Bulletin No.: PIP5081J
Published date: 06/6/2017

Preliminary Information

PIP5081J (EREV) Whine, Scrape, Whistle Type Noise While Driving

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Volt	2011 - 2015	All	All	All	All
Cadillac	ELR	2014 - 2015	All	All	All	All
Opel	Ampera	2012 - 2014	All	All	All	All

Supersession Statement

This PI was superseded to update model years. Please discard PIP5081H.

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.

Recommendations / 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
2011-2015	24259842	Drive Motor Rotor Bearing
2011-2015	24234780	Drive Motor/Generator Rotor Lube Seal

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.

© 2016 General Motors. All Rights Reserved.