NEW FLYER

INSTRUCTION TO SERVICE

ITS: 58698	
SECTION:	260 Battery Compartment
WRITTEN BY:	Michel d'Auteuil
SUBJECT:	Install Prox. Switch on CS and SS Charge Doors

ITS-58698

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PROCEDURE:

1. Turn the main battery disconnect switch to the “OFF” position.

Street-side Plugin Charge Receptacle

2. Gain access to street-side plugin charge receptacle.
3. Align the supplied BARCKET-PROX SWITCH (PN 808425) with the existing charge receptacle as seen in Figure 1 and use the pair of holes on the new bracket as a guide to drill holes in the existing bracket.

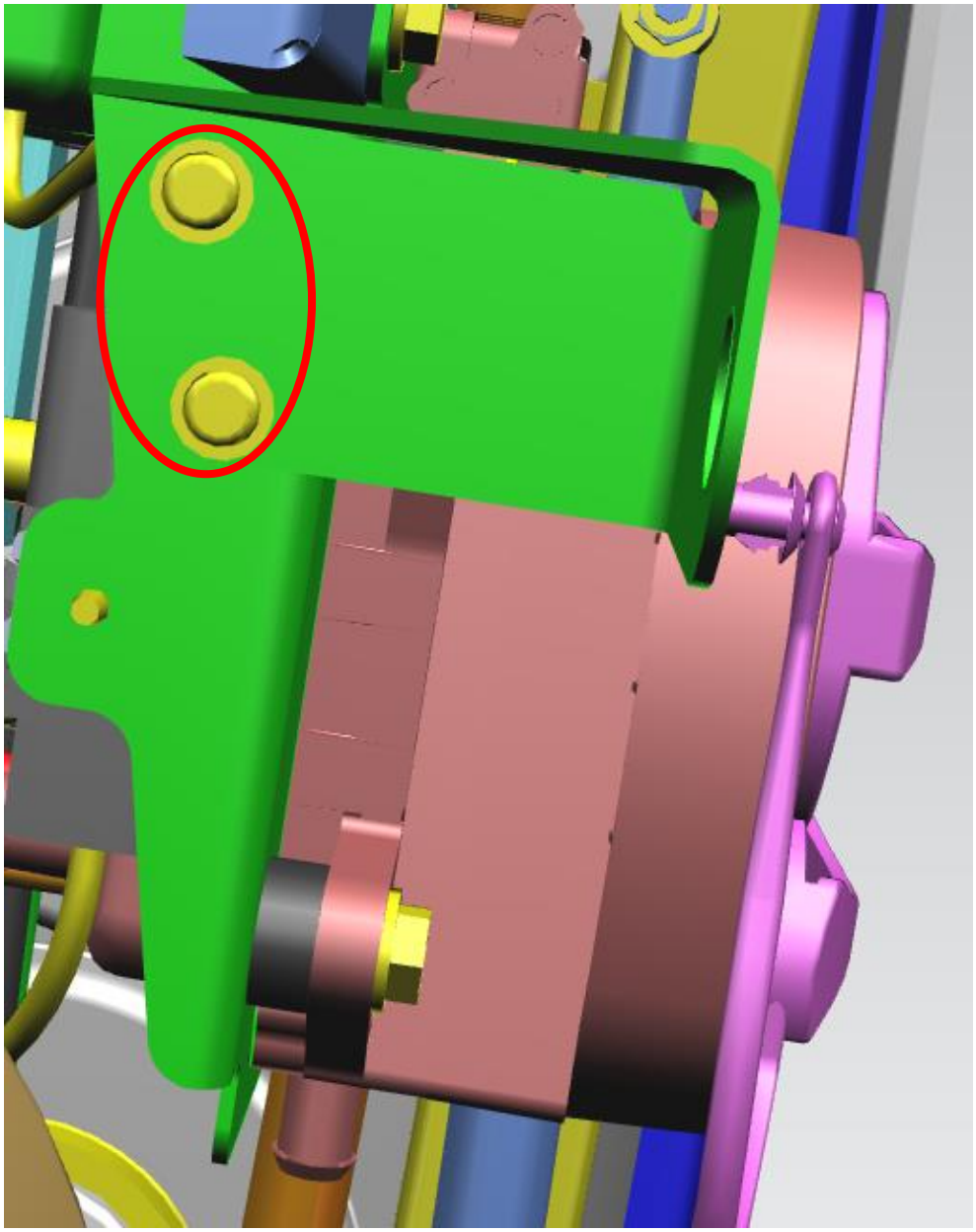


Figure 1: New bracket alignment

4. Install the new bracket (PN 808425) onto the existing charge receptacle bracket in the newly drilled holes using the supplied screws (PN 14S00012), washers (PN 50W00000), and nuts (PN 42N00000) with the stack up shown in Figure 2.

