

STUDER **reVOX**

B77 MKII

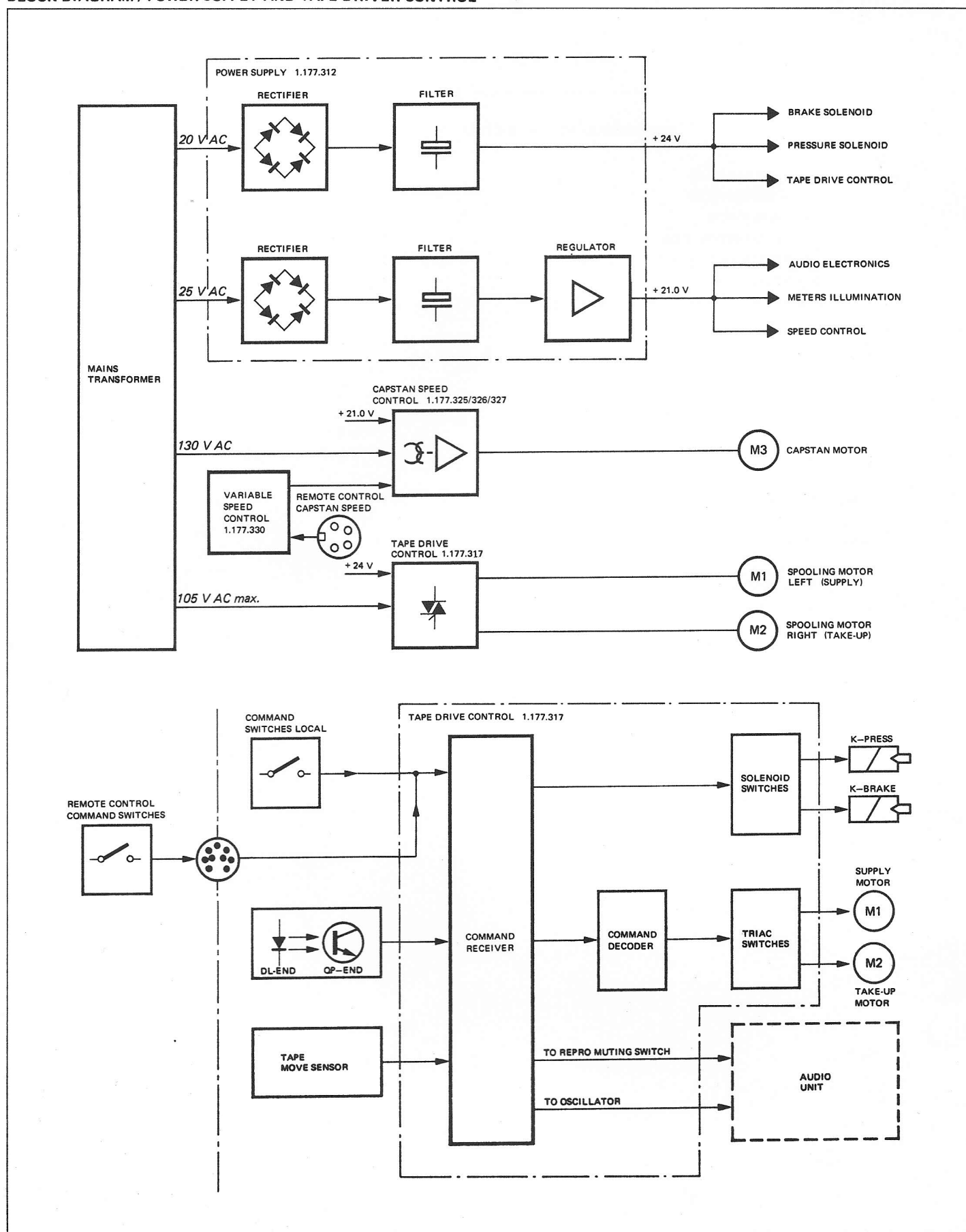
SCHALTUNGSSAMMLUNG SET OF SCHEMATICS
RECUEIL DE SCHÉMAS



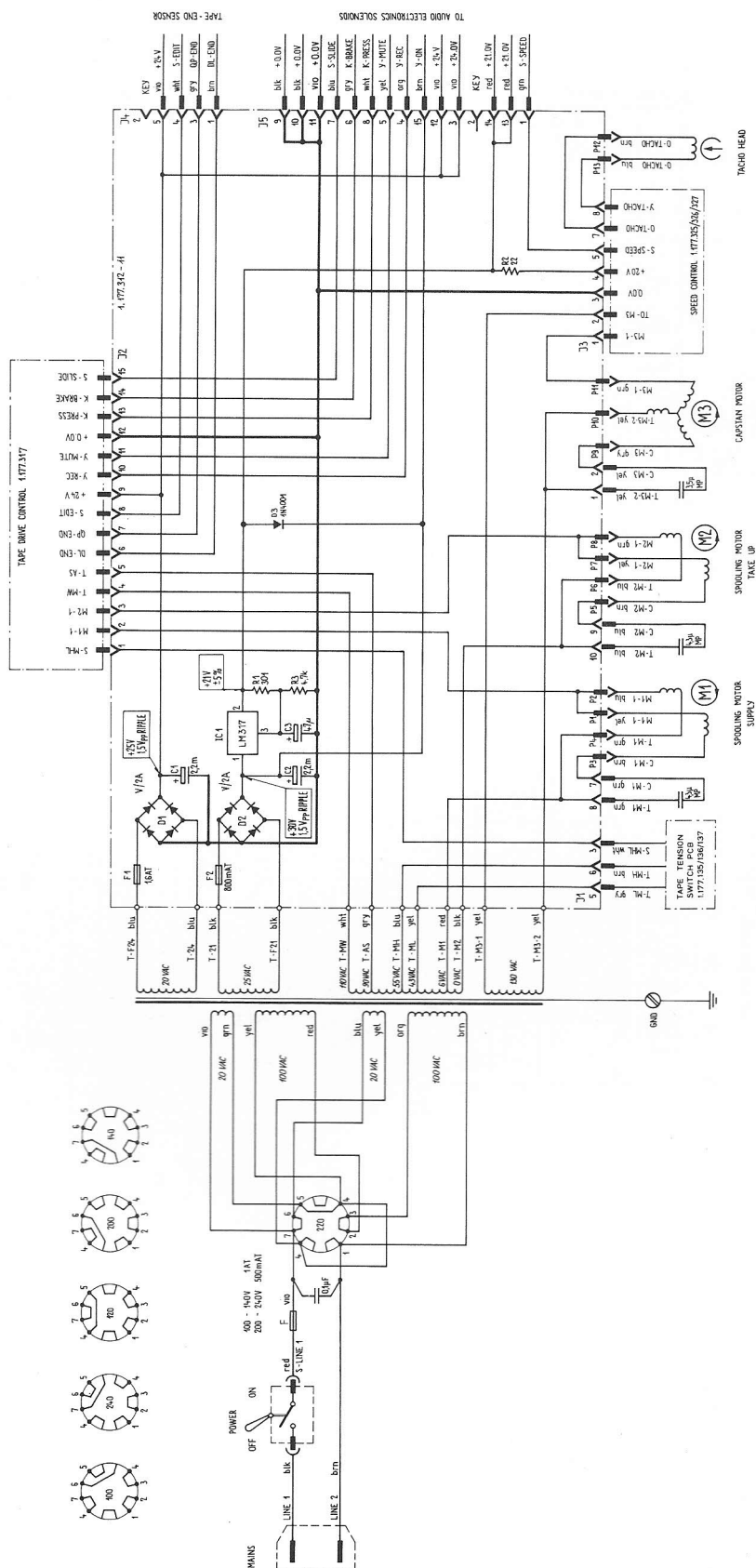
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BLOCK DIAGRAM / POWER SUPPLY AND TAPE DRIVER CONTROL

