



INSTRUCTION TO SERVICE

ITS61237		January 8, 2025
SECTION:	292-Electrical Harnesses	
SUBJECT:	Battery Compartment Fuse Rework- J35	
ISSUE:	The mini fuses in the battery compartment for the condenser may not be enough for certain load conditions and could damage the fuses	
SUMMARY:	This bulletin outlines steps to replace the existing harness with mini fuses to a more robust design and heavier duty fuses	

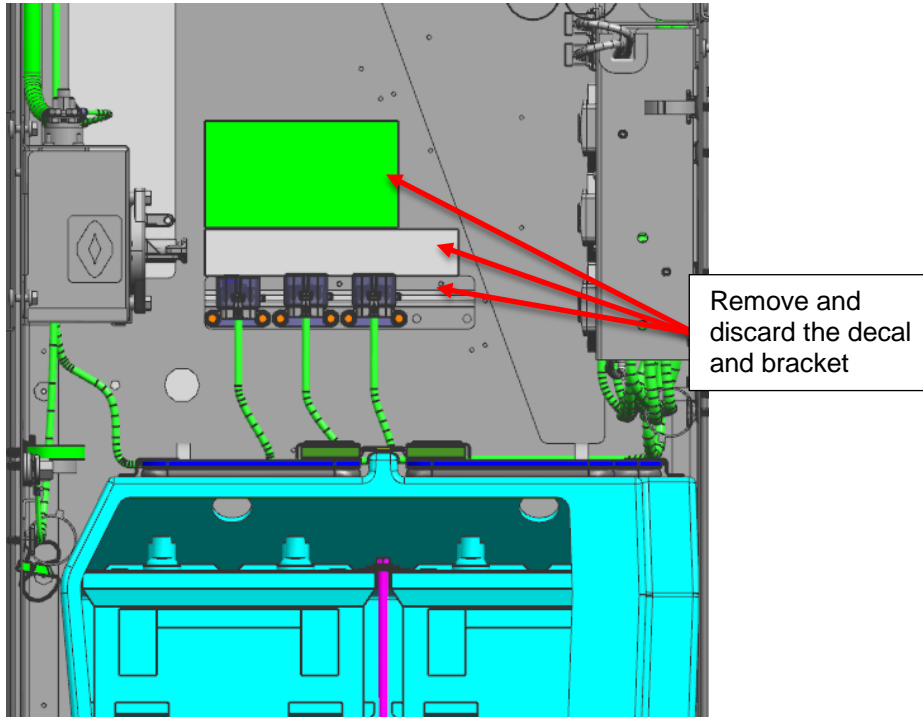
ITS61237

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

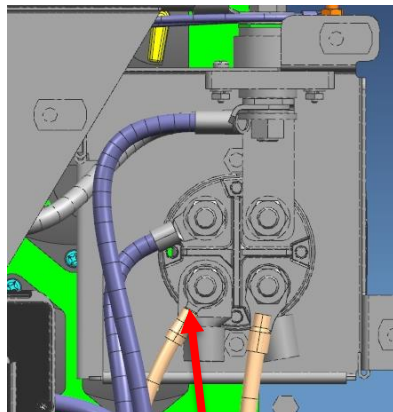
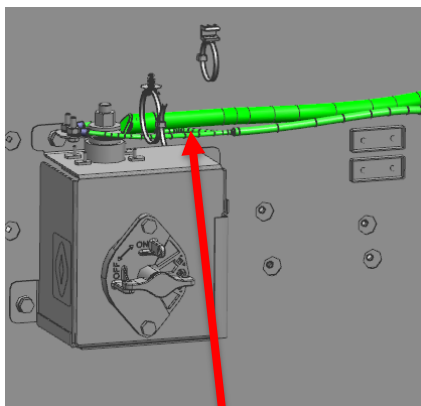
THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.

PROCEDURE:

1. Set park brake and chock wheels.
2. Turn the main battery disconnect switch to the "OFF" position.
3. Remove and discard the fuse layout decals, and VEC fuse bracket.



