



INSTRUCTION TO SERVICE

ITS: 60907		January 12, 2024
SECTION:	580-WHEELCHAIR RAMPS	
WRITTEN BY:	Ilan Kizner	
SUBJECT:	Inspection - MCI Braun WCL incorrect wiring.	
SUMMARY:	Inspect WCL wiring and rework accordingly	

ITS60907

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.



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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. Instructions

2.1. the following instruction come as a guide from the wheelchair lift manufacturer after several wiring discrepancies were found during production. These instructions will apply to both to the 54” and 78” wheelchair lifts (P/N-22-02-0250 and P/N-22-01-0175).

2.2. BRAUN ramp control box

2.2.1. Remove the wheelchair lift control box cover and inspect the wheelchair lift control box main connector. Check wiring on pins N, M and P. see figure 2 for additional details.

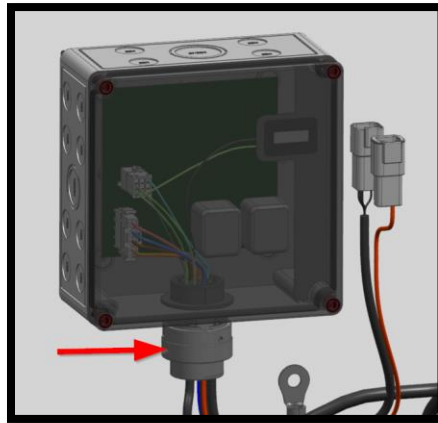


Figure 1 - WCL control box

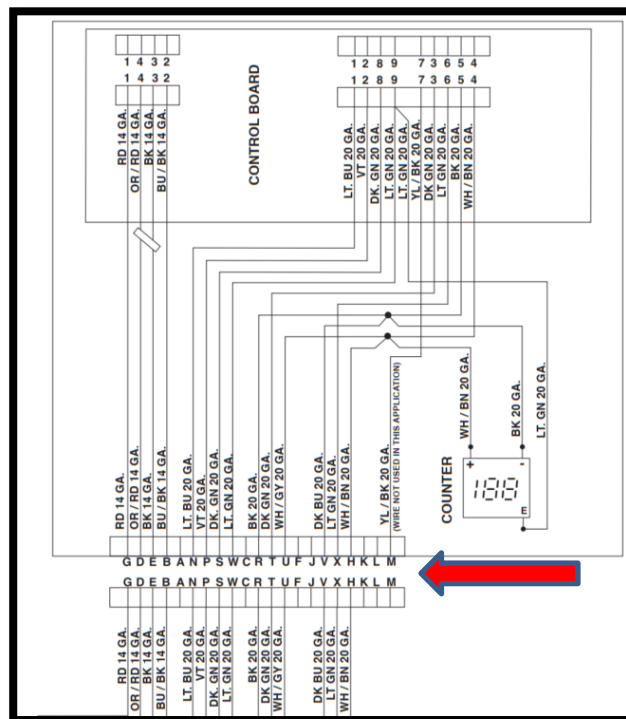


Figure 2 - control box main connector

2.3. Deploy and stow proximity sensors.

2.3.1. It was noted that also the deploy sensors might also be wired incorrectly.

2.3.2. To access the left side sensor plugs, enter via Baggage Bay 2 (street side) and remove the WC RAMP HARNESS ACCS panel Shown in figure 3.

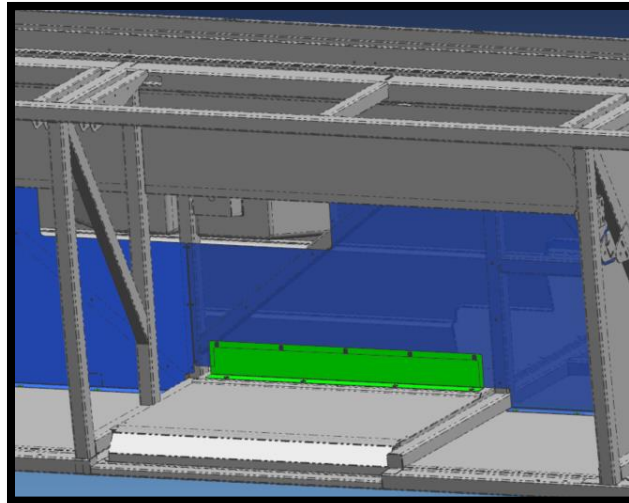


Figure 3 - WC Access Panel

2.3.3. Make sure the connector wiring is aligned with the wire code shown in the figure 4.

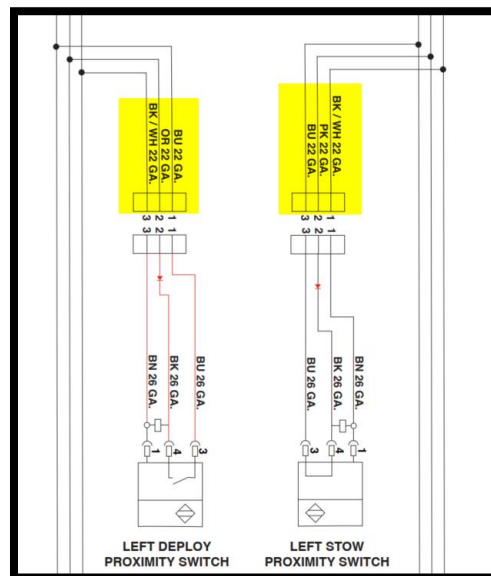


Figure 4-Left deploy and stow connectors.

2.3.4. To access the right side sensor plugs, enter via Baggage Bay 2 (street side) and remove the panel shown in figure 5.



Figure 5 - RH side panel

2.3.5. Make sure the connector wiring is aligned with the wire code shown in the figure 5.

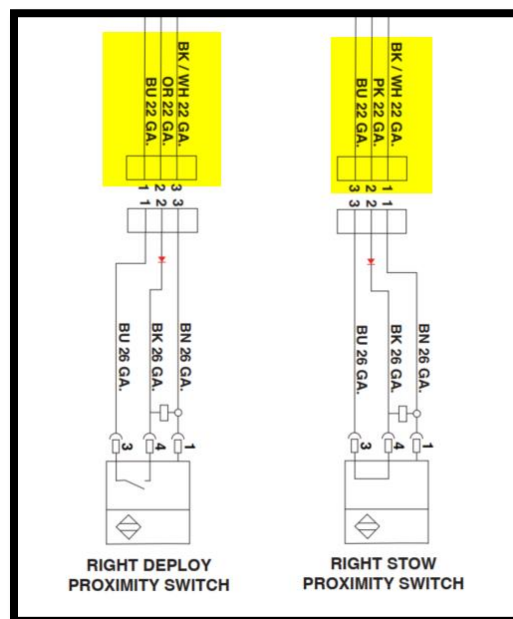


Figure 6 -Right deploy and stow connectors.