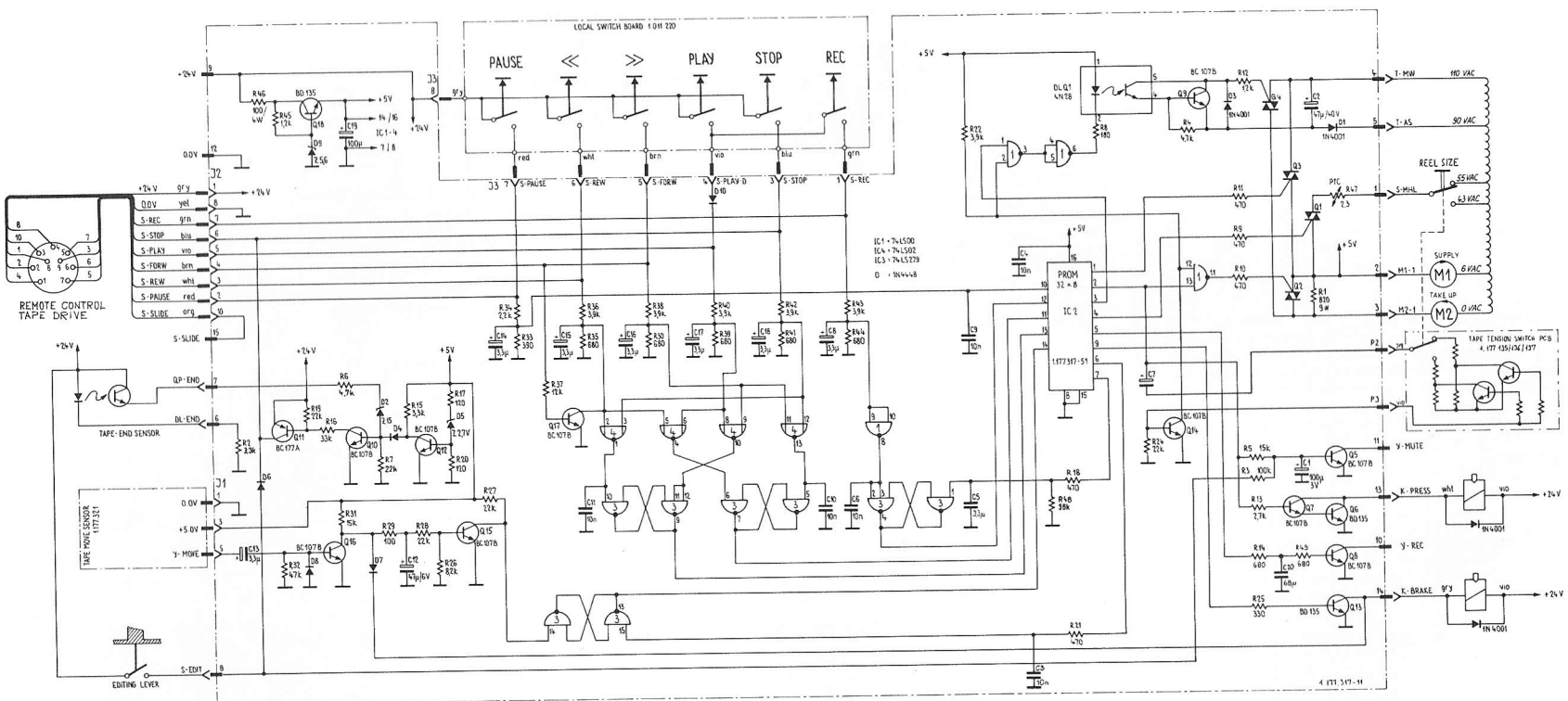


POWER SUPPLY PCB 1.177.312

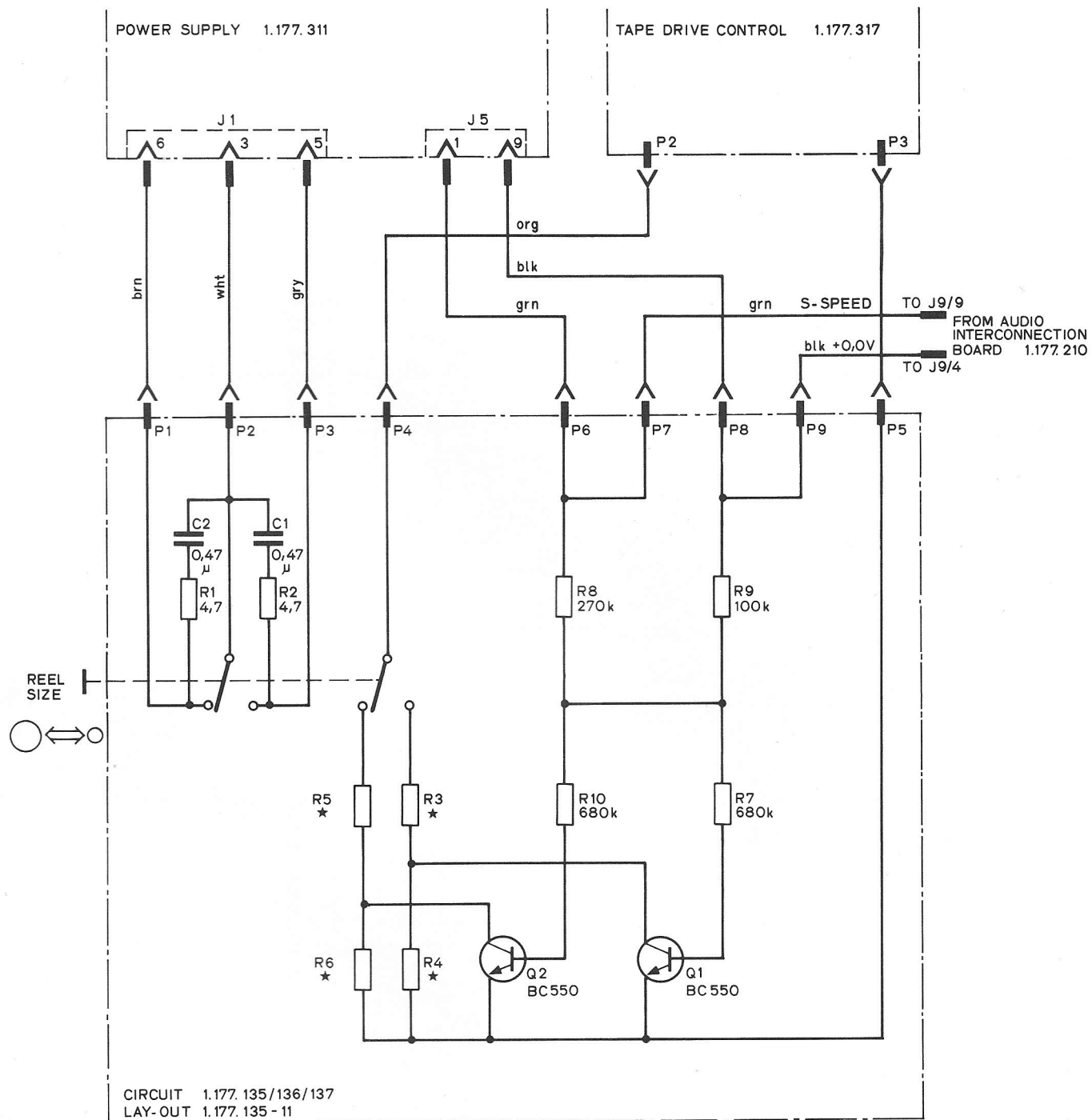


VALID FROM SERIAL NUMBER 107302

TAPE DRIVE CONTROL PCB 1.177.317 (B77 MKII)



