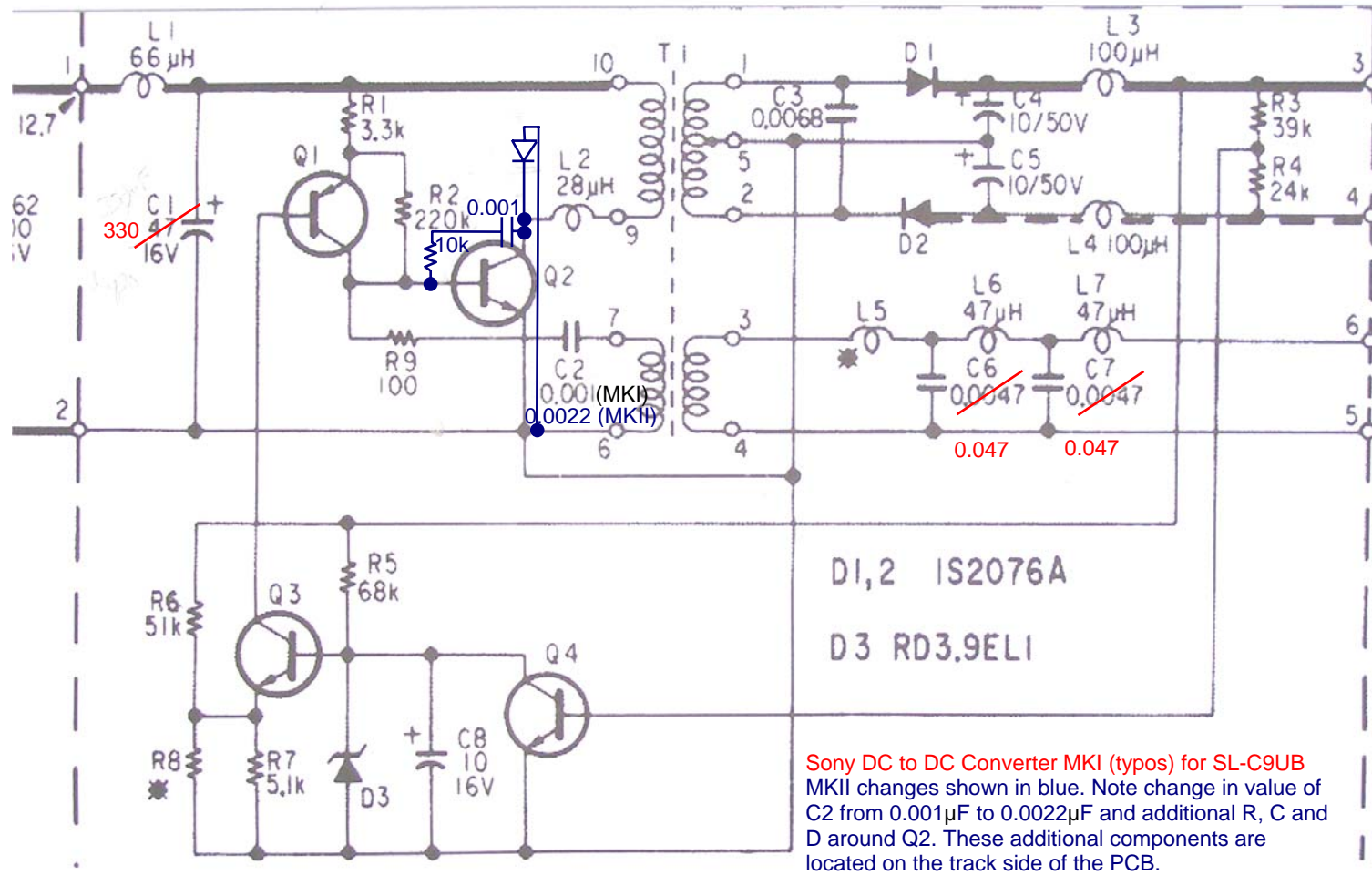


Sony DC to DC Converter Type CD-09 for SL-C9UB Betamax VCR



CD-09 Circuit

Parts List (part 1)

CD-09 (DC-DC CONV)

△.1-464-217-21 DC-DC CONVERTER (CD-09), COMPLETE

CAPACITOR

C1	△.1-123-319-00	ELECT	47MF 330MF	16V
C2	△.1-161-190-00	CERAMIC	0.001MF. 0.0022MF (MKII)	
C3	△.1-130-931-00	POLYPRO	0.0068MF	100V
C4	△.1-123-356-00	ELECT	10MF	50V
C5	△.1-123-356-00	ELECT	10MF	50V
C6	△.1-130-491-00	POLYESTER	0.047MF ✓	
C7	△.1-130-491-00	POLYESTER	0.047MF ✓	
C8	△.1-123-617-00	ELECT	10MF	16V