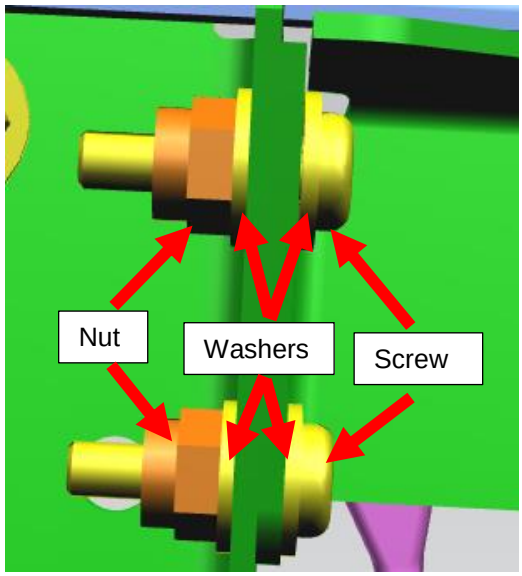


Figure 2: New bracket stack up

5. Install ASSY-PROXIMITY SWITCH (PN 122824) into the large remaining open hole in the new bracket (PN 808425) as shown in Figure 3.

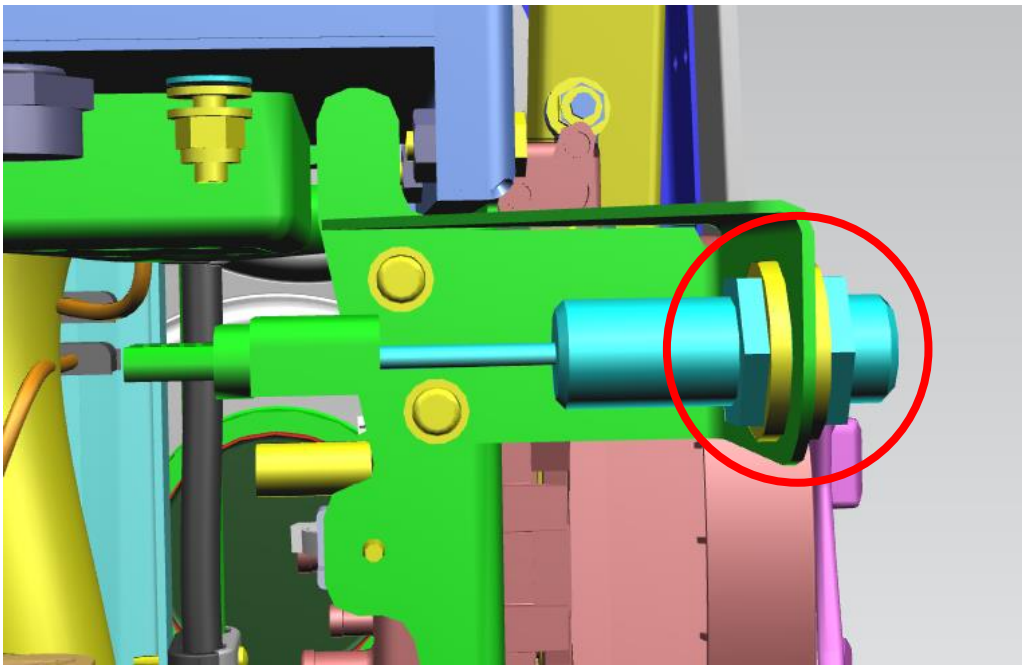


Figure 3: Prox. switch installed through new bracket

6. On the inside of the street-side charge receptacle access door, drill out the existing rivets and discard the old bracket shown in Figure 4.

