

# Modification Recommended Service Note

Supersedes:  
NONE

## 6674A DC power supply, 0-60 V, 0-35 A, 2100 W. GPIB

Serial Numbers: "MY53000140 to MY53000698 and SG53000101 to SG53000108"

The Problem – 6674A exhibited out of specification values for 24V to 28V and 44V to 46V at front panel read back readings.

### Parts Required:

P/N	Description	Qty.
06674-61020	PCA-Tested,Control	1

### ADMINISTRATIVE INFORMATION

ACTION	<input checked="" type="checkbox"/> ON SPECIFIED FAILURE	STANDARDS		
CATEGORY:	<input type="checkbox"/> AGREEABLE TIME	LABOR:	1.0 Hours	
LOCATION	<input type="checkbox"/> CUSTOMER INSTALLABLE	SERVICE:	<input checked="" type="checkbox"/> RETURN	USED <input checked="" type="checkbox"/> RETURN
CATEGORY:	<input type="checkbox"/> ON-SITE (active On-site contract required)	INVENTORY:	<input type="checkbox"/> SCRAP	PARTS: <input type="checkbox"/> SCRAP
	<input checked="" type="checkbox"/> SERVICE CENTER		<input type="checkbox"/> SEE TEXT	<input type="checkbox"/> SEE TEXT
	<input type="checkbox"/> CHANNEL PARTNERS			
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	31 March 2018	
	<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE:	SP	
	<input type="checkbox"/> Calibration NOT Required	AUTHOR:	KT	

ADDITIONAL INFORMATION:

**Situation:**

6674A exhibited out of specification values for 24V to 28V and 44V to 46V at front panel read back readings. Other ranges and remote programming's behaved normally.

**Solution/Action:**

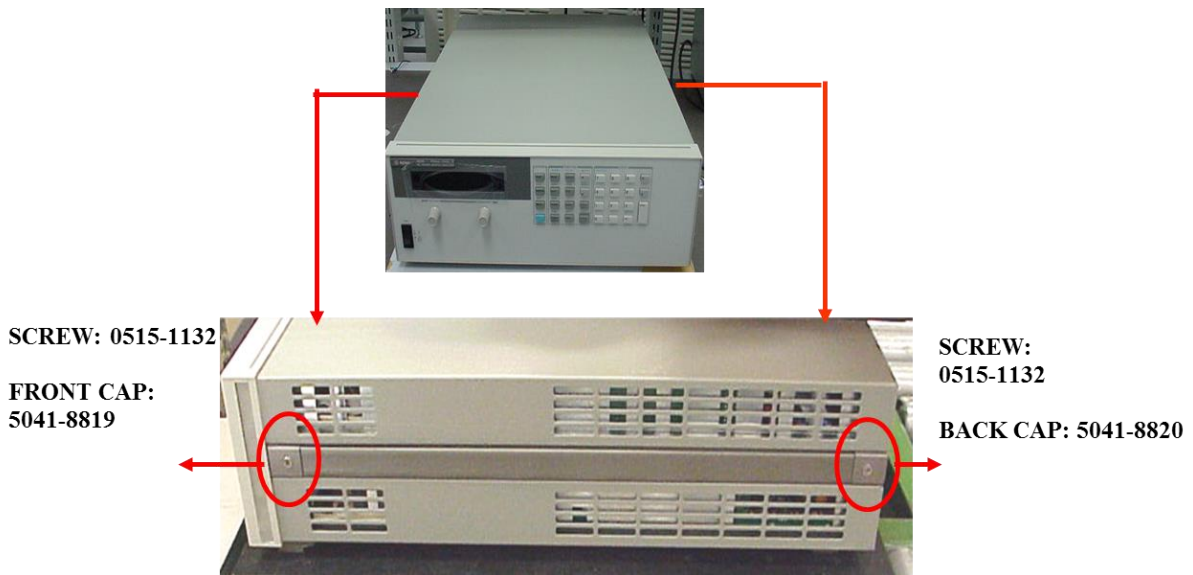
User/SSU to verify the affected model and serial number in the following procedure as below. Turn on the unit and warm-up for 30 minutes.

User/SSU Verification Procedure

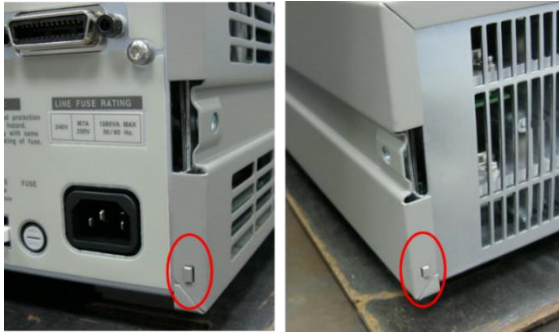
1. Set voltage to 25.0 V or 45.0V and turn on the output. If the unit is good, the front panel will show voltage value (read back voltage) that is within the specification to 25.00V (+/- 0.11V) or 45.00V (+/- 0.11V).
2. Any front panel voltage value reading out of 24.89V ~ 25.11V or 44.89V ~ 45.11V range is consider out of specification and need to send back to nearest SSU for PCA board replacement.