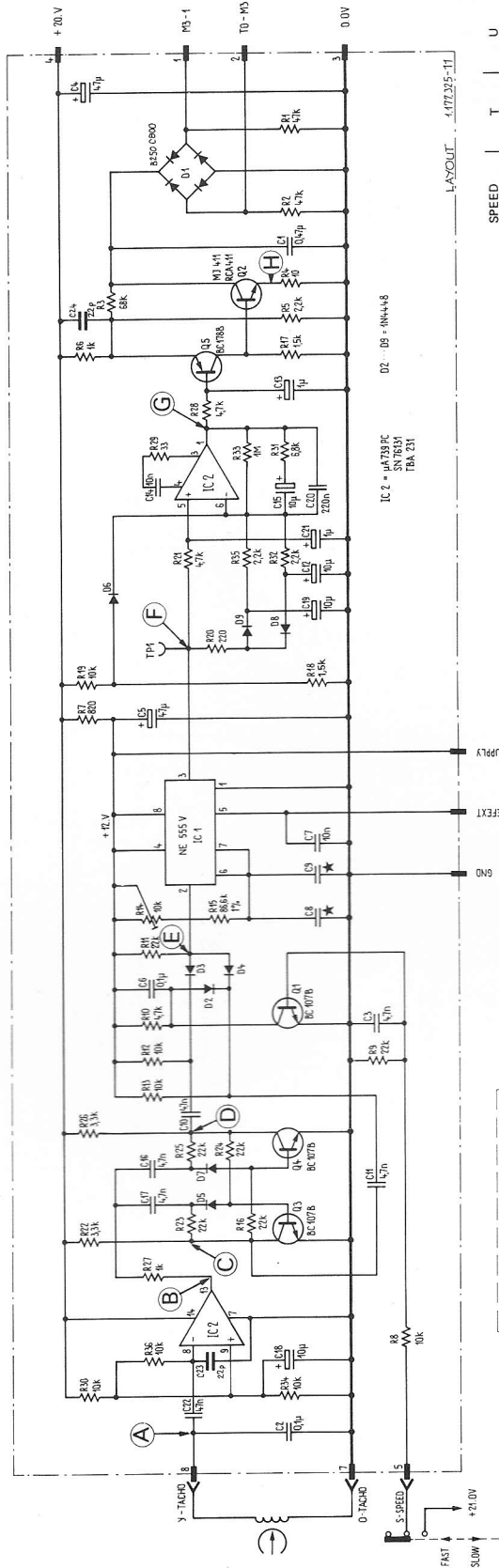
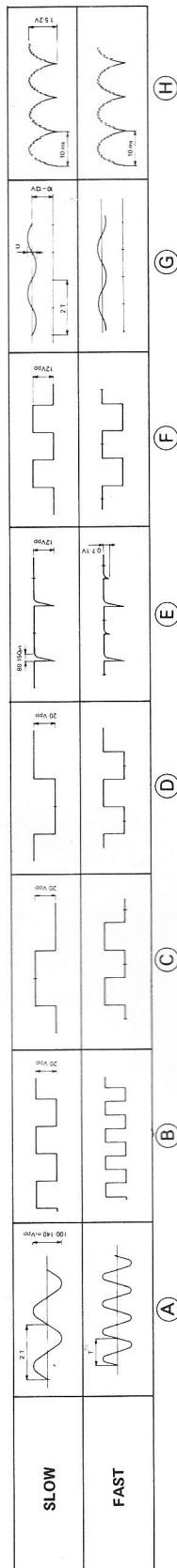
TAPE TENSION SWITCH PCB 1.177.135/136/137



SPEED RANGE	$\star R3$	$\star R4$	$\star R5$	$\star R6$
1.177.135.00 7/8- 3 3/4"	220R	180R	220R	180R
1.177.136.00 3 3/4- 7 1/2"	220R	470R	3,9k	3,9k
1.177.137.00 7 1/2- 15 "	1,2k	2,7k	3,9k	3,9k

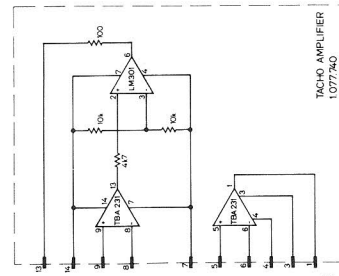
The schematic diagram illustrates a piezoelectric sensor circuit. The piezoelectric transducer is connected to a network of components. The circuit is powered by a +5.0V supply (red wire, pin 3) and ground (0.0V, black wire, pin 1). The output signal is connected to a Y-MOVE input (white wire, pin 5). The components include resistors R1 (10k), R2 (470), R3 (56k), and R4 (270k); capacitors C1 (1000p), C2 (220p), and C3 (4700p); a diode D1 (1N4448); and a BC109C transistor (Q1). The piezoelectric transducer is represented by a cylinder with a cross-section showing internal piezoelectric elements.

CAPSTAN SPEED CONTROL PCB 1.177.325/326/327 (B77 MKII)



SPEED CONTROL	T	U
1.177.325	625 µs	1 Vpp
1.177.326	833 µs	2.5 Vpp
1.177.327	1666 µs	3 Vpp

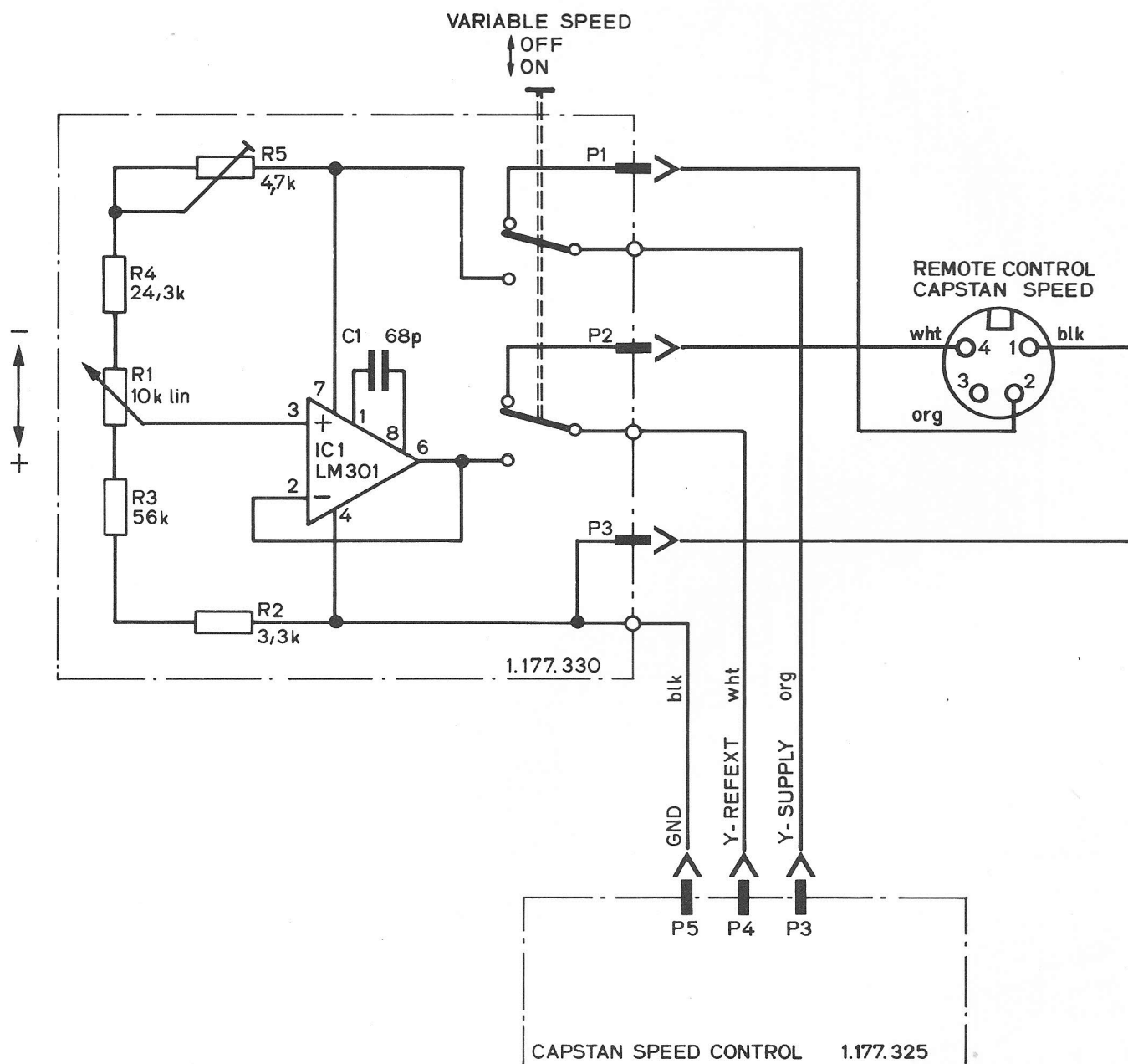
TYPE	SPEED	CAPSTAN SHAFT Ø	C-MOTOR NO.	SPEED CONTROL	C8	C9
HS	7 1/2" - 15"	9.06 mm	1.021.320	1.177.325	1.6 nF	4.7 nF
STD	3 3/4" - 7 1/2"	4.51 mm	1.021.300	1.177.325	1.6 nF	4.7 nF
LS	1 7/8" - 3 3/4"	3.00 mm	1.021.304	1.177.326	1.6 nF	6.8 nF
SLS	15/16" - 1 7/8"	3.00 mm	1.021.304	1.177.327	5.6 nF	10 nF

