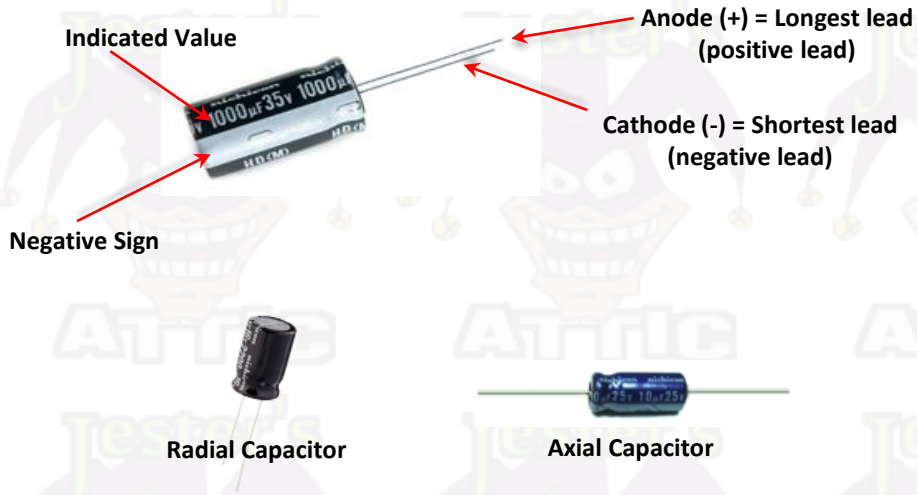




Wells Gardner K4600 Capacitor Kit



- Temperature, age, and humidity can and will change the original values of capacitors. Therefore, capacitor kits (or cap kits) are necessary.
- Always install capacitors using the correct polarity (positive to positive, negative to negative). Installing a capacitor in the wrong direction can result in damage to the electronic components, and in some cases cause fire or injury.
- Some capacitors are Bi-polar (BP) or Non-Polarized (NP). These capacitors have no positive or negative leads. It doesn't matter which direction these capacitors are installed.
- Always remove any old solder before installing new capacitors.
- For best results, use high-quality capacitors like Nichicon.

Capacitor count

Quantity	Capacitance	Voltage	Type
1	.1 uF	1600V	Film
2	1 uF	50V	Electrolytic
2	10 uF	160V	Electrolytic
1	10 uF	25V	Electrolytic
1	10 uF	50V	Electrolytic
1	10 uF	160V	Electrolytic
1	100 uF	25V	Electrolytic
2	1000 uF	35V	Electrolytic
1	1000 uF	16V	Electrolytic
1	2.2 uF	50V	Electrolytic (Non-Polar)
1	2.2 uF	50V	Electrolytic
2	22 uF	16V	Electrolytic
1	220 uF	25V	Electrolytic
1	220 uF	10V	Electrolytic
1	33 uF	25V	Electrolytic
1	330 uF	200V	Electrolytic
1	4.7 uF	25V	Electrolytic
1	4.7 uF	160V	Electrolytic
1	47 uF	160V	Electrolytic
1	47 uF	6.3V	Electrolytic
1	47 uF	50V	Electrolytic
1	470 uF	25V	Electrolytic
26	Total		

Note: Certain capacitors will not be available for all the exact voltages listed above. It is perfectly acceptable to use a higher voltage capacitor with the same capacitance as a replacement. However, **NEVER** use a lower voltage capacitor as a replacement! In addition, it is not uncommon to see some models of K4600 boards not use every capacitor on this list.

Capacitors by board

K4600 Main PCB

#	Capacitance	Voltage	Type
C605	330 uF	200V	Electrolytic
C607	10 uF	160V	Electrolytic
C608	47 uF	160V	Electrolytic
C613	220 uF	25V	Electrolytic
C614	33 uF	25V	Electrolytic
C617	1 uF	50V	Electrolytic
C619	1 uF	50V	Electrolytic
C621	.1 uF	1600V	Film
C622	1000 uF	35V	Electrolytic
C623	470 uF	25V	Electrolytic
C624	100 uF	25V	Electrolytic
C625	10 uF	160V	Electrolytic
C632	47 uF	6.3V	Electrolytic
C633	2.2 uF	50V	Electrolytic (Non-Polar)

