



Service Bulletin

PRELIMINARY INFORMATION

Subject: Water Intrusion - Forward Lamp Harness - Engine Cooling Fan Inoperative - DTC P0480 and/or P0691

Models: 2016 Chevrolet Camaro
Equipped with 3.6L Engine (RPO LGX)
Equipped with 2.0L Engine (RPO LTG)

This PI was superseded to update the Recommendation, Parts, and Warranty Info sections. Please discard PIC6160B.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Some customers may comment that the engine cooling fan intermittently stops working.

As this condition worsens, it may be found that the Check Engine Lamp (CEL) has turned on, the engine cooling fan stops operating all together and/or DTC P0480 / P0691 may be set.

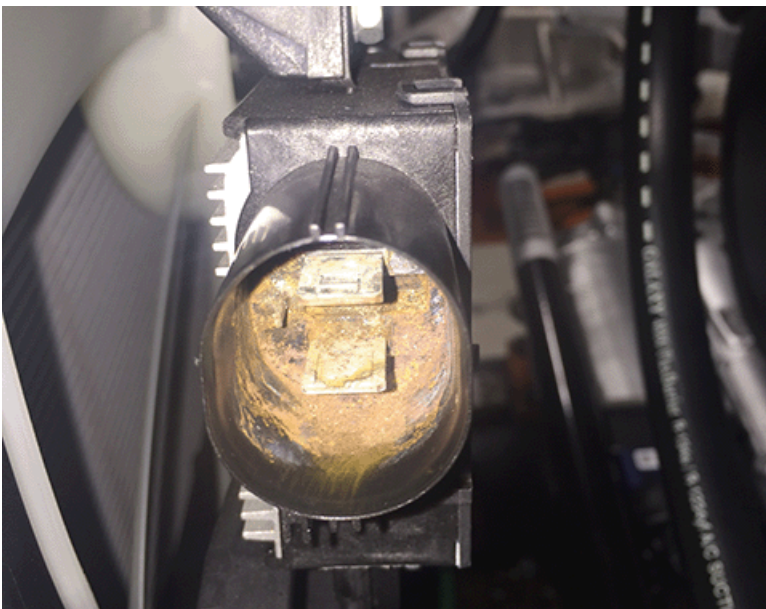
If the customer would continue driving with an inoperative cooling fan, the engine can overheat causing severe engine component damage.

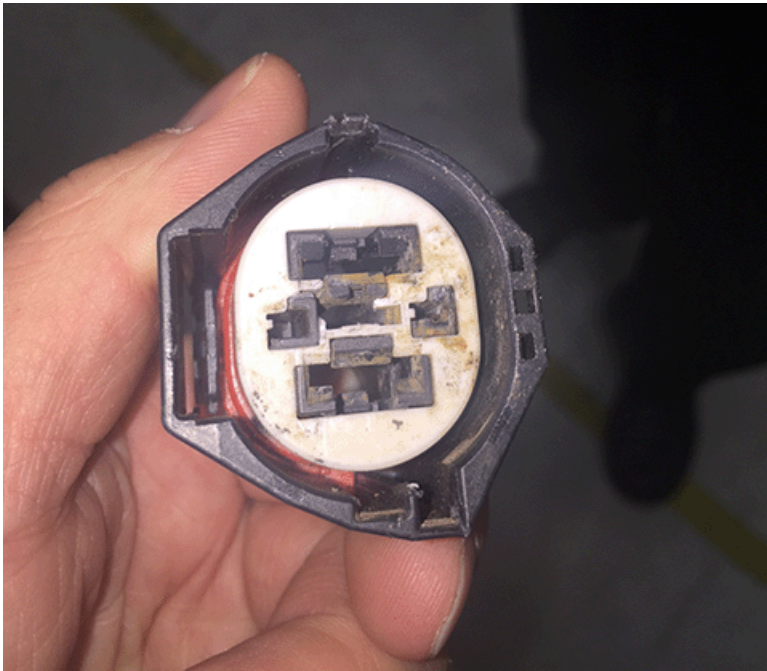
Recommendation/Instructions

This concern may be caused by water intrusion into the forward lamp harness.

If the wiring harness is stretched, or side loaded, where the cooling fan module connector plugs in, this may allow water to wick down the harness, past the weather pack seals, and into the connector itself.

As time goes on, this water may corrode the terminals inside the connector and/or the harness itself as seen in the two photos below.





As the corrosion builds, this may cause the engine cooling fan to become inoperative altogether.

If this concern is encountered, dealership technicians are to first inspect the forward lamp wiring harness to cooling fan module connector for the presence of moisture and/or corrosion.

If either is found, the fan control module AND the forward lamp harness will both need to be replaced.

If no water or corrosion is found after inspecting this connection, refer to Service Information (SI) and continue with regular diagnosis.

After the components have been replaced, as a preventative measure, technicians are to service G101 and G102, which are both located on the front of the vehicle.

G101 is located on the LH side of the vehicle.

G102 is located on the RH side of the vehicle.

While the front fascia is removed from the car, remove any corrosion that is found on either ground.

When that has been done, apply about a half inch length of butyl tape around the wire connection to the ground screw as pictured in the photo below.

Do this for each ground wire.



Once this has been done, cut 2 patches of butyl, about 2.5" square, and apply over the ground screw on both chassis grounds. Press the patch firmly against the sheet metal and the ground wire to seal it off from the elements. This will further protect the chassis grounds from any water / potential corrosion in the future.

Parts Information

Part Number	Quantity Per Vehicle	Part Description
23398681	1	Harness - Forward Lamp (For 3.6L cars - without RPO Y4Q track package and with RPO T4F HID headlamps)
23398680	1	Harness - Forward Lamp (For 3.6L cars - without RPO Y4Q track package and without RPO T4F HID headlamps)
23188752	1	Module Assembly - Fan Control (For 3.6L cars - without RPO Y4Q track package)
23398676	1	Harness - Forward Lamp (For 3.6L cars - with RPO Y4Q track package and with RPO T4F HID headlamps) or (For all 2.0L cars - with RPO T4F HID headlamps)
23398679	1	Harness - Forward Lamp (For 3.6L cars - with RPO Y4Q track package and without RPO T4F HID headlamps) or (For all 2.0L cars - without RPO T4F HID headlamps)
23347101	1	Module Assembly - Fan Control (For 3.6L engine with RPO Y4Q track package) or (For all 2.0L cars)
P10310	1	Kent Seal N' Caulk - 72' - this will service 1500+ vehicles
12378195	1	Butyl Patch Material - This will service approximately 180 vehicles

Note: 1:Only one harness and one fan module will be needed per vehicle. Order the appropriate parts based on the options the vehicle is equipped with. As for the Caulk and Patch material, most dealerships already have these products in stock and they will not need to be ordered. Check with the parts department before ordering.

Note: 2:If a Parts Return Request is generated, be sure to return both the fan module AND the forward lamp harness.

Warranty Information

For vehicles repaired under warranty use:

Labor Operation	RPO Codes	Description	Labor Time
5480258*	LGX Without Y4Q	Replace Forward Lamp Harness, Cooling Fan Control Module, and apply butyl caulk / patches	3.3 hr
5480298*	LGX With Y4Q	Replace Forward Lamp Harness, Cooling Fan Control Module, and apply butyl caulk / patches	4.3 hr
	Or All LTG		
* This is a unique labor operation for bulletin use only.			

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

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 equipment, tools, 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 GM dealer for information on whether your vehicle may benefit from the information.



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