INSTRUCTION TO SERVICE

ITS-60877	12/05/2023
SECTION:	260 - Battery Compartment
WRITTEN BY:	Michael Rooney
SUBJECT:	Relocate rear impact sensor in baggage bay three.
ISSUE:	Luggage in the baggage bay can cause the impact sensor to activate.
SUMMARY:	Relocate the impact sensor and wiring.

ITS-60877

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:

1. Set the park brake and chock wheels.
2. Turn the main battery disconnect switch to the “OFF” position.
3. Open the door on baggage bay number three.
4. Locate the junction box located in the baggage bay and open the junction box door.
5. Locate the accelerometer at the bottom street side of the Junction box.
   a. Disconnect the 8 pin electrical connector at the accelerometer.
   b. Remove the screws used to secure the accelerometer then remove the accelerometer and set it and the mounting screws aside.
6. Remove the accelerometer harness from the junction box.
   a. Disconnect the Jumper Data Cable at the Accelerometer Harness then remove the Jumper Data Cable and set it aside.
   b. Disconnect the accelerometer harness ground wire at the terminal block next to where the accelerometer was previously installed.
   c. Disconnect the accelerometer harness wire coded RJDP-T3B at RJDP-J3.
   d. De-pin the accelerometer harness wire coded ISR EVT-STO at RJ-P273 Pin #9.
   e. De-pin the accelerometer harness wire coded ISR EVT- ACT at RJ-P271 Pin #6.
   f. Remove the accelerometer harness from the Junction box.

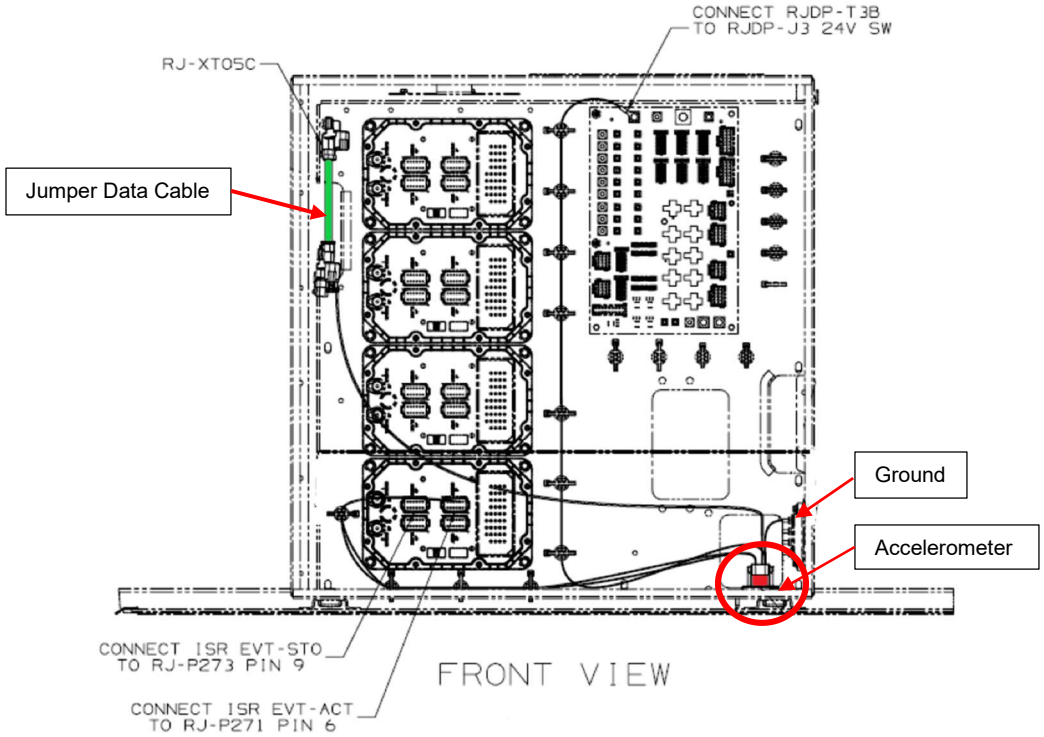

Figure 1: Existing Accelerometer & Accelerometer Harness Installation.

