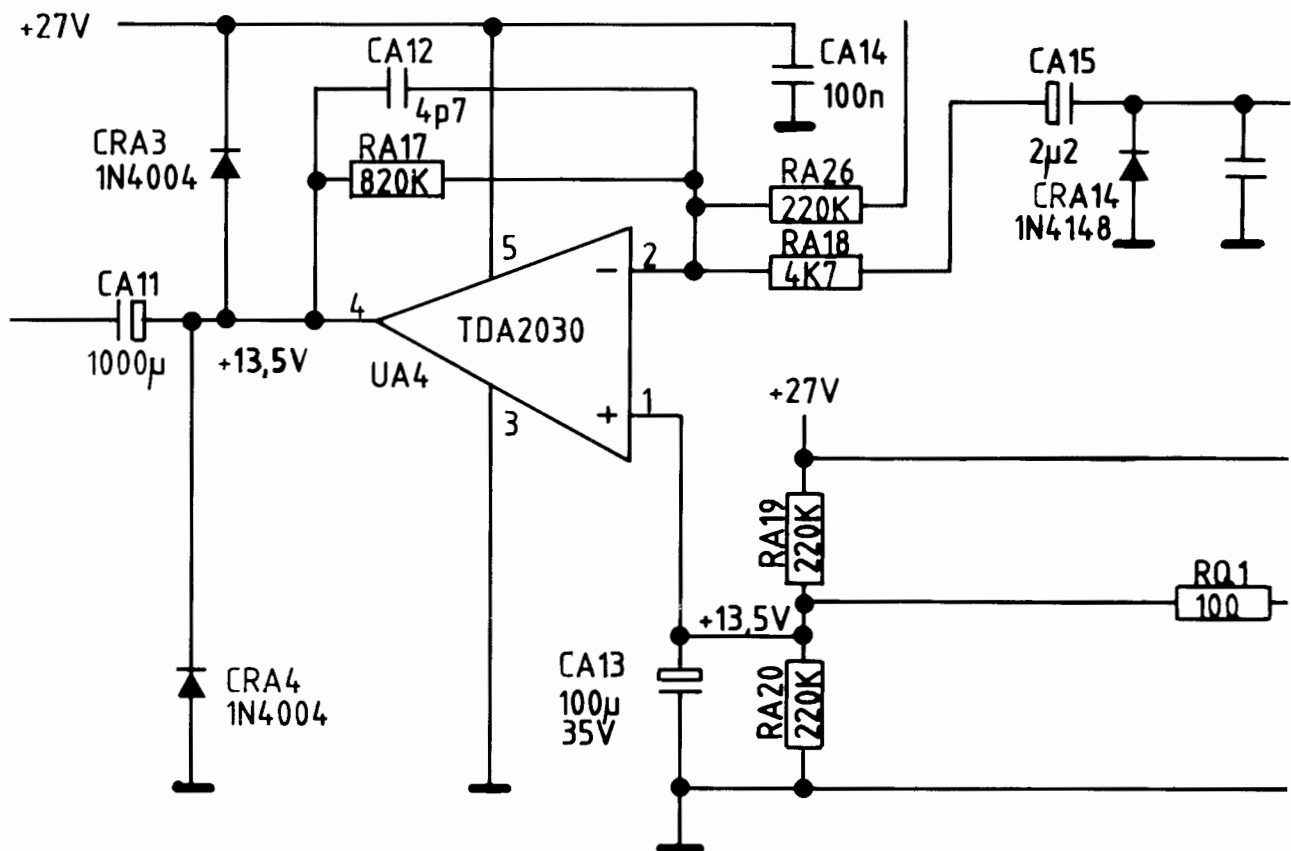




TCR 522/TCCR 530/TCR 555/TAL 812

Circuit Diagrams

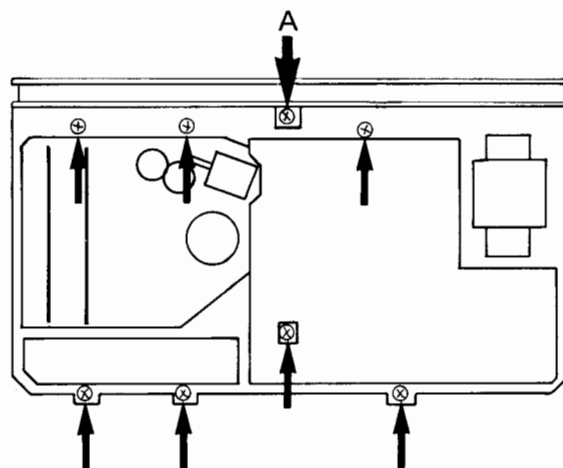


	Page
Removing the cabinet	3
Dismantling the worm-gear	3
Adjusting the potentiometer	4
TCR 522 Free Head, input board	5
TCR 522 logic diagram, to serial No. 818 05993	6
TCR 522 audio diagram, to serial No. 818 05993	7
TCR 522 logic diagram, from serial No. 818 05994	8
TCR 522 audio diagram, from serial No. 818 05994	9
TCCR 530 logic diagram	10
TCCR 530/TAL 812 serial interface diagram	11
TCCR 530 audio diagram	13
TCR 555 logic diagram	14
TCR 555 audio diagram	15
TAL 812 logic diagram	16
TCCR 530/TAL 812 serial interface diagram	17
TAL 812 audio diagram	19
TCCR 530/TAL 812 serial interface board	20
TCR 522/TCCR 530/TCR 555 input board	20
TCR 522/TCCR 530 audio board	20
TCR 555 audio board	20
TCR 555 switch board	20
TAL 812 input board	20
TCR 522/TCCR 530/TAL 812 control board	21
TCR 555 indicator board	21
TAL 812 amplifier board	21
TCR 522/TCCR 530/TCR 555/TAL 812 capstan amplifier board	21
TCR 522/TCCR 530/TCR 555/TAL 812 servo amplifier board	21
TCR 522/TCCR 530/TAL 812 display board	21
TCR 522/TCCR 530/TCR 555 main board	22
TAL 812 main board	22

Removing the cabinet

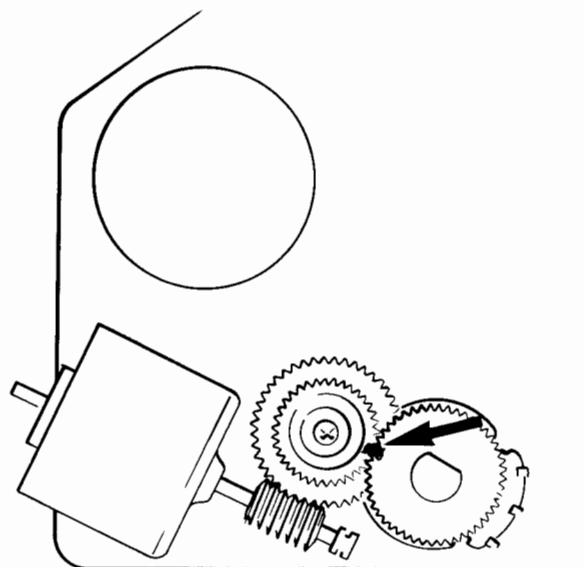
WARNING! Do not lay the units straight down on the workbench so that the front panel is scratched. Use a plastic foam pad or something similar to protect the front panel.

- To remove the base plate, remove the 7 screws.
- To remove the back panel, remove screws A as shown in the figure.
- To remove the front panel, remove the 7 screws as shown in the figure.



Dismantling the worm-gear

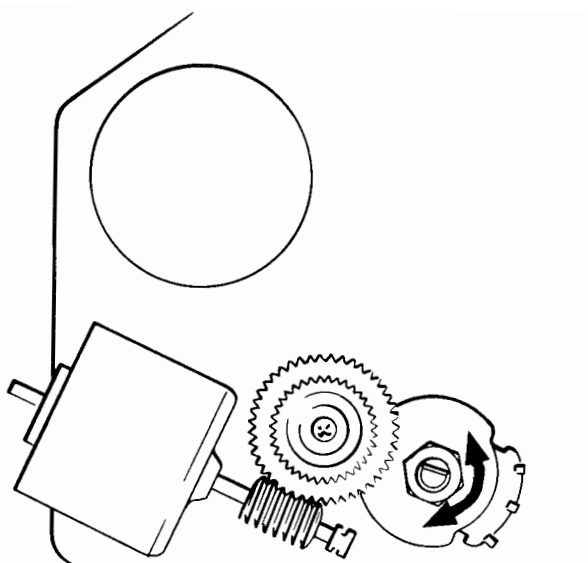
- Before the gear wheel on the potentiometer is removed, **mark the position of the gear wheels on the inside** with e.g. a felt-tip pen as shown in the figure.
- Pull the gear wheel off the potentiometer.
- Remove the screw in the gear wheel for the position-washer and pull the gear wheel out, see figure. The position-washer is now loose.
- When the gear wheel and cam are assembled, take note that these two only fit together in one position. Do not tighten the screw too much, since it can cause the gear wheel to run sluggish.
- Replace the gear wheel for the potentiometer so that the felt-tip pen mark comes into the right position.
- Insert a cassette into the recorder and check that the tape transport works.



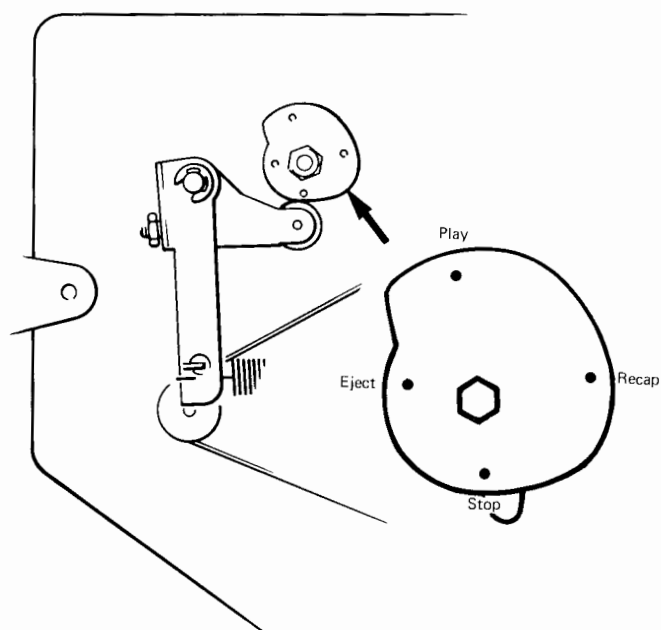
Adjusting the potentiometer

If the gear wheels have not been marked with a felt-tip pen, adjust the cam as follows:

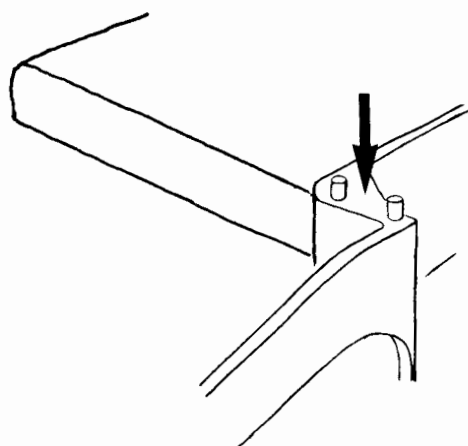
- Assemble the cam and gear wheel together. Do not tighten the screw too much.
- Connect the mains plug for the recorder.
- Turn the potentiometer spindle until the worm-gear motor stops, see figure. When the stop-point is reached the potentiometer must not be touched again.
- Switch off the recorder.