DIODE

D1, D2 △.8-719-815-85 DIODE 1S1585 OR 1S2076A

Sony DC to DC Converter Type CD-09 for SL-C9UB Betamax VCR

Parts List (part 2)

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
D3	△.8-719-101-40	DIODE RD3.9E-L1	
<u>COIL</u>			
L1	△.1-421-550-00	66UH	
L2	△.1-421-549-11	36UH	
L3	△.1-408-575-00	100UH	
L4	△.1-408-575-00	100UH	
L5	△.1-408-416-00	47UH	
L6	△.1-408-571-00	47UH	
L7	△.1-408-571-00	47UH	
	♣.1-608-212-00	CD-09 BOARD *****	
<u>TRANSISTOR</u>			
Q1	△.8-729-117-54	TRANSISTOR 2SA1175	
Q2	△.8-729-177-43	TRANSISTOR 2SD774 OR 2SD789	
Q3	△.8-729-178-54	TRANSISTOR 2SC2785	
Q4	△.8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R1	△.1-246-789-00	CARBON	3.3K 1/8W
R2	△.1-246-811-00	CARBON	220K 1/8W
R3	△.1-246-802-00	CARBON	39K 1/8W
R4	△.1-246-860-00	CARBON	24K 1/8W
R5	△.1-246-805-00	CARBON	68K 1/8W
R6	△.1-246-864-00	CARBON	51K 1/8W
R7	△.1-246-852-00	CARBON	5.1K 1/8W
R8	△.1-246-800-59	CARBON	27K 1/8W
R8	△.1-246-802-59	CARBON	39K 1/8W
R8	△.1-246-803-59	CARBON	47K 1/8W
R8	△.1-246-804-59	CARBON	56K 1/8W
R8	△.1-246-861-59	CARBON	30K 1/8W
R8	△.1-246-862-59	CARBON	36K 1/8W
R8	△.1-246-866-59	CARBON	75K 1/8W
R9	△.1-246-771-00	CARBON	100 1/8W
<u>TRANSFORMER</u>			
T1	△.1-447-383-00	CONV.T	