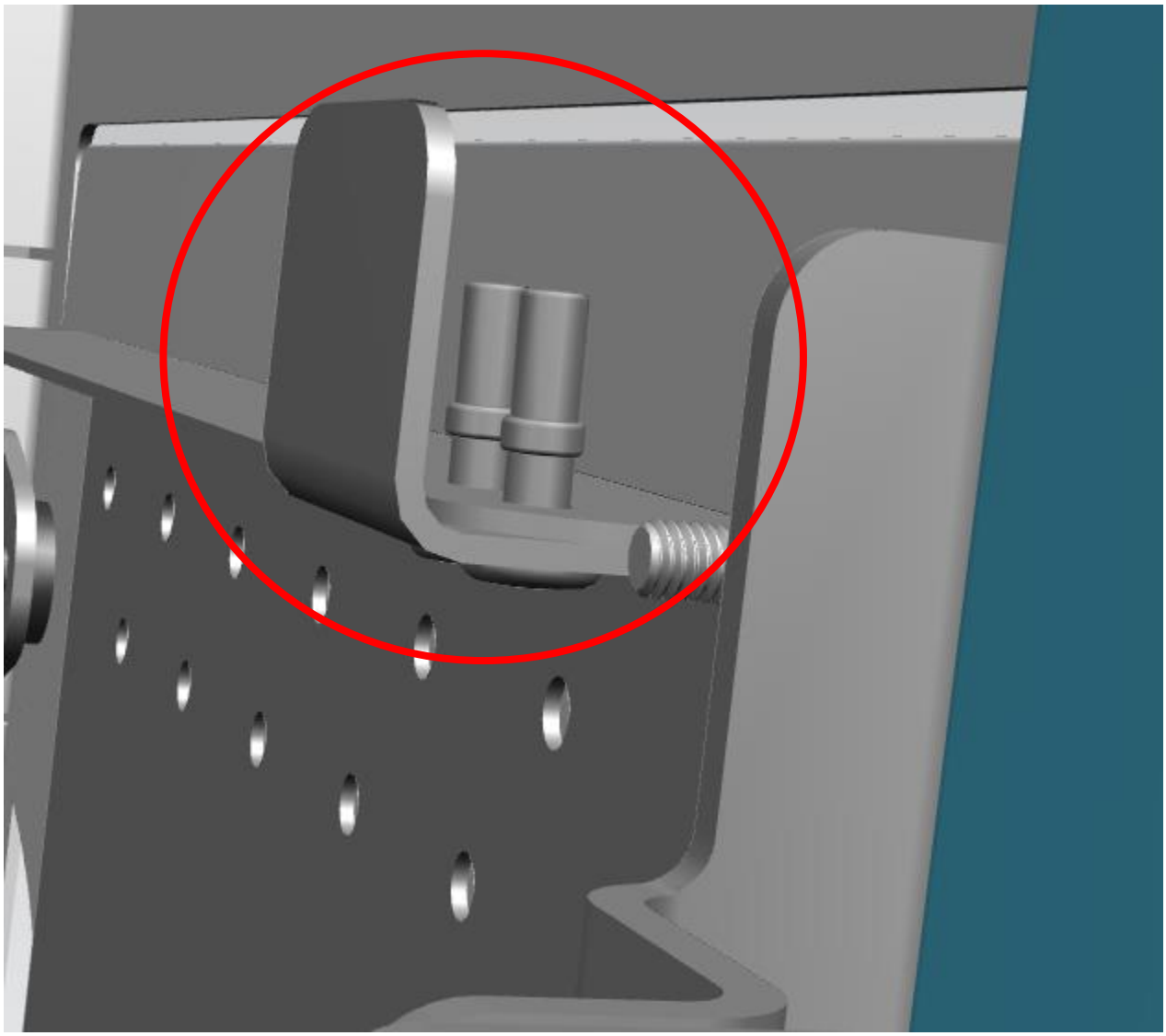


Figure 4: Existing bracket on access door panel

7. Install BRACKET-PROXIMITY SWITCH (PN 808441) using RIVET-MONOBOLT (PN 51R03007) into the existing holes on the access door panel where the old bracket was installed.
8. Install supplied jumper HRNS-JMPR SS PROX SW (PN 808377) along the existing harness.
    a. Connect the SS RECPT DOOR PROXIMITY SW-SHR to the pigtail from the street side prox. switch.
    b. Connect wire EP13ZK to XBHL3-TWR-18, wire EP13ZP to XBHL3-TWR-19, and wire EP13ZU to GNDPRCL-4-3.