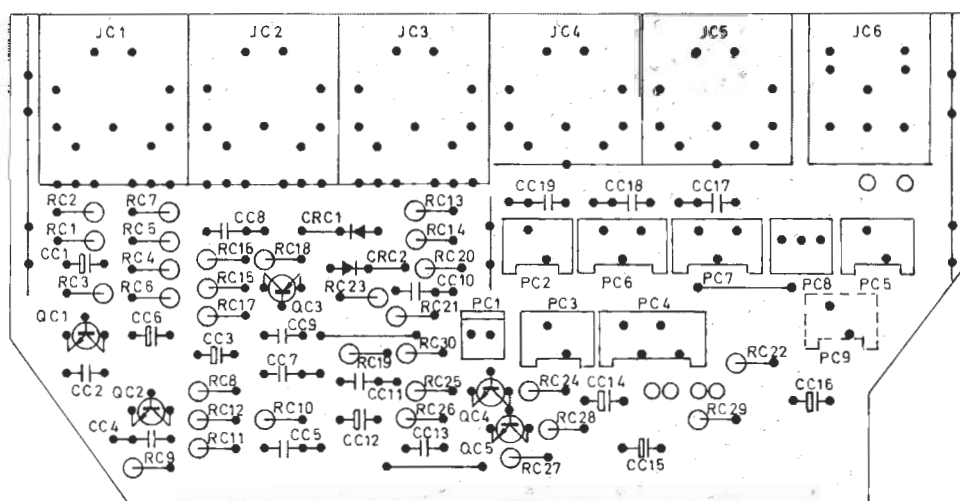
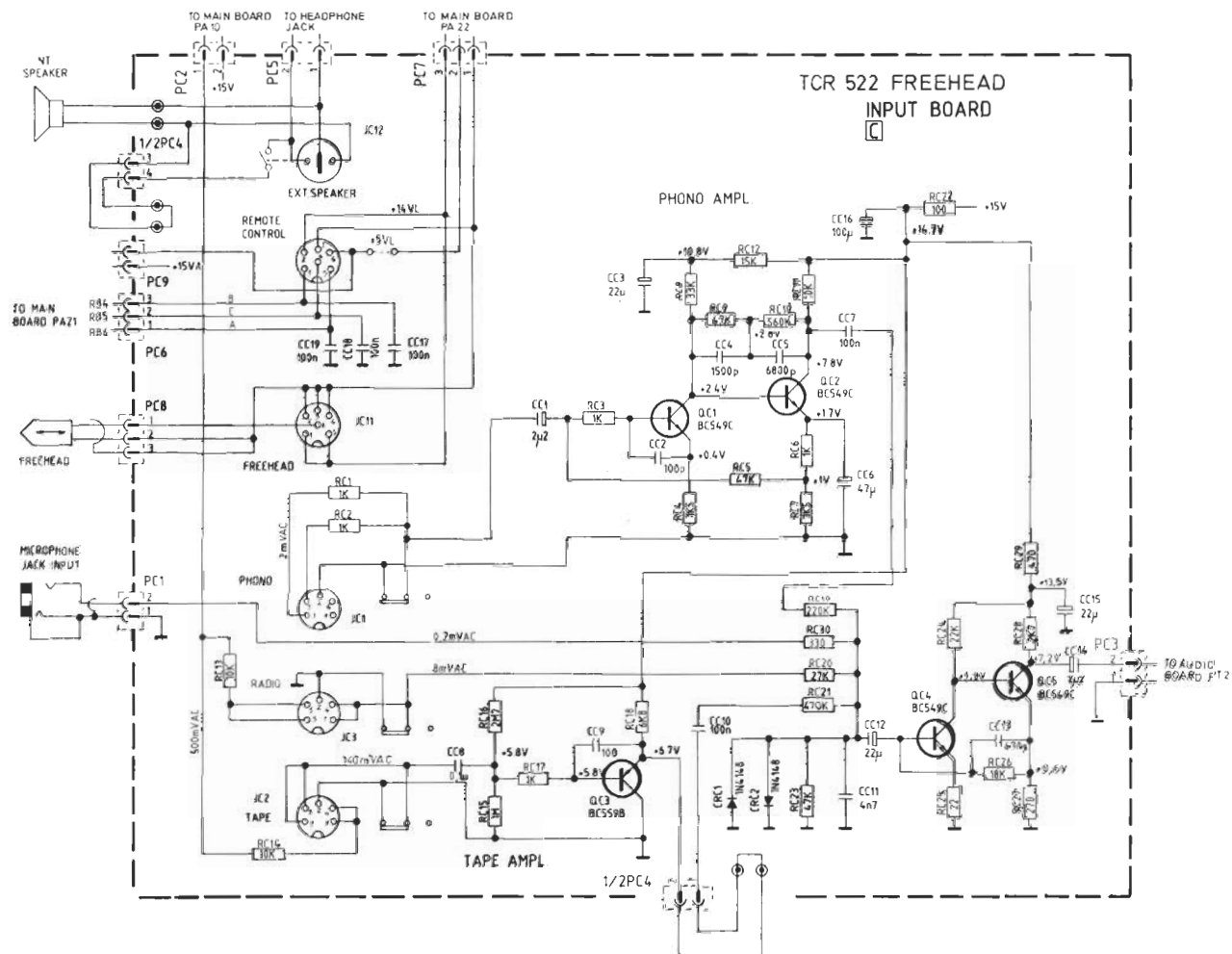


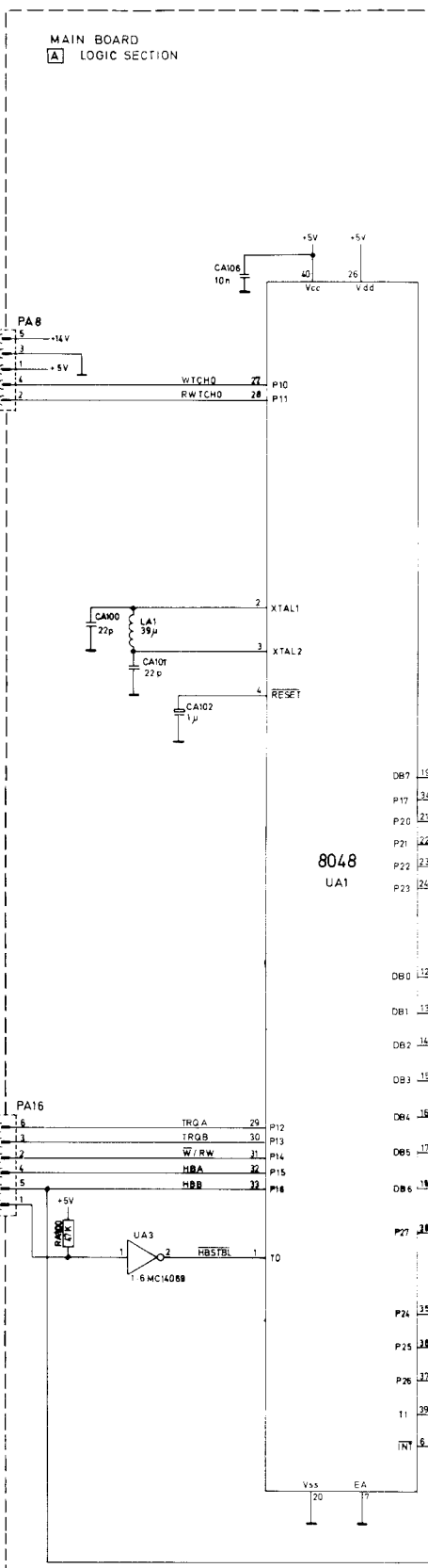
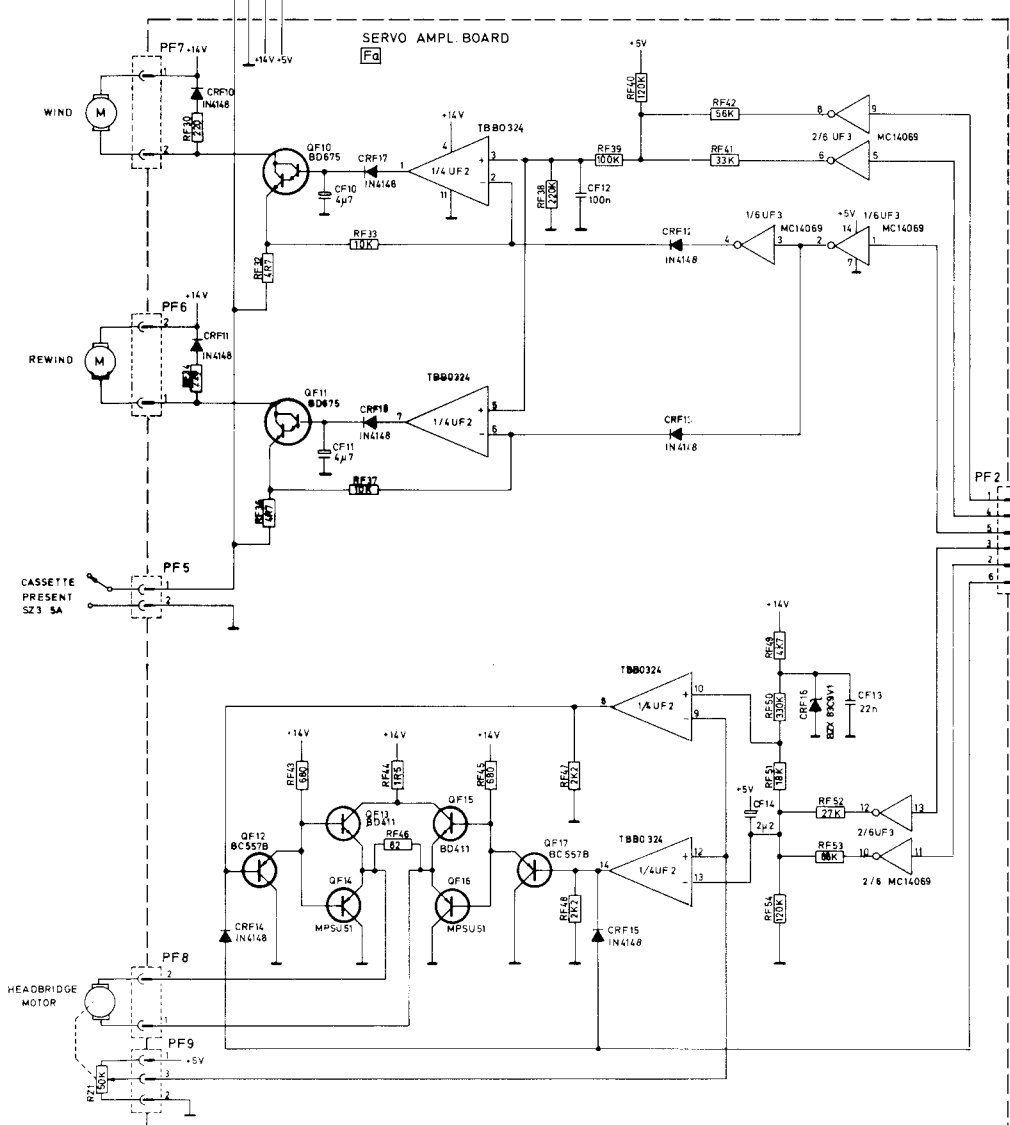
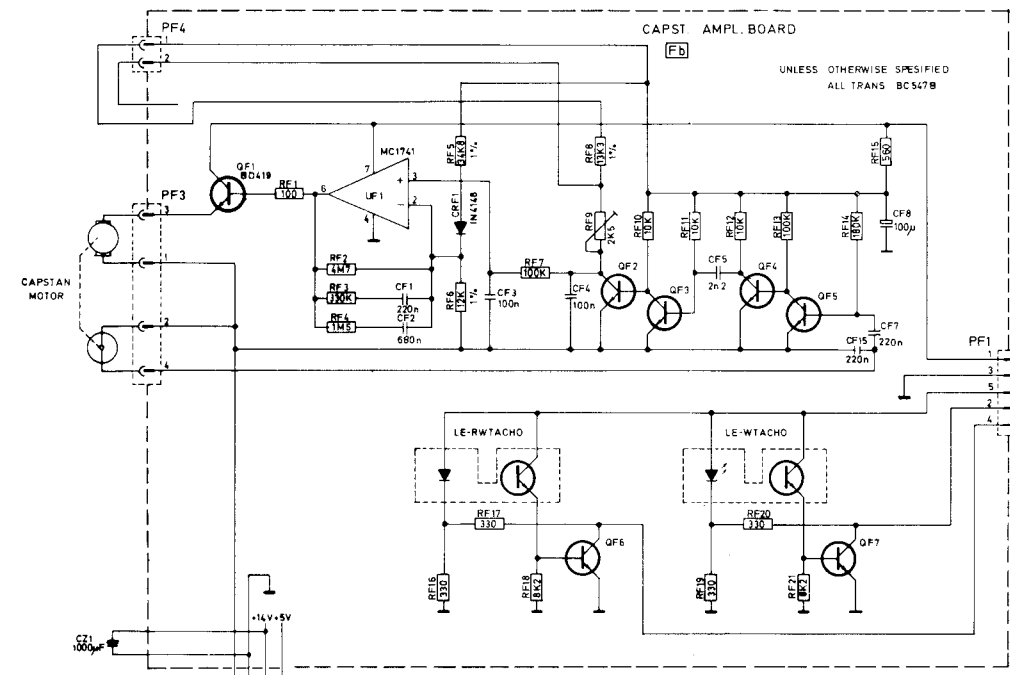
- Turn the worm-gear motor until the cam comes to the Stop position, see figure.
- Take care not to turn the potentiometer spindle when the gear wheel is put back.
- Insert a cassette and check that the tape transport works.