Additional Components (for MKII):-

R	CARBON	10K	1/8W
C		0.001MF	
D		UNKNOWN	

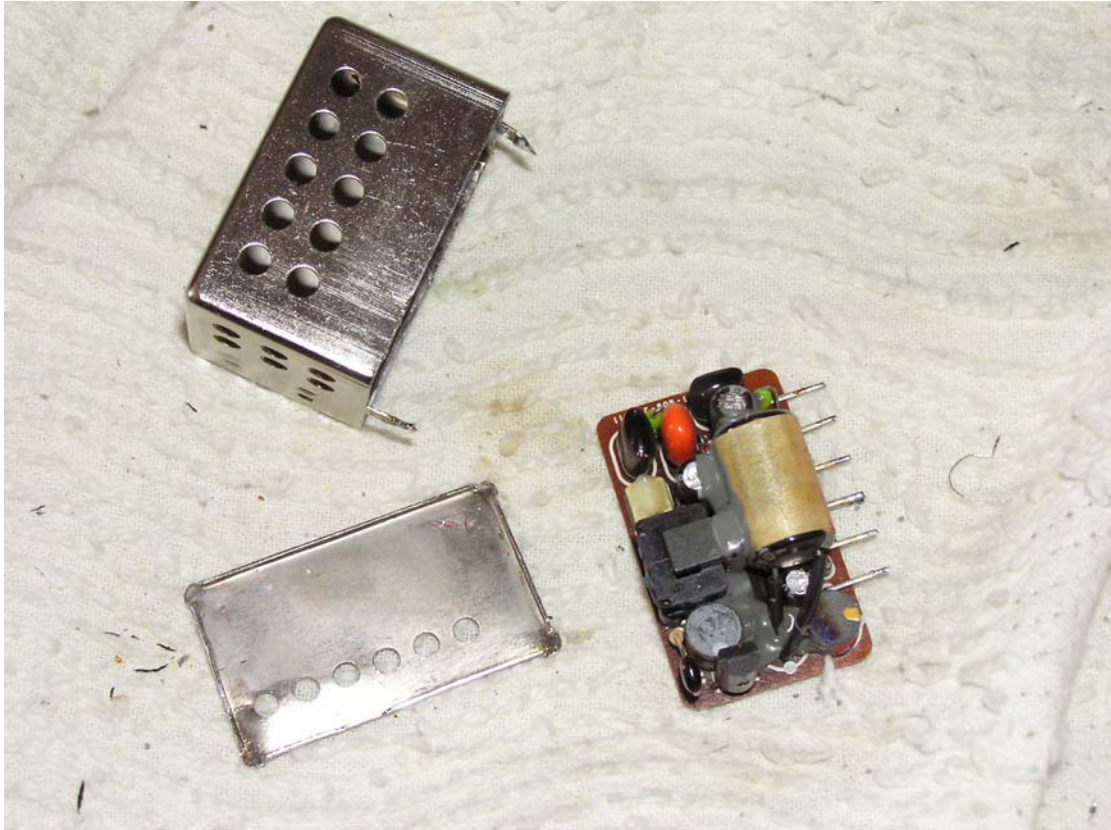


Fig. 1 – MKII, top side and out of its case

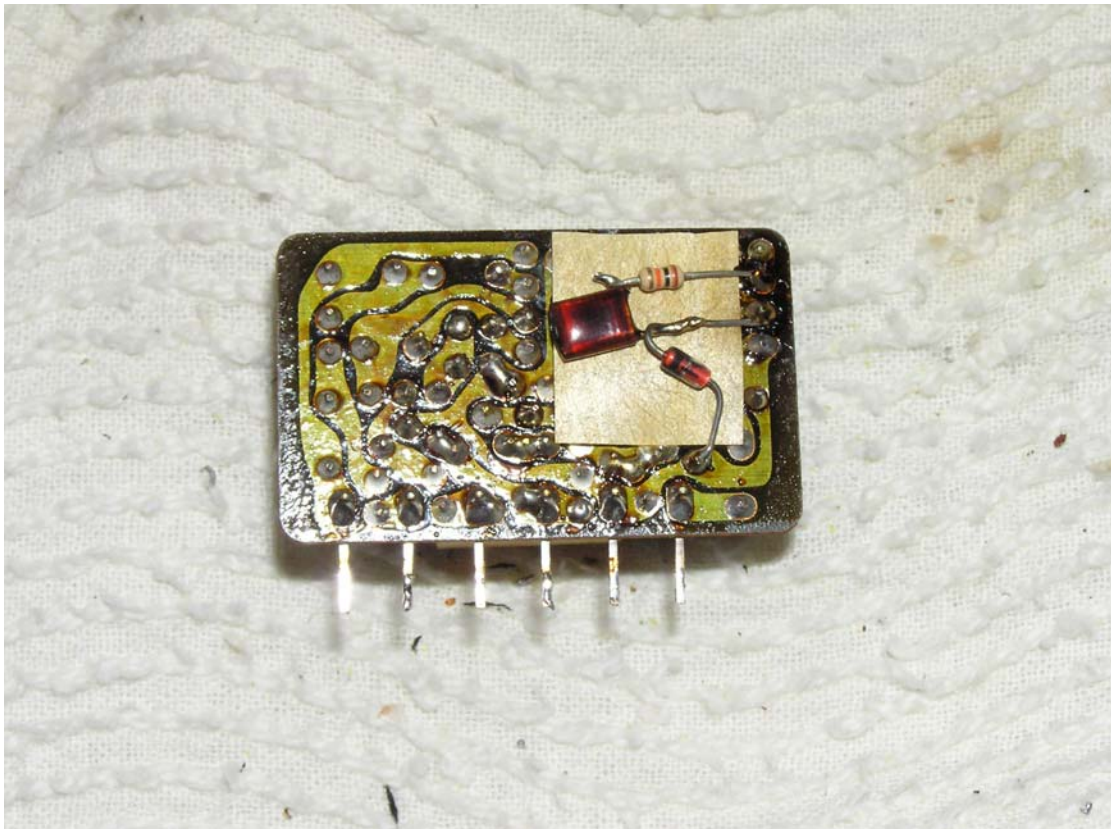


Fig. 2 – MKII, additional components track side

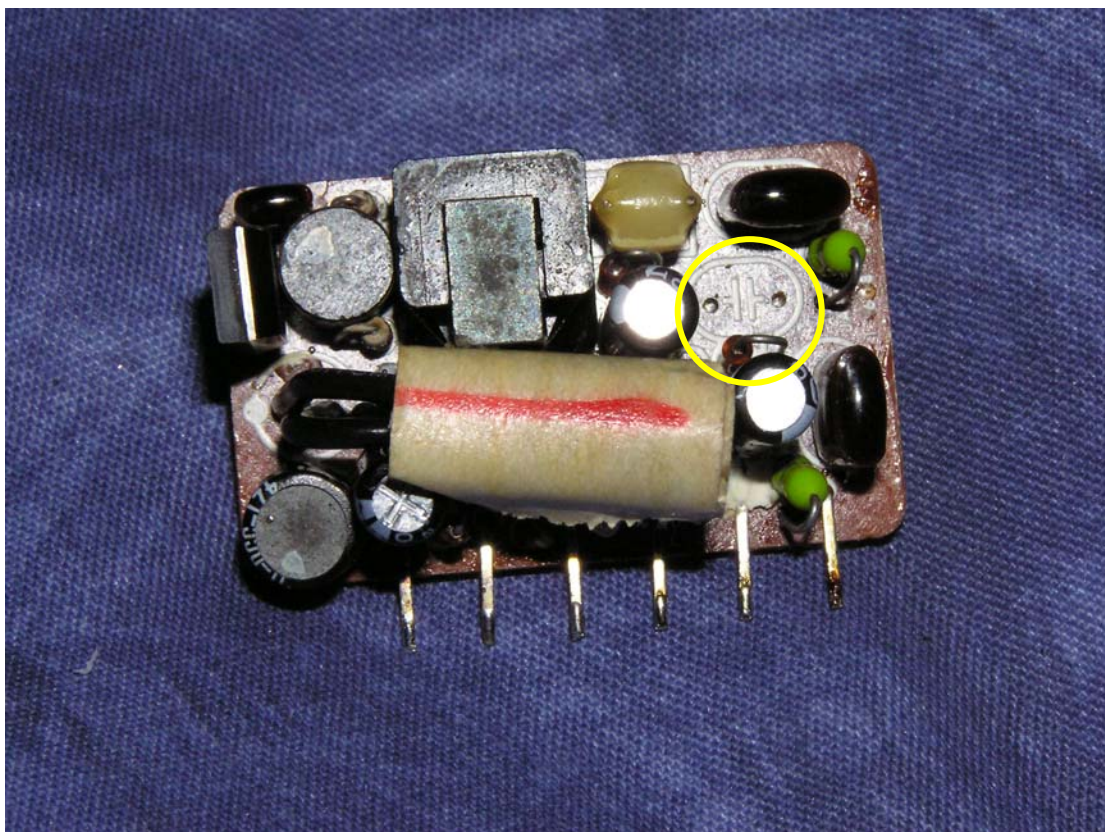


Fig. 3 – MKI, component side

Notes

