



## INSTRUCTION TO SERVICE

<b>ITS: 6358</b>	
<b>SECTION:</b>	260 Battery Compartment
<b>WRITTEN BY:</b>	Alan Mark
<b>SUBJECT:</b>	Rewire voltage regulator power

# ITS6358

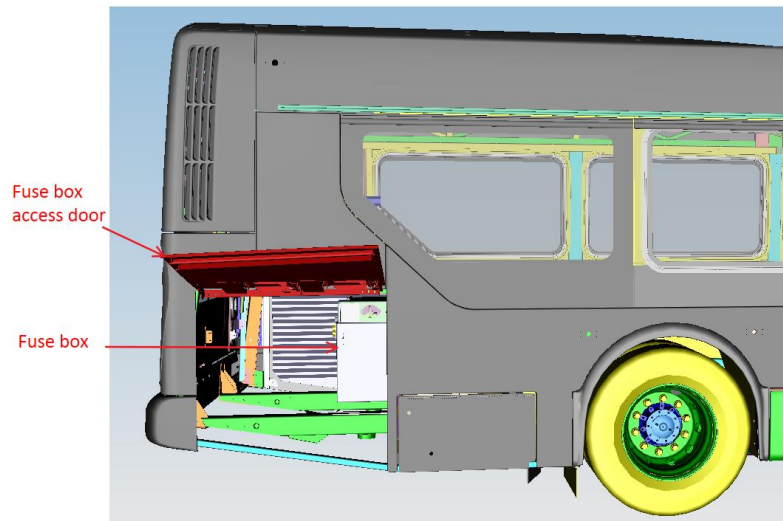
THIS DOCUMENT AND THE CONTENTS DISCUSSED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY INFORMATION OF NEW FLYER INDUSTRIES CANADA ULC AND NEW FLYER OF AMERICA INC. AND ARE DISCLOSED BY NEW FLYER IN CONFIDENCE. THIS DOCUMENT AND THE CONTENTS HEREIN ARE NOT TO BE DISCLOSED BY THE INTENDED RECIPIENT WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF NEW FLYER. ANY UNAUTHOIZED DISCLOSURE, REPRODUCTION OR OTHER DISTRIBUTION OF THIS DOCUMENT OR INFORMATION IS STRICTLY PROHIBITED AND MAY RESULT IN ACTION BEING TAKEN AGAINST THE PARTY MAKING THE UNAUTHORIZED DISCLOSURE. THIS DOCUMENT AND ALL COPIES HEREOF MUST BE RETURNED TO NEW FLYER UPON REQUEST.

**PURPOSE:**

To rewire the voltage regulator power from the battery side to the load side of the battery disconnect switch to prevent equipment from being damaged if a severe load dump occurs.

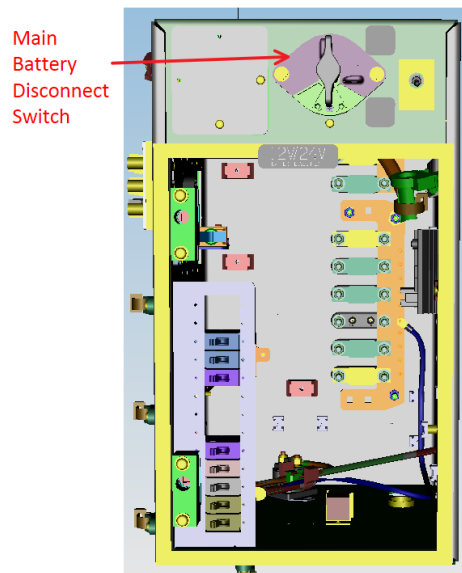
**PROCEDURE:**

1. Turn the main battery disconnect switch to the “OFF” position.

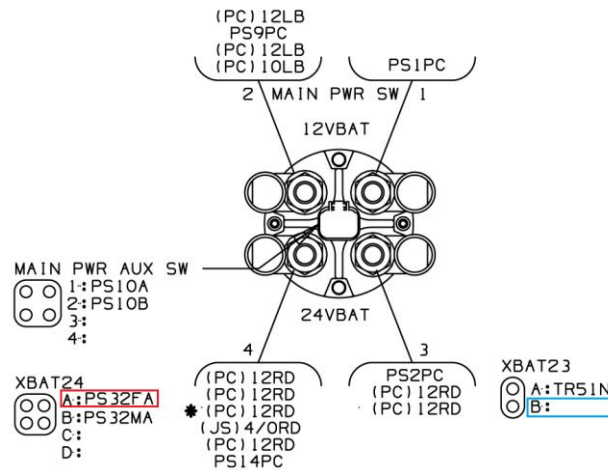


**Figure 1: Fuse box location (curb side view)**

2. Locate and gain access to the engine fuse box by opening the access door as shown in Figure 1.

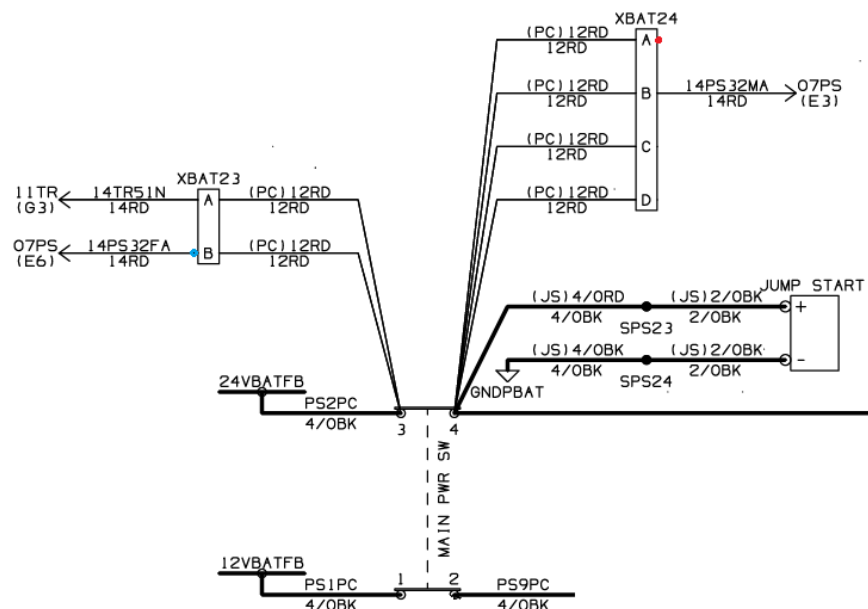


**Figure 2: Fuse box main battery disconnect switch**



**Figure 2: Battery disconnect switch wiring diagram**

3. Locate the connector XBAT24 on the main battery disconnect switch within the fuse box. Figure 2 shows the location.
4. Remove the wire labeled “PS32FA”.
5. Cut off the existing terminal and re-terminate with the provided socket (PN: 102879).
6. Locate the connector XBAT23 and insert the newly terminated wire into cavity B of the tower. Figure 3 displays the resulting electrical schematic.
7. Remove all tools and debris and return the bus to service condition.
8. Turn the main battery disconnect switch to the “ON” position.



**Figure 3: Electrical schematic**



**NEW FLYER**

### LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Rewire voltage regulator	1	0.25	0.25

### PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	102879	SOCKET-16-14GA W/PACK	1	EA	