



TECHNICAL SERVICE INFORMATION BULLETIN

TSIB 26-02 Rev A		Jan 20, 2026
TO:	All Xcelsior Operators	
TITLE:	Proper de-aeration for Allison EGEN Flex Hybrid coolant loops	
APPLICABILITY:	All Allison EGEN Flex hybrid equipped XDE40 and XDE35 buses	

The incorrect filling and de-aeration of any system can lead to component damage. New Flyer has had reports of DTI failures in the Allison EGEN Flex hybrid system due to improper de-aeration. The below process is intended to provide guidance to technicians performing fill and de-aeration procedures after repairs or regular maintenance on that system. It is important to follow these steps to prevent potential DTI failures which may void warranty.

Always perform coolant fill or level check with vehicle parked on level ground and engine off. Lack of coolant in system can damage components when engine is on.

1. Locate the roof top coolant expansion tank as this will be the fill point.
2. With the cooling system in the off state, fill the cooling system with proper coolant until full. Opening of the drain valve may be required to get coolant flowing. Close drain valve immediately after coolant starts flowing.
3. Using the pump switch, located near the inverter cooler, start the cooling system water pump running at its lowest allowable speed while continuing to fill the coolant tank. During this process, the coolant level will drop. Continue to add coolant trying to maintain the coolant level at cold max until constant fluid level is achieved in the expansion tank. Caution should be taken to ensure that you do not over fill the tank beyond hot max.
4. Allow the system to sit for 10 minutes to allow any entrapped air to collect.
5. Repeat steps 3 and 4 until a constant fluid level is achieved in the expansion tank.

NOTE – Check the coolant level before initiating the HV system for the first time post-fill and also after the first drive post-fill. Top up as required.



Direct all inquiries regarding this bulletin to:

Kevin Robinson

*Manager, Vehicle Systems
Service Engineering*

C 204.430.8826

kevin_robinson@newflyer.com

New Flyer