7. Locate the transverse frame member at the top of the baggage bay near the center on the curbside. Figure 2.

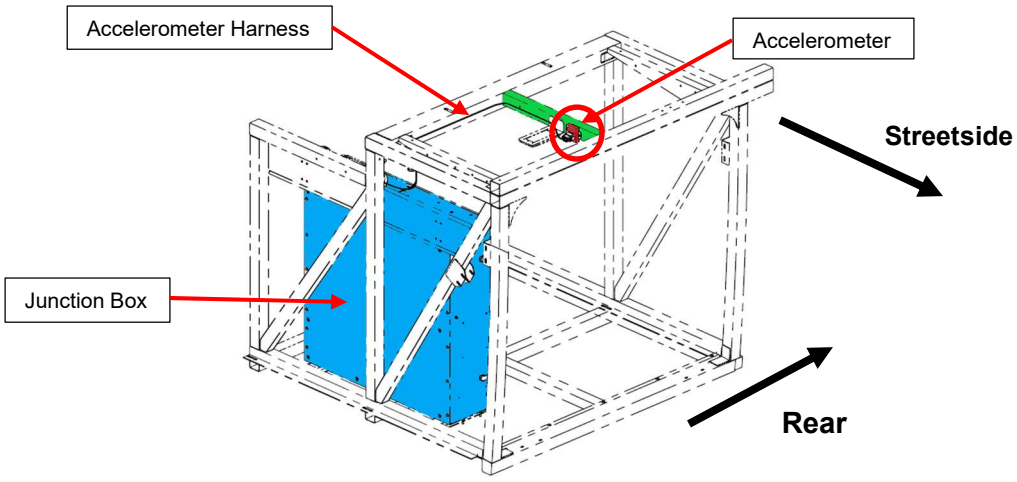

Figure 2: New Accelerometer Mounting Location.

8. Drill two 0.149” Dia mounting holes in the forward face of the frame member at the locations shown in Figure 3.
   a. Mount the accelerometer removed and set aside earlier to the frame member using the original mounting screws set aside earlier. Orient the accelerometer such that the LED light is pointed downward. Torque screws to 23 Inch – Lbs.

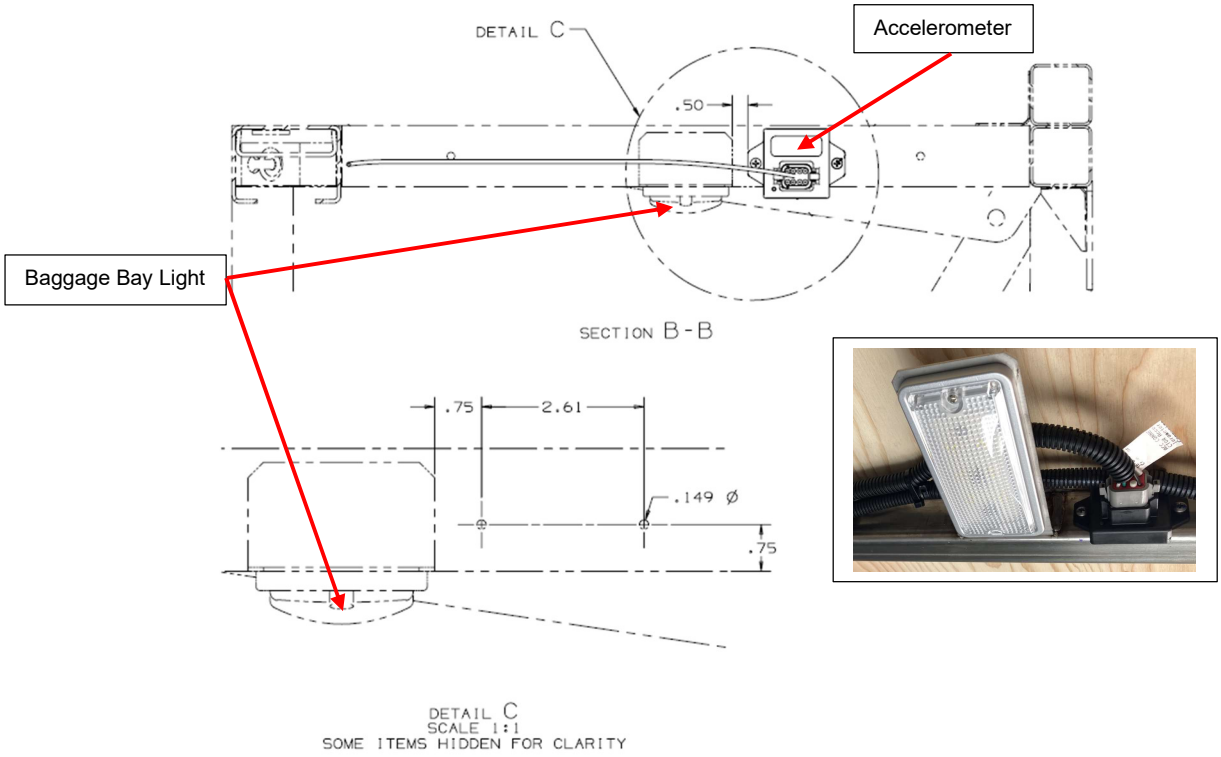

Figure 3: Drilling Locations for Accelerometer Mounting Screws.

