SV-S1616D-300B VOLTAGE MEASUREMENT 7.5 K dropping resistor

※ Please observe the following points to prevent electric shock。
★When measuring the voltage, wear protective gear such as work gloves. Do not touch the chassis or terminals with your bare hands。
★When connecting other devices such as measuring insturments, only turn on the power after ensuring all connections are complete
★When the power is turned on, do not touch the devices with your bare hands

Nearly 500V is applied to the plate circuit of SV-S1616D 300B type. Pay careful attention to the tester range when measuring voltage. Do not touch anything by accident.

○Insert the vacuum tubes and turn on the power. If there are no visual abnormalities or odors, measure the voltage of each part and record them in the "Production Time"column.
There is no problem if it is within the range of the reference value.

※Attach and tighten the black probe of the tester to a black (ground) SP (speaker) terminal., Then apply the red probe to each voltage measuring location and record the voltages. Pay attention to the DC measurement range of the tester. At a minimun, a 1000V full scale autorange digital tester is required. The voltage value on the right is a guide.

◎ If there are abnormalities in testing, or the voltage values are abnormal, turn the power OFF and wait for 10 minutes to allow for the power supply capacitors to completely discharge. Then start the procedure again.

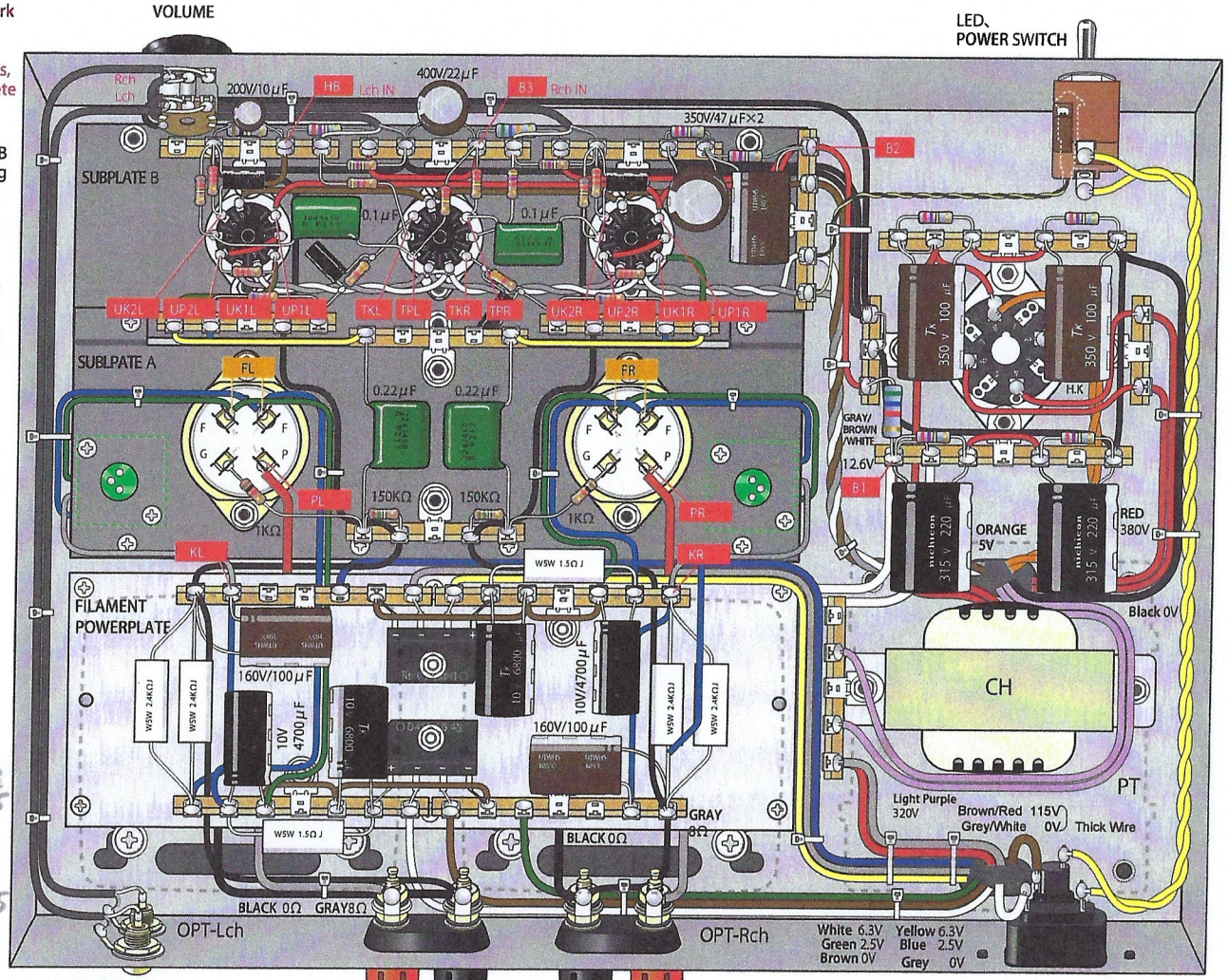
5U4GB

POWER SUPPLY VOLTAGE V

+B VOLTAGE 1	450~550V	B1	466			
+B VOLATGE 2	380~470V	B2	388			
+B VOLTAGE 3	270~330V	B3	269			
T7,U7 HEATER BIAS	70~90V	HB	72			
300B PLATE VOLTAGE	440~540V	PL	454	PR	457	
300B CATHODE VOLTAGE	70~100V	KL	81	KR	82	323
12AU7 PLATE VOLTAGE①	380~470V	UP1L	387	UP1R	386	325
12AU7 CATHODE VOLTAGE③	200~250V	UK1L	203	UK1R	199	8
12AU7 PLATE VOLTAGE⑥	190~240V	UP2L	195	UP2R	193	6
12AU7 CATHODE VOLTAGE⑧	7.5~11.4V	UK2L	8.23	UK2R	8.27	8.25
12AT7 PLATE VOLTAGE	100~160V	TPL	115	TPR	114	
12AT7 CATHODE VOLTAGE	1.8~3.4V	TKL	2.33	TKR	2.37	

300B FILAMENT VOLTAGE	4.5~5.0V	FL	5.09	FR	5.02

For the filament voltage, apply tester probe + to ① and - to ④



Wiring for 230V power supply voltage。