



Service Bulletin

PRELIMINARY INFORMATION

Subject: Coolant Fan Motor(s) Inoperative or Coolant Fan Motor(s) Noise

Models: 2011-2013 Chevrolet Caprice PPV
Equipped with 6.0L (RPO L77) or 3.6L (RPO LFX) Engine

This PI has been revised to update the Subject, Models, Condition/Concerns, Recommendations/Instructions, Parts Information and Warranty information. Please discard PI1055.

Condition/Concern

Some customers may comment on the coolant fans not working, a coolant fan motor noise and/or growl, engine overheating and/or poor A/C performance.

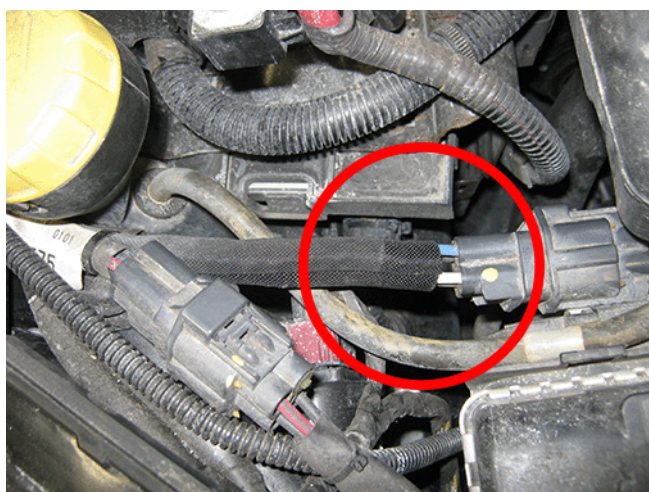
This may be caused by one or more of the following:

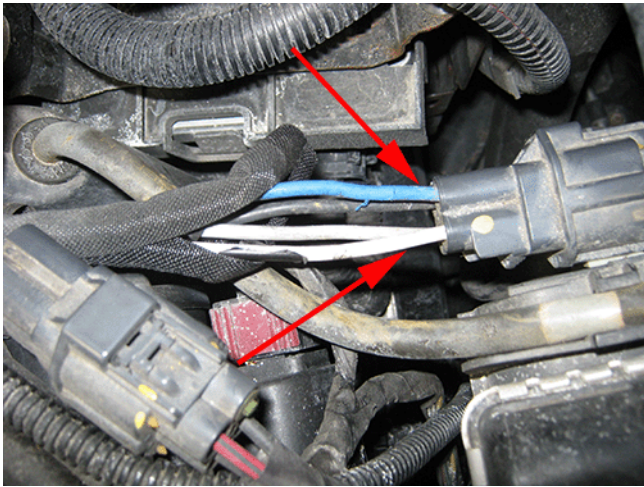
- The coolant fan motor mounting bolts becoming loose.
- The coolant fan motor mounting bolts may be missing.
- The coolant fan motor mounting bolts contacting the fan blade.
- The coolant fan motor current draw is too high.

Recommendation/Instructions

If any coolant fan motor bolts are loose or missing or if the coolant fan motor fuse is blown, replace the coolant fan motor(s). Refer to Engine Coolant Fan Motor Replacement in SI.

If no bolts are loose or missing, or if the fuse is not blown, technicians should measure the coolant fan motor current draw. Check the coolant fan motor(s) current draw using a suitable tool at the wire harness as shown following the steps below:





1. Open the hood and remove the insulation from the coolant fan motor wiring harness as shown above.
2. Start the engine and allow it to reach normal operating temperature.
3. While the engine is running, use a Tech 2 and select: Powertrain>(Engine Option)>Engine Control Module> Special Functions>Output Control>Cooling Fan>Fan Relays 1,2 and 3.
4. Select the "On" soft key to command these 3 relays on and to power up the coolant fan motors on high speed.



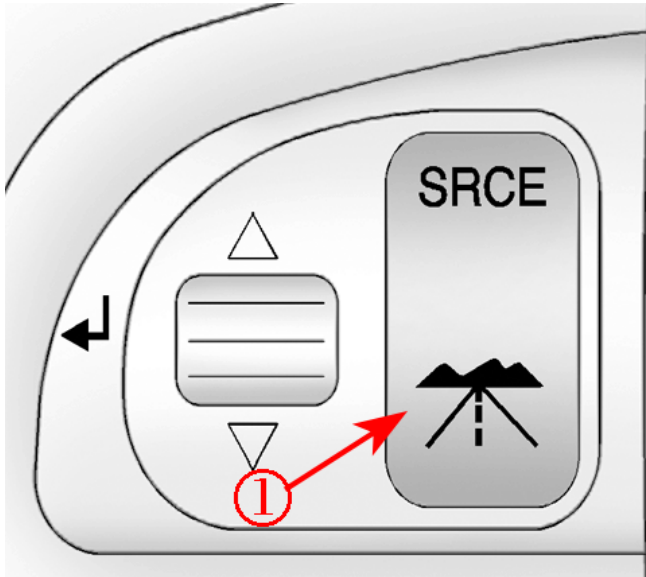
5. Read the current draw of the blue wire.
6. Read the current draw of the white wire.
7. Reinstall the wire harness insulation.

If the fan motor(s) draw more than 26 amps, replace the fan motor(s). Refer to Engine Coolant Fan Motor Replacement in SI.

Note: If the coolant fan motor(s) draw less than 26 amps, do not replace.

Parts Information

Part Number	Description
92251643	BOLT, ENG COOL
22762591(2012-2013)	MOTOR, ENG COOL
92191945 (2011 ONLY)	
15822417	30 AMP FUSE



Note: For 2012-2013 MY only, when submitting the warranty claim, note the engine running and idle hours found in the Driver Information Center (DIC).

1. Press Trip/Fuel button (1) until Engine Run and Engine Idle are displayed.
2. The display will show the total number of hours the engine has run and the total number of hours the engine has been at idle.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4080058*	Inspect Coolant Fan Motor Draw	0.2 hr
4032280	Engine Coolant Fan Motor Replacement	Use Published Labor Operation Time
*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.		

Additional SI Keywords:

Engine overheat, poor A/C performance, growl, blown fuse

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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