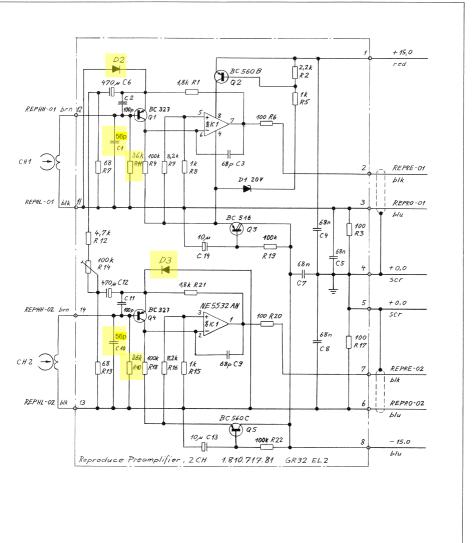
## A810 – Conversion to Amorphous Heads 1.318. ...

		No A810 tape recorder ever left the production line with built-in amorphous heads. This head core material was introduced after the end of A810 production. However, on several customer's demands, Studer manufactured corresponding sound heads and published the following conversion instructions.				
Modification	Materials: 1 1 2	Record Head 0.75 mm <b>1.318.630.00</b> or 2 mm <b>1.318.620.00</b> Repro Head 0.75 mm <b>1.318.636.00</b> or 2 mm <b>1.318.626.00</b> Repro Preamp <b>1.810.717.81</b> Adaptation PCB <b>1.820.741.00</b> For soundhead replacement and adjustment, please refer to the A810 operating and service manual.Since the PCBs mentioned above are no more available, instead of replacing the PCBs, the ones existing in the recorder have to be modified accordingly.Please remember to update the labels of the modified PCBs to the correct parameter for correct identification of the PCBs later.				
	Procedures:	Repro Preamp 1.810.717.81:Starting from a Repro Preamp 1.810.711.81, modify the following components:C1, C10 - from 100 pF to 56 pF, 5% eachR10, R11 - from 62 k $\Omega$ to 36 k $\Omega$ , 1% eachAdd D2 and D3 (1N4448) - refer to the circuit diagrams and the component layout drawings on the following pages.Adaptation PCB 1.820.741.00 (plugged to the Record Amplifier):Starting from an Adaptation PCB 1.820.740.81, modify the following components:C100 - from 22 nF to 6.8 nF, 5%C103 - from 33 nF to 22 nF, 5%R100 - from 2.2 k $\Omega$ to 4.7 k $\Omega$ , 2%R103 - from 9.1 k $\Omega$ to 6.8 k $\Omega$ , 2%R107 - from 560 $\Omega$ to 1.0 k $\Omega$ , 2%Refer to the circuit diagrams and the component layout drawings on the following pages.EQ Values:After successful modification, set the corresponding EQ values according to the table below.				

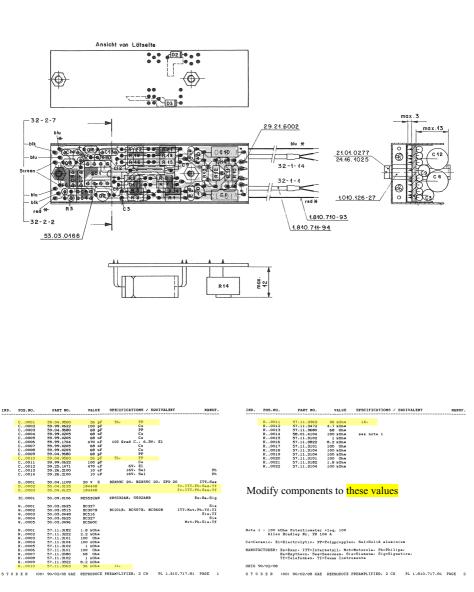
Tape Speed	3.75 ips 9,5 cm/s		ips :m/s	15 38 c	ips :m/s	30 ips 76 cm/s
EQ Std.	CCIR/NAB	CCIR	NAB	CCIR	NAB	CCIR/NAB
Repro	AE	82	68	44	68	29
Record	BB	A9	BE	C6	A5	D5
Sync	00	85	70	44	68	29

## REPRODUCE PREAMPLIFIER 2CH 1.810.717.81 GR32 EL06



8.2.90	Gämperle	A 840 Audio Section		Part of GR 32
STUDER	Reproduce Pr	eamplifier 2 CH	SC 1. 810. 717-81	PAGE 1 OF 1

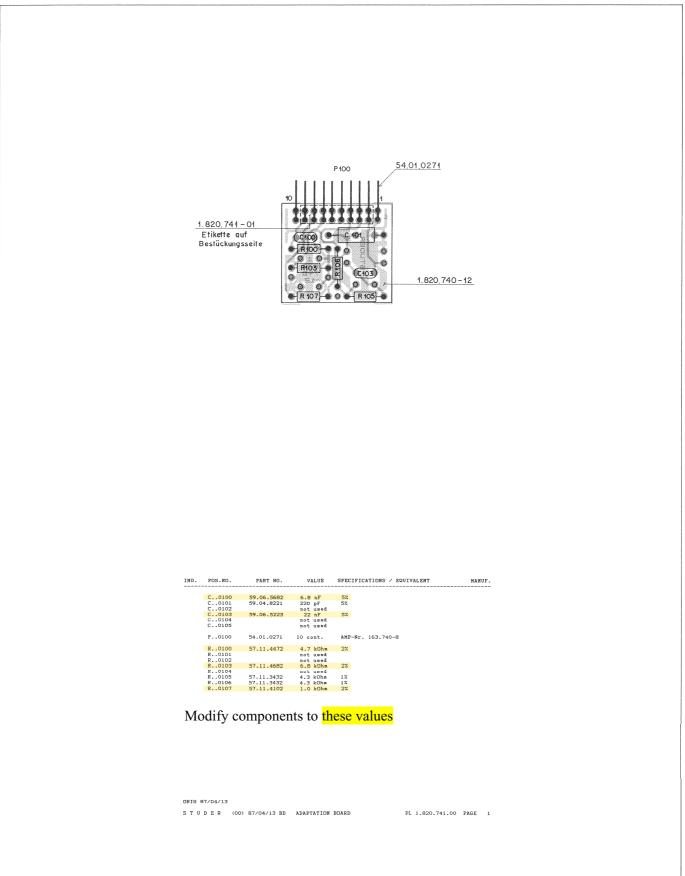
## **REPRODUCE PREAMPLIFIER 2CH 1.810.717.81**



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## ADAPTATION BOARD 1.820.741.00



SECTION 9/57

A810

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