SSU Rework Procedure

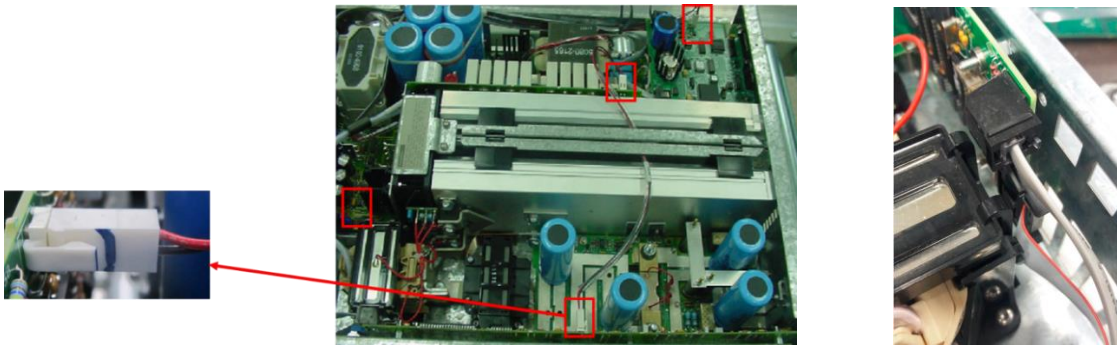
1. Remove the handle, front cap and back cap from both side of the cover with removing 2 screws from each side as shown in the following picture as below.



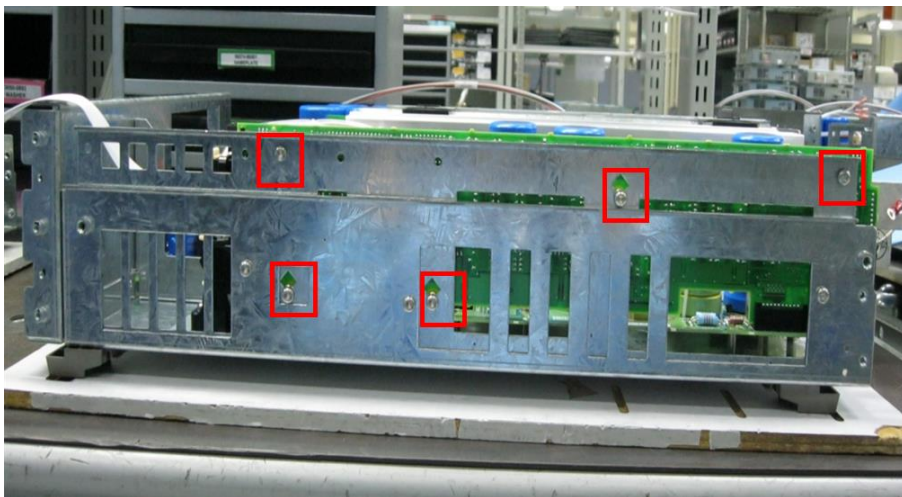
2. Slide cover out over the chassis and then, remove the top cover.



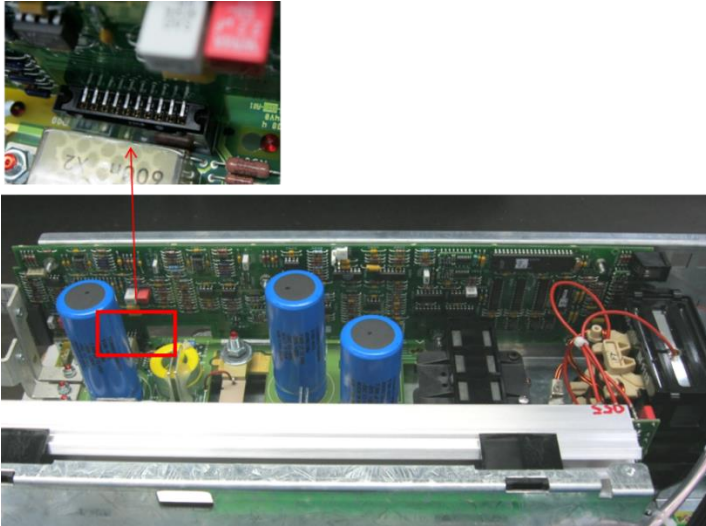
3. Remove ribbon and phone cables from the connector