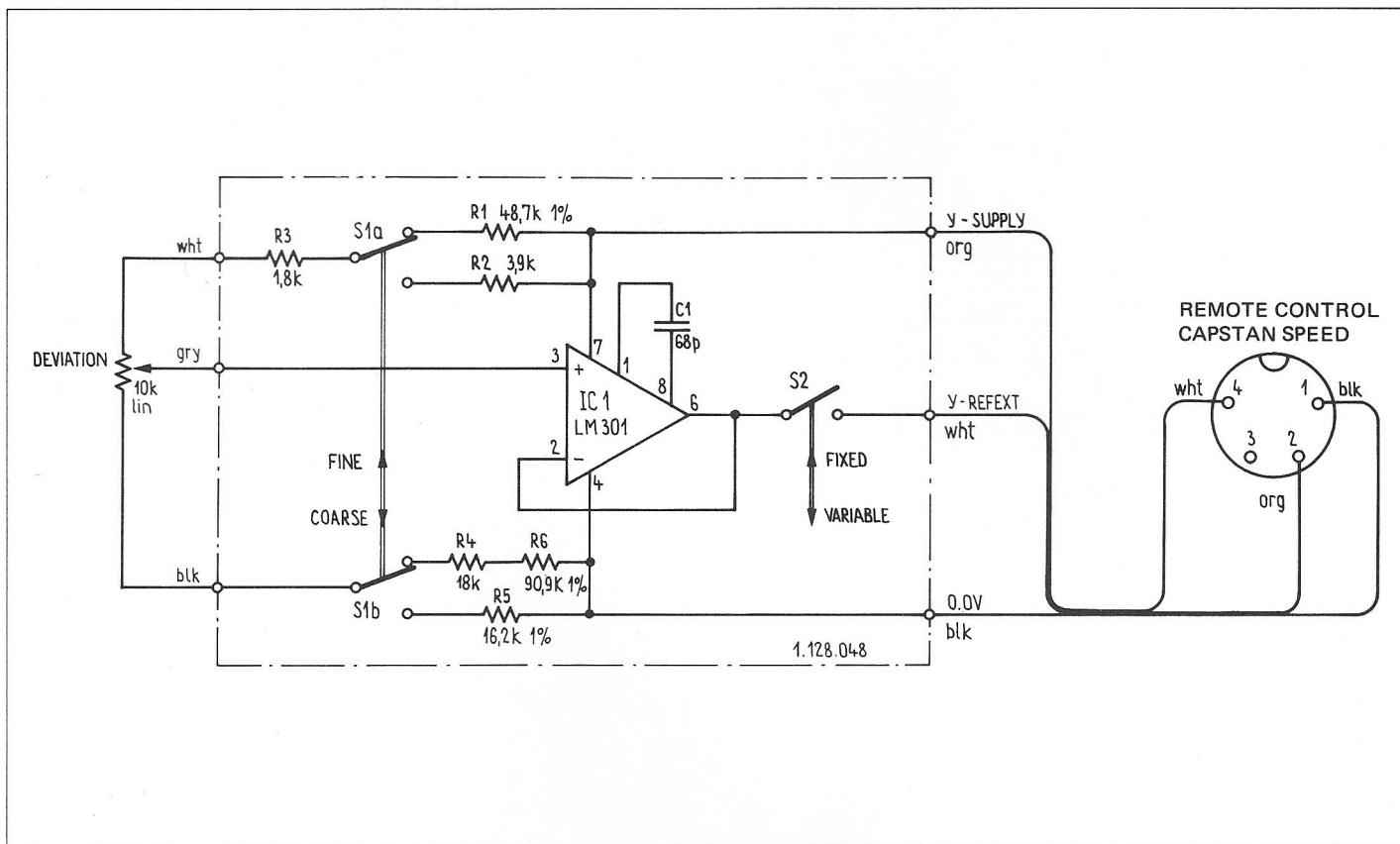
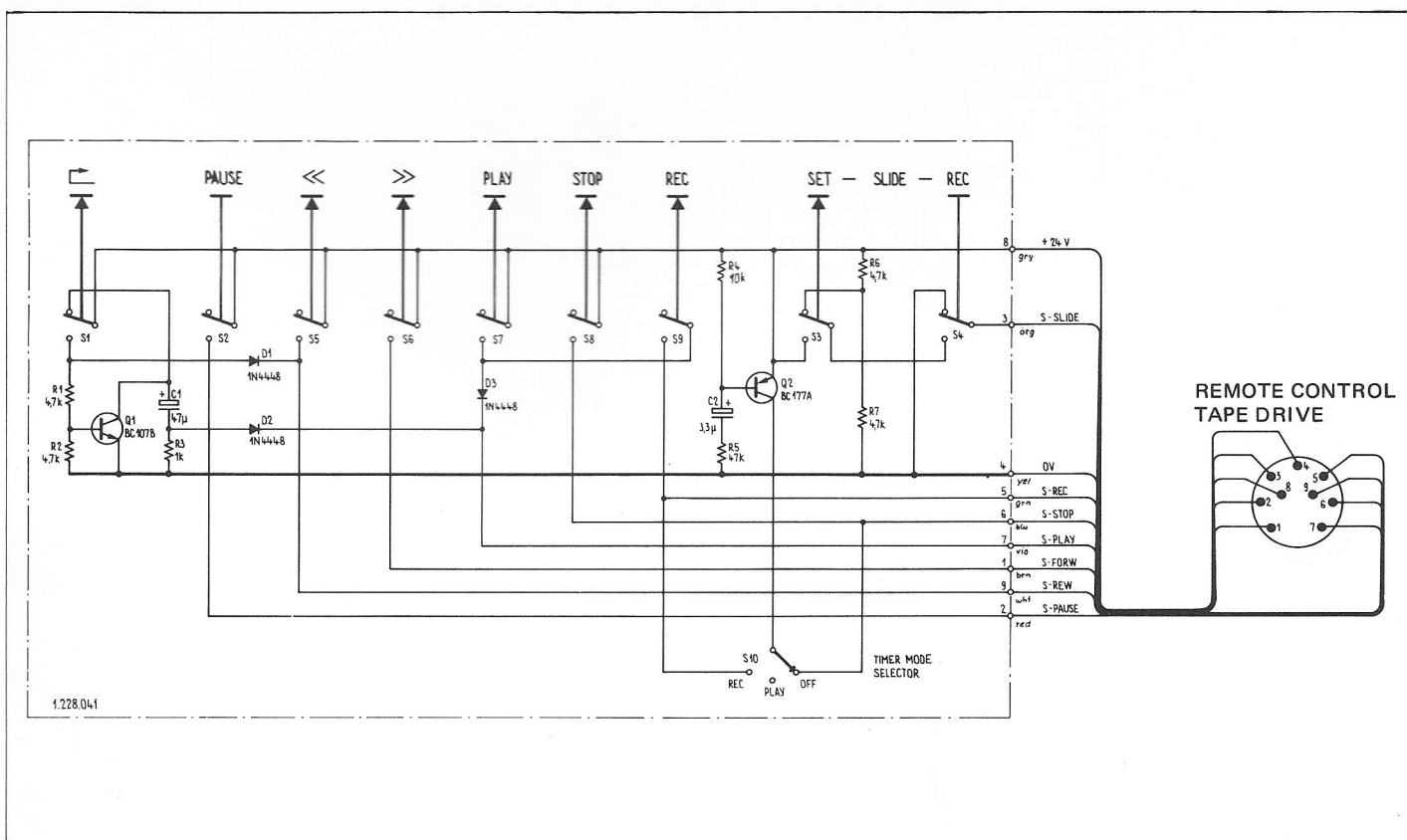