K4600 Horizontal-Vertical PCB

#	Capacitance	Voltage	Type
C306	2.2 uF	50V	Electrolytic
C310	22 uF	16V	Electrolytic
C311	1000 uF	35V	Electrolytic
C313	47 uF	50V	Electrolytic
C315	10 uF	25V	Electrolytic
C356	4.7 uF	25V	Electrolytic
C359	4.7 uF	160V	Electrolytic
C362	10 uF	50V	Electrolytic

K4600 Power PCB

#	Capacitance	Voltage	Type
C501	10 uF	160V	Electrolytic
C503	22 uF	16V	Electrolytic
C551	220 uF	10V	Electrolytic

K4600 Video Interface PCB

#	Capacitance	Voltage	Type
C201	1000 uF	16V	Electrolytic

K4600 Main PCB Capacitor Map

C607

C605

C619

C624

C621 (Axial/Film)

C622

C623

C632

C625

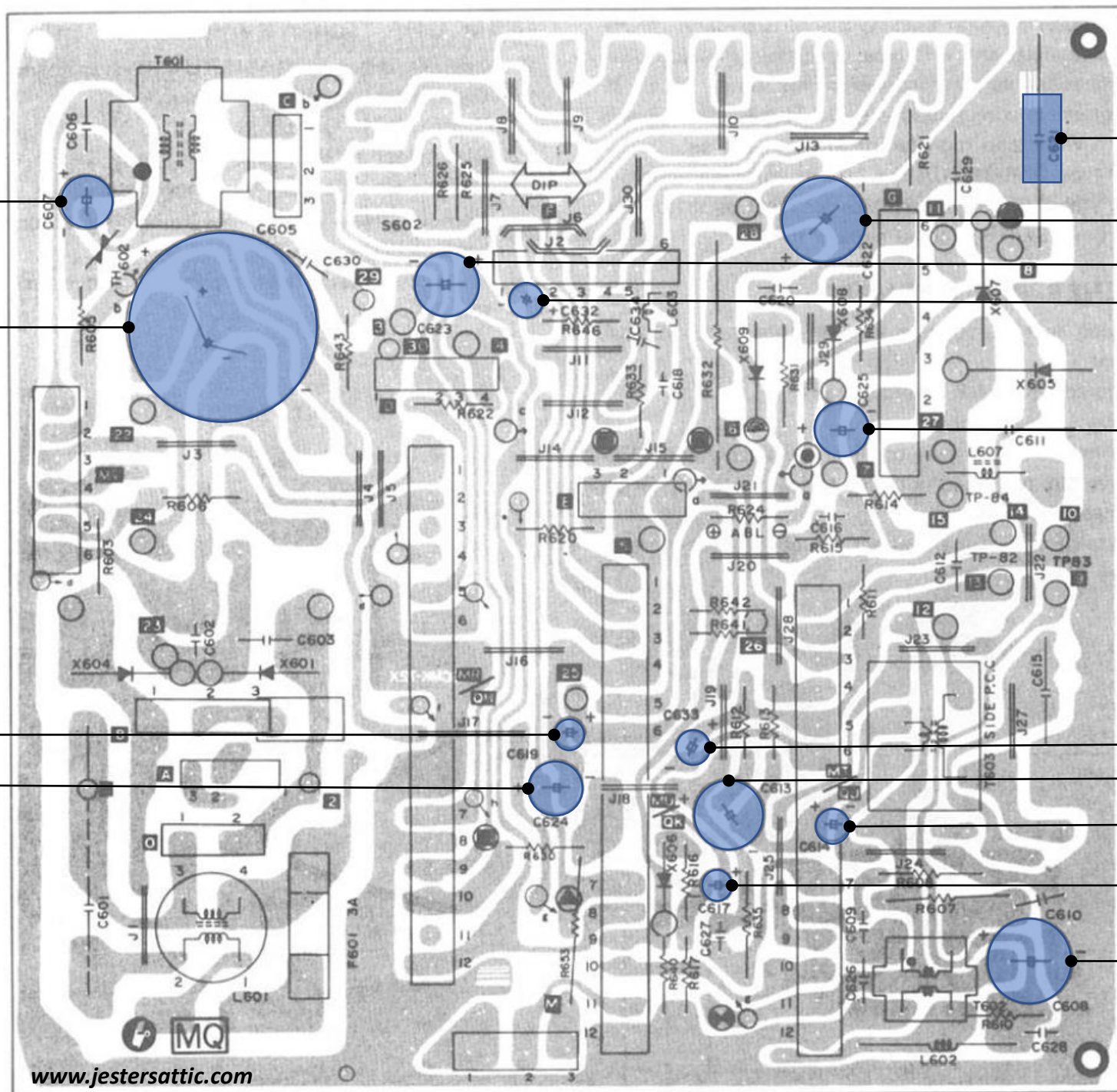
C633 (Non-Polar)

