



Service Bulletin

TECHNICAL

Subject: Cooling Fan Inoperative Caused by Corrosion Due to Moisture

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Tahoe Police Pursuit Vehicles	2010	2014			All	All

Involved Region or Country	North America
Additional Options (RPOs)	Equipped with Police Pursuit Vehicles (PPV)
Condition	On November 28, 2016, all General Motors dealers were advised via General Motors Global Connected message GCUS-3-768 of upcoming safety recall 16145. This recall will relate to a condition in under heavy police use conditions, the passenger-side underhood cooling fan assembly in these vehicles may be susceptible to repeated fluid intrusion, which could lead to corrosion of wiring inside the fan motor over time.
Cause	Such corrosion can, under certain conditions, cause an electrical short circuit. A short circuit caused by corrosion can create elevated temperatures within the fan motor, which can increase the risk of an engine-compartment fire while the vehicle is running.
Correction	The permanent remedy for this recall is not yet available. This bulletin is intended to provide dealers with a procedure to inspect and repair vehicles that are currently exhibiting signs of corrosion in the wiring inside the fan motor. GM will provide dealers with a recall bulletin and repair procedure when the recall remedy is available. A bulletin procedure is now available. The bulletin procedure involves an inspection, and if evidence of corrosion on the motor housing or any other problem exists, a replacement cooling fan motor must be installed. This is a temporary repair and these vehicles will require an additional repair when parts for the final remedy are available.

Parts Information

Description	Part Number	Qty
Engine Coolant Fan Motor	20903477	1

Warranty Information

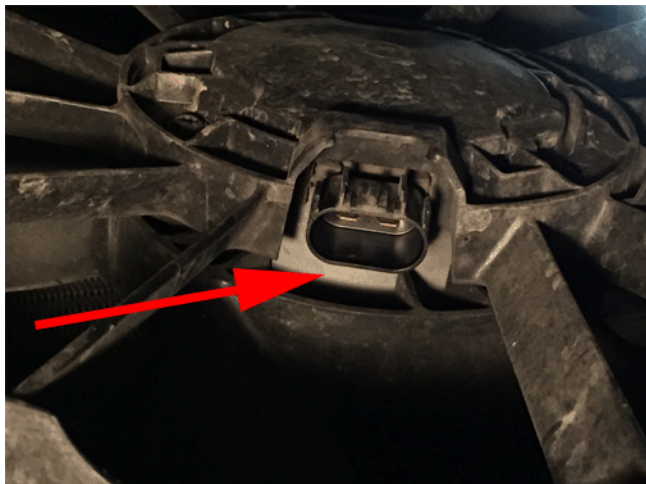
For vehicles out of warranty, claim will need to be H Routed.

Labor Operation	Description	Labor Time	Trans. Type
9102978	Inspection for Corrosion at Engine Cooling Fan Motor	0.3	ZFAT
9102979	Engine Cooling Fan Motor Replacement (Includes Inspection)	0.6	ZFAT

Service Procedure

Note: This procedure only applies to the vehicle's right hand side cooling fan.

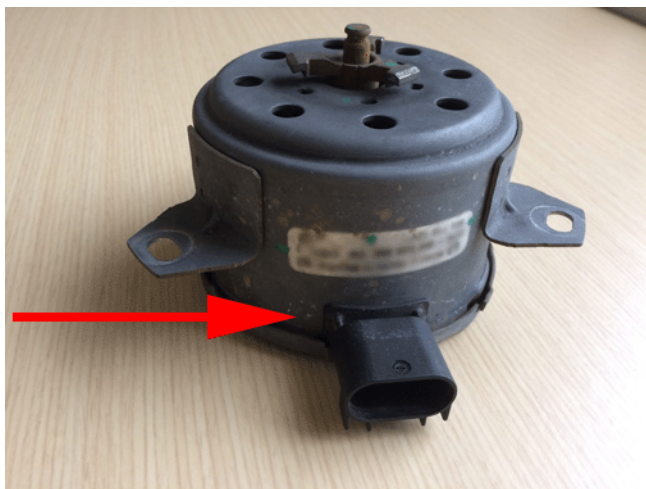
1. Remove the lower engine shield following the instructions in SI for *Engine Shield Replacement*.
2. From underneath the vehicle, disconnect the electrical connector on the right hand side cooling fan.



Note: Arrow shows area of inspection. No corrosion in this example.



Note: Arrow shows area of inspection detail. No corrosion in this example.



Note: Metal fan motor housing with no corrosion (OK)



Note: Metal fan motor housing with corrosion (not OK)

3. Visually inspect the metal cooling fan motor housing underneath the black plastic fan shroud for corrosion (reference photos above for area of inspection and corroded example).
4. If there is no corrosion found, continue diagnosis referring to SI.
5. If corrosion on the metal fan motor housing is identified, replace the cooling fan motor following the *Engine Coolant Fan Replacement* instructions in SI.

Note: This is a temporary repair and these vehicles will require an additional repair when parts for the final remedy are available.

Note: All other information and details regarding 16145 still apply and the recall will remain in "Incomplete. Remedy not available" status until updated parts are available or in "Open" Status until the recall is closed.

Version	3
Modified	April 26, 2017 – Updated the Warranty Information. May 11, 2017 – Updated the Warranty Information.

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 this information.



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