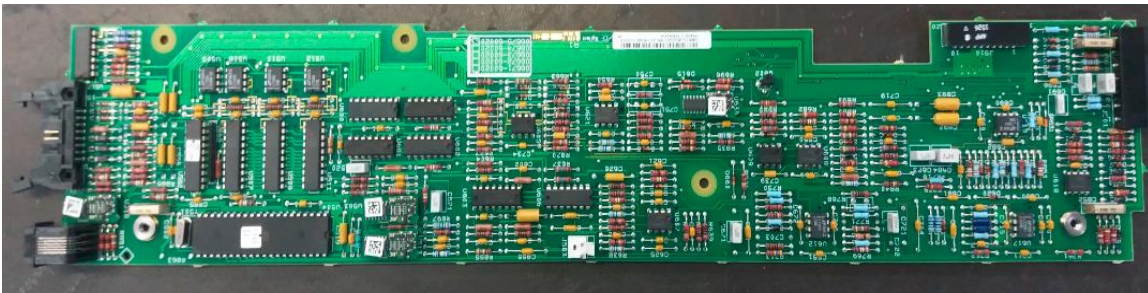
4. Remove 5 screws as shown in the following picture as below.



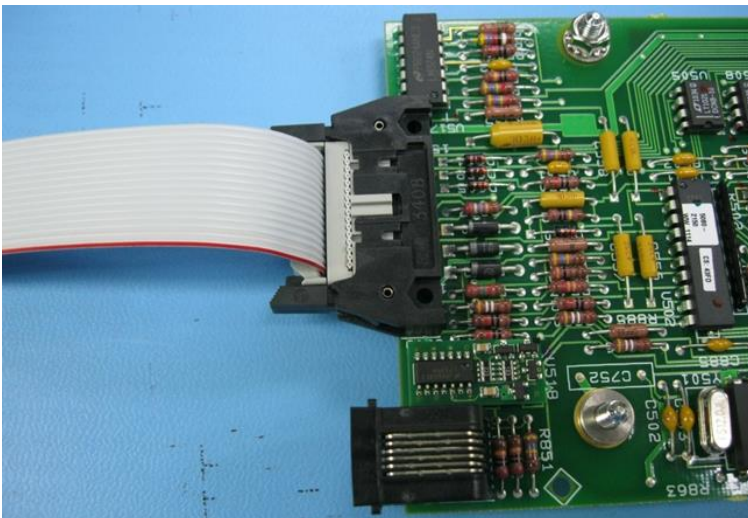
5. Slide out the affected board from the output board connector.



6. Replace with a new PCA board (06674-61020).

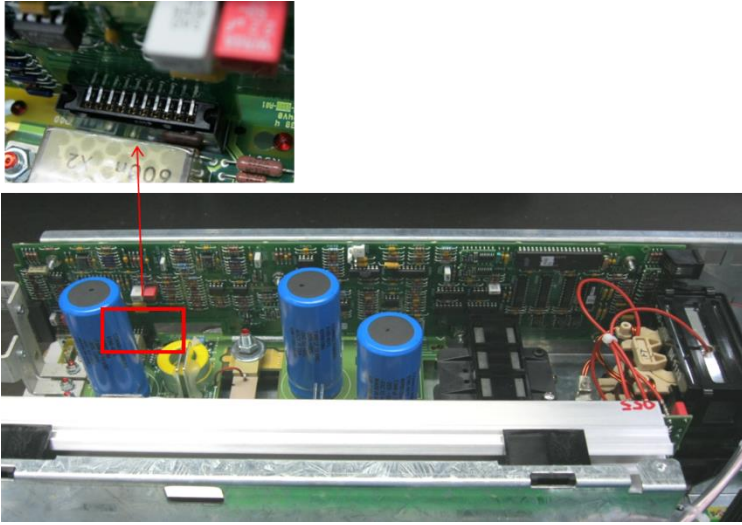


7. Connect and snap tight the ribbon cable to control board with the correct orientation as shown in the following picture as below.