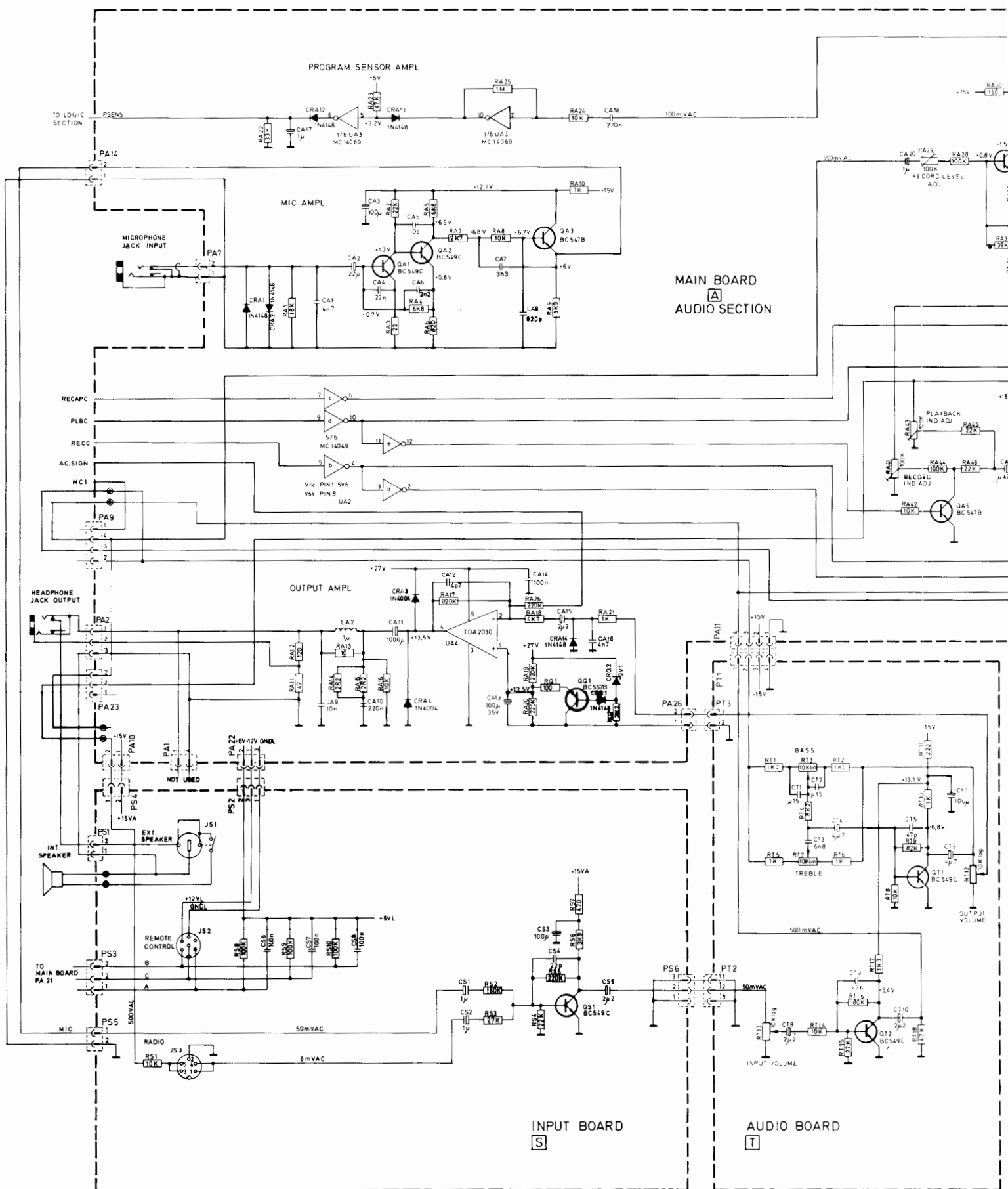
When the front panel is assembled, take care that the spring for the cassette compartment comes into the correct position, see figure.