LH HARNESS

9. Locate HRNS LH OPTIONS (PN 753620) in install INSTL-HRNS LH OPTIONS (PN 753619).
10. Install supplied jumper HRNS-JMPR LH OPTIONS (PN 808372) alongside the existing harness.
    a. Connect the appropriate end of wire EP13ZG to XBHL3-SHR-27 and the other end to XRR55-TWR-30.
    b. Connect the appropriate end of wire EP13ZM to XBHL3-SHR-18 and the other end to XRR55-TWR-1.
    c. Connect the appropriate end of wire EP13ZR to XBHL3-SHR-19 and the other end to XRR55-TWR-9.

Curbside Plugin Charge Receptacle

11. Gain access to the curbside plugin charge receptacle.
12. Drill holes in the receptacle box to the dimensions shown in Figure 5. Use the supplied BRACKET-PROX SWITCH (PN 808412) as a template. Ensure that all swarf is removed from the box and surrounding area.

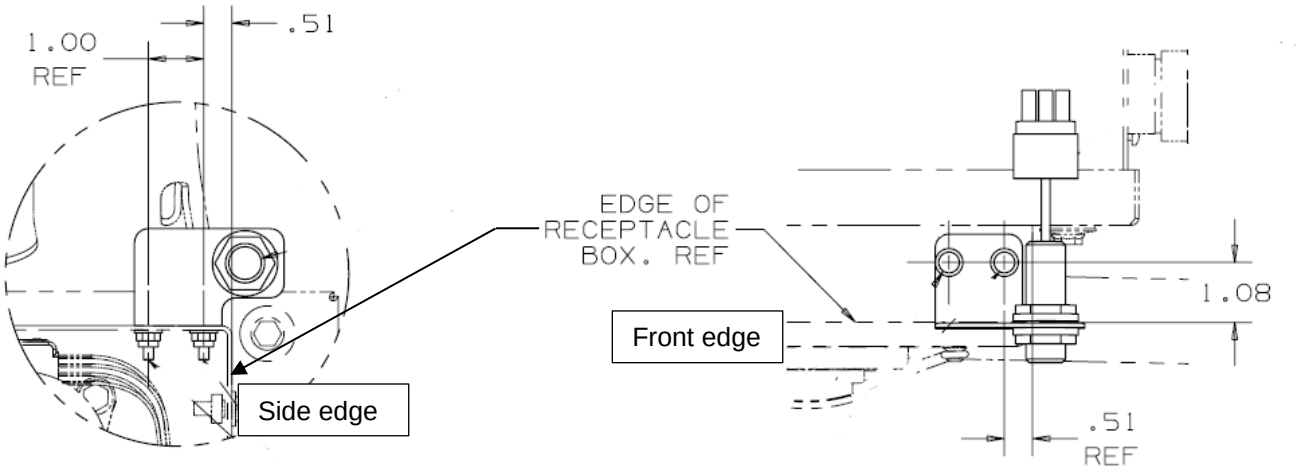


Figure 5: Curbside prox. switch bracket alignment

13. Install the supplied bracket into the newly drilled holes as seen in Figure 6. Parts and stack up uses are the same as the previous bracket seen in Figure 2.



Figure 6: Curbside prox. switch bracket installed

14. Install (PN 122824) into the large remaining open hole in the new bracket (PN 808425) as shown in Figure 7.

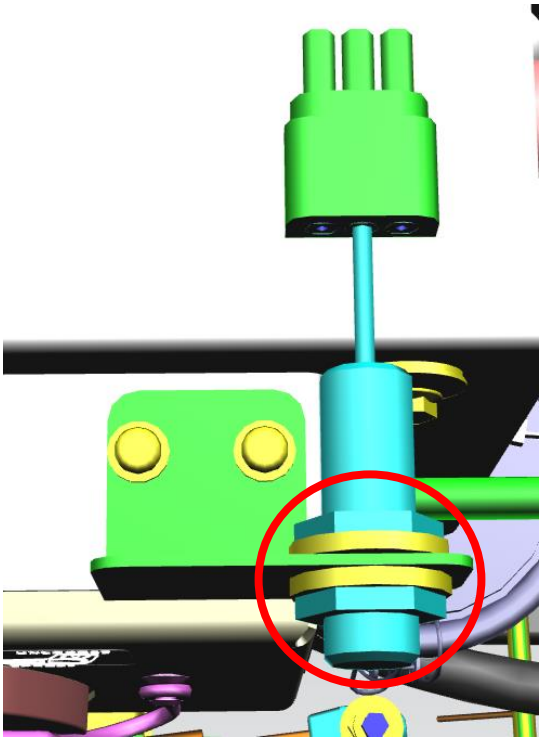


Figure 7: Prox. switch installed through new bracket

15. Install supplied jumper HRNS-JMPR CS PROX SW (PN 808379) along the existing harness.
    a. Connect the CS RECPT DOOR PROXIMITY SW-SHR to the pigtail from the curbside prox. switch.
    b. Connect wire EP13ZC to XEFB8-TWR-C, wire EP13ZF to XBHL3-TWR-27, and wire EP13ZJ to GNDPRCL-5-3.