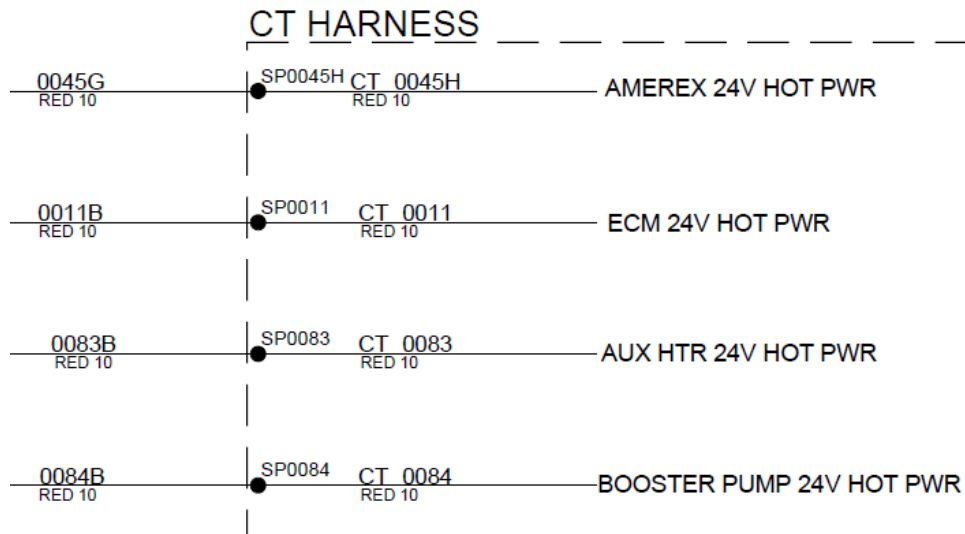
4. Identify and blind cut the following wires from the fuse holder section wires: 0045H, 0011, 0083, 0084, 170, 0021, 0022, 0026, and 0027.
5. Remove and discard the fuse block harnesses connected to 24V Hot and 24V SW.



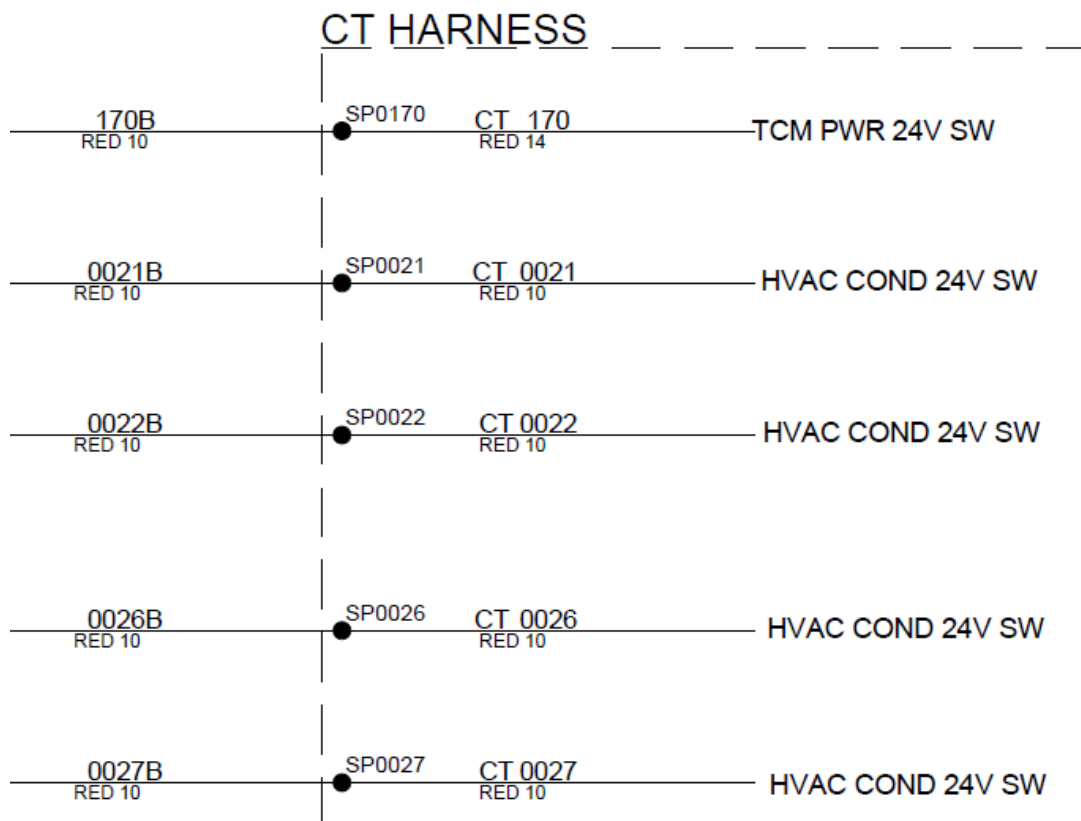
6. Install jumper harness, PN: 1110274, to the 24V SW stud and torque to 150 In-Lb.
7. Install jumper harness, PN: 1110110, to the 24V Hot studs and torque to 65 In-Lbs.



