

Atari A/R II-02 PCB Repair Kit

Caps

1uf50v	C22/C23
22uf35v	C24/C31
470uf25v	C1/C4/C12
1000uf25v	C13
3300uf35v	C9/C10/C18/C19

Resistor

10ohms R30 If burnt, check game pcb edge connector for bad pins.

Voltage Regulators

7812	Q8
7905	Q9

Transistors

2N6107	Q2
2N3055	Q3

The actual voltage rating value may be higher than stated & only serves for a higher safety margin, & is a perfectly acceptable replacement. Do not use a lower than stated voltage rating.

Axial lead capacitors are clearly marked on the body & usually have a stripe that has the + or - symbol within it & an arrowhead pointing to the correct end of the capacitor. It is simple to determine the polarity without this marking, as the negative side is always the metal can & can readily be seen, whereas the positive end will have an insulator around the lead to isolate it from the can or body. The pcbs are marked with the proper polarity, but it is always best to examine them & take note that they are in agreement with the markings on the old cap before removal.

These are the most common component failures on the Atari linear power supply and should be able to effect a repair by shot gunning the pcb with them.

A good practice would be to examine the solder joints, especially around any connectors or headers, & flow a little new solder onto any that appear bad to renew the old solder enough to easily remove it, so that new solder can be flowed in to prevent cold solder joints on these connections. Examine the wiring harness portion of connections, as well, as sometimes the pins in the connector will burn or build up a coating on them that makes for a bad connection.