

PARTS MANUAL BULLETIN

This Parts Manual Bulletin is prepared by the Publications Department of New Flyer Industries Canada ULC. Refer to details below.

PMB-052

ISSUE DATE: Jun 23 2023

APPLICABILITY					
VEHICLE LENGTH	<input type="checkbox"/> 30ft.	<input type="checkbox"/> 35ft.	<input type="checkbox"/> 40ft.	<input type="checkbox"/> 60ft.	<input checked="" type="checkbox"/> ALL
VEHICLE TYPE	<input checked="" type="checkbox"/> Xcelsior®	<input type="checkbox"/> MiDi®	<input type="checkbox"/> Invero®		<input type="checkbox"/> ALL
	<input type="checkbox"/> Low Floor	<input type="checkbox"/> High Floor			
FUEL TYPE	<input type="checkbox"/> Diesel	<input type="checkbox"/> Diesel/Electric	<input type="checkbox"/> CNG	<input type="checkbox"/> LNG	<input type="checkbox"/> ALL
	<input type="checkbox"/> Fuel Cell	<input type="checkbox"/> Trolley/Electric	<input checked="" type="checkbox"/> Battery/Electric		
SUBJECT	ESS Drain Valve and Coolant Decals				
SECTION TITLE	SECTION 04, SECTION 06				
DETAILS	<p>This Bulletin provides new part numbers for the ESS Drain Valve and Coolant Decals Installed on your New Flyer Vehicle.</p> <p>Refer to SMB196 for Drain Valve Inspection and Installation Procedures.</p> <p>This bulletin applies to all Xcelsior® Electric models fitted with Next Generation ESS enclosures.</p> <p>This information supersedes all prior information on this subject already provided in your New Flyer Parts Manuals. Make this Parts Bulletin available to service personnel to inform them of changed information.</p>				

⚠ WARNING

Risk of fire
 Do not add coolant prior to inspecting battery coolant circuit for leaks. See coolant fill procedure decal for details.

BATTERY COOLANT LEVEL

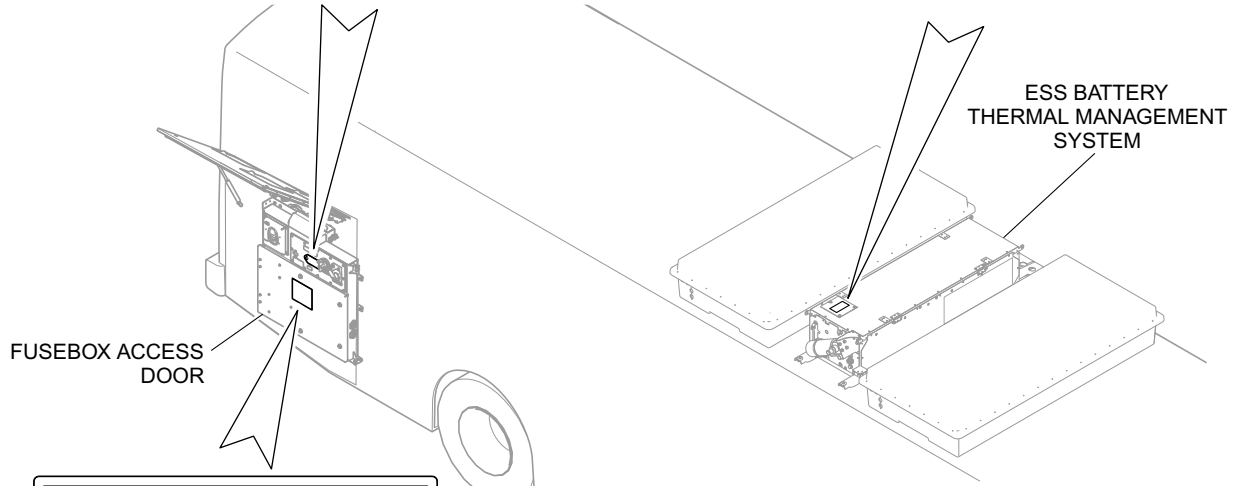
LED COLOR	OPERATION MODE	FILL MODE
GREEN	NORMAL	FULL
AMBER	LOW	LOW
RED	CRITICAL LOW	CRITICAL LOW

PM 101365 REV2

⚠ WARNING

Risk of fire
 Do not add coolant prior to inspecting battery coolant circuit for leaks. See coolant fill procedure decal for details.

PM 101365 REV2



⚠ WARNING

Risk of fire
 Do not add coolant prior to inspecting battery coolant circuit for leaks.

Hot coolant
 Ejects under pressure. After an overheating system shuts down, the hot steam before subsiding. Maximum pressure must not exceed 30 PSI to avoid injury and damage to equipment.

BATTERY COOLANT FILL PROCEDURE

1. Conduct visual internal inspection of each ESS enclosure thru desiccant basket to confirm no liquid is present inside, and external inspection of drains to confirm none have opened. If liquid detected or a drain is found open, DO NOT PROCEED with coolant fill. Immediately investigate and correct root cause of leak.
2. Perform leak test per instructions in service manual. If leak is detected, DO NOT PROCEED with coolant fill. Immediately investigate and correct root cause of leak. Repeat leak test after performing repairs.
3. Connect 24V service batteries to charge.
4. Check HV interlock switch is off. If on, then turn the master run switch to off and then switch the HV interlock to off.
5. Ensure drain cocks are closed, see service manual for drain locations.
6. Switch the 24V battery shut-off to on.
7. On the driver's side console, set the master run switch to dip run.
8. Open the 1/4 turn vent valve attached to the clear vent line, located in the rear carbide preparation compartment beside the pressure fill port.
9. Place a clean bucket under the 1/4 turn vent valve near the pressure fill location.
10. Connect pressure fill hose to the coupler located at the bottom rear carbide corner.
11. Fill the system until the coolant level display on the low voltage bus bar indicates full or a steady stream of coolant comes out the clear vent line into the bucket. Disconnect pressure fill hose.
12. Turn on the battery coolant fill mode on the LV toolbar.
13. Maintain the coolant level at full on the display. Disconnect pressure fill hose when not filling to prevent back-filling of filling device.
14. The fill mode will run for 30 minutes after the last critical low coolant indication to de-aerate the system. The fill mode will turn itself off once the time has been reached.
15. Verify the coolant level display is displaying full level.
16. Close the 1/4 turn vent valve located near the pressure fill port.
17. Remove pressure fill tool, battery charges, and return master run switch and 24V battery shut-off to off position.

PM 101365 REV2

2 of 3

The New Flyer vehicles described in this manual may be protected by one or more patents and design applications or registrations in the United States and Canada, and in other countries. Refer to "Vehicle Patent Information" in this manual.
 Copyright © 2023 New Flyer Industries Canada ULC

PMB-052



NEW FLYER®

PARTS MANUAL BULLETIN PMB-052 ESS DRAIN VALVE AND COOLANT DECALS

PT00115586A

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	1013621	Decal, ESS Coolant Level
2	1	1013826	Decal, Warning Risk Of Fire
3	1	1013620	Decal, Battery Coolant Fill
4	4	1025289	Drain Valve, ESS Enclosure