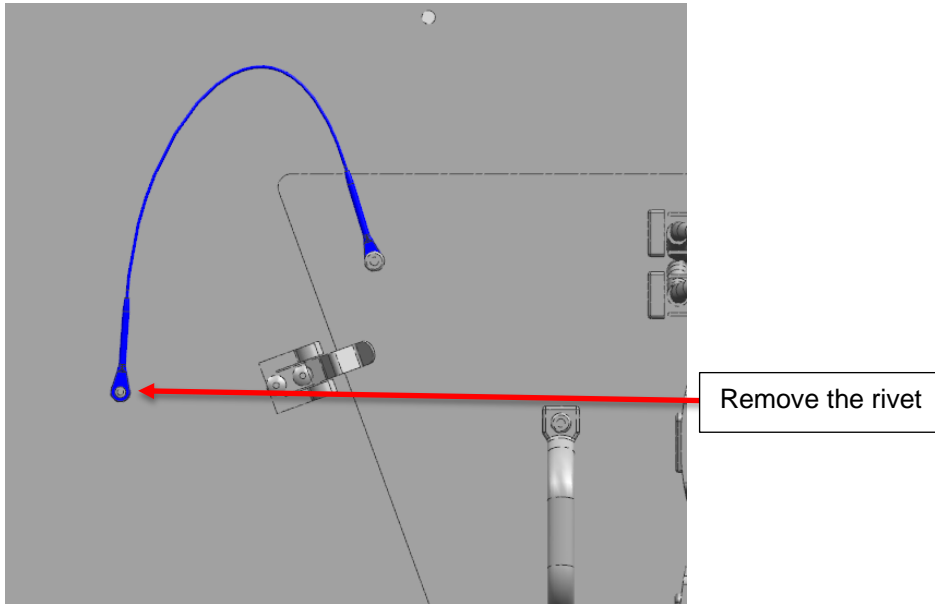
8. Using splice, solder and heat shrink, splice wire IDs as shown below between spliced wires and 24V HOT jumper harness.



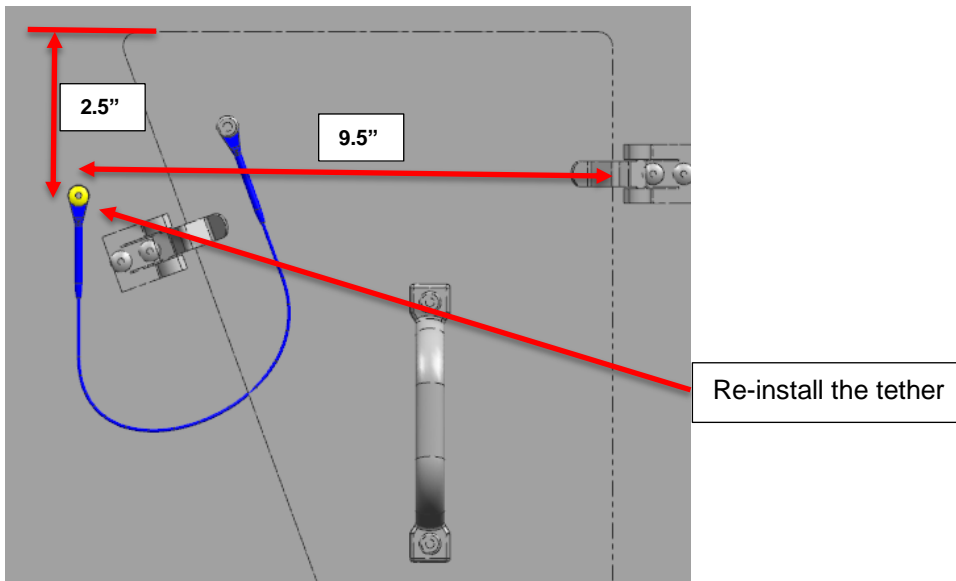
9. Using splice, solder and heat shrink, splice wire IDs as shown below between spliced wires and 24V SW jumper harness.



