



Service Bulletin

PRELIMINARY INFORMATION

Subject: (EREV) Whine, Scrape, Whistle Type Noise While Driving

Models: 2011-2015 Chevrolet Volt
2014-2015 Cadillac ELR
2012-2014 Opel Ampera

This PI was superseded to update Recommendation/Instructions. Please discard PIP5081F.

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

Condition/Concern

Some customers may comment on a whistle, scrape or whine type noise while driving that may be more noticeable during regenerative braking.

Technicians may find this noise emanating from the left side of the drive unit (transmission). The tech may also state that the vehicle has a current or history code P0A46.

Recommendation/Instructions

This noise may be caused by a separated electric drive motor B rotor bearing cage. A revised bearing has been released for installation into the drive unit.

It is not necessary to remove the drive unit or motor for this repair. Follow SI (Document ID 2838728) on vehicle service, drive motor rotor bearing replacement procedure.

During repairs inspect the end cover for any abnormal bushing wear, if found the side cover will also require replacement, however if no abnormal wear is found the cover can be reinstalled.

Important: Please ensure that the Special Tools DT-47865 - Bearing Remover and J-45124 - Removal Bridge are used to remove bearing. If proper tools are not used the rotor may be damaged leading to a repeat repair. DO NOT TRY TO PRY OUT.



Important: To install bearing use Special Tools DT-22928-B Seal Installer per SI, as damage may occur if the proper tools are not utilized. Proper bearing orientation is the writing up or visible to technician.



Please also order and replace the rotor shaft seal this could be damage during bearing removal or installation

The side cover must be inspected in the bearing seating area as well as the bushing and resolver area.

THE SIDE COVER AND THE TRANSMISSION COOLER MUST BE FLUSHED TO PREVENT RECONTAMINATION OF THE NEW BEARING.

If the side cover or bushing are found to be damaged replace side cover.

If any debris is on the rotor or side of transmission this should be cleaned/flushed with transmission still in vehicle.

The transmission cooler also must be flushed.

To do this the cooler thermostatic bypass must be removed.

Place failed bearing in a plastic bag as it may be requested back for analysis.

If this vehicle was previously repaired with the new bearing and the noise returned, contact TAC for diagnosis and repair instructions.

Parts Information

Model Year	Part Number	Description	Qty
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2011-2013	24259842	Drive Motor Rotor Bearing	1
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Warranty Information

For vehicles repaired under warranty use:

Labor Operation	Description	Labor Time
8466800	Drive Motor Rotor Bearing Replacement	Use Published Labor Operation Time

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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