

Brett Johnson

From: [REDACTED]@septa.org>
Sent: Friday, August 8, 2025 5:07 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Requested SLIV Newer Style Rectifier Panel Drawings
Attachments: 114 PRP Panel Testing-Snubber data added.xlsx; IMG_0888.JPG

[CAUTION] This email originated from outside of the organization. Do not click any links or open attachments unless you recognize the sender and know the content is safe.

Hi [REDACTED],

I labeled the PRP Panels in the attachment as they sit from left to right. We tested the Snubber circuits for the rectifiers on 114 today. All of the snubber capacitors were found to be within spec. I attached a picture of the snubber capacitors that are installed on the panels that shows the specs. There are also two 56k Ohm Resistors in parallel with the capacitor in the snubber circuit. Two of the resistors tested a little lower than their tolerance at 51k Ω on the PRP2, however, I don't see this as a problem. The resistors have a gold band to signify 5% Tolerance. All data has been added to the spreadsheet attached.

We also tested the capacitors that are shown on schematic page SL4-102 that are of the secondary windings of the main transformer. Schematic shows that the capacitors should be 40uF, therefore, results below look good.

Measured

C1 – 42.5uF
C2 – 42.4uF
C3 – 43.2uF
C4 – 42.8uF

All measurements were measured with a Fluke 179 Multimeter

[REDACTED]
[REDACTED] | Sr Proj Engineer, Regional Rail Vehicle Engineering
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Wayne Junction Car Shop
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[REDACTED] | www.septa.org
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From: [REDACTED]@ntsb.gov>
Sent: Friday, August 8, 2025 9:28 AM
To: [REDACTED]@septa.org>
Cc: [REDACTED]@septa.org>
Subject: RE: Requested SLIV Newer Style Rectifier Panel Drawings

Good morning. Feel free to add cells to the sheet. The layout is as we face the PRP panel. If you can label which PRP is which, that would be awesome.

Thanks

From: [REDACTED]@septa.org>
Sent: Wednesday, August 6, 2025 11:40 AM
To: [REDACTED]@ntsb.gov>
Cc: [REDACTED]y@septa.org>
Subject: Requested SLIV Newer Style Rectifier Panel Drawings

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Thomas,

Attached are the requested drawings of the SLIV Newer Style Rectifier Panels.

[REDACTED]
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