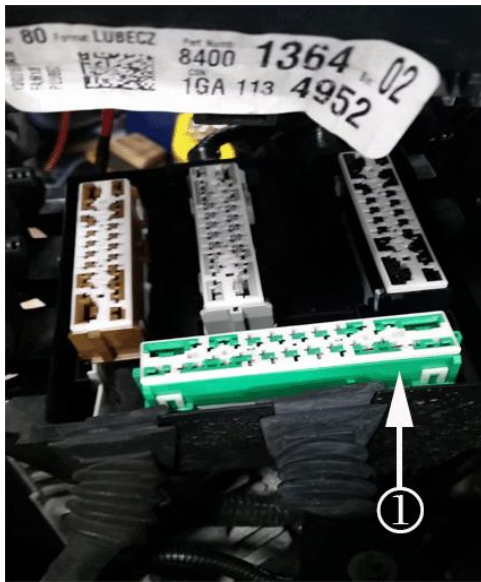


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6. Slide the locking bar forward to release the engine wiring harness junction block (1) from the engine wiring harness junction block bracket.

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7. Remove the forward lamp harness connector (1) from the engine wiring harness junction block bracket.
8. Remove the air cleaner outlet duct and air cleaner assembly. Refer to *Air Cleaner Assembly Replacement* in SI.
9. Remove the front bumper fascia. Refer to *Front Bumper Fascia Replacement* in SI.
10. Remove both front headlamp assemblies. Refer to *Headlamp Replacement (HID)* or *Headlamp Replacement (Halogen)* in SI.
11. Remove both intake air baffles. Refer to *Intake Air Baffle Replacement* in SI.
12. Remove the driver side front fender front brace. Refer to *Front Fender Front Brace Replacement* in SI.
13. Remove the radiator air upper baffle and deflector. Refer to *Radiator Air Upper Baffle and Deflector Replacement (LGX)* or *Radiator Air Upper Baffle and Deflector Replacement (LTG)* in SI.



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Caution: Note the routing of the forward lamp harness prior to removing it. Harness chafing and/or damage could occur if the forward lamp harness is routed improperly when reinstalling.

14. Remove the forward lamp harness (1).

Caution: Route the forward lamp harness in the exact same location as noted prior to removing it. Harness chafing and/or damage could occur if the forward lamp harness is routed improperly.

15. Install the new forward lamp harness.

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G102 is shown. G101 is similar.

16. Apply adhesive (1) to the G101 and G102 ground cables making sure to completely coat the end of the cable.



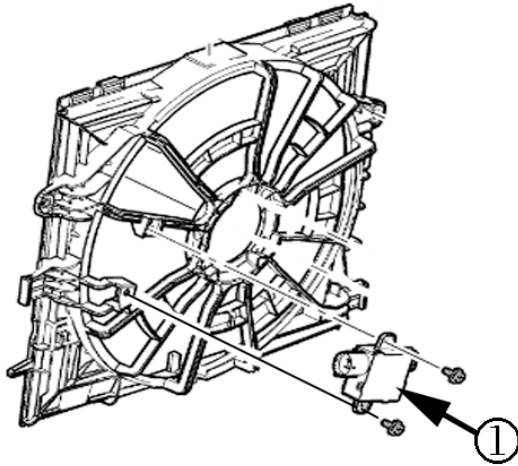
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G102 is shown. G101 is similar.

17. Apply a 6 x 6 cm (2.5 x 2.5 in) square patch of deadener (1) over top of the G101 and G102 connections.
18. Install the driver side front fender front brace. Refer to *Front Fender Front Brace Replacement* in SI.
19. Install both intake air baffles. Refer to *Intake Air Baffle Replacement* in SI.
20. Install both front headlamp assemblies. Refer to *Headlamp Replacement (HID)* or *Headlamp Replacement (Halogen)* in SI.
21. Depending on vehicle content, perform one of the following:
 - If the vehicle is equipped a LGX engine with RPO Y4Q or a LTG engine, replace the engine coolant fan. Refer to *Engine Coolant Fan Replacement (LTG without V18)*, *Engine Coolant Fan Replacement (LTG with V18)*, *Engine Coolant Fan Replacement (LGX With V03)*, or *Engine Coolant Fan Replacement (LGX Without V03)* in SI.