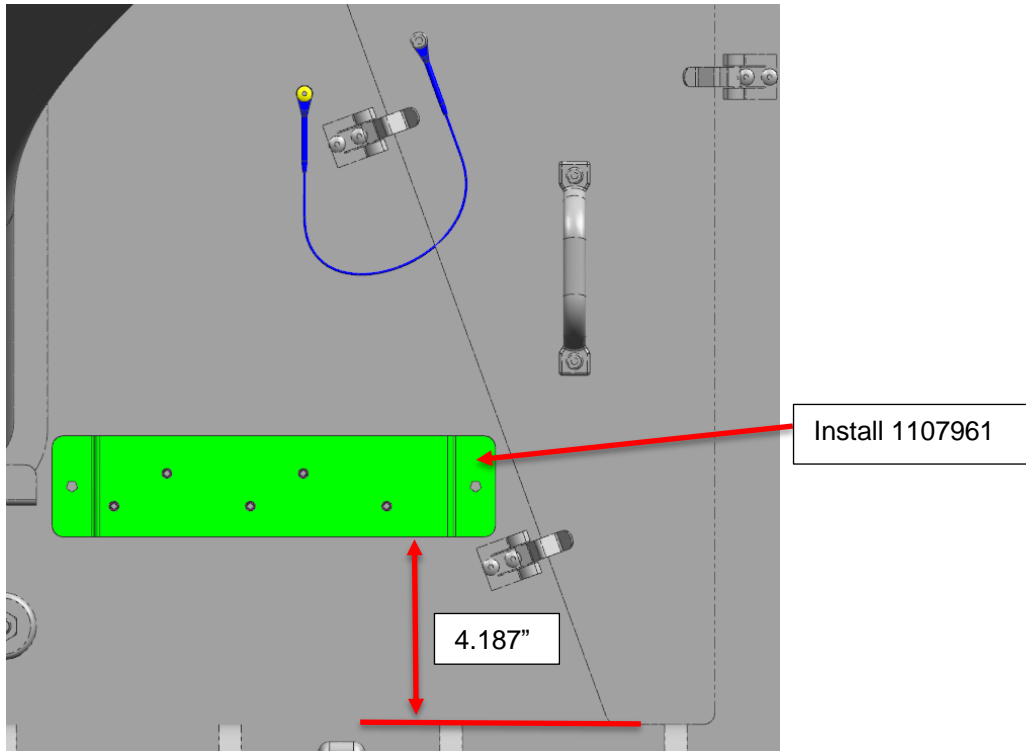
10. Remove the HVAC filter door tether rivet on the back wall of battery compartment.



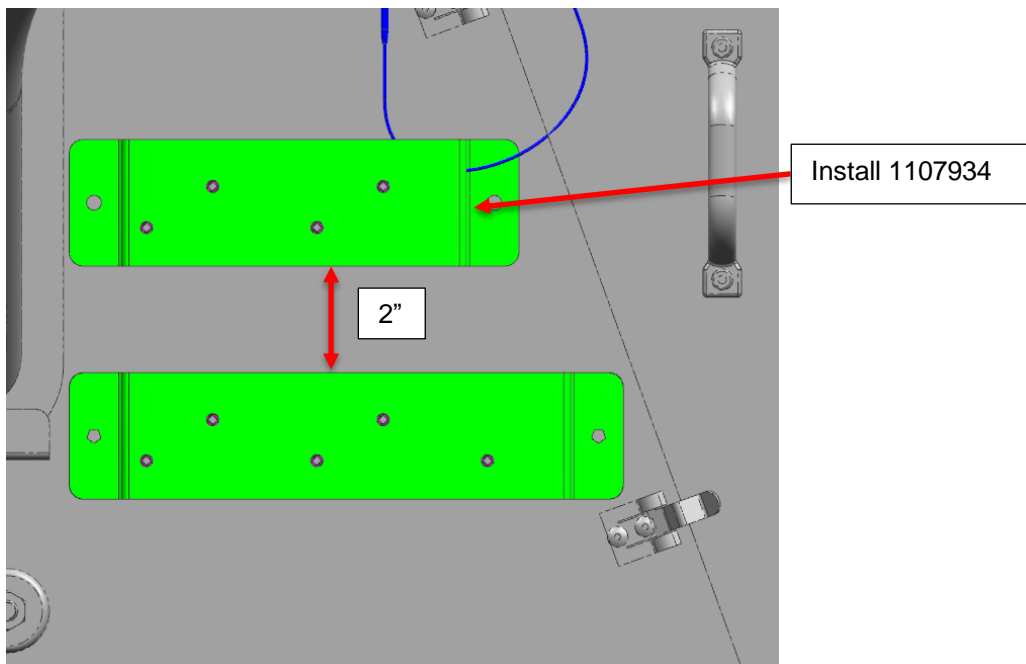
11. Drill 3/16" hole at the location shown below and install the tether using rivet, PN: 19-13-187.