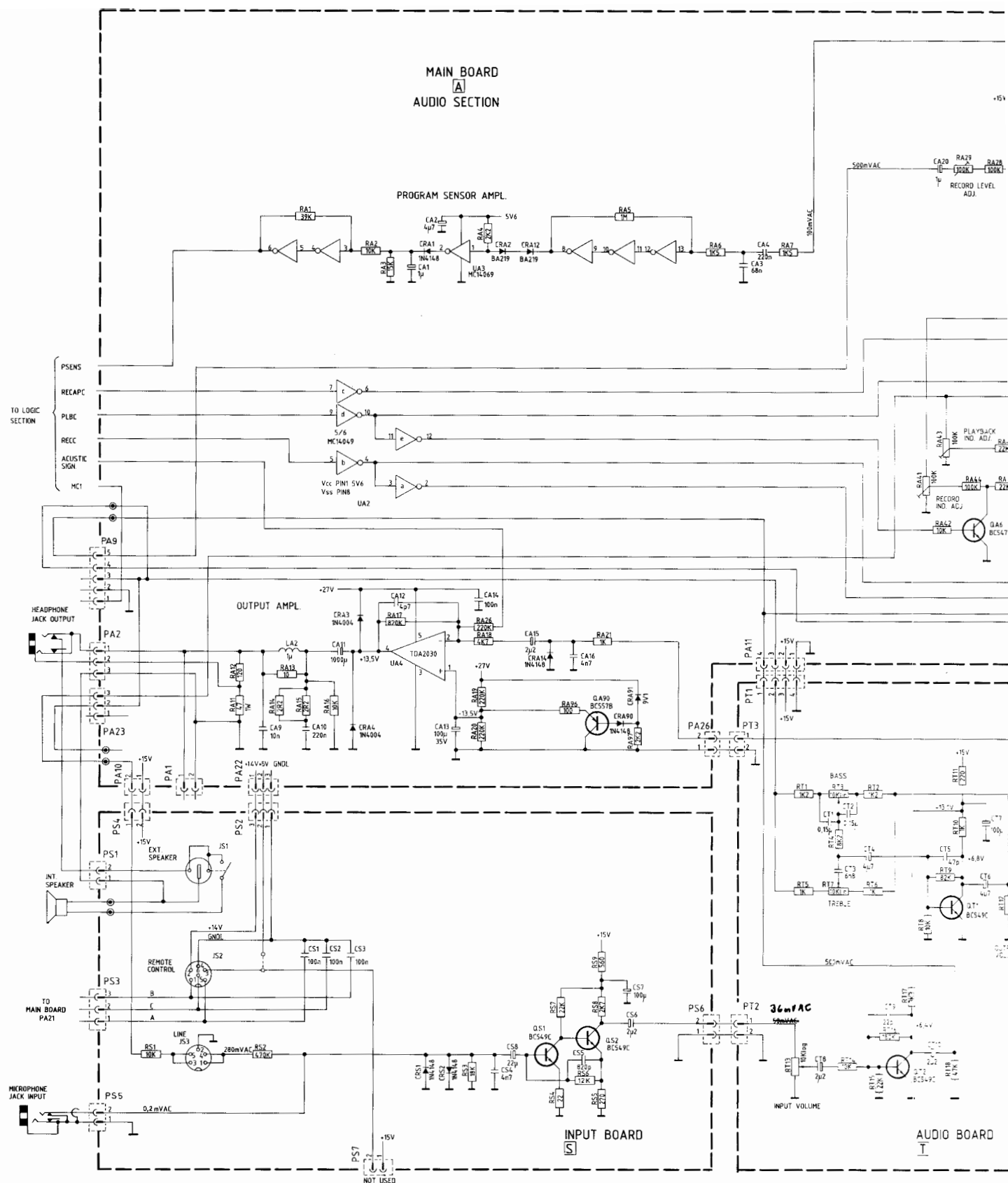


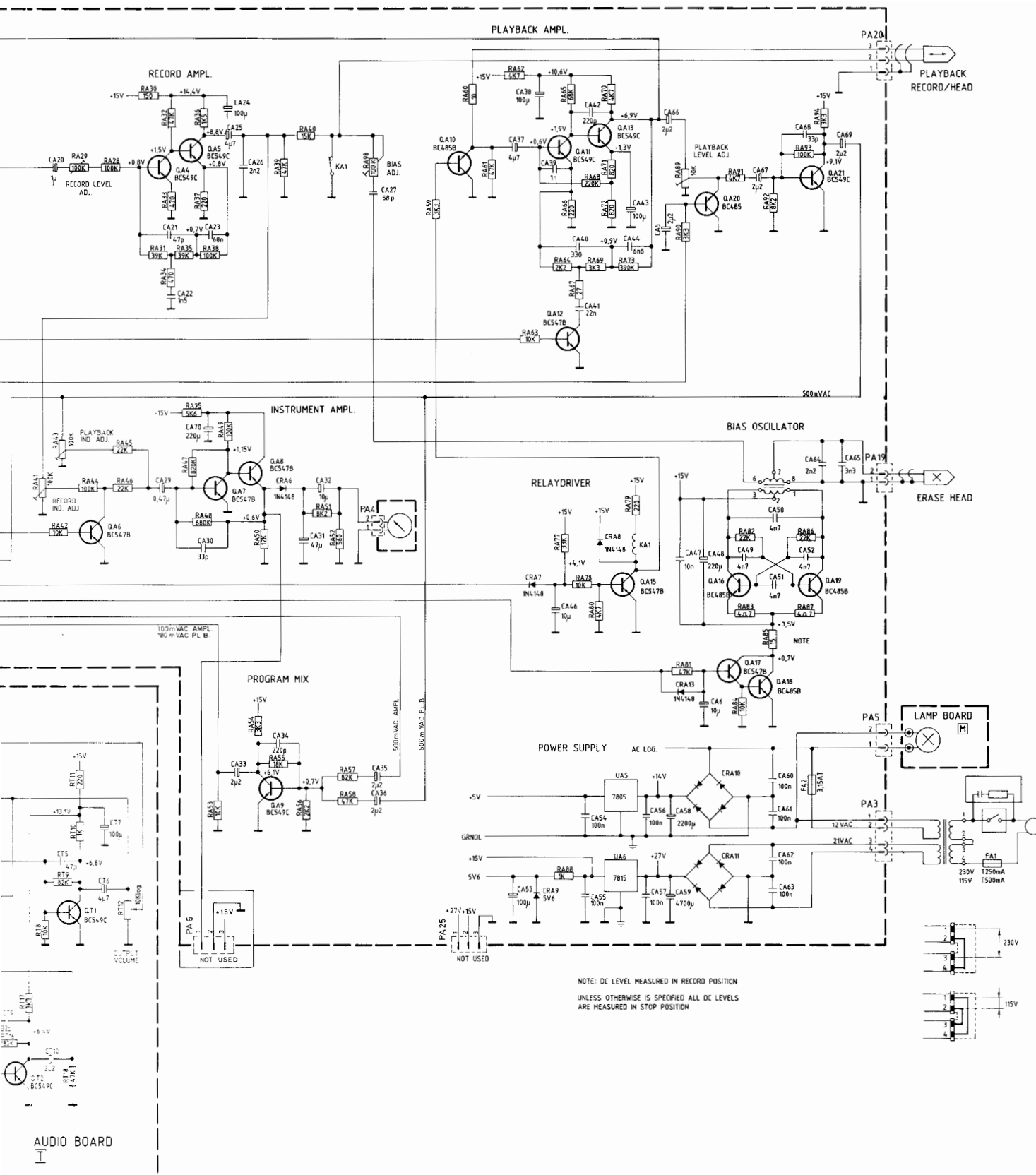


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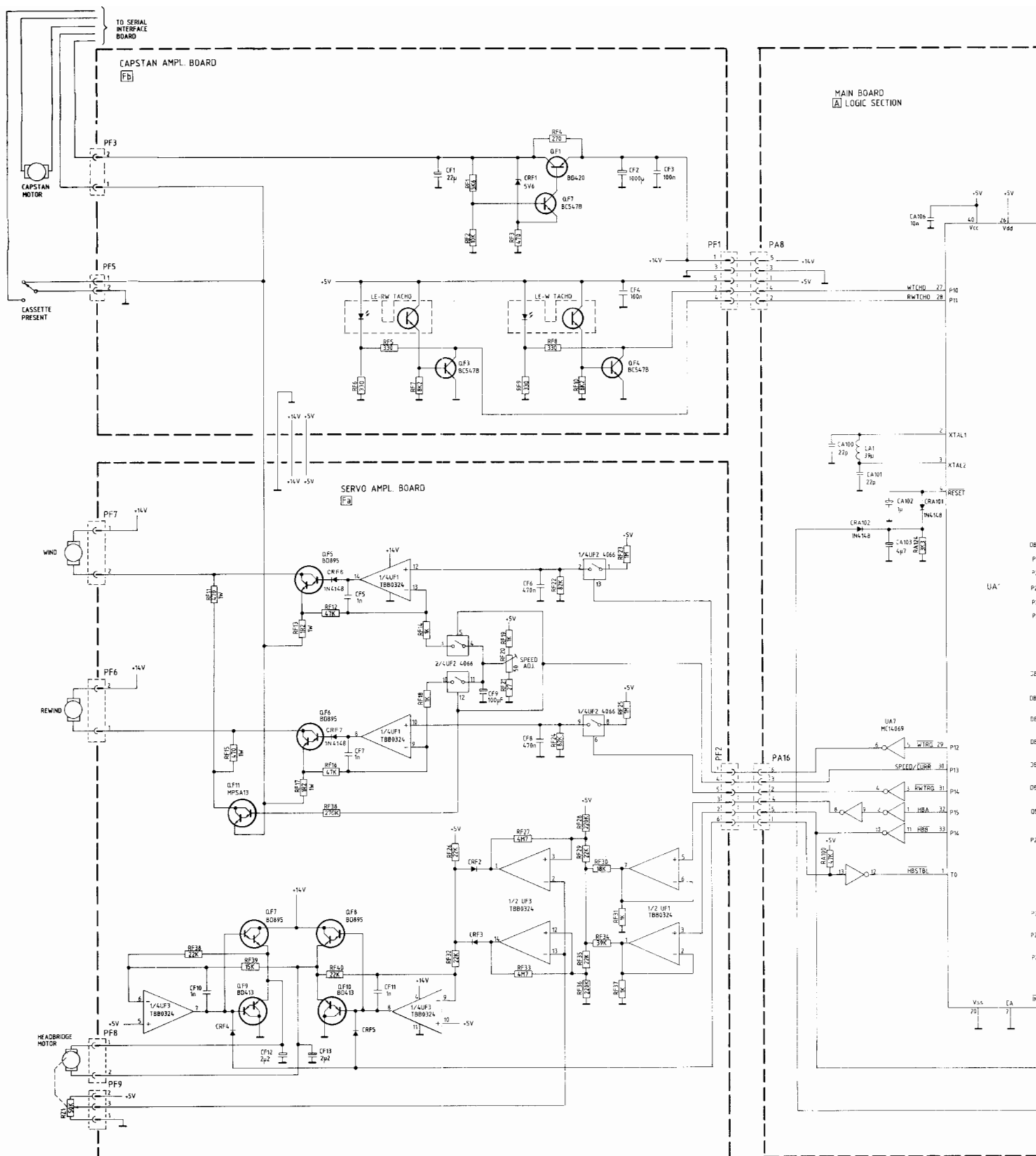


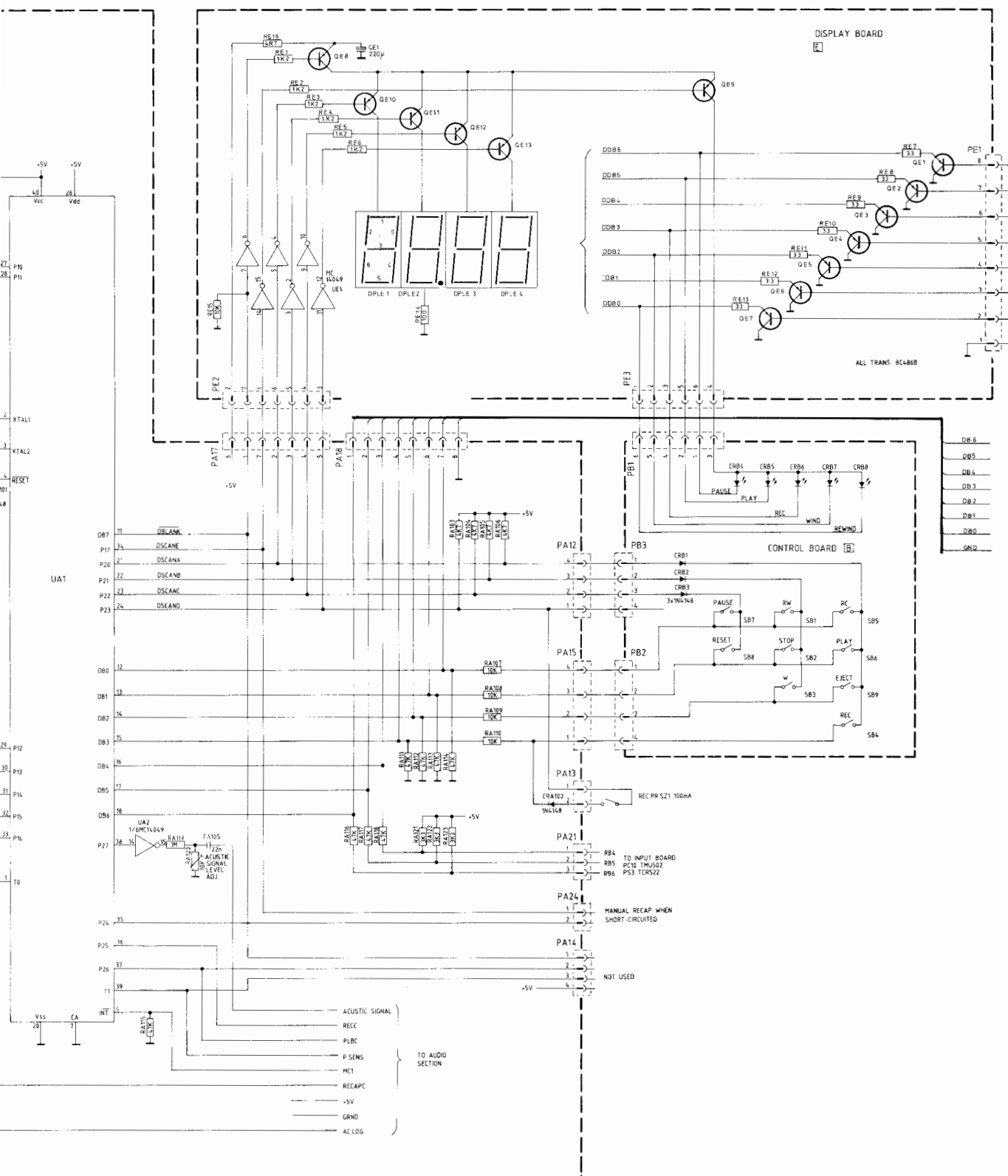
TCR 522 LOGIC DIAGRAM
From serial No. 818 05994