*The missing capacitor (circled) was short circuit
All electrolytic capacitors were bad
Q2 duff*

Just for information:

*The red stripe on the masking paper-type wrap is against the negative side of the wrapped capacitor
No components mounted track side*

DC-DC CONVERTER (CD-09)

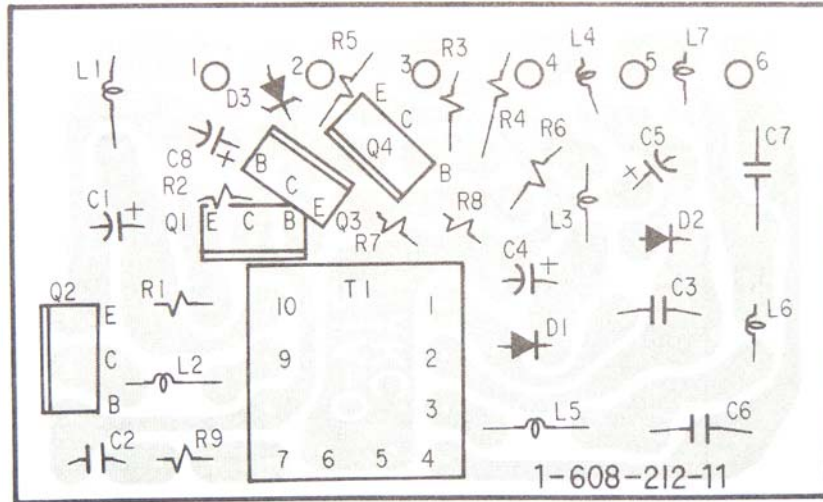


Fig. 4 – MKI, components from track side