VERSION 1.177.327:
INSTEAD OF THE
REMOVED IC2 THE
TACHO AMPLIFIER
1.077.740
IS PLUGGED INTO
THE IC2 SOCKET

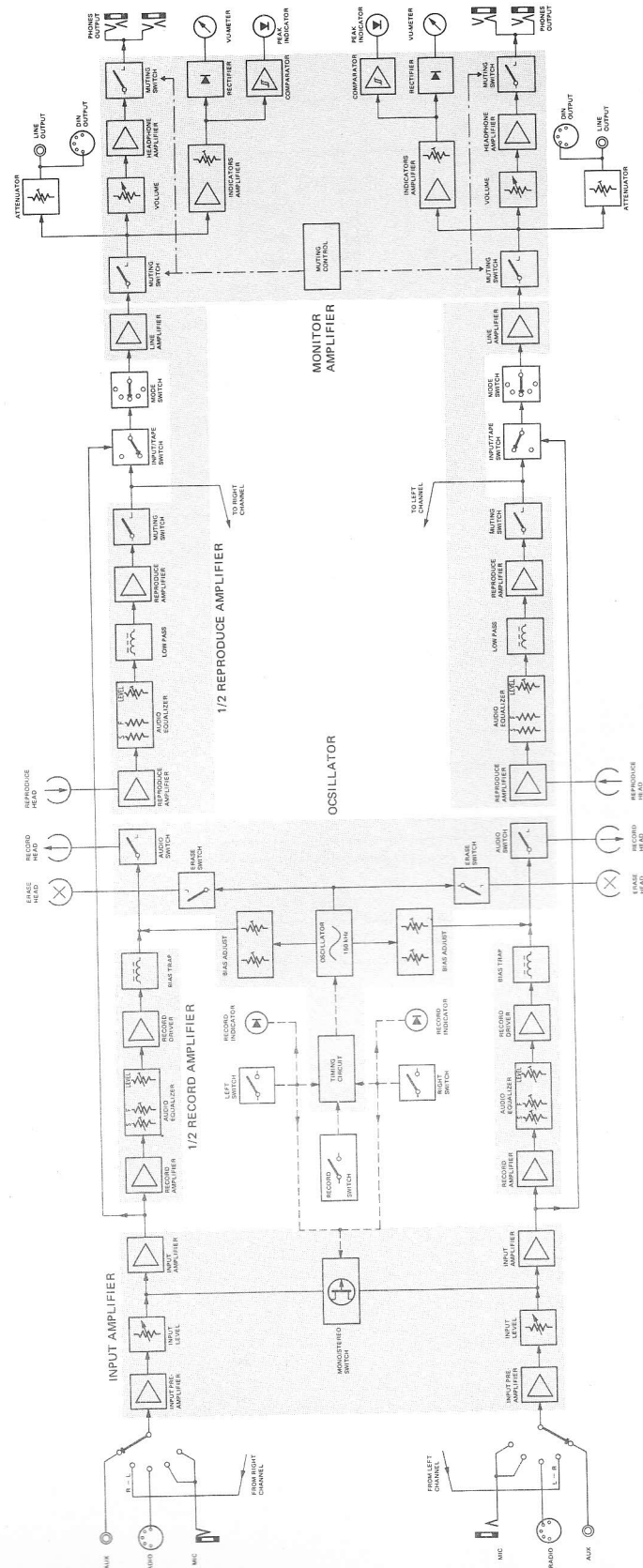
PIN CONFIGURATION:
14-PIN DUAL-IN-LINE

VARIABLE SPEED CONTROL PCB 1.177.330

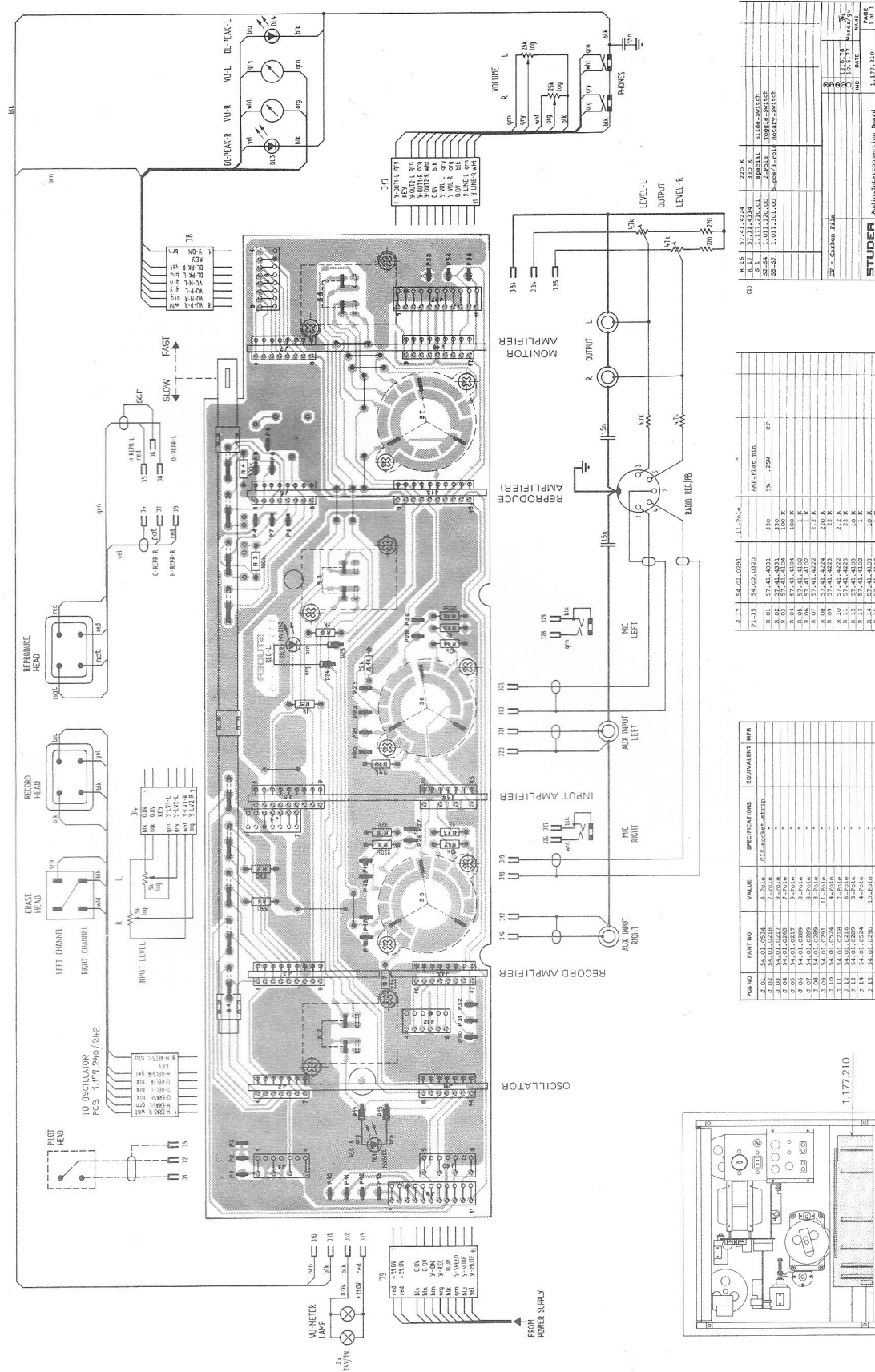


VARIABLE SPEED CONTROL 1.128.045**REMOTE CONTROL UNIT / COMMAND SWITCHES 1.128.040**