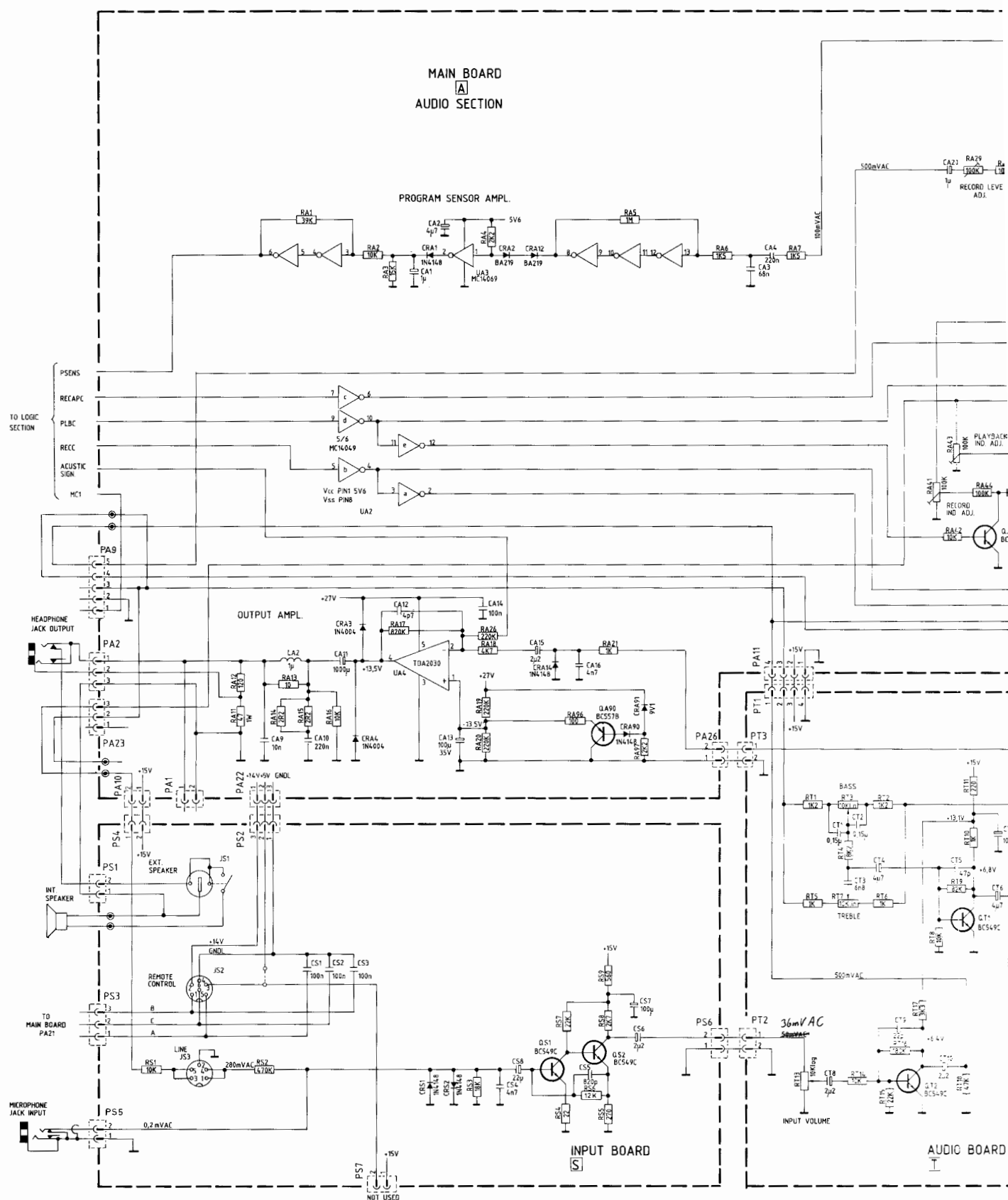


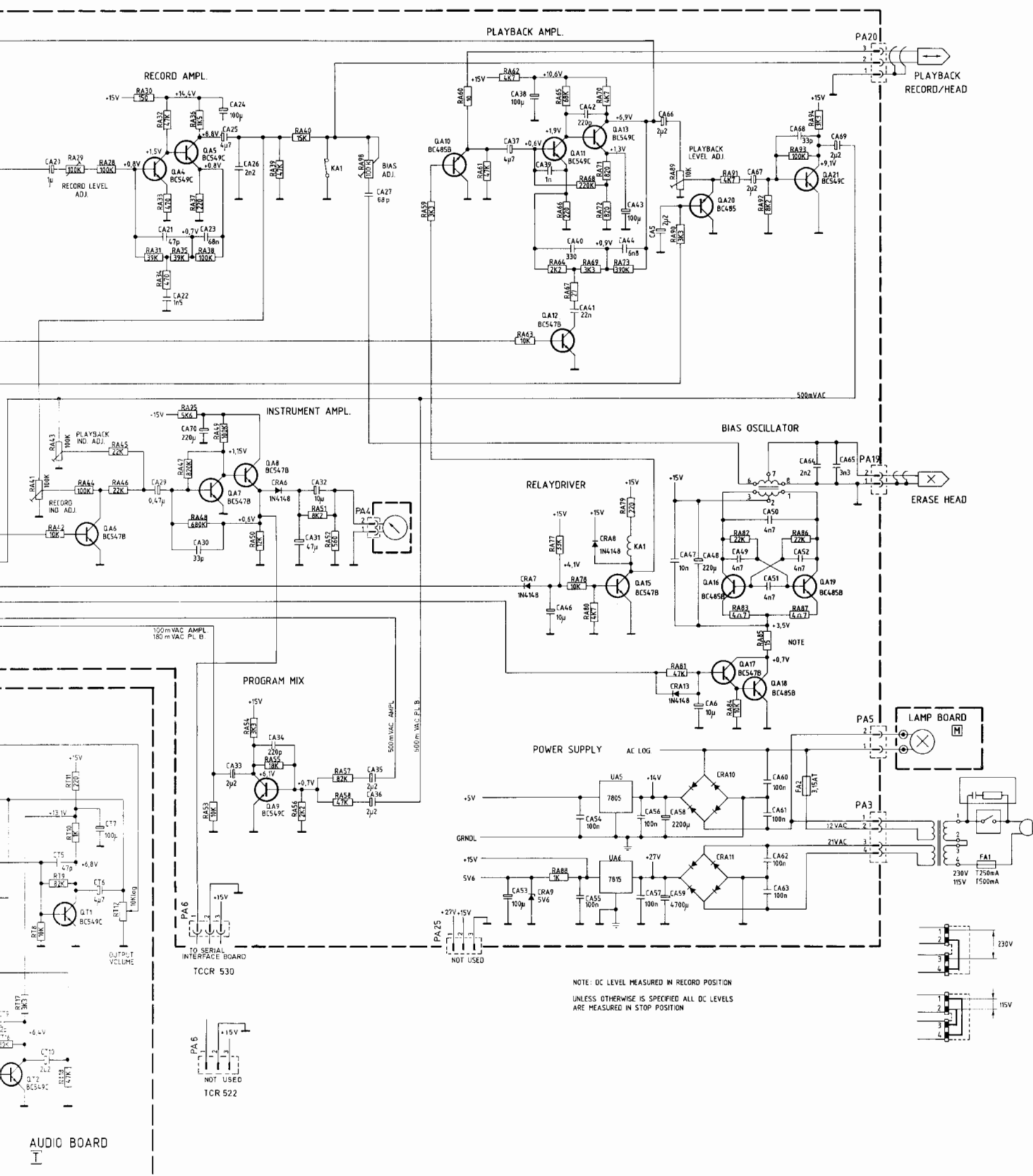
TCR 522 AUDIO DIAGRAM
From serial No. 818 05994