9. Plug the 8 pin connector on the accelerometer harness P/N 1039406 into the accelerometer.
10. Route the accelerometer harness along the existing harnesses to the junction box as seen in Figure 2. Secure the harness as needed with tyraps NF P/N 5958112.
11. Inside the junction box, route the harness as seen in Figure 4.
    a. Reinstall the Jumper Data Cable removed earlier. Connect the end of the Jumper Data Cable to the “T” Connector on the Accelerometer harness. Connect the other end of the Jumper Data Cable to RJ-XT05C.
    b. Connect the ring terminal on the ground wire of the accelerometer harness original ground location on the terminal block next to where the accelerometer was previously located.
    c. Install the pin on the wire coded ISR EVT - STO in the RJ - P273 Pin #9 connector location.
    d. Install the pin on the wire coded ISR EVT – ACT in the RJ – P271 Pin #6 connector location.
    e. Install a 5A fuse NF P/N 07-08-1057 in location F6 on the distribution board.
    f. Install the pin on the wire coded ISR Power in the RJDP-P44 Pin #3 connector location.
    g. Bundle the accelerometer harness with the existing harnesses and secure with tyraps NF P/N 5958112.

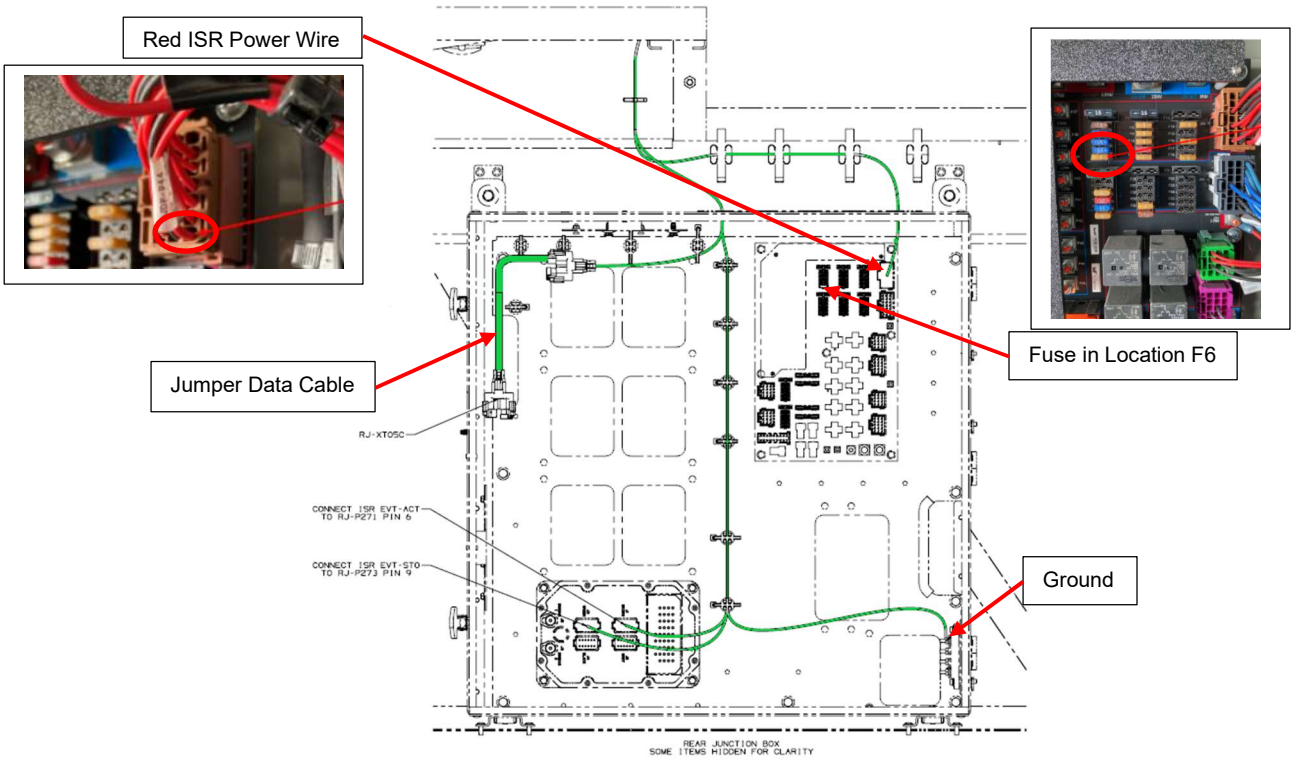

Figure 4: New Accelerometer Harness Installation in Junction Box.

12. Remove all tools and debris from work area to return coach to service.
13. Close and secure the junction box door.
14. Close and secure the baggage bay number three door.
15. Turn the main battery disconnect switch to the “ON” position.
16. Load the updated version of the PLC program available from your local Regional Product Support Manager.

LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Relocate Accelerometer & Replace Wire Harness	1	1.5	1.5

PARTS REQUIRED					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	1039406	HRNS-ACCELEROMETER, BB3	1	EA	
2	07-08-1057	FUSE – MINI 5A	1	EA	
3	5958112	TYRAP – 7.0 BLACK	10	EA	

SPECIAL TOOLS REQUIRED					
Item	Part Number	Description	Qty.	Units	Notes
1		NO SPECIAL TOOLS REQUIRED.			