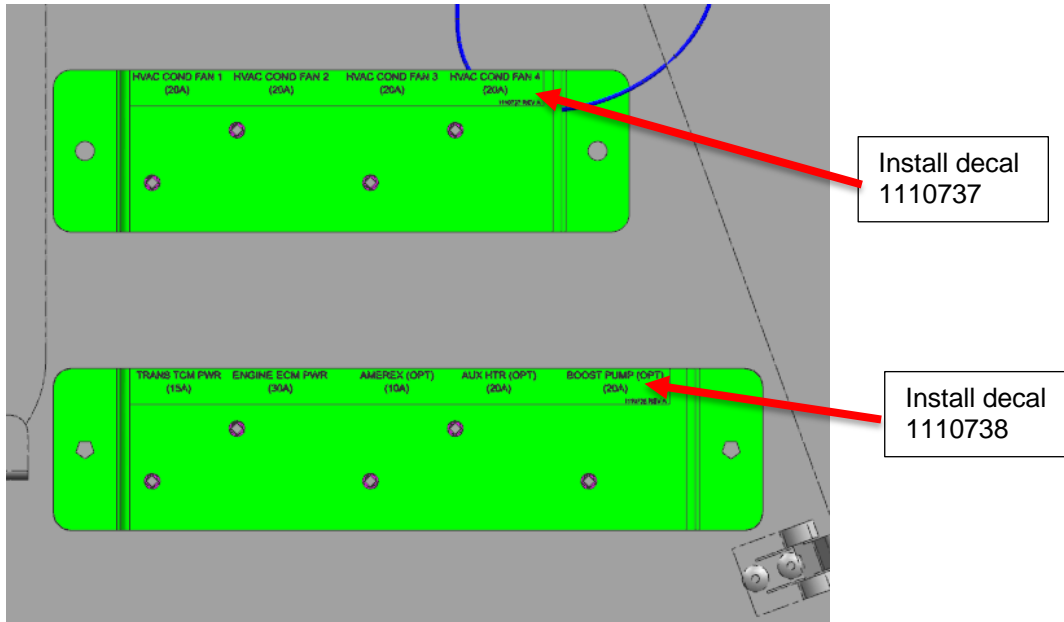
12. Using bottom fuse mounting bracket, PN: 1107961, as template at the location shown below, drill 0.25" holes for mounting and install the bracket using rivets, PN: 071992.



13. Using top fuse mounting bracket, PN: 1107934, as template at the location shown below, drill 0.25" holes for mounting and install the bracket using rivets, PN: 071992.



14. Clean the brackets with isopropyl alcohol and allow 5 min flash off time. Install decal 1110737 on the top bracket and 1110738 on the bottom bracket.

