



INSTRUCTION TO SERVICE

ITS: 60986		March 25, 2024
SECTION:	260-BATTERY COMPARTMENT	
WRITTEN BY:	Ilan Kizner	
SUBJECT:	Rework - Route LV harness away from auxiliary heater Fuses	
SUMMARY:	this ITS provides instructions on how to relocate the connectors inside the Rear HV Electrical Box to avoid any potential interfere with the fuses. the following instructions apply for assembly's: 939278, 939714, 940965, 943709, 981577, 895068, 897426, 913723 and 929873	

ITS60986

THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE NEW FLYER PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.



Contents

INSTRUCTION TO SERVICE	1
1. SAFETY PROCEDURE	3
2. Rework Instructions – for Assembly 939278	4



NEW FLYER

⚠ WARNING: Only trained personnel shall supervise and perform High Voltage system testing, checkout and troubleshooting. Two personnel (one called the Checker & the other called Monitor/Recorder) shall perform Checkout Procedures, together, to ensure safety of themselves, others nearby & for the protection of vehicle & property. Refresher training shall be provided to these personnel on a regular basis and when new systems are to be checked by them. The training of the personnel shall consist of:

1. SAFETY PROCEDURE

- 1.1. Turn the master run switch to the off position and wait 5 minutes before proceeding.
- 1.2. Turn the 12/24V battery disconnect and HV Interlock switch to the "OFF" position.
- 1.3. Lock and tag the electrical system of the bus out and retain the key. See Figure 1.
- 1.4. Install a Lockout/Tagout Steering wheel cover as require.

- ☞ **NOTE:** Refer to the Lockout/Tagout Procedure in section 1 of your Preventive Maintenance Manual or section 9 of your Service manual for additional information.
- ☞ **NOTE:** Use commercially available lock out equipment and tags being sure to follow any local laws or workplace procedures.
- ☞ **NOTE:** Refer to New Flyer High Voltage Safety Guidelines and Procedures Document 532295 when completing installation or service work on high voltage power cables.

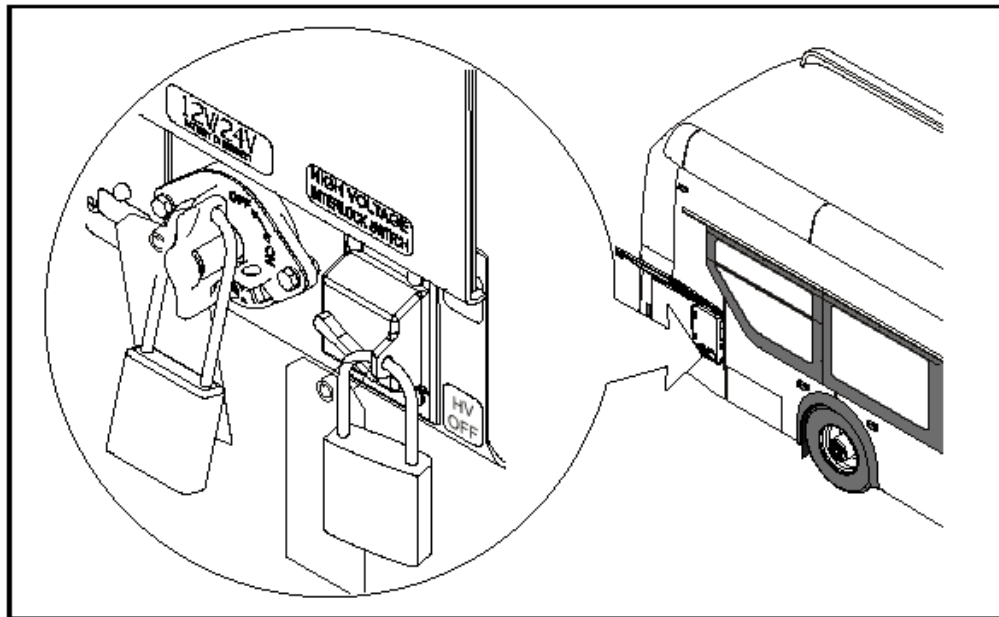


Figure 1: Lockout tagout location reference

2. Rework Instructions – for Assembly 939278

- 2.1. Locate the Eng DC Link Dist Box, located at the rear engine compartment.
- 2.2. Remove the Distribution box cover.
- 2.3. Locate connector AUXHTR PWR CONTACTOR-SHR. Shown in figure 1. Pull the connector back toward the limit switch as per figure 2 and secure to the harness using Tyrap- 5962614.
- 2.4. Locate connector XBBEP16, Shown in figure 1. Pull the connector back away from the fuses toward the limit switch as per figure 2 and secure to the harness using Tyrap- 5962614.