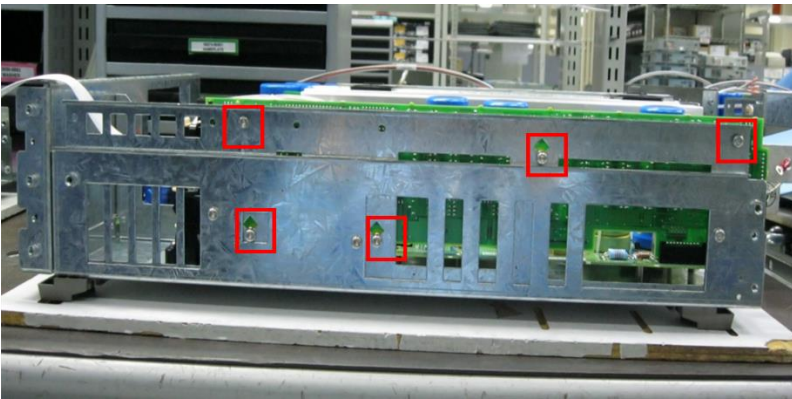


8. Place back the control board against the chassis and slide the board into output board connector. Then, slide the standoffs into the hole and push in place.

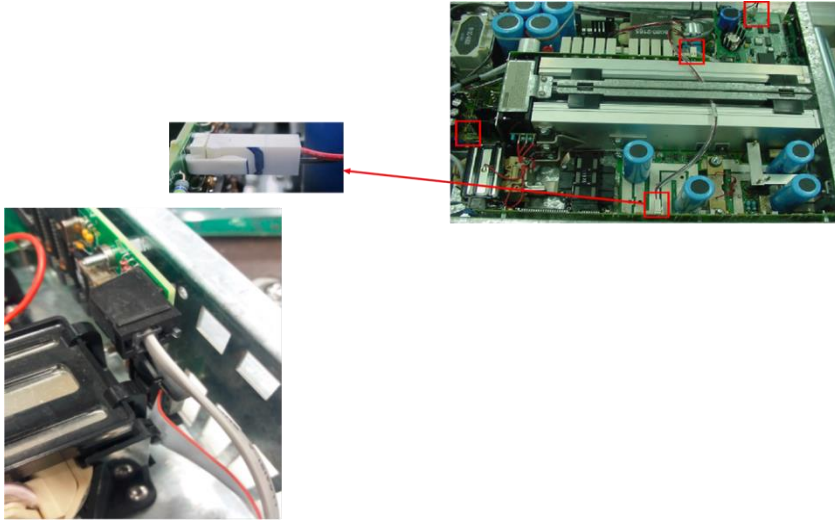




9. Insert standoffs of the control board into the holes of chassis and then, secure to chassis with 5 screws as shown in the following picture as below.



10. Connect and snap tight the phone cable and connector to control board with correct orientation as shown in the following picture as below.

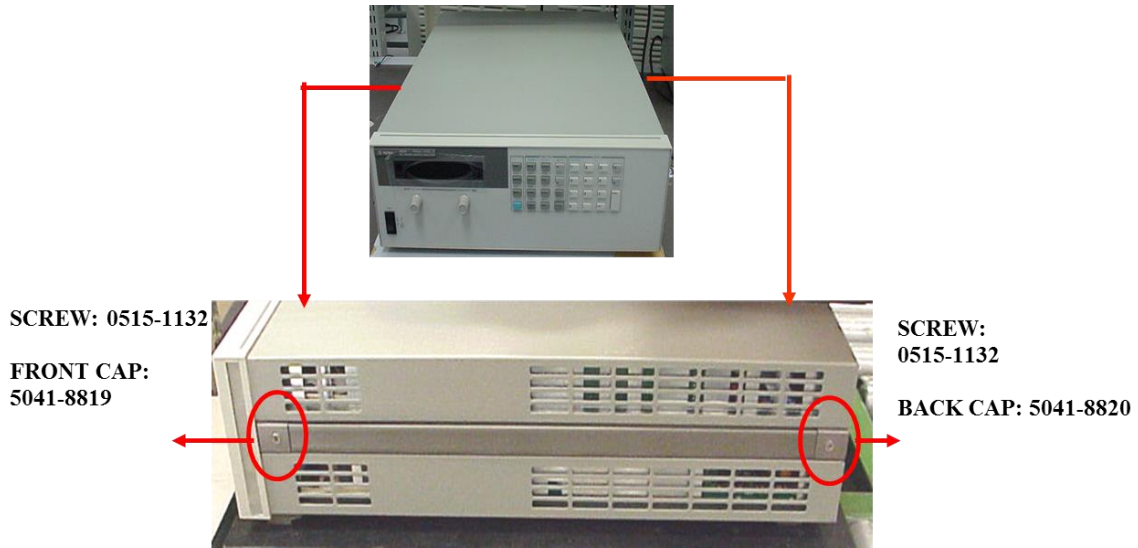


11. Slide the cover over chassis.

Note: Careful of the transformer cables and make sure tab at each side sit into the holes of cover.



12. Mount the handle, front cap and back cap to both sides of cover with 2 screws as shown in the following picture as below.



13. Lastly, perform the hipot test, calibration and final test as stated in the service guide.

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
29 Sep 2016	01	KT	As Published