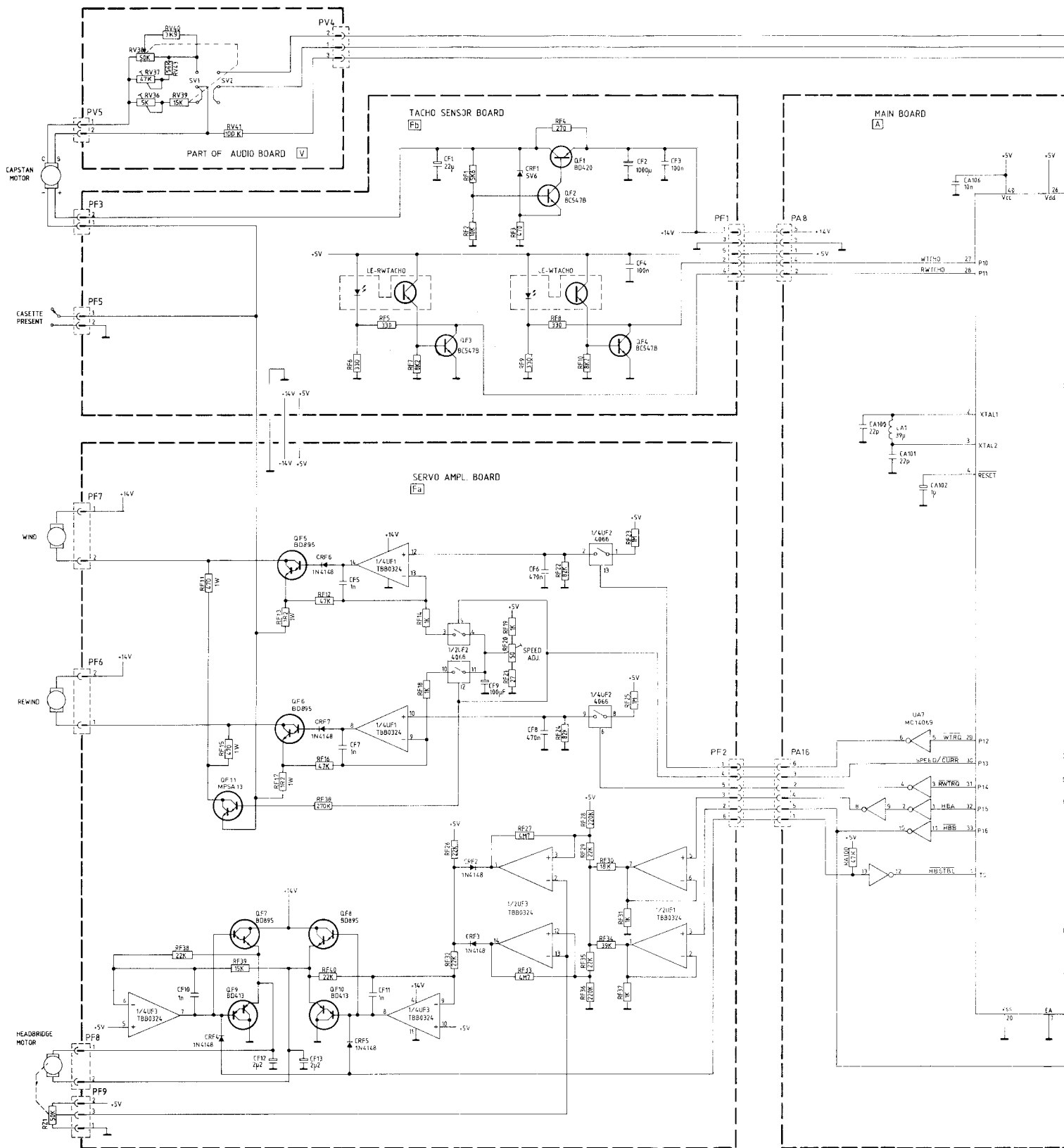


TCCR 530 LOGIC DIAGRAM





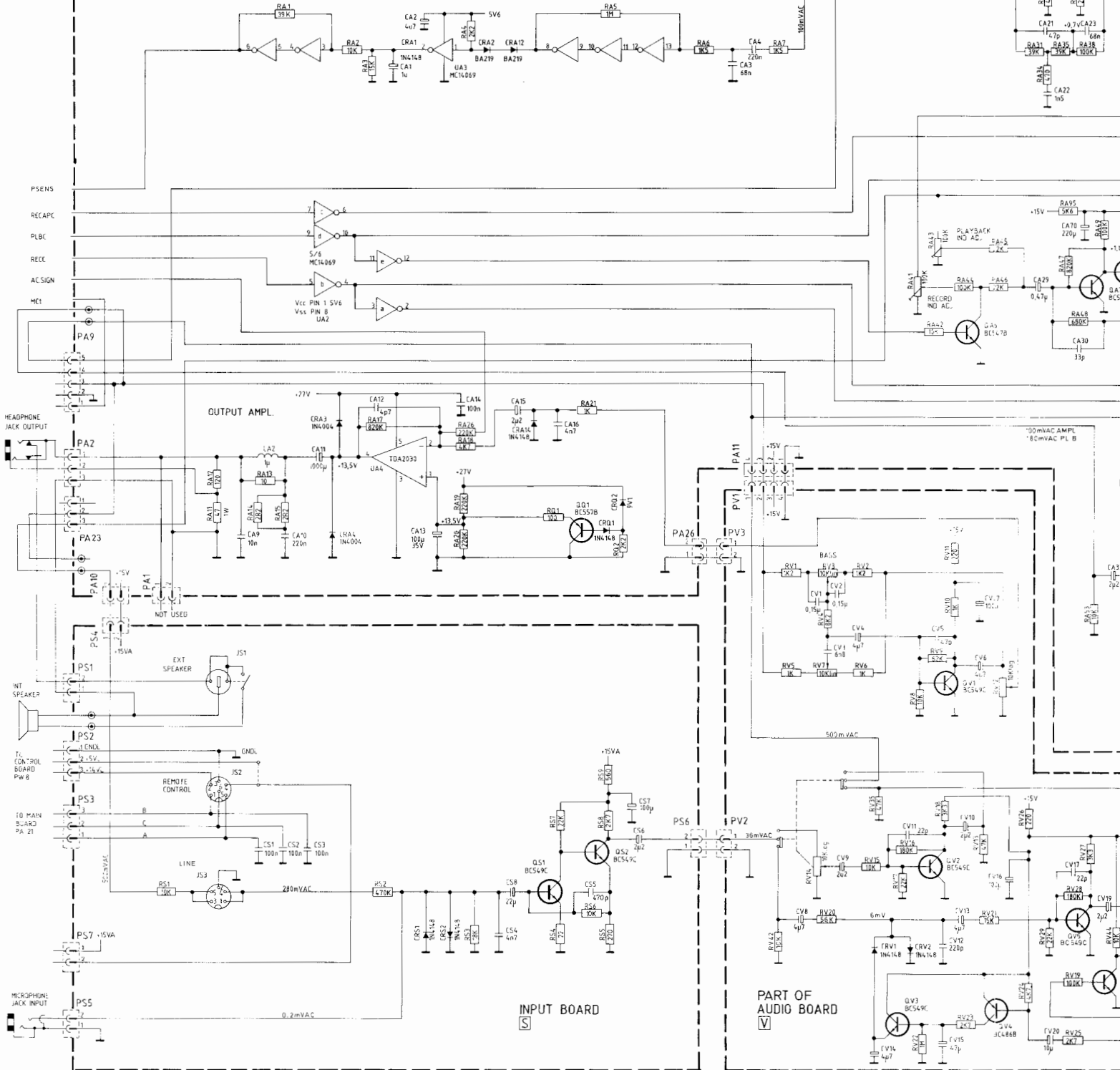
TCCR 530 AUDIO DIAGRAM

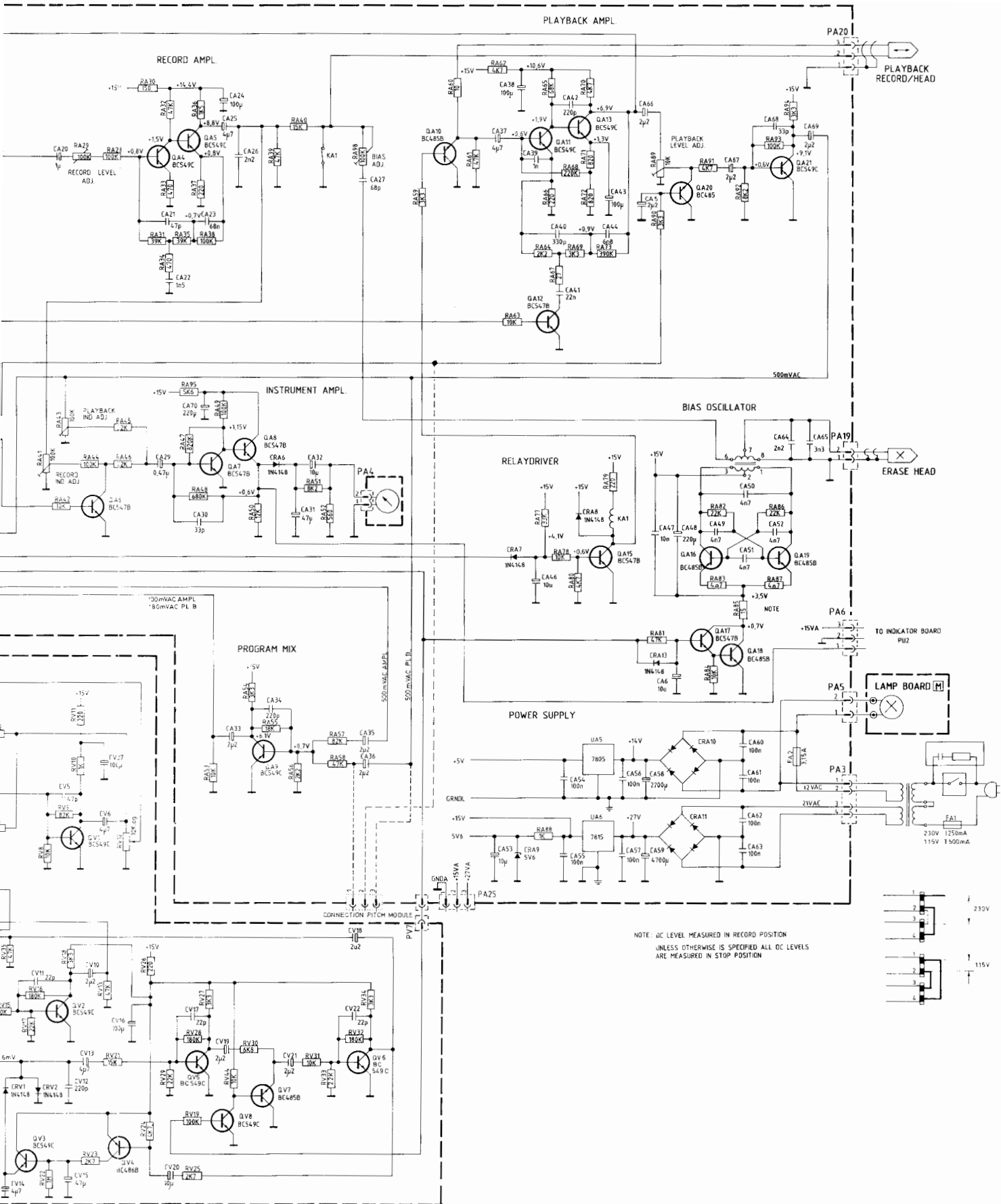


MAIN BOARD A AUDIO SECTION

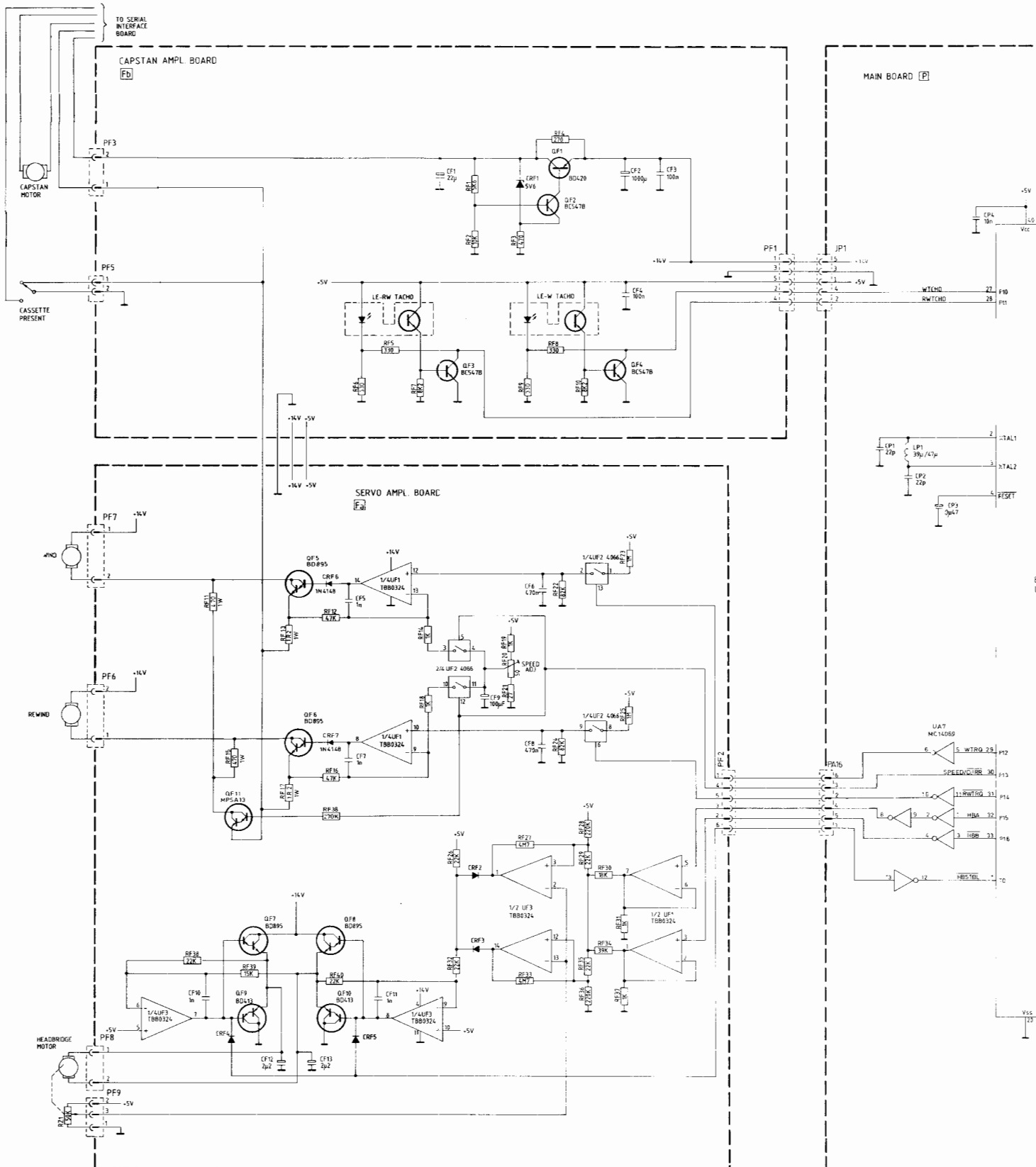
PROGRAM SENSOR AMPL.