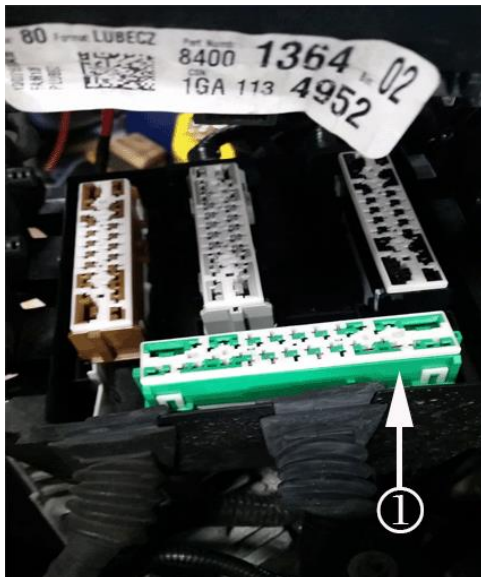
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- If the vehicle is equipped a LGX engine WITHOUT RPO Y4Q, replace the fan control module (1).
22. Apply dielectric lubricant to the fan control module or engine coolant fan connector and forward lamp harness connector at the fan control module or engine coolant fan connection and secure the connector.
 23. Install the front bumper fascia. Refer to *Front Bumper Fascia Replacement* in SI.
 24. Install the radiator air upper baffle and deflector. Refer to *Radiator Air Upper Baffle and Deflector Replacement (LGX)* or *Radiator Air Upper Baffle and Deflector Replacement (LTG)* in SI.
 25. Install the air cleaner outlet duct and air cleaner assembly. Refer to *Air Cleaner Assembly Replacement* in SI.

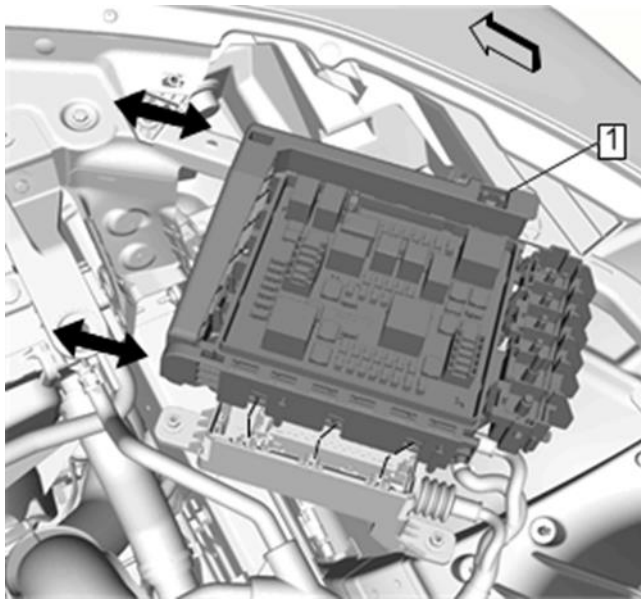


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26. Install the forward lamp harness connector (1) into the engine wiring harness junction block bracket.

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27. Install the engine wiring harness junction block (1) to the bracket. Slide the locking bar rearward to lock the engine wiring harness junction block to the bracket.



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28. Connect the forward lamp wiring harness cable (1) and tighten the nut to 9 Nm (80 lb in).
29. Install the covers to the engine wiring harness junction block.
30. Connect the battery negative cable. Refer to *Battery Negative Cable Disconnection and Connection* in SI.

Dealer Responsibility

All new, used, GM Certified Used, courtesy transportation vehicles, dealer shuttle vehicles, etc. in dealers' possession and subject to this recall must be held and inspected/repared per the service procedure of this bulletin before customers take possession of these vehicles. Involved vehicles must be held and not delivered to customers, dealer-traded, released to auction, used for demonstration, or any other purpose.