Fuse box

16. Gain access to the fuse box.
17. Install supplied BREAKER 6A ETA MAN (PN 110545) in the terminal block beside 24VBATFB2, shown in Figure 8.

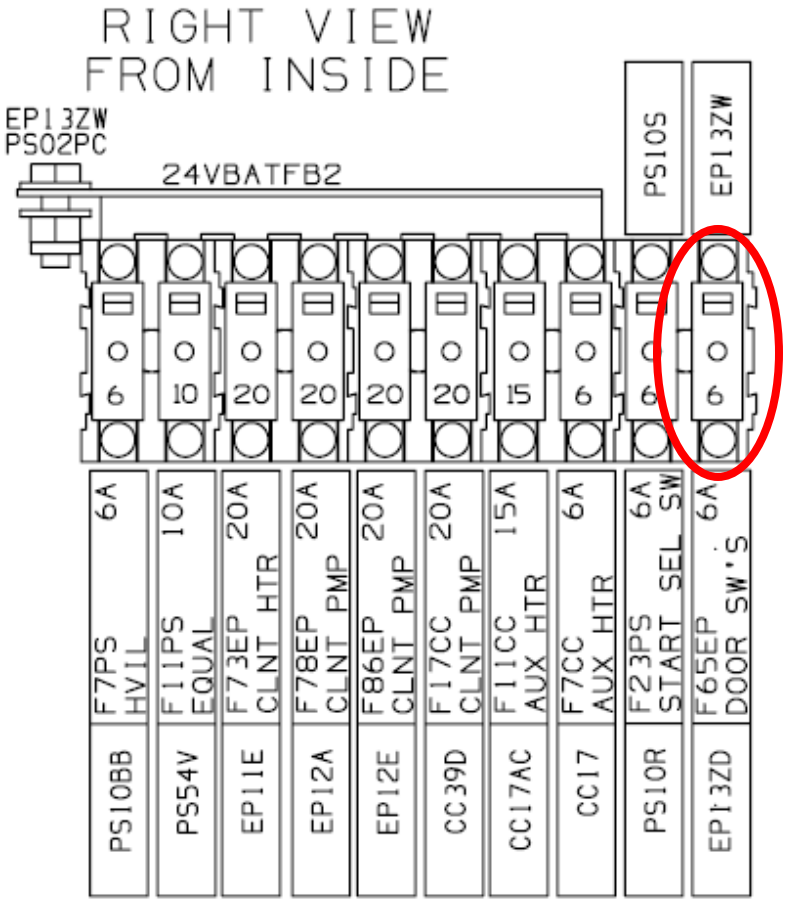


Figure 8: New fuse F65EP install location in the fuse box

18. Install supplied HRNS-JMPR PROX SW FUSE BOX (PN 808363).
    a. Connect the appropriate end of wire 99EP13ZD to the newly installed breaker F65EP-2. Connect the other end to XEFB8-SHR-C.
    b. Connect the appropriate end of wire 99EP13ZW to 24VBATFB2-5 and the other end to F65EP-1

Rear panel

19. Gain access to the fuse box.
20. Install supplied BREAKER 6A ETA MAN (PN 110545) in terminal block 24VBATRR, shown in Figure 9.

