



INSTRUCTION TO SERVICE

ITS: 6272

SECTION:	580 Wheelchair Ramp
WRITTEN BY:	Alan Mark
SUBJECT:	Addition of a bridge rectifier to ramp power supply

ITS6272

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PROCEDURE:

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

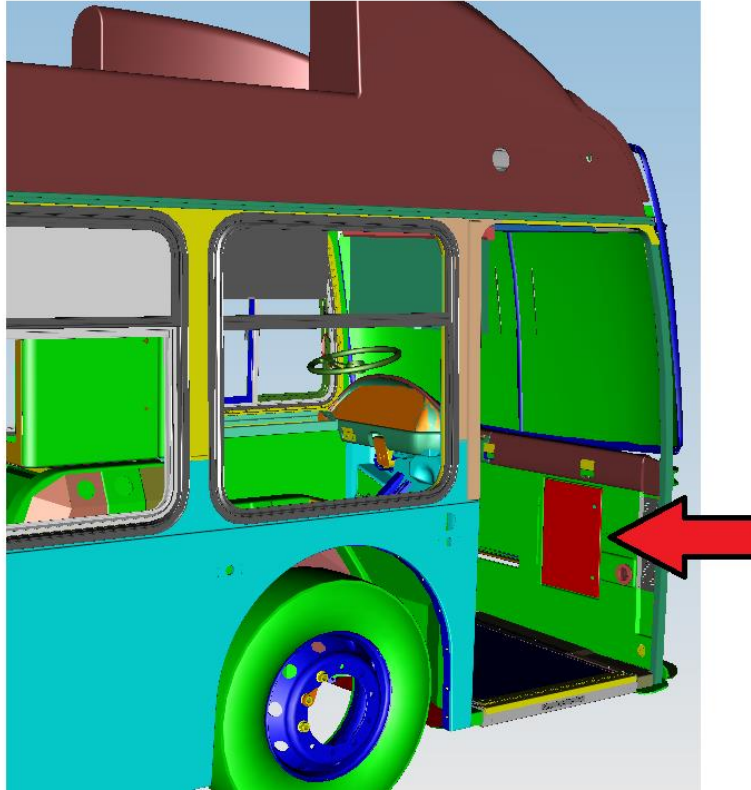


Figure 1: Ramp Power Supply Door Panel

2. Locate the lower right hand dash door at the front of the bus and gain access to the ramp power supply by opening the lower right hand dash door as shown in Figure 1.
3. Drill and tap #10-24 into the ramp power panel at the location shown in Figure 2 for the bridge rectifier (P/N: 002174) to be mounted.
4. Use the screw (P/N: 14S00012) and washer (P/N: 50W00000) to mount the bridge rectifier (P/N: 002174) at the newly drilled location. Figure 3 displays the orientation of the bridge rectifier.
5. Remove the wire labelled “68LK50JC” that connects from the ramp power supply slot 9 to the connector labelled “XBBLK2”. Shown in Figure 4 is the wiring diagram and electrical schematic.
6. Disconnect the wire labelled “68LK50JB” from the ramp power supply slot 7. Cut off the existing ring terminal and replace with a terminal blade (P/N: 5924896). Connect the blade end to the sine 2 pin of the bridge rectifier as shown in Figure 4.