All GM Certified Used vehicles currently in the dealers' inventory within the Certified Pre-Owned Inventory System (CPOIS) will be de-certified and must be held and remedied per the service procedure in this bulletin. Upon submitting an accepted/paid warranty transaction in the Global Warranty Management (GWM) system, the vehicle can be re-certified for sale within the CPOIS system, or once again be used in the CTP program.

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Dealers are to service all vehicles subject to this program at no charge to customers, regardless of mileage, age of vehicle, or ownership, through August 31, 2018. Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the involved vehicle listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Program follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this program enters your vehicle inventory, or is in your facility for service through August 31, 2018, you must take the steps necessary to be sure the program correction has been made before selling or releasing the vehicle.

Dealer Reports

For dealers with involved vehicles, a listing with involved vehicles has been prepared and will be provided to U.S. and Canadian dealers through the GM GlobalConnect Recall Reports, or sent directly to export dealers. The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

Courtesy Transportation – For USA & Canada

Courtesy transportation is available for customers whose vehicles are involved in a product program and still within the warranty coverage period. See General Motors Service Policies and Procedures Manual, Section 6.1.10 – Courtesy Transportation, for details.

Customer Notification

USA & Canada - General Motors will notify customers of this recall on their vehicle (see copy of customer letter included with this bulletin).

Export - Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act. For owners outside these areas, dealers should notify customers using the attached sample letter.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the tools, equipment, safety instructions, and know-how to do a job properly and safely. If a condition is described, **DO NOT** assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your dealer for information on whether your vehicle may benefit from the information.



**We Support
Voluntary Technician
Certification**

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August 2016

This notice applies to your vehicle, **VIN:** _____

Dear General Motors Customer:

We have learned that your 2016 model year Chevrolet Camaro may have a condition in which water can migrate within the forward lamp wire harness and intrude into the fan control module connector, which could lead to connectivity loss and terminal corrosion. If this condition occurs, the Service Engine Light will illuminate. In addition, if the loss of the engine cooling fan operation is not corrected, the condition can lead to engine overheating or engine damage.

Your satisfaction with your Chevrolet Camaro is very important to us, so we are announcing a program to prevent this condition or, if it has occurred, to fix it.

What We Will Do: Your GM dealer will inspect the connector and ground terminals for the presence of water or corrosion. Your dealer will also clean and add a sealant and a patch, or replace the wire harness and/or cooling fan module or assembly, if necessary. This service will be performed for you at **no charge until August 31, 2018**. After that, any applicable warranty will apply.

What You Should Do: To limit any possible inconvenience, we recommend that you contact your dealer as soon as possible to schedule an appointment for this repair. By scheduling an appointment, your dealer can ensure that the necessary parts will be available on your scheduled appointment date.

If you have any questions or concerns that your dealer is unable to resolve, please contact the appropriate Customer Assistance Center at the number listed below.

Division	Number	Text Telephones (TTY)
Chevrolet	1-800-630-2438	1-800-833-2438
Puerto Rico – English	1-800-496-9992	
Puerto Rico – Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

We sincerely regret any inconvenience or concern that this situation may cause you. We want you to know that we will do our best, throughout your ownership experience, to ensure that your Chevrolet Camaro vehicle provides you many miles of enjoyable driving.

Terry M. Inch
Executive Director
Global Connected Customer Experience

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GLOBAL SAFETY FIELD INVESTIGATIONS
DCS4132
URGENT - DISTRIBUTE IMMEDIATELY

Date: August 2, 2016

Subject: 26170 - Customer Satisfaction Program
Water Intrusion to Fan Module Connector

Models: 2016 Chevrolet Camaro
Equipped with V6/L4-Turbo Engine (LGX/LTG)

To: All Chevrolet Dealers

General Motors is releasing Customer Satisfaction Program 26170 today. The total number of U.S. vehicles involved is approximately 14,400. Please see the attached bulletin for details.

Customer Letter Mailing

The customer letter mailing will begin on August 15, 2016.

Global Warranty Management (GWM)

The Investigate Vehicle History (IVH) screen in the GWM system will be updated tomorrow, August 03, 2016. A list of involved vehicles in dealer new inventory is attached to this message. Please hold all warranty transactions until the VIN appears in IVH

END OF MESSAGE

GLOBAL SAFETY FIELD INVESTIGATIONS