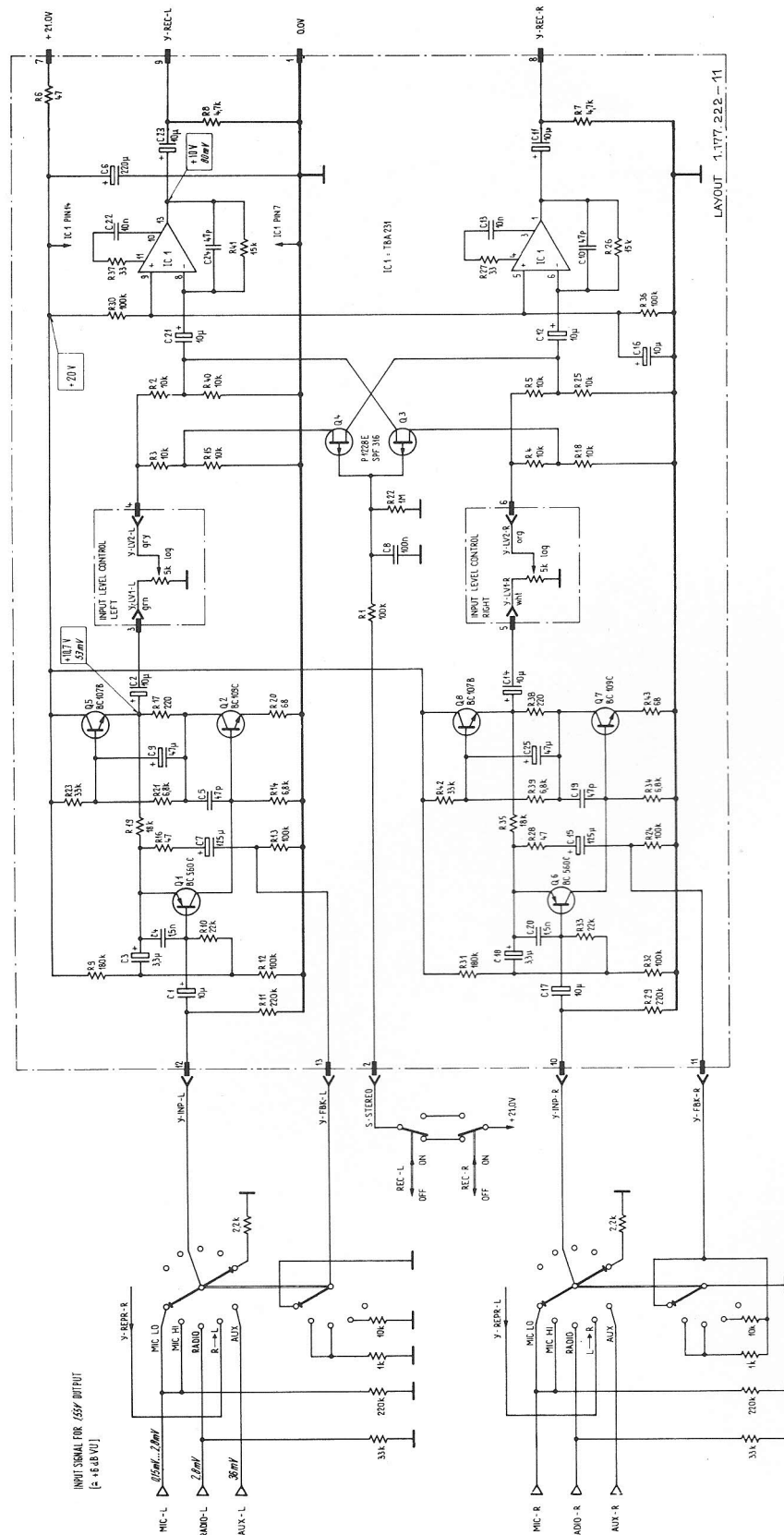
BLOCK DIAGRAM / AUDIO



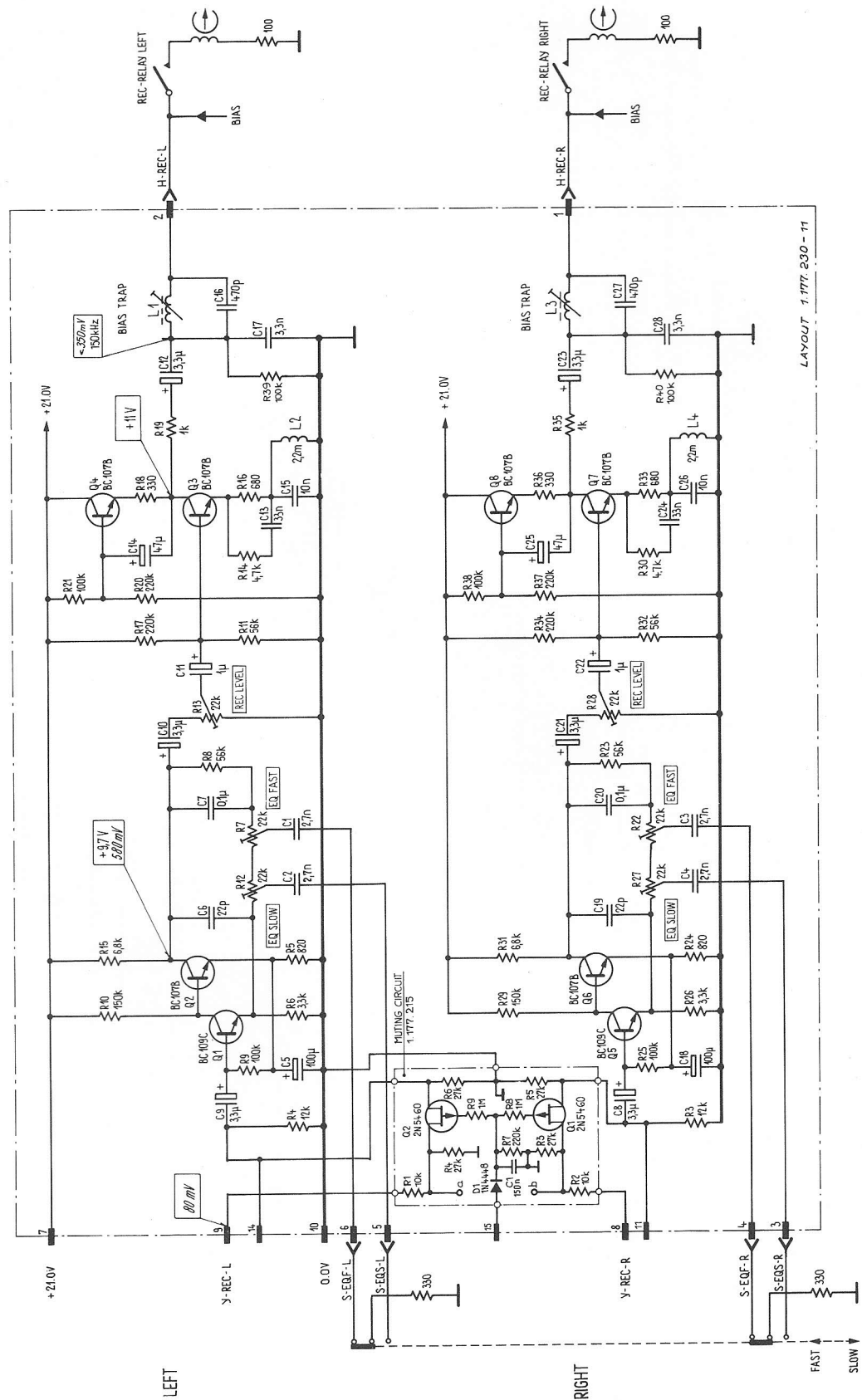
12.06.78



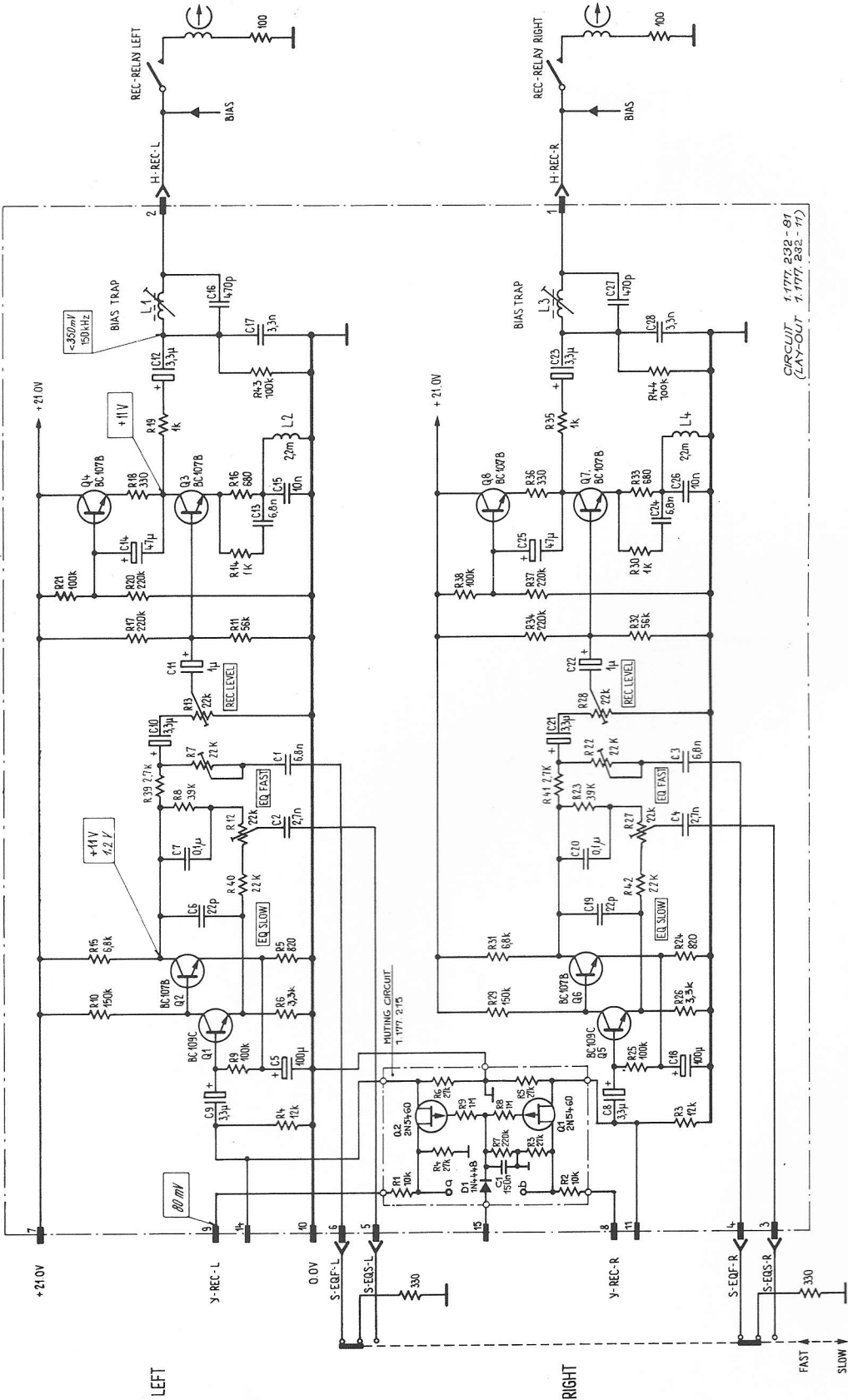
INPUT AMPLIFIER PCB 1.177.221



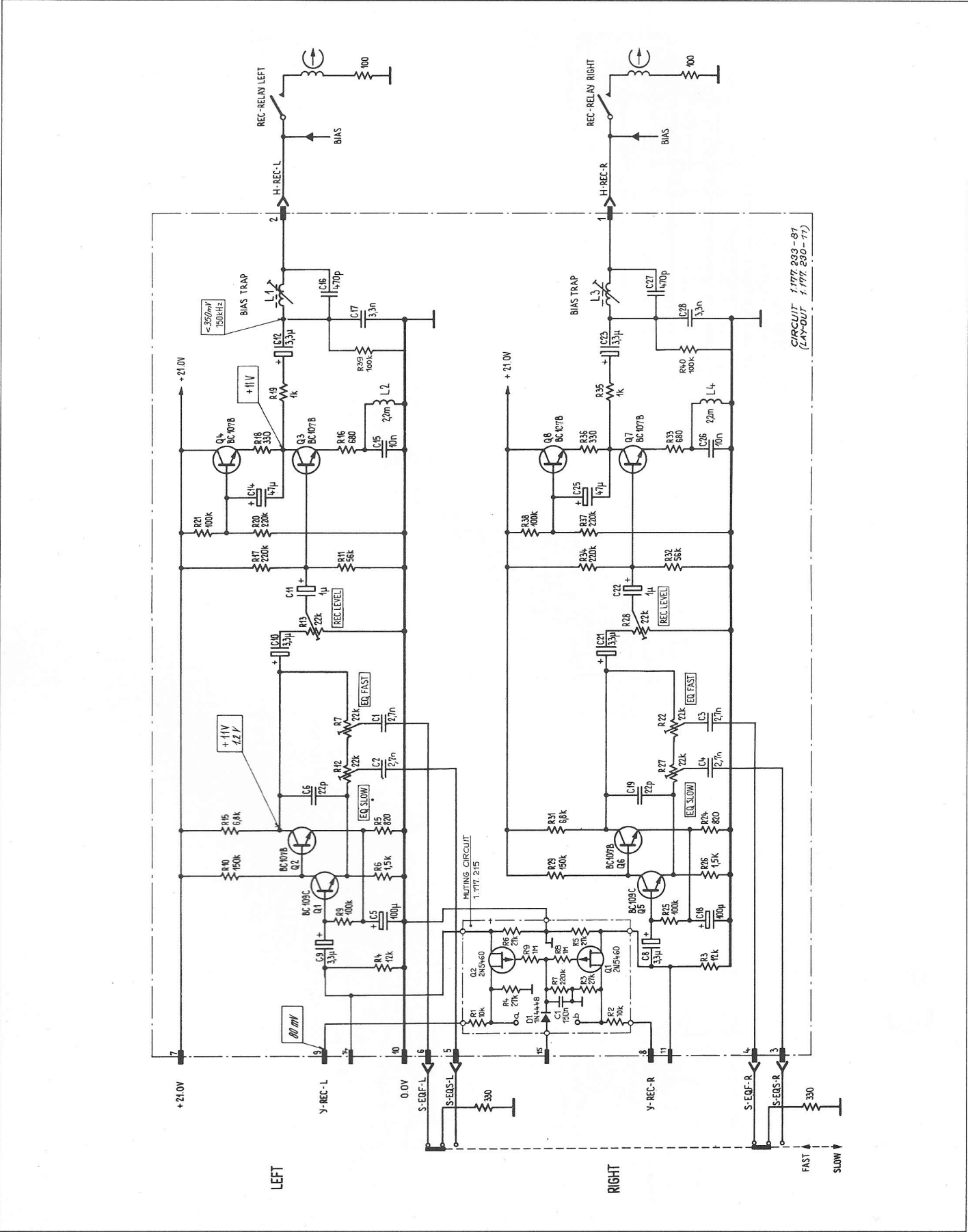
RECORD AMPLIFIER PCB (NAB 3 3/4 - 7 1/2 ips) 1.177.230-81



