



Service Bulletin

PRELIMINARY INFORMATION

Subject: (EREV) Information On Proper Coolant Usage For All Of The Volt Cooling Systems

Models: 2011- 2014 Chevrolet Volt

This PI was superseded to update model years and add a note. Please discard PIP4910B.

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

Condition/Concern

When servicing any of the cooling systems on the Chevrolet Volt, which includes the High Voltage Battery Assembly, pumps, reservoirs, hoses, air separators, radiators, PIM, engine or heater system it is important to use the proper coolant and water mixture.

Recommendation/Instructions

The Power Electronics / Charging and Battery Cooling systems require a 50/50 mix of GM DEX-COOL® and de-ionized water. This mixture is available in a pre-mix with bitterant part number 12378390 US, 10953456 Canada, the pre-mixed coolant is no longer available without the bitterant chemical. Bitterant is a chemical that is added to products to make them smell or taste extremely bitter and is required in some states. If the GM pre-mixed coolant is unavailable during service of the above listed systems make sure to use a 50/50 mix of Concentrated DEX-COOL®: P/N's 12346290 US, 10953464 and DEIONIZED water ONLY. DO NOT use tap water or distilled water.

Chevrolet Volt dealers should stock the GM Premixed Dexcool part number 12378390 US. The GM premixed Dexcool contains a 50/50 mix with deionized water. DO NOT use tap water or distilled water or concentrations other than 50/50.

Note: When filling the battery pack cooling system, make sure to follow proper vac-n-fill procedures and the Hybrid/EV Battery Pack Coolant Bleed Procedure located in GDS2 under HPCM2 control functions.

Important: Use of any other coolants other than the GM recommended premixed coolant may set internal battery loss of isolation faults. If the proper GM premixed Dexcool is not used and there is a current loss of isolation code, you will need to remove the coolant from the hybrid battery cooling system and replace with the proper mix.

When filling the engine cooling system it is preferred to use the same premixed DEX-COOL®: part number 12378390 US, 10953456 Canada, coolant listed above.

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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