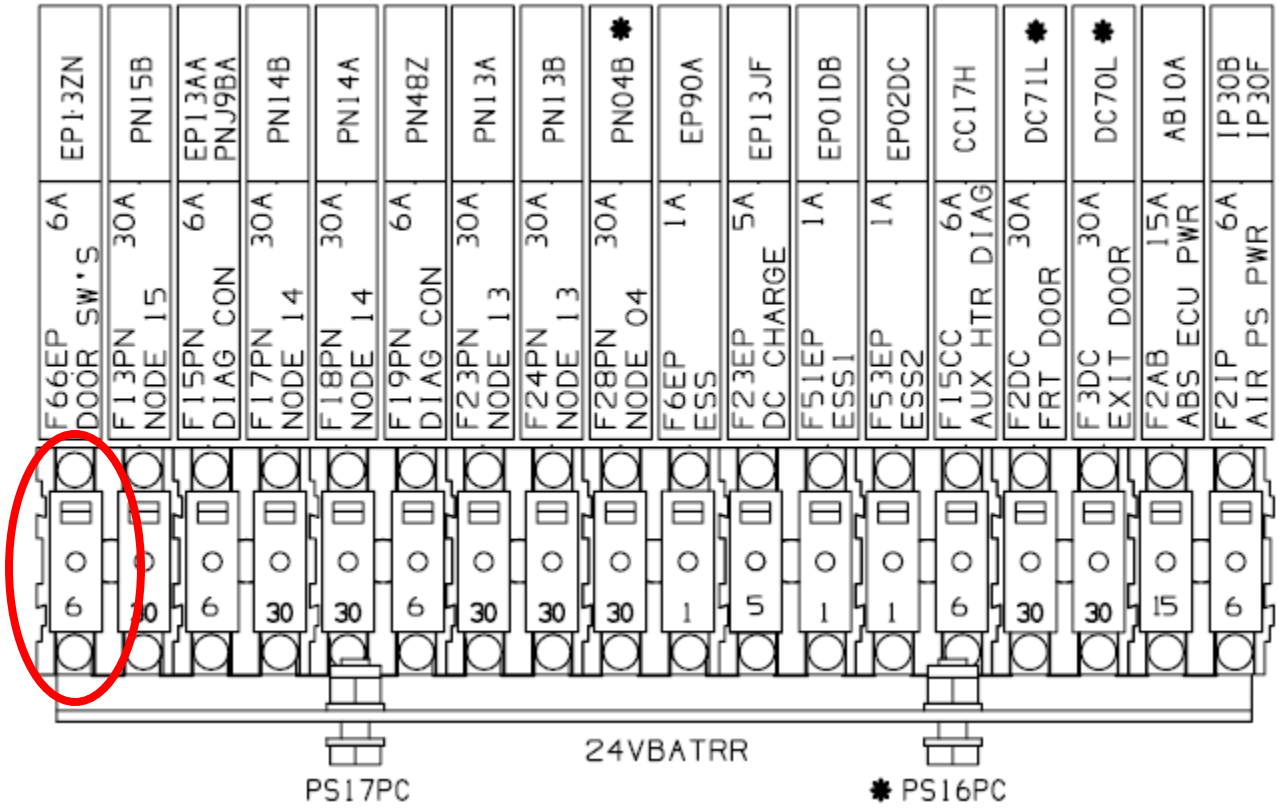


Figure 9: New fuse F66EP install location in the rear panel

21. Install supplied HRNS-JMPR PROX SW RR PANEL (PN 808366).
    a. Connect the socket end of wire EP13ZH to node 15-J4-9 and connect the other end to XRR55-SHR-30.
    b. Connect the socket end of wire EP13ZT to node 15-J1-4 and connect the other end to XRR55-SHR-9.
    c. Connect the appropriate end of wire EP13ZN to the newly installed F66EP-2 and connect the other end to XRR55-SHR-1.
22. Turn the main battery disconnect switch to the “ON” position.

23. Contact your RPSM for the latest release of the bus VMM program and download it once received.

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Install Prox. Switch on CS and SS Charge Doors	1	3.5	3.5

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	110545	BREAKER-6A ETA MAN	2	EA	
2	51R03007	RIVET MONO BLIND SS 3/16" X .064/.270	2	EA	
3	42N00000	NUT-NYLON LOCK #10 SST	4	EA	
4	50W00000	WASHER FLAT SS #10	8	EA	
5	14S00012	SCREW PH CROSS RECESS SS #10 24 UNC X 3/4" LG.	4	EA	
6	808425	BRACKET-PROX SWITCH	1	EA	
7	808412	BRACKET-PROX SWITCH	1	EA	
8	808441	BRACKET-PROXIMITY SWITCH	1	EA	
9	122824	ASSY-PROXIMITY SWITCH	2	EA	
10	808379	HRNS-JMPR CS PROX SW	1	EA	
11	808377	HRNS-JMPR SS PROX SW	1	EA	
12	808372	HRNS-JMPR LH OPTIONS	1	EA	
13	808366	HRNS-JMPR PROX SW RR PANEL	1	EA	
14	808363	HRNS-JMPR PROX SW FUSE BOX	1	EA	