RECORD AMPLIFIER PCB (NAB 7 1/2 - 15 ips) 1.177.232-81



RECORD AMPLIFIER PCB (IEC 7 1/2 - 15 ips) 1.177.233-81

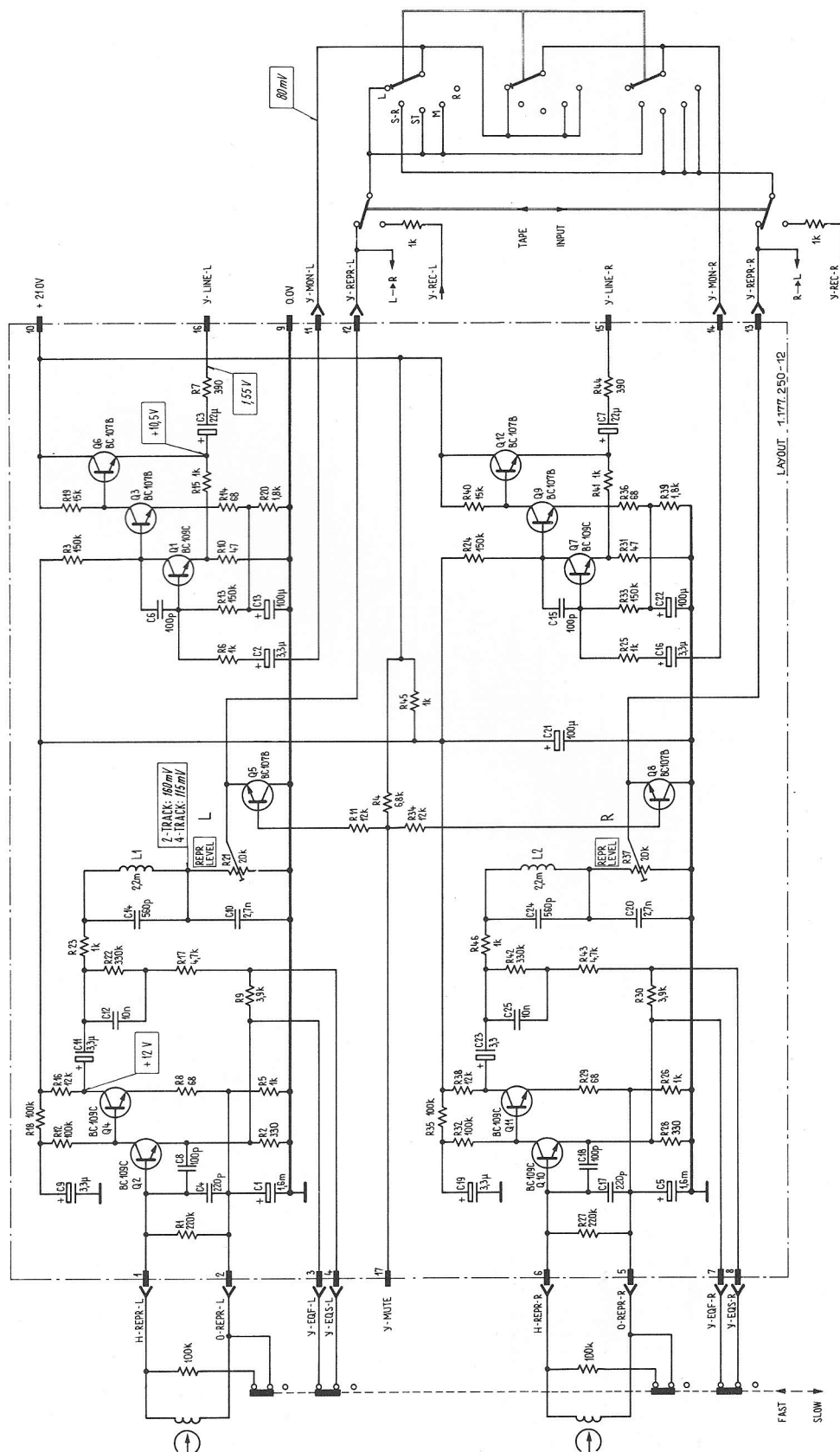


1.177.242: VALID ONLY FOR EARLIER VERSIONS 877 HS
C8 = 8200p

★	T1	Q1	R5	C8
1.177.240	1.022.181-00	BD140	6.8k	6800p
1.177.242	1.022.192-00	BD140	6.8k	8200p
1.177.243	1.022.203-00	BD136-16	5.6k	12n

