

Noises From the Electric Drivetrain When Reversing Slowly

Topic number	LI08.10-P-075764
Version	1
Function group	08.10 - Electrical motor
Date	1/13/23
Validity	MODEL 243, 294, 295, 296 and 297
Reason for change	

Complaint

Noises when reversing slowly < 4 mph (squeaking)

Attachments	
File	Description
Rear Drive Squeal.MOV	

Cause

There is a seal in the electric drivetrain that seals off the coolant system from the electric motor. This seal is moistened with coolant during forward travel. As a result of the change in rotational direction when reversing slowly, it may be the case that this sealing ring is no longer moistened. Squeaking noises may occur as a result of the so-called "stick-slip effect".

This behavior does not impact the function or durability of the sealing ring and electric drivetrain.

Remedy

Do not replace any parts. Explain the cause of the noises to the customer.

Symptoms
Power generation > Engine management > Electric drive > Electric machine > Noise

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note