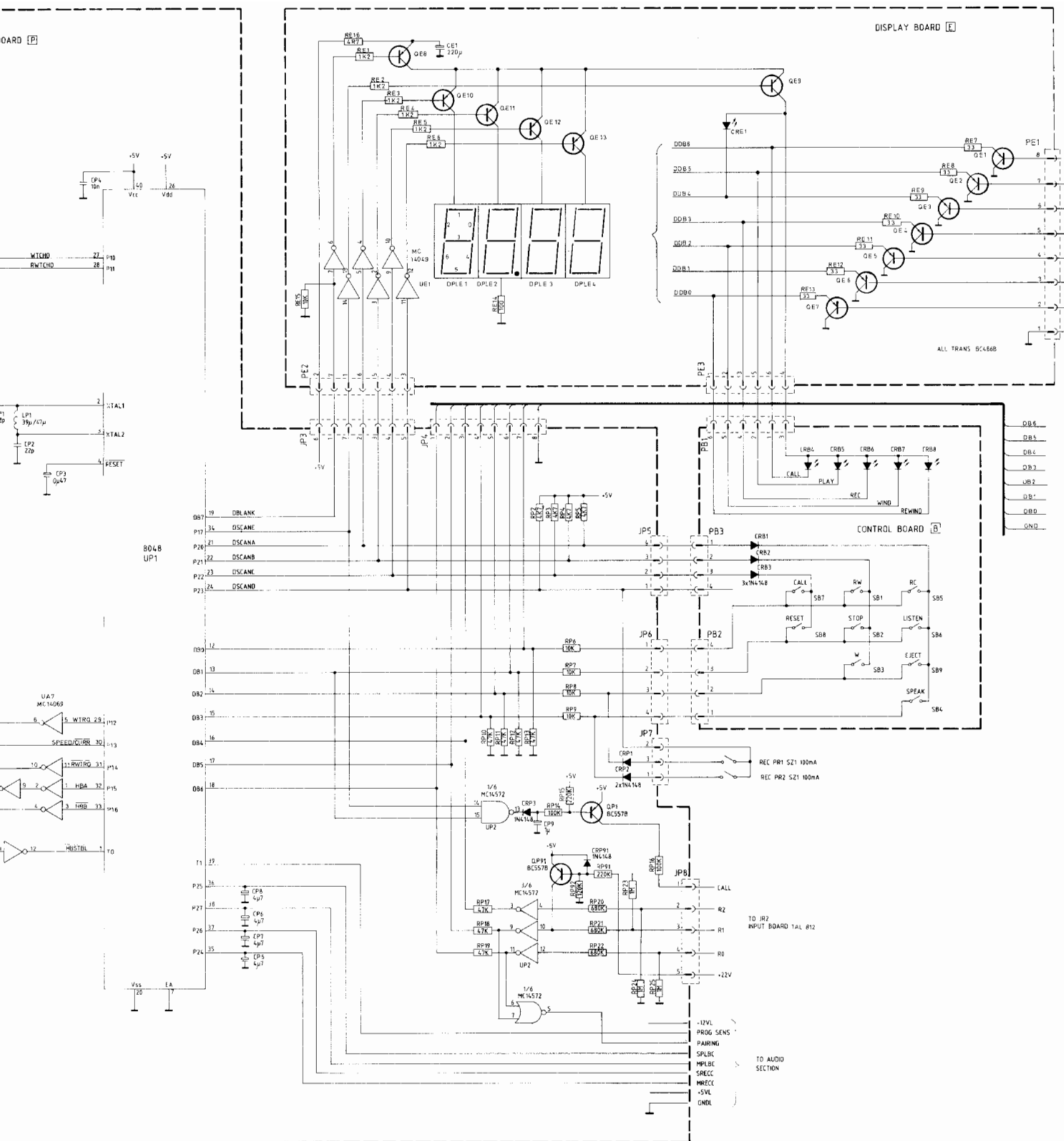
RECORD AMPL





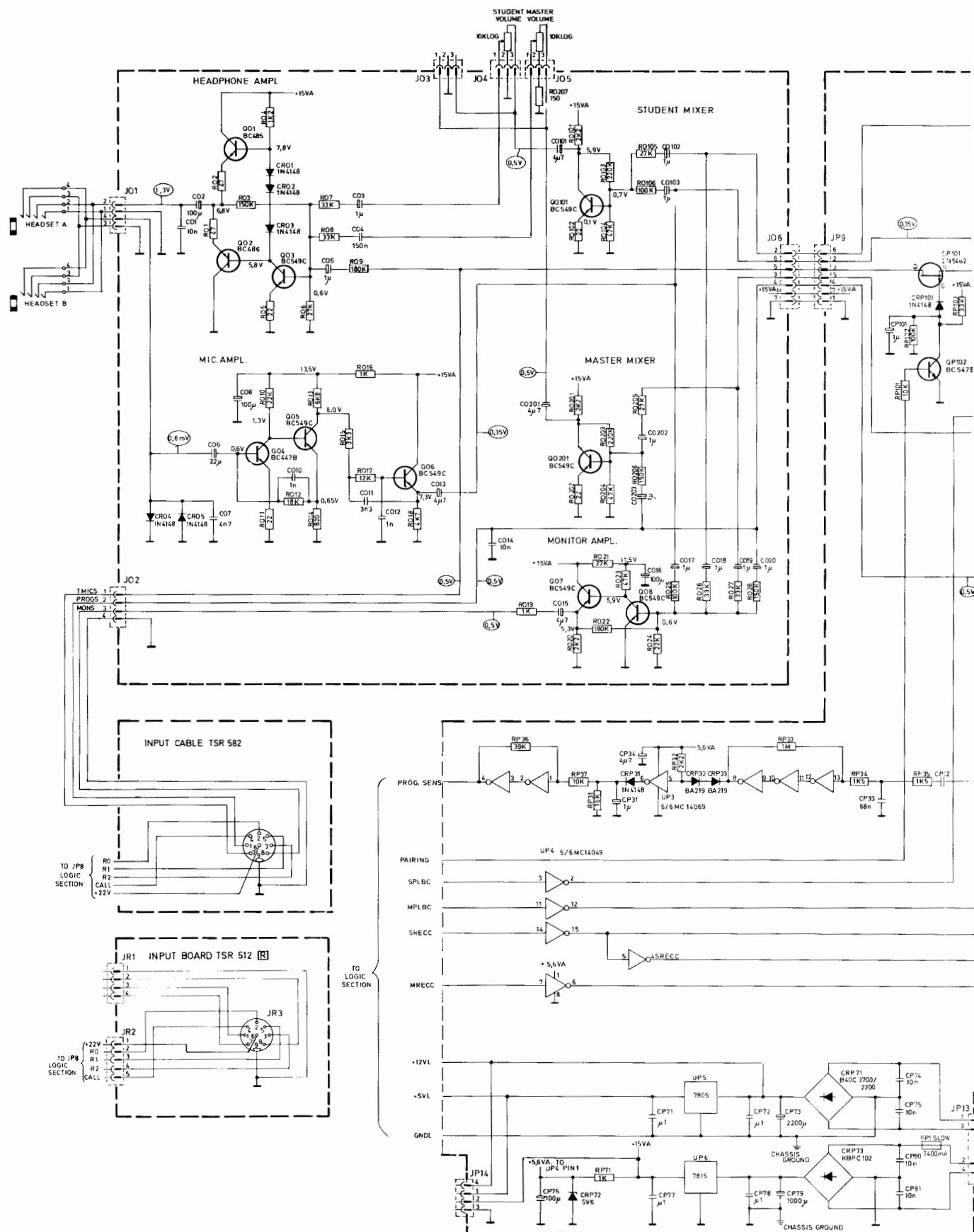
TCR 555 AUDIO DIAGRAM

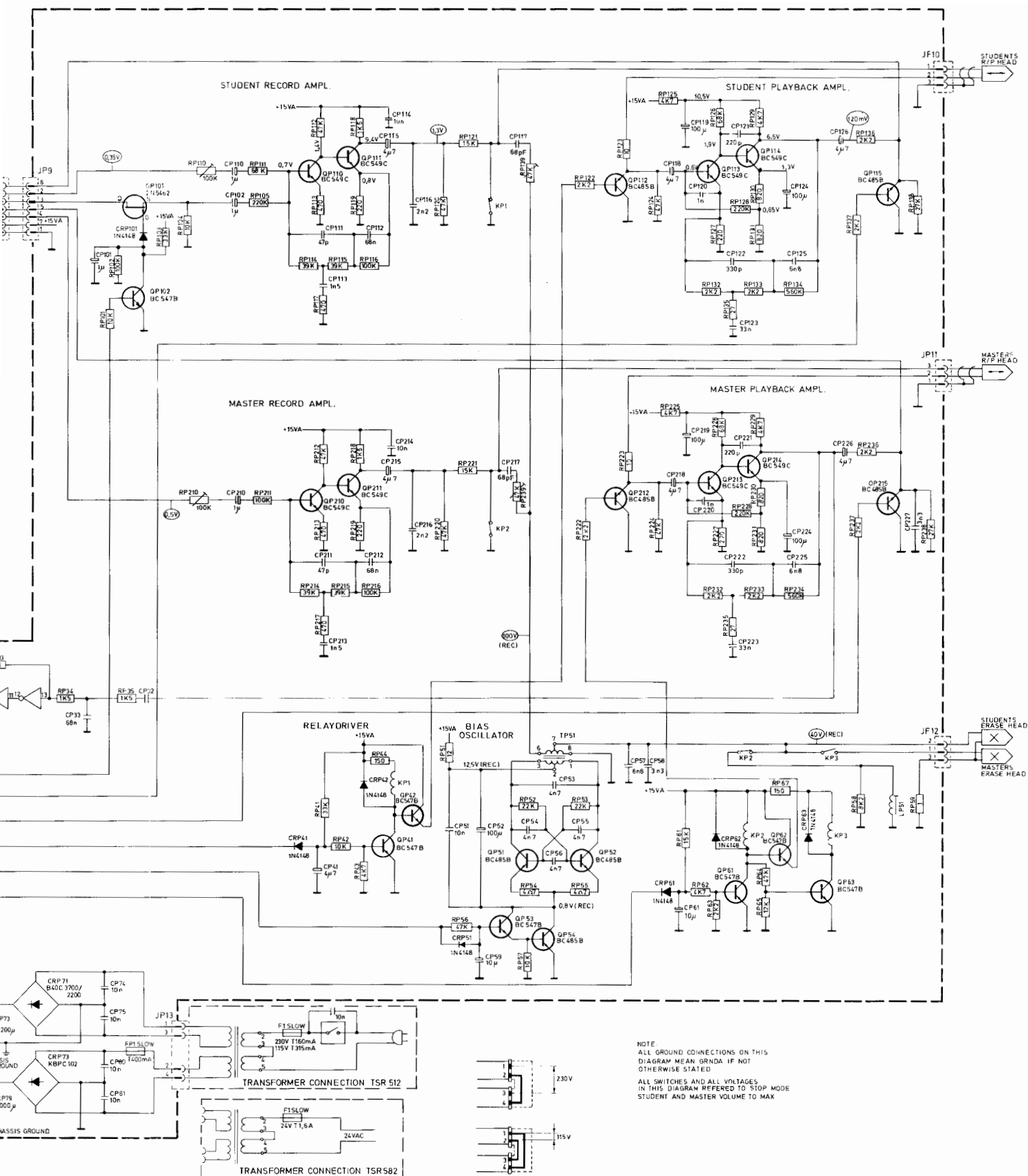




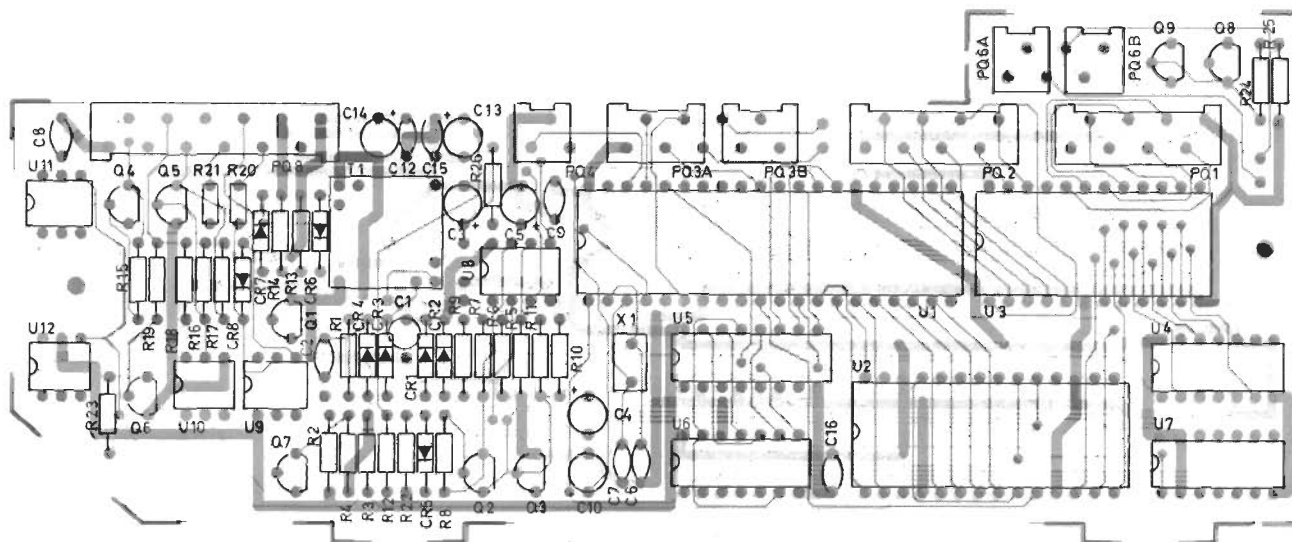
TAL 812 LOGIC DIAGRAM



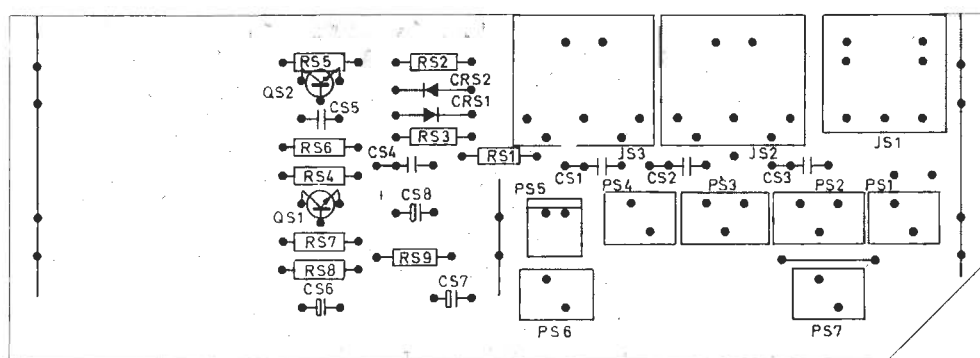




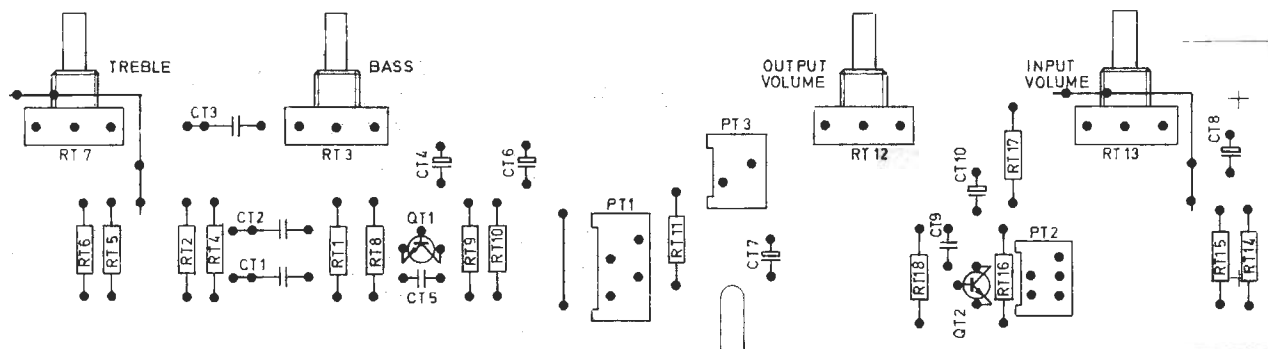
TAL 812 AUDIO DIAGRAM



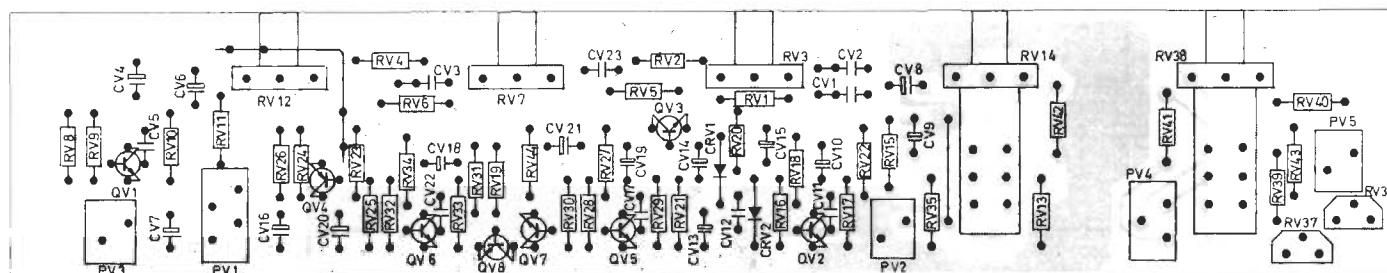
**TCCR 530/TAL 812
SERIAL INTERFACE BOARD**



