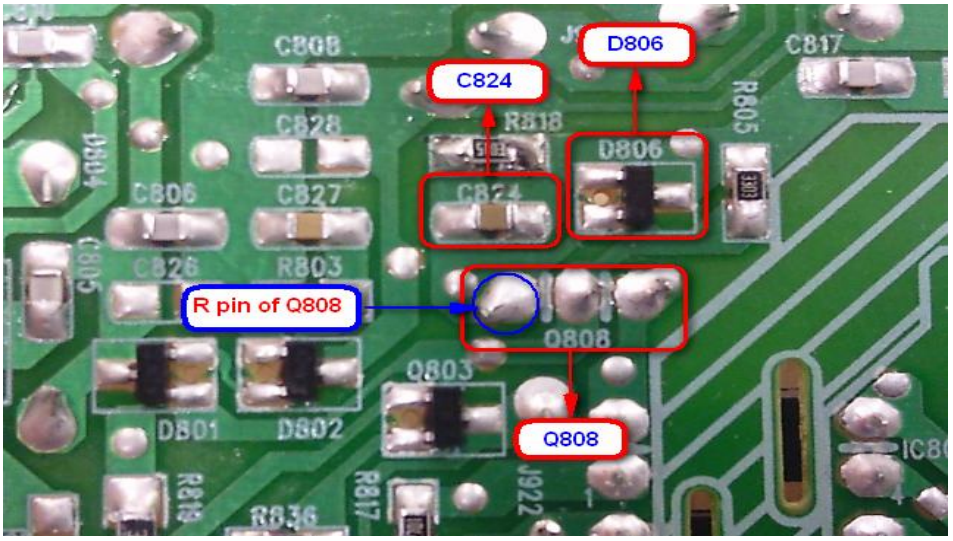
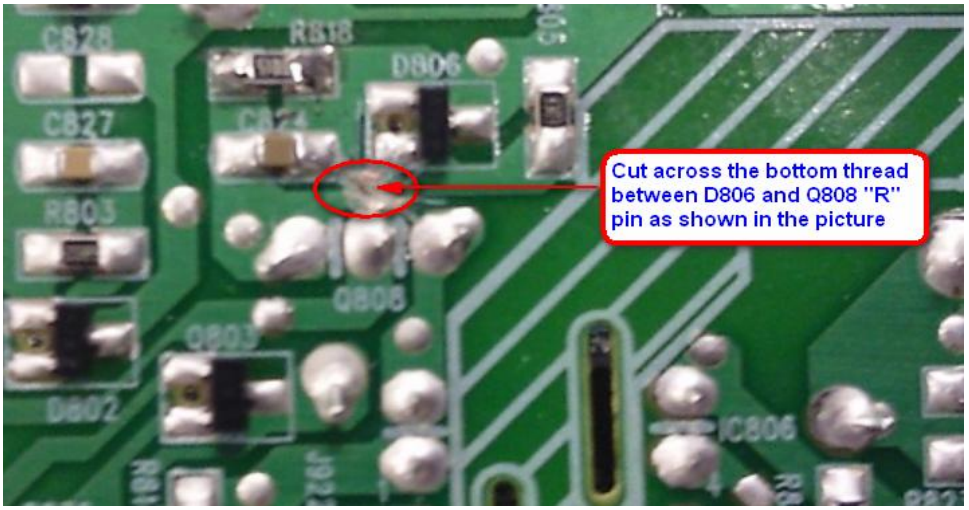
SCC 82202: Rework Instructions for Power Supply Unit



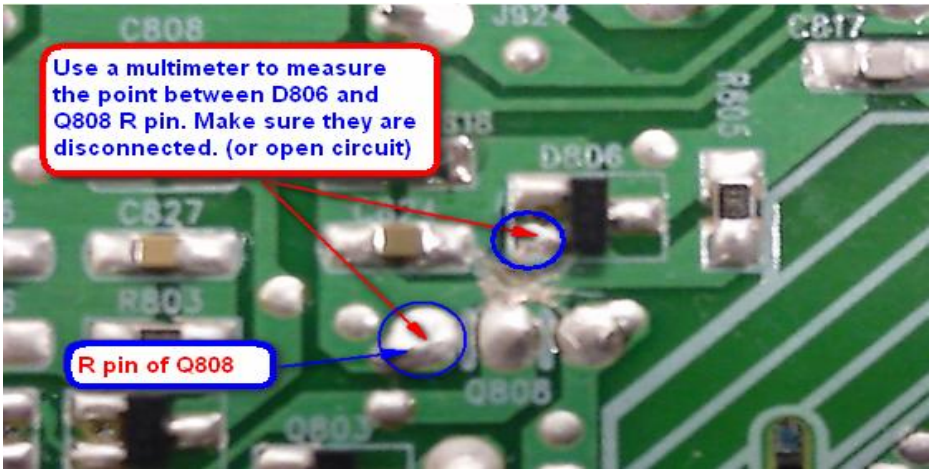
Picture 1:

This picture show the location of the 3 components C824, D806 & Q808 on the PSU.