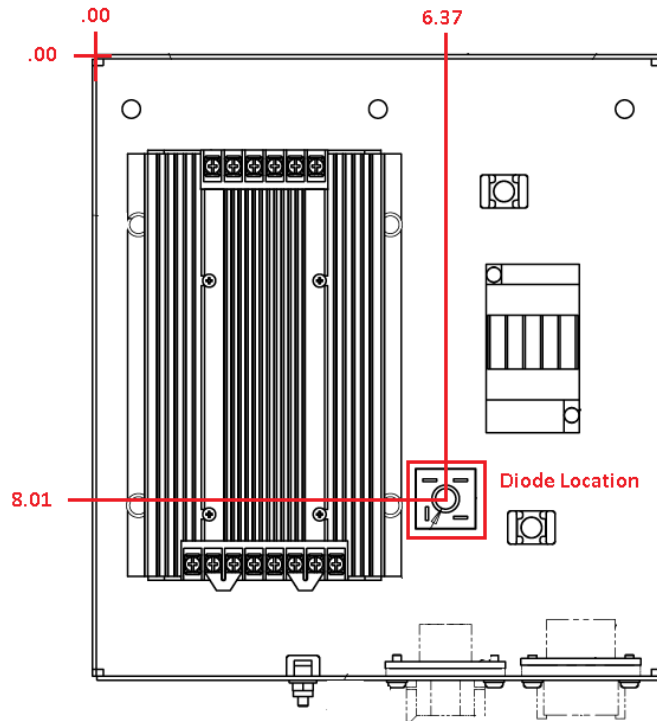


Figure 2: Diode mount location (red) on Ramp Panel

7. Terminate the end of the new wire labelled "68LK50JD" with a blade (P/N: 034794) and connect to the positive pin of the bridge rectifier. Route the wire to slot 7 of the ramp power supply and cut to length. Terminate the cut end of the wire with a ring terminal (P/N: 5948564) and connect to slot 7 of the ramp power supply. Ensure to clean off any dielectric grease prior to connecting.
8. Add dielectric grease lubricant NKY-77 (P/N: 8111767) to the diode and ramp power supply connections.
9. Remove all tools and debris and return the bus to service condition.
10. Turn the main battery disconnect switch to the "ON" position.



Figure 3: Diode mounting configuration

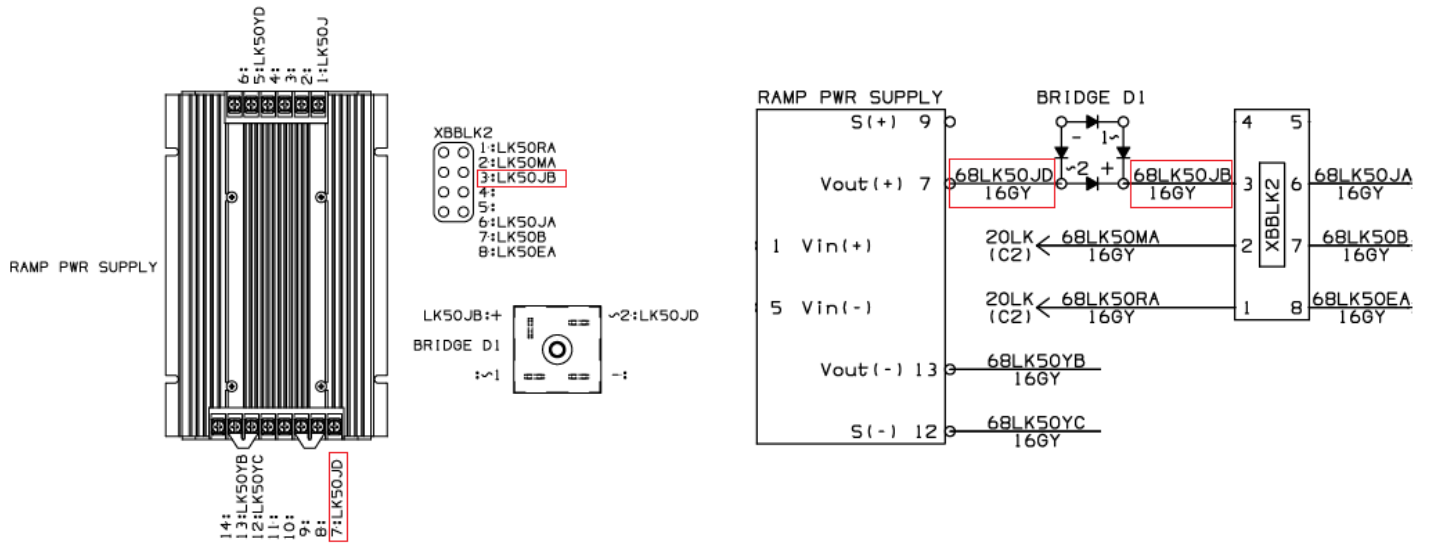


Figure 4: Wiring Diagram

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Add bridge rectifier to ramp power supply	1	0.75	0.75

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	8111767	LUBRICANT NYK-77	0.010	EA	
2	6466391	ASSY – PARTS FOR ITS-6272	1.0	EA	KIT
2.1	002174	RECTIFIER BRIDGE	1.0	EA	PART OF KIT
2.2	14S00012	SCREW PH CROSS RECESS SS #10 24 UNC X 3/4" LG.	1.0	EA	PART OF KIT
2.3	50W00000	WASHER FLAT SS #10	1.0	EA	PART OF KIT
2.4	5924896	TERM BLADE 1/4F14INS	2.0	EA	PART OF KIT
2.6	5948564	TERM-R #6 MIN 14-16AWG	1.0	EA	PART OF KIT
2.7	8111767	LUBRICANT NYK-77	0.010	EA	PART OF KIT
2.8	559225	WIRE-16AWG GY 1068 2KV	2	FT	PART OF KIT 68LK50JD