

Printware Field Procedure

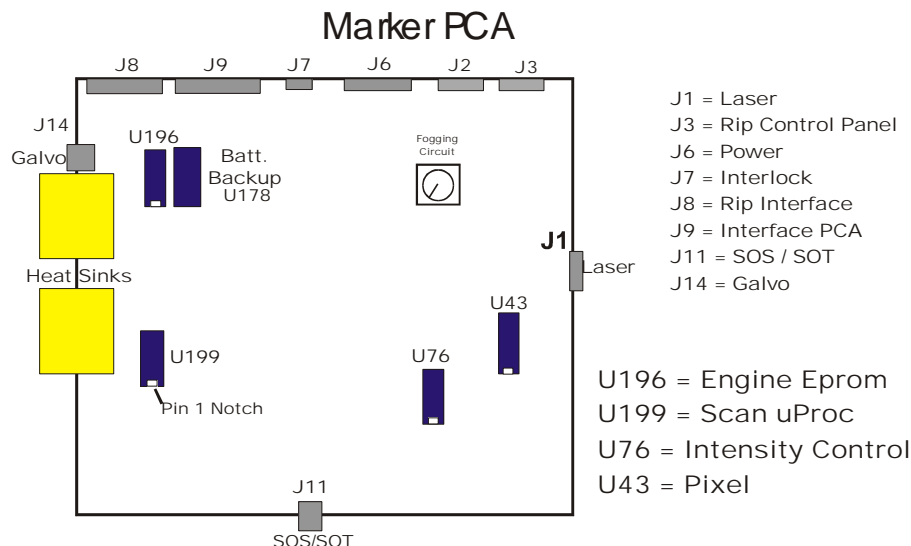
Measuring DC Supply Voltages

Applicable Products: All PlateStream Platesetters

Tools required: Digital Multi-Meter (DMM) supplied in PlateStream Tools Kit

Procedure:

1. Turn platesetter power on.
2. If your PlateStream has a RIP based Platesetter Control, start the application by double clicking the icon on the desktop. When the main menu is displayed on either type of platesetter control panel, all DC voltages should be enabled, present, and at their normal operating levels.
3. Open the top cover of the platesetter.
4. Using figure A (below), orient yourself to determine the location of connector J6 on the Marker Controller PCA (Printware part#522980). This PCA is covered by a gold colored mesh screen and is located on the top of the Marker assembly. All system DC voltages are present at this connector.
5. Locate the DMM supplied with the platesetter tool & spares kit. Power on the DMM and set it to read DC voltage.
6. Leaving the J6 connector connected to the Controller PCA, insert the tip of the black probe into connector J6 in the location and direction that one of the black wires enters the connector. This probe will be used to measure the ground potential or negative DC voltage and shouldn't need to be moved for all of the voltage measurements.
7. Insert the tip of the red probe into connector J6 in the place and direction of each of the colored wires, one at a time. This probe will measure the positive voltage at each colored wire. **ATTENTION! Do NOT touch the tips of the probes together while they are inserted into connector J6!**
8. Please refer to Table A for the acceptable values associated with each color of wire.
9. If you have trouble obtaining a legitimate value for any of the measurements, first check that the probes are making a proper connection with the intended wire in the connector. If any of the voltage readings do not fall within the specified range, call Printware Technical Support for assistance.



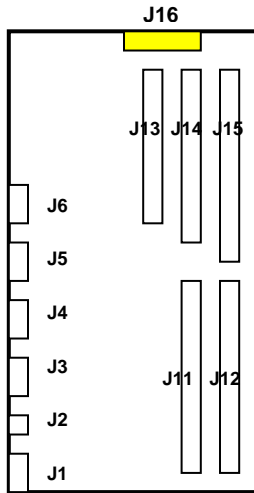
Drawing A

If there are any difficulties please call Printware Customer Service at 1-651-456-1400.

Printware Advanced Field Procedure – Measuring DC Voltages on the PlateStream™ (continued)

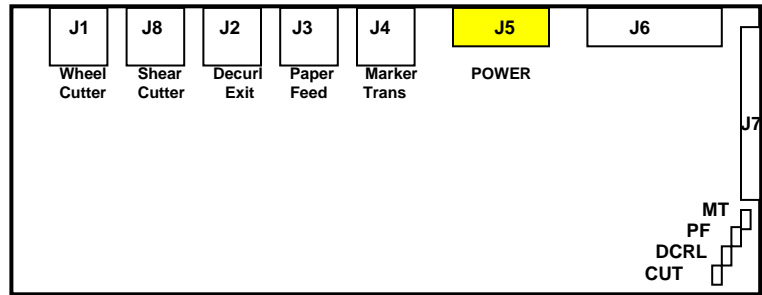
10. The same procedures can be used for measuring the DC voltages on the other remaining PCAs in the system. These are the Interface PCA, *drawing B*, (Printware Part# 523060), connector J16; the Stepper PCA, *drawing C*, (Printware Part# 523190), connector J5; and the Operator Panel PCA, *drawing D* (Printware Part# 572100, *Only on units with the hardware, LCD panel*). The specific voltages on each pin of the applicable connector for each PCA can be found in Table A.

Interface PCA



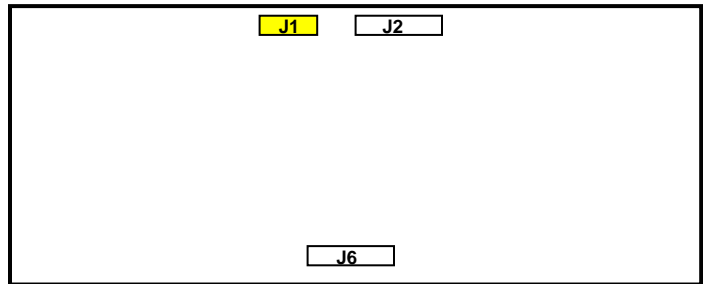
Drawing B

Stepper PCA



Drawing C

Operator Panel PCA



Drawing D

Printed Circuit Assembly	Voltage Test Point			Voltage Present		
	Connector	Color	Pin(s)	Minimum	Maximum	DMM
Controller PCA P/N 522980	J6	Black Red Yellow Blue Orange	2,4,6,8,10 1,3 5 7 9	Ground (0 Volts) +5.00 Volts DC +11.50 Volts DC -11.50 Volts DC +23.00 Volts DC	Ground (0 Volts) +5.15 Volts DC +12.75 Volts DC -12.75 Volts DC +26.00 Volts DC	
Interface PCA P/N 523060	J16	Black Red Yellow Blue Orange	2,4,6,8,10 1,3 5 7 9	Ground (0 Volts) +5.00 Volts DC +11.50 Volts DC -11.50 Volts DC +23.00 Volts DC	Ground (0 Volts) +5.40 Volts DC +12.75 Volts DC -12.75 Volts DC +26.00 Volts DC	
Stepper PCA P/N 523190	J5	Black Red Orange	1,3,5 2 4,6	Ground (0 Volts) +5.00 Volts DC +23.00 Volts DC	Ground (0 Volts) +5.40 Volts DC +26.00 Volts DC	
Operator Panel PCA* P/N 572100	J1	Black Red Yellow Blue	2,4,6 1 3 5	Ground (0 Volts) +5.00 Volts DC +11.50 Volts DC -11.50 Volts DC	Ground (0 Volts) +5.40 Volts DC +12.75 Volts DC -12.75 Volts DC	

*Only on units with the hardware LCD Operator Panel.

Table A

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