C613

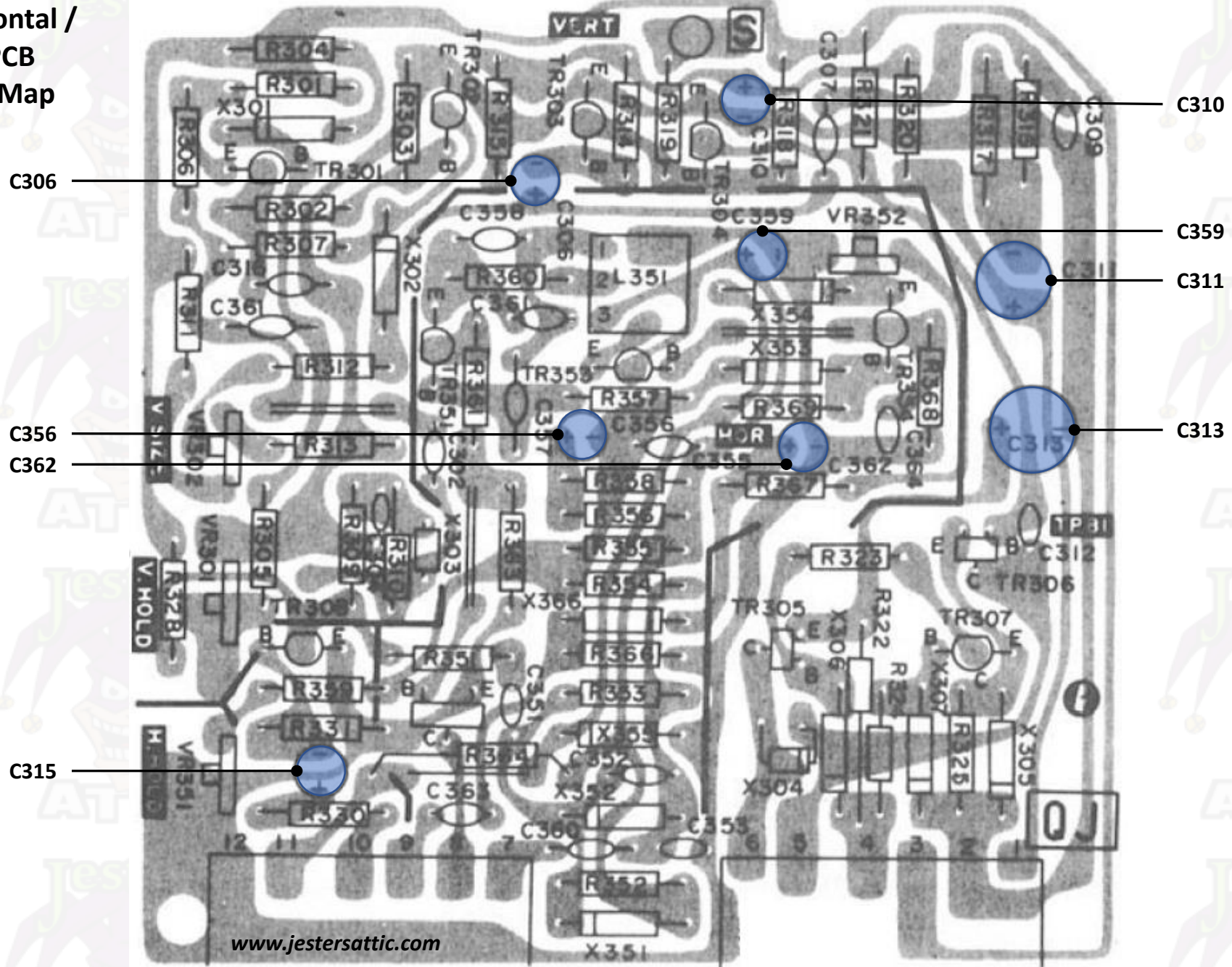
C614

C617

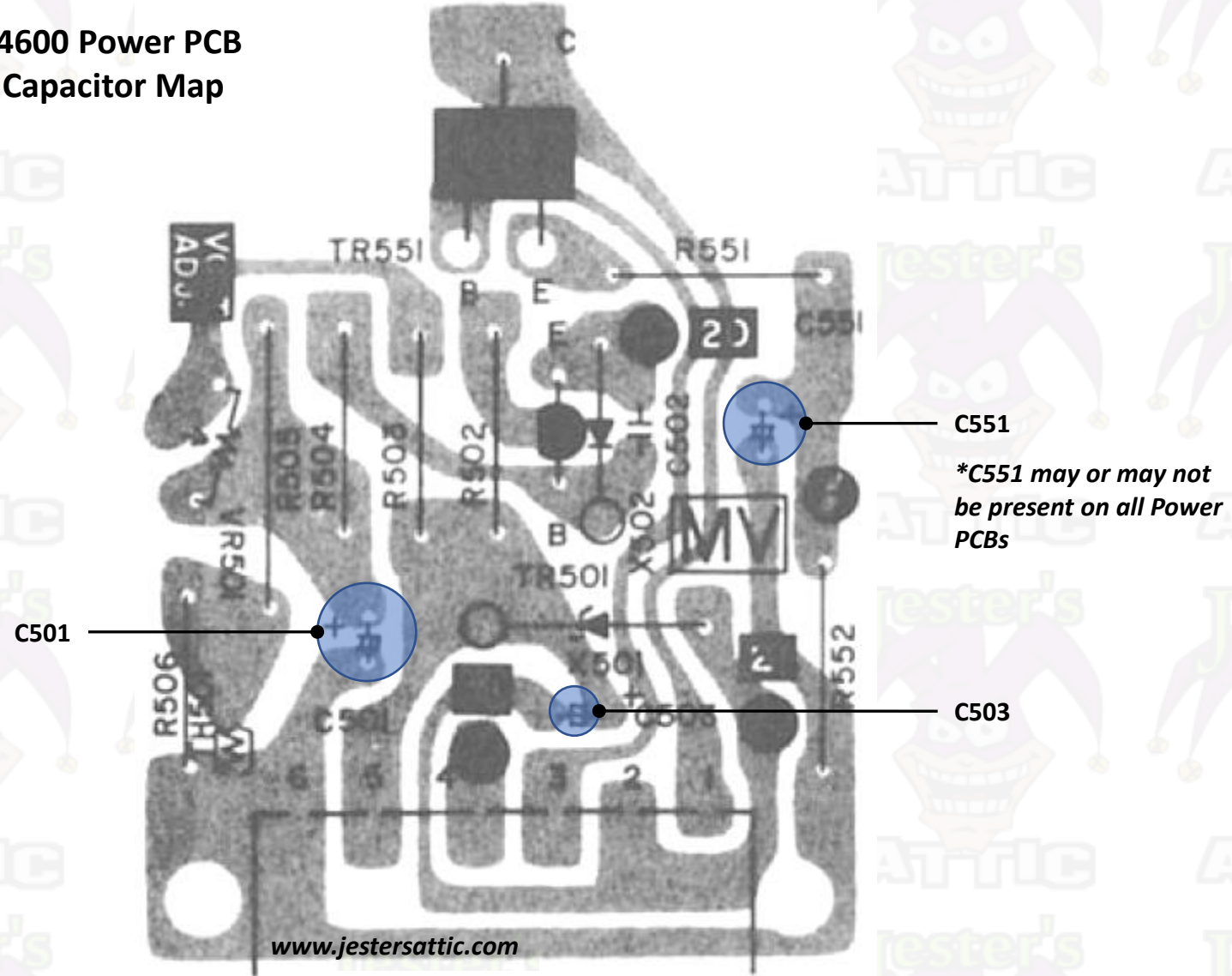
C608



K4600 Horizontal /
Vertical PCB
Capacitor Map



K4600 Power PCB
Capacitor Map



K4600 Video Interface PCB
Capacitor Map

