Reliability Driven®

Service Bulletin No. 3105

MODEL	TYPE	SECTION/GROUP	DATE
J4500	Service Information	7-Electrical	June 23, 2017

SUBJECT

BRAUN WHEEL CHAIR CABLE CORROSION

CONDITIONS

Service Information Only

Description:

MCI has released this service information bulletin to inform customers to routinely inspect the wheelchair power circuit breaker and cable connections for corrosion.

This information is applicable to customers operating J4500 series coaches equipped with a Braun wheel chair lift between the range of, and including, unit numbers 65155 to 68042.

NOTICE

Inspect the wheelchair power circuit breaker and cable connections for corrosion every 6000 miles / 9000 km.

A terminal protector should be applied after every inspection.

1. Turn the main battery disconnect to the OFF position.
2. Chock both sides of the tires.
3. Open the curbside rear, side service compartment door. Fully extend compartment door to secure in the open position.
4. Locate the wheelchair power circuit breaker and cable connections shown in Figures 1 and 2.
5. Remove and retain the circuit breaker protective cover and mounting hardware to be re-installed at a later step in this procedure (refer to Figure 1).

NOTICE

The red protective boot cover will have to be displaced to properly inspect the routed end of the cable.

6. Perform a visual inspection of the wheelchair power circuit breaker and both routed ends of the cable connections for evidence of corrosion.

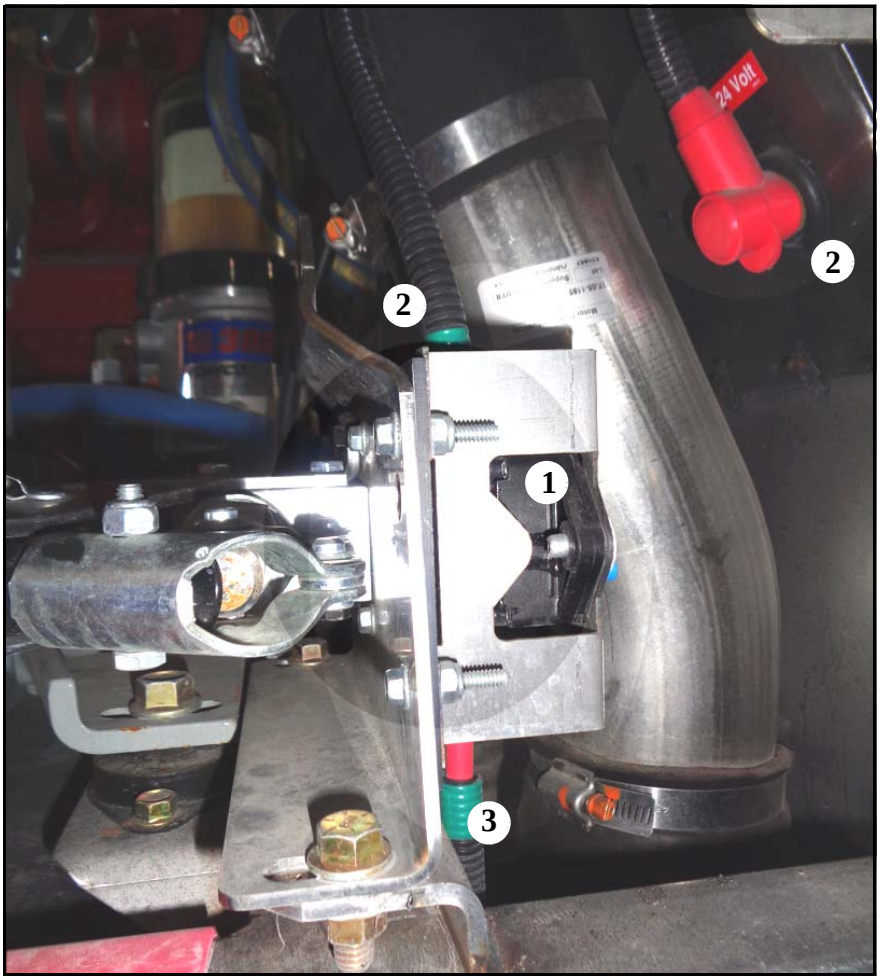

Figure 1. Wheel chair lift circuit breaker with protective cover.

Item	Figure 1 Description
1	Circuit breaker with protective cover
2	Upper cable routed from circuit breaker to Aux power stud
3	Lower cable routed from circuit breaker to 24V power stud

Figure 2. Lower cable from circuit breaker routed to 24V power stud.

Item	Figure 2 Description
3	Lower cable routed from circuit breaker to 24V power stud

NOTICE

If no corrosion is present upon visual inspection, no further action required. Spray a terminal protector on the cable ends. Re-install the red protective boot covers and the circuit breaker protective cover. Tighten screws to secure. Close the curbside rear, side service compartment door.

If corrosion is present upon visual inspection, proceed to Step 7.

7. Remove the cables from the circuit breaker. Using a stiff wire brush and a 50/50 mixture of baking soda and warm water, clean the cable connections and the circuit breaker posts.
8. Inspect the cable insulation for degradation. Replace if the cable insulation or cable terminals are damaged.
9. Inspect the circuit breaker for indications of overheat. Replace the circuit breaker if overheating signs exist.
10. Spray a terminal protector on the cable ends.
11. Orient and re-install the cables. Tighten nut to secure installation.
12. Re-install the red protective covers and the circuit breaker protective cover.
13. Close the curbside rear, side service compartment door.

Procedure Complete.