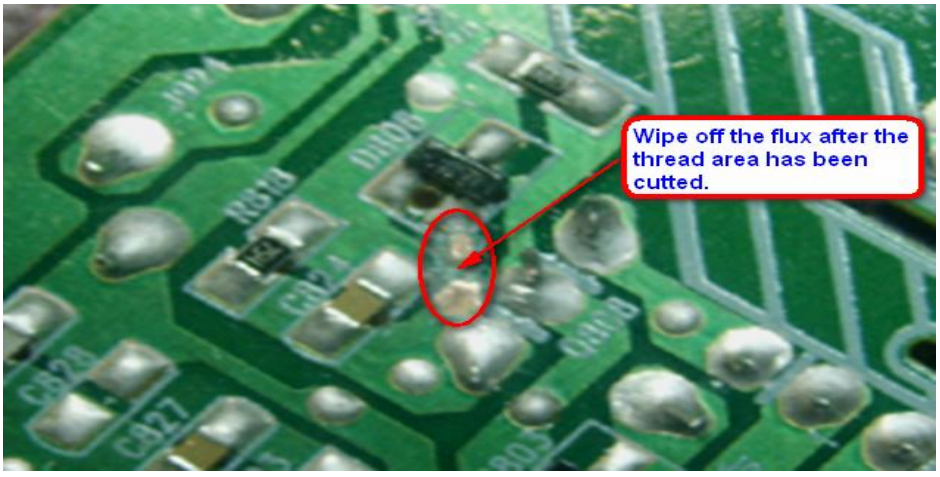
Picture 2:

Use a knife-jig and cut off the bottom thread of D806. Make sure that the green lacquer of the thread is removed between component D806 & Q808 "R pin" (as shown above).



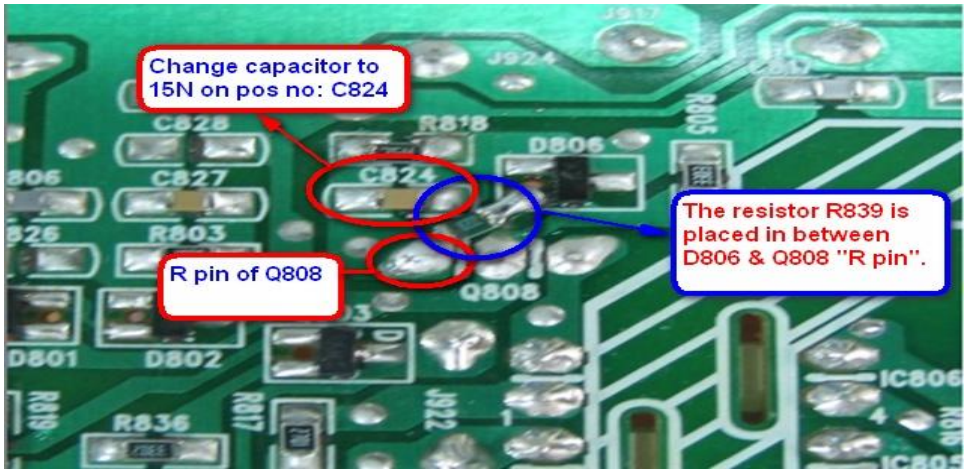
Picture 3:

After that, use a multimeter to measure the 2 point as shown above and make sure the components between D806 & Q808 "R pin" are open circuit.



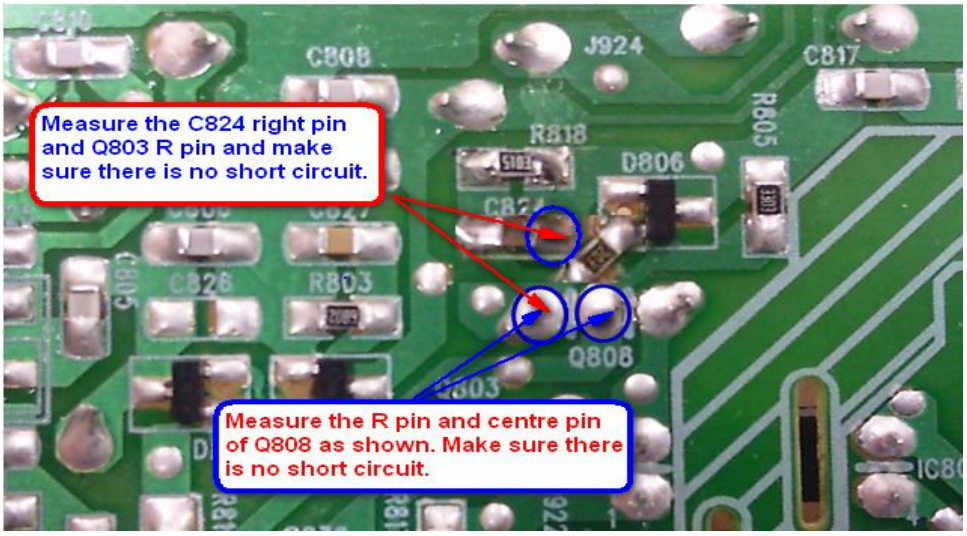
Picture 4:

After that, wipe off the flux after the copper thread (or green lacquer) is cut off.



Picture 5

On position nbr: C824, replace it with capacitor of 15nF. Then add a resistor of 20K ohm on position nbr: R839 and solder the 2 points between D806 and Q808 R pin. Refer to table A for the order code (or 12NC) of the resistor and capacitor.



Picture 6

As shown in picture 6, please use a multimeter to test the pins of C824 and Q808 and ensure they are not short circuit.

Picture 7:

Remove the IC on position Q807.
Add a capacitor on C920 and C916. (Refer to Table A)

Table A				Order via Farnell
Position Number	**PCM code**	**12NC**	**Description**	
C824 (cap.)	065G080515332K	996510023644	CAP 0805 15N 50V X7R 10%	Click here
R839 (res.)	061G08052002FY	996510039345	RST CHIP 20K 1/8W 1%	Click here
C916 (cap.)	065G080510332K	996510021803	CAP 0805 10N 50V X7R 10%	Click here
C920 (cap.)	067G 3052297CT	996510027324	ELCAP 2.2uF 50V radial 105deg	Click here
Delete Q807	056G 158 12	996500036054	KIA431A-AT/P TO-92	

Note: Please check the soldering quality of each pin and make sure they are soldered properly after it is