



INSTRUCTION TO SERVICE

IT61290		March 10 2025
SECTION:	290-ELECTRICAL SCHEMATICS 292-ELECTRICAL HARNESSES 296-ELECTRICAL DECALS	
SUBJECT:	Add connection between Node 04 & 24V.	
ISSUE:	<p>This was originally required for the Depot charging to communicate with the modem and wake up the bus when charging could be started. When XHE's came along, Freeze protection was added and made use of this existing alive module.</p> <p>With the implementation of the EVCC charging system, there was no longer a requirement to keep Node 4 alive. Unfortunately, there was nothing directly linking the Freeze protection to this requirement on the schematic. And thus, we put Node 4 back to the normal PLC awake signal.</p>	
SUMMARY:	Create a connection between Node 04 and rear panel 24V	

ITS61290

Ref. NHTSA Recall No.	Ref. Transport Canada Recall No.
Not Applicable	Not Applicable

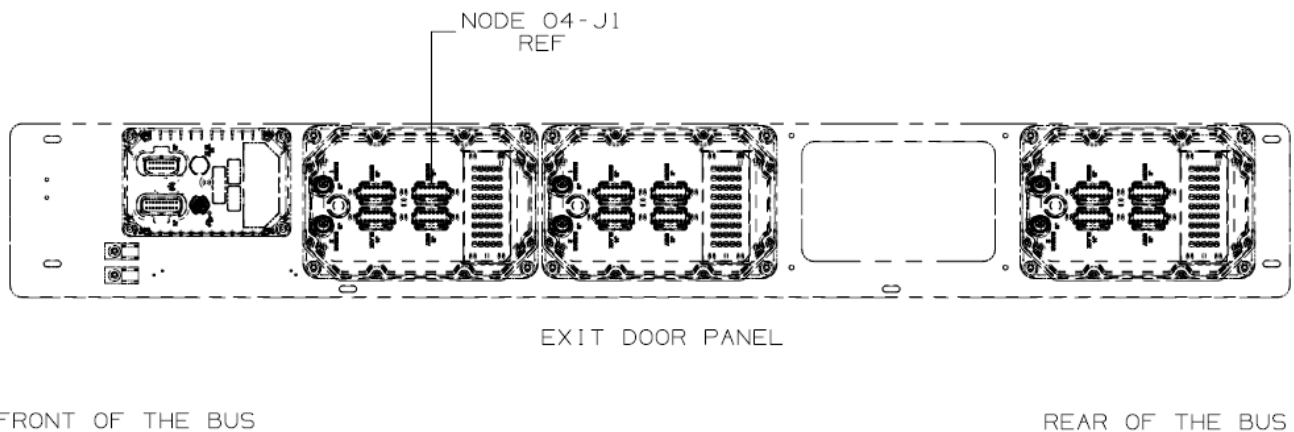
THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE NEW FLYER PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.

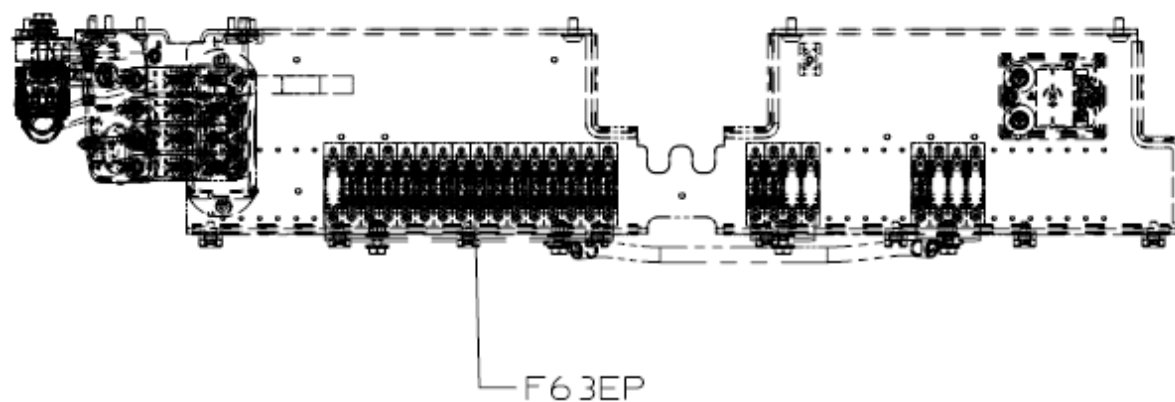
PROCEDURE (Safety):

1. Turn the MRS to the off position and wait 5 minutes before proceeding to the next step.
2. Turn the main battery disconnect and HV interlock switch to the “OFF” position.
3. Perform the Lock Out Tag Out procedure.
4. Perform the applicable de-energizing procedure before moving to the next step in this ITS

PROCEDURE (Attach Node 04 to 24V):

1. Locate HRNS-RH Options RR from INSTL-HRNS RH Option RR, REF 292-XXXXC line item 54.
2. Locate existing “NODE 04-J1-3” in Exit Door Panel. Unplug and cap wire 54PN04K using Item 2.
3. Locate “F63EP” at the Rear Panel. Using supplied jumper (Item 1):
 - a. Load jumper end “F63EP-2” into Cavity 2 of F63EP in the rear panel.
 - b. Route and connect the other end of the jumper to cavity 3 of “NODE 4-J1” in the exit door panel.
4. Secure the harnessing along the existing harness routing paths.





REAR PANEL

LABOUR ESTIMATE

	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Attach Node 04 to 24V	1	1	1

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	1119978	HRNS-JMPR NODE 4 KEEP ALIVE CIRCUIT	1	EA	
2	8111672	END CAP .093BK-16PVC	1	EA	