



NEW FLYER®

SERVICE MANUAL BULLETIN

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

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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"/> Xcelsior®	<input type="checkbox"/> MiDi®	<input type="checkbox"/> Invero®	<input checked="" type="checkbox"/> ALL	
	<input type="checkbox"/> Low Floor	<input type="checkbox"/> High Floor			
FUEL TYPE	<input checked="" type="checkbox"/> Diesel	<input type="checkbox"/> Diesel/Electric	<input checked="" type="checkbox"/> CNG	<input checked="" type="checkbox"/> LNG	<input type="checkbox"/> ALL
	<input checked="" type="checkbox"/> Fuel Cell	<input type="checkbox"/> Trolley/Electric	<input type="checkbox"/> Battery/Electric		
SUBJECT	Battery System, Jump Charging/Starting				
SECTION TITLE	9 - ELECTRICAL SYSTEM				
DETAILS	This bulletin provides a procedure for jump starting batteries that have been over discharged on your New Flyer Vehicle.				
	This bulletin supersedes all 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.				

1. Jump Charging / Starting



The following procedure only applies to the system batteries that use a 24 volt start system.

DO NOT attempt to jump charge roof-mounted batteries used on Hybrid vehicles as batteries are high voltage and could result in serious injury.

 **NOTE:**

If voltage across batteries measures less than 21.0 volts, recharge batteries with conventional battery charger.

1.1. Description

Jump charge the batteries before jump starting the vehicle. This allows the batteries to recover from an over discharged state to approximately a 20% state of

charge. Use a jump start unit or a vehicle specifically equipped with a jump charge/jump start system.

1. Gain access to the jump start connector or the batteries to be charged.
2. Connect jump start cables from charging unit to jump start connector.

 **NOTE:**

If the vehicle does not have a jump start connector, connect jumper cables from the charging unit to the batteries. ALWAYS connect the positive cable first.

3. Run the jump charge unit for 5 to 10 minutes.
4. When battery is at an approximate charge of 20% jump start the vehicle.
5. Run the vehicle engine on high idle for 5 minutes.
6. Disconnect the jump charge/start unit.