



SERVICE MANUAL BULLETIN

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

SMB-137

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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 type="checkbox"/> High Floor	<input checked="" type="checkbox"/> Low Floor	<input type="checkbox"/> Invero®	<input checked="" type="checkbox"/> Xcelsior®	<input type="checkbox"/> ALL
FUEL TYPE	<input type="checkbox"/> Diesel	<input type="checkbox"/> Electric	<input checked="" type="checkbox"/> CNG	<input type="checkbox"/> LNG	<input type="checkbox"/> ALL
	<input type="checkbox"/> Diesel/Electric	<input type="checkbox"/> Gas/Electric	<input type="checkbox"/> Fuel Cell		
SUBJECT	Fire Suppression & Gas Detection Preventive Maintenance				
SECTION TITLE	PM - PREVENTIVE MAINTENANCE				
DETAILS	<p>This bulletin provides recently revised OEM information and clarifies the maintenance procedures and intervals required for the Fogmaker Fire Suppression System & Gas Detection System installed on your New Flyer vehicle.</p> <p>This information supersedes any prior information on this subject already provided in your New Flyer Service Manuals. Make this Service Bulletin available to service personnel to inform them of changed information.</p>				

1. Daily Preventive Maintenance

1.1. Fire Suppression & Gas Detection System

Confirm proper operation of the Fire Suppression & Gas Detection display panel. Ensure that the green "SYSTEM OK" LED indicators are illuminated for both the fire detection and methane detection systems and that the orange "SERVICE REQUIRED" LED indicators are not illuminated. Test the audible alarm for each system by pressing and holding the appropriate button for four seconds.

2. Weekly Preventive Maintenance

2.1. Fire Suppression & Gas Detection System

Visually inspect the fire suppression and gas detection components, located within the engine compartment, for damage. Ensure that all distribution lines, nozzles, gas sensors, detection tubes, and electrical connectors are intact and securely mounted.

3. Six Month Preventive Maintenance

3.1. Fire Suppression & Gas Detection System

Inspect the fire suppression & gas detection system every six months as follows:

1. Check all equipment mounts and extinguisher and detector cylinders for mechanical or vibration damage.
2. Check that all cylinder equipment labels are intact and legible. Replace as required.
3. Check all cylinder valves, couplings and connectors for damage, corrosion or leakage. Tighten all connections as required. Pressure test the system if leakage is suspected.
4. Check extinguisher cylinder condition and pressure. Ensure that manometer reading

is between 90 and 110 bar (1305 and 1595 psi). Contact Fogmaker if reading is outside of this range. Record reading on inspection label.

5. Check detector cylinder condition and pressure. Ensure that manometer reading is between 20 and 24 bar (290 and 348 psi). Contact Fogmaker if reading is outside of this range. Check detector tube for correct routing and damage. Check conduit for damage and pinching. Ensure all detector tube identification labels are installed.
6. Check all hoses for damage, such as cracks, breaks or wear which could lead to leakage.
7. Check all nozzles are installed. Replace as required.
8. In the engine compartment, disconnect the electrical connector to either the detector cylinder or the extinguisher cylinder. Confirm that the engine cannot be started with the plug disconnected. Reconnect the plug.
9. Test the operation of the display panel and gas sensors. Use Fogmaker test kit #FM-US-400035. Do not expose gas sensors to liquids or chemicals.

4. Five Year Preventive Maintenance

4.1. Fire Suppression System

Every five years, drain and refill the fire suppression system extinguisher cylinder. Refer to Fogmaker Manual No. 8015-002 for drain and refill procedure. This manual has been supplied with this bus build. Observe all required cautions and warnings when performing procedure.

5. Ten Year Preventive Maintenance

5.1. Fire Suppression System

Every ten years, send the fire suppression system extinguisher cylinder to Fogmaker North America for cylinder rebuild.