



Service Bulletin

TECHNICAL

Subject: Power Steering Noise or Fluid Leak from Power Steering Pump, Gear or High Pressure Hose During Extreme Low Temperature Conditions

Models: 2009-2015 Buick LaCrosse (Equipped with Hydraulic Power Steering)
2010-2013 Buick Regal
2012-2016 Buick Enclave
2013-2016 Buick Encore Equipped with RPO N40 Hydraulic Power Steering
2007-2014 Cadillac Escalade
2009-2016 Cadillac SRX
2013-2016 Cadillac XTS
2007-2014 Chevrolet Avalanche, Silverado 1500, Suburban 1500, Tahoe (Equipped with Hydraulic Power Steering)
2010-2015 Chevrolet Captiva, Captiva Sport (V6 Only)
2010-2015 Chevrolet Equinox (V6 Only)
2011-2016 Chevrolet Silverado 2500/3500
2012-2016 Chevrolet Traverse
2013 Chevrolet Caprice PPV
2013-2015 Chevrolet Tracker, Trax Equipped with RPO N40 Hydraulic Power Steering
2007-2014 GMC Sierra 1500, Yukon Models 1500 Series Only (Equipped with Hydraulic Power Steering)
2010-2016 GMC Terrain (V6 Only)
2011-2016 GMC Sierra 2500/3500
2012-2016 GMC Acadia
2009-2016 Opel Insignia (Equipped with Hydraulic Power Steering)

Attention: This Bulletin also applies to any of the above models that may be Export vehicles.

This Bulletin has been revised to update the Models information and change the power steering fluid. Please discard Corporate Bulletin Number 13-02-32-001C.

Condition

Important: The information contained in this bulletin applies only to the models listed. Pentosin CHF202 fluid cannot be used in any other products power steering system. Ensure the vehicle being serviced is listed in the Models information above.

Some customers may comment their vehicle is experiencing a power steering noise/whine or fluid leak from the power steering pump, gear or high pressure power steering hose during extreme low outdoor temperature operation. This bulletin replaces Bulletin Number 12-02-32-002 as Pentosin CHF202 fluid has improved cold temperature characteristics over the former cold temperature fluid.

Cause

During extremely low temperatures, -35°C (-31°F) or lower (usually in the -40°C/F or less range), the power steering fluid may thicken and the power steering system pressures may rise, causing damage to various components.

Instructions

To resolve this condition, replace any damaged power steering system components. Refer to Power Steering in SI for diagnosing and repairing steering system component fluid leaks.

Flush the power steering system and refill with Pentosin CHF202 fluid. Refer to *Power Steering System Flushing* in SI for proper procedure and expected fluid quantity to be used.

Provide the customer with this information for their records and future maintenance needs.

Parts Information

Pentosin CHF202 fluid can be obtained through a local automotive parts retailer.

Warranty Information

Note: For vehicles that require power steering component replacement, use the appropriate labor operation for the replaced component. Use the unique labor operation only when servicing the fluid to correct a noise concern.

For vehicles repaired under warranty, use:

| Labor Operation | Description | Labor Time |
|--|--|------------|
| 7480008* | Flush and Bleed Power Steering System to Correct Noise Concern | 0.9 hr |
| *This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide. | | |

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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