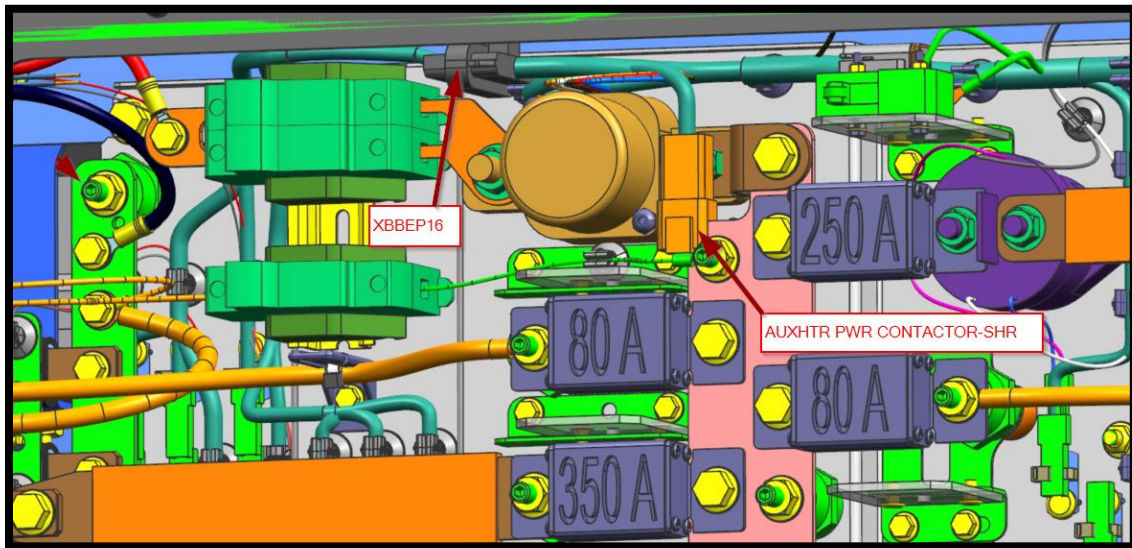


Figure 1-location of XBBEP16 and AUX HTR connectors

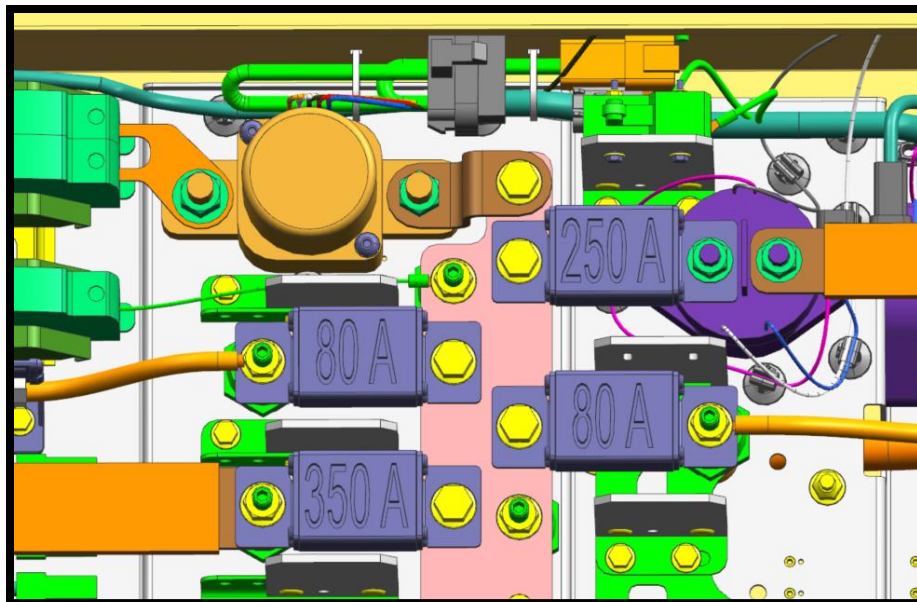


Figure 2-Location of connectors after rework



LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Rework – Relocate XBBEP16 and AUXHTR PWR connectors	1	1	1

PARTS REQUIRED					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	5962614	TYRAP-4.0 BLACK	2	EA	