1.177.242: VALID ONLY FOR EARLIER VERSIONS B77 HS
T1 = 1.022.192.00
C8 = 8200p

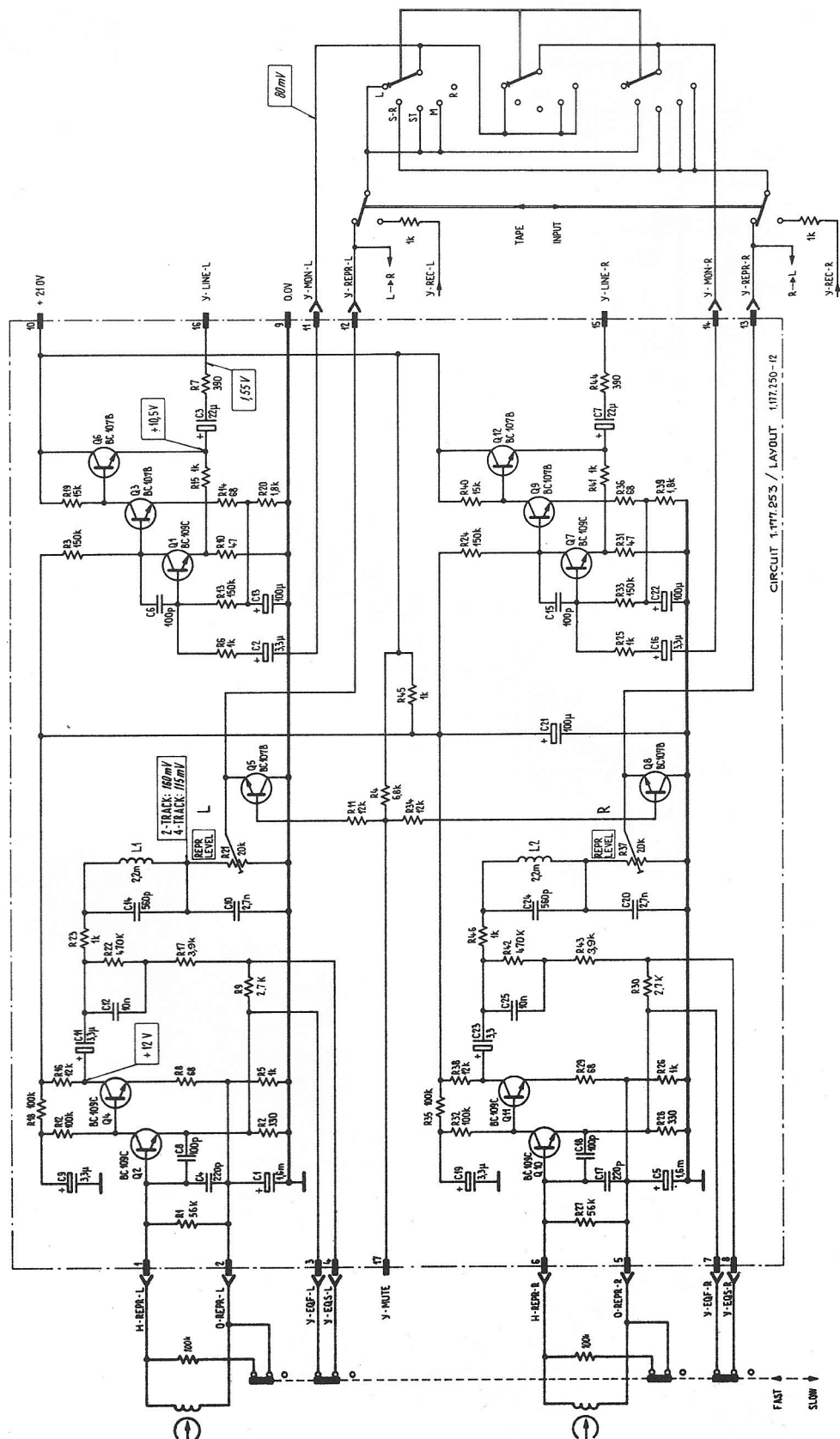
REPRODUCE AMPLIFIER PCB (NAB 3 3/4 - 7 1/2 ips) 1.177.250



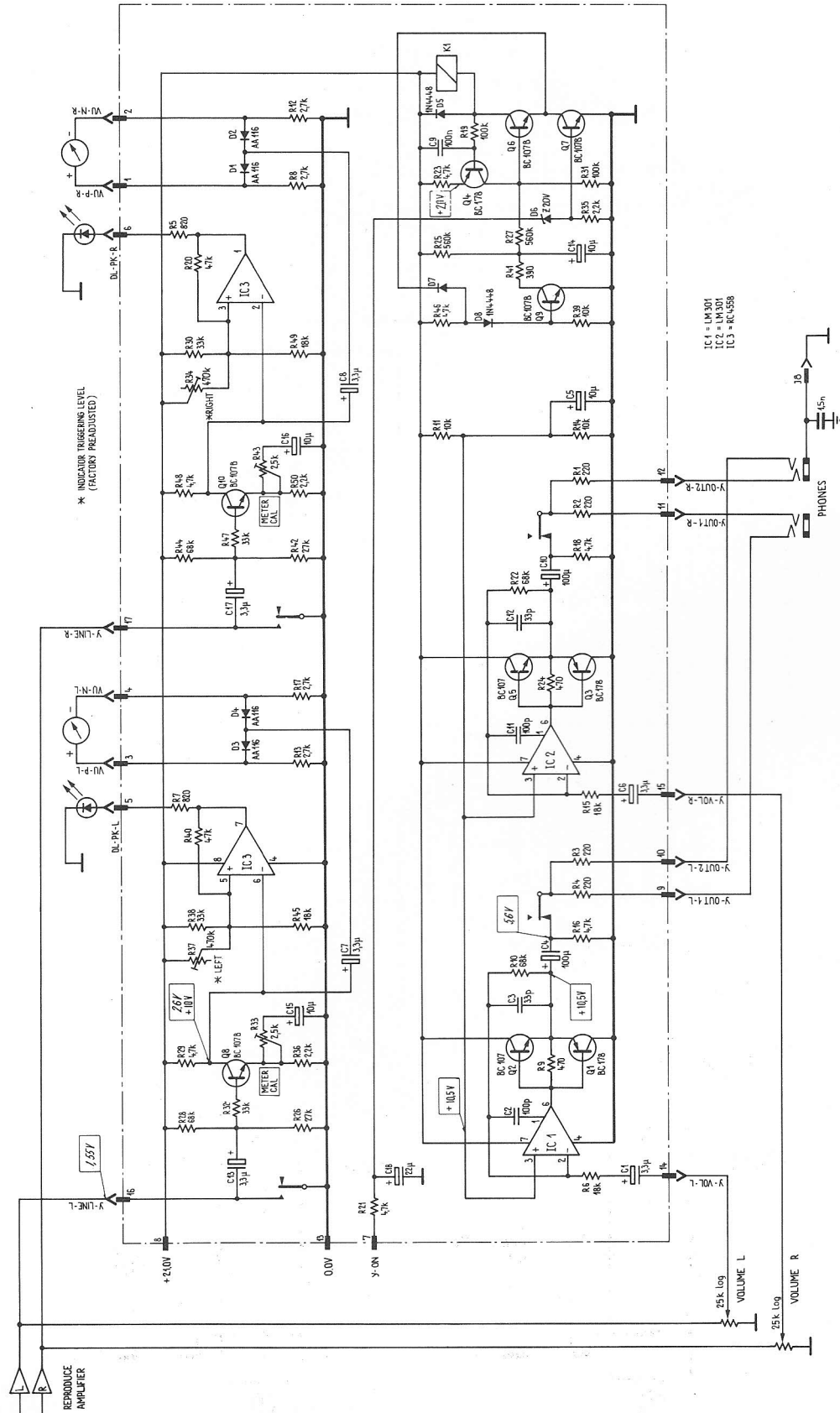