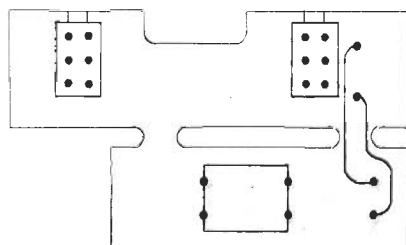
**TCR 522/TCCR 530/TCR 555
INPUT BOARD**



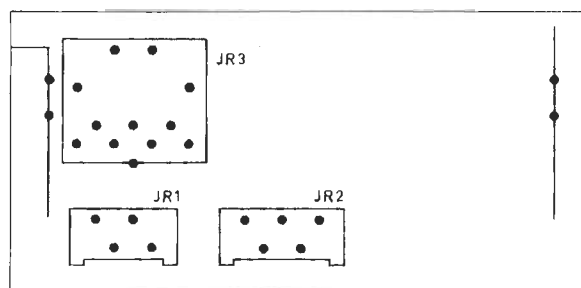
TCR 522/TCCR 530
AUDIO BOARD



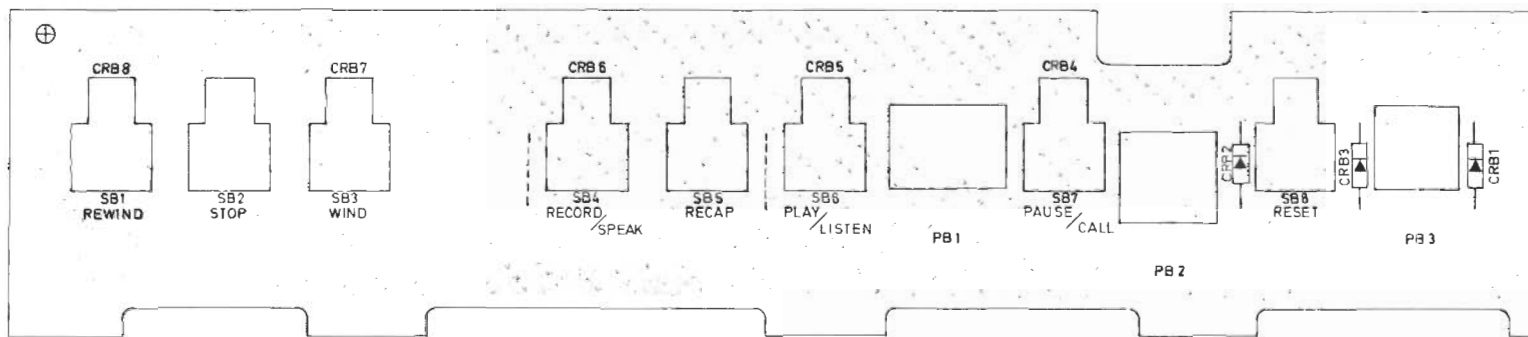
TCR 555 AUDIO BOARD



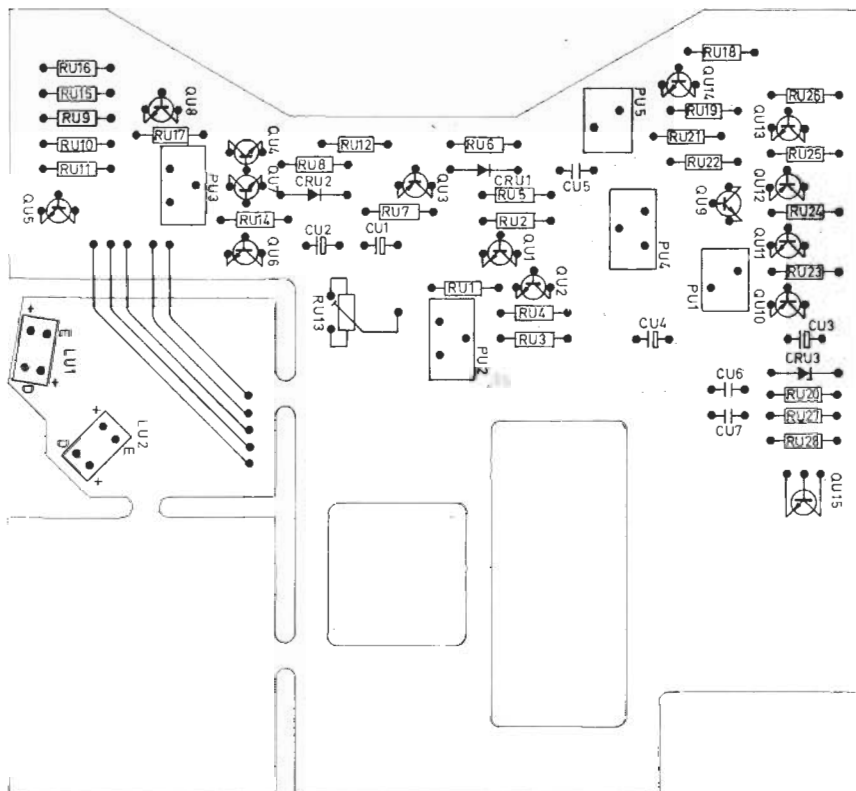
TCR 555 SWITCH BOARD



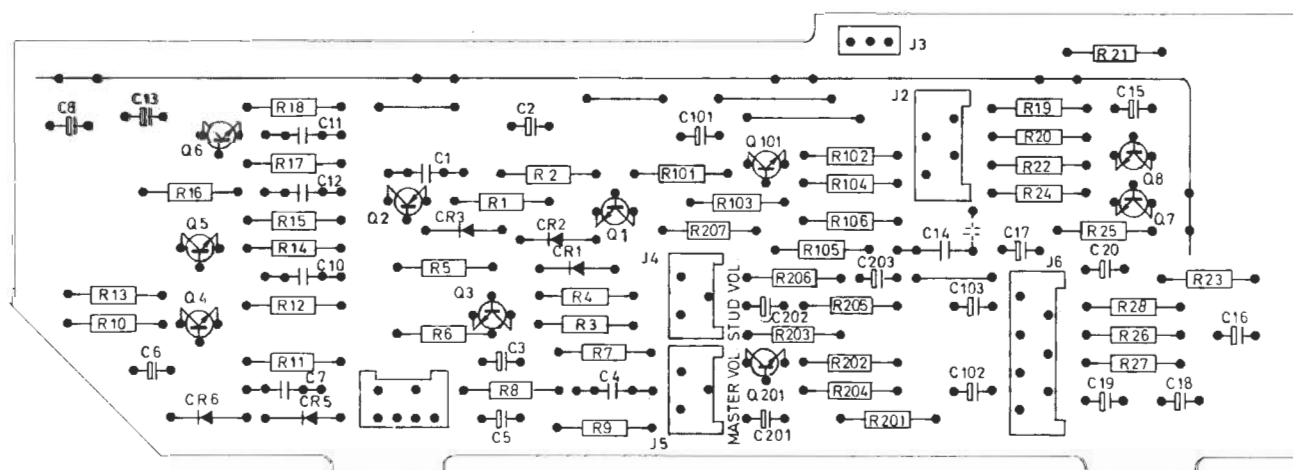
TAL 812 INPUT BOARD



TCR 522/TCCR 530/TAL 812 CONTROL BOARD

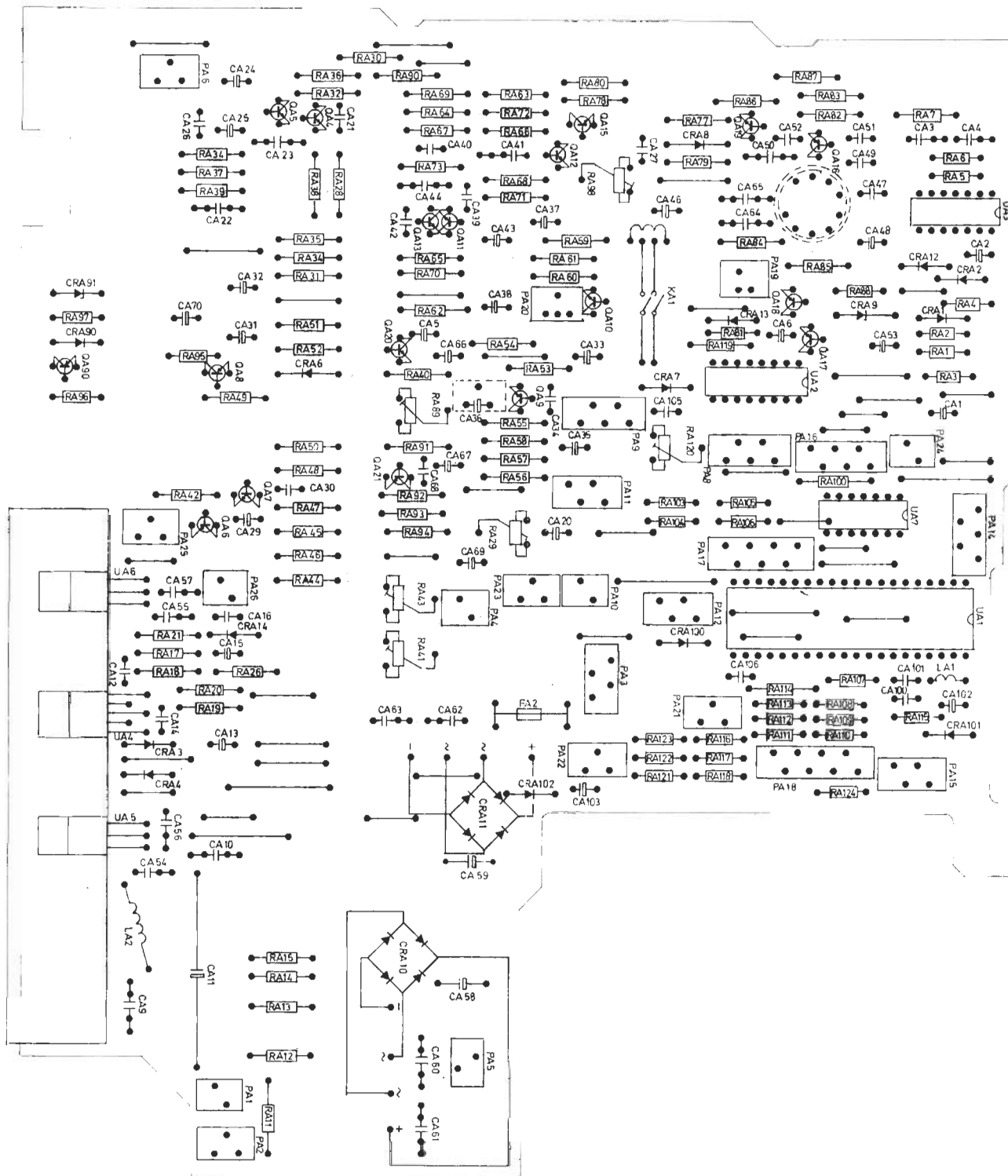


TCR 555 INDICATOR BOARD



TAL 812 AMPLIFIER BOARD

TCR 522: All printed circuit boards are from serial I



TCR 522/TCCR 530/TCR 555 MAIN BOARD

TCR 522: All printed circuit boards are from serial No. 818 05994.



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1931 - 1 - 84 Part No. 714202 Printed in Norway by Sem & Stenersen Offset A/S © Tandberg A/S 1984

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