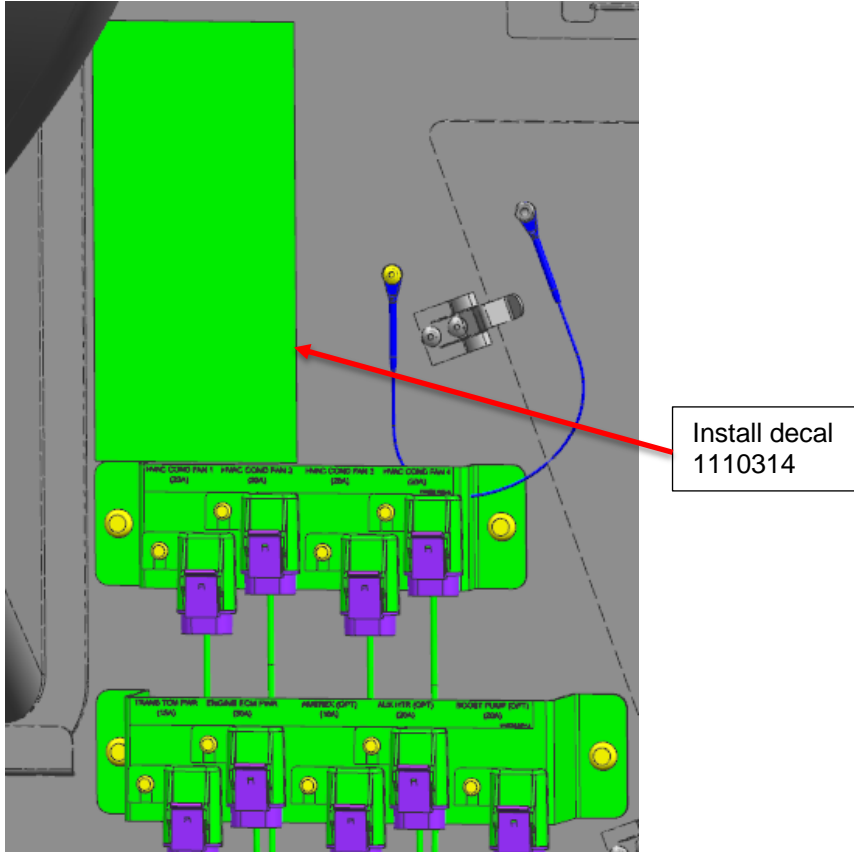


15. Follow the decals to install the fuse holders to the brackets and install fuses accordingly using screws, PN: 14S98006.



16. Use zip ties, MCI P/N: 5958112, to secure the harnesses to the existing harness in battery compartment.

17. Clean the surface of the battery compartment wall above the fuse holder brackets with isopropyl alcohol and allow 5 min flash off time.
18. Install battery compartment layout decal, PN: 1110314, above the fuse holder bracket.



19. Re-install MDS using existing bolts



LABOUR ESTIMATE				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Battery Compartment Fuse Rework- J35	1	1	1

PARTS REQUIRED					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1	1110274	HRNS-BATT FH 24V SW JMPR	1	EA	
2	1110110	HRNS-BATT FH 24V HOT J35 JMPR	1	EA	
3	1109760	ASSY-BRACKET FUSE HOLDER	1	EA	
4	1109733	ASSY-BRACKET FUSE HOLDER	1	EA	
5	071992	RIVET-1/4 SS .08-.575GP	4	EA	
6	1110314	DECAL-BATT COMPT LAYOUT J35	1	EA	
7	1110737	DECAL-BATT COMPT FUSES	1	EA	
8	1110738	DECAL-BATT COMPT FUSES	1	EA	
9	14S98006	SCREW MACHINE NO.8-32 3/8	9	EA	
10	5958112	TYRAP-7.0 BLACK	10	EA	
11	8112224	PLUG FUSE IN 10A	1	EA	
12	8112225	FUSE PLUG IN 15A	1	EA	
13	8112226	FUSE PLUG IN 20A	4	EA	
14	8112227	FUSE PLUG IN 25A	2	EA	
15	8112228	FUSE PLUG IN 30A	1	EA	
16	19-11-1465	HEAT SHRINK-4-1	3	FT	
17	19-11-431	SPLICE	9	EA	
18	115540	FUSE HOLDER CAP	9	EA	
19	19-13-137	RIVET-.187	1	EA	

SPECIAL TOOLS REQUIRED					
Item	Part Number	Description	Qty.	Units	Notes
1	23-05-0005	ALCOHOL - ISOPROPYL			
2	1110934	SCHEM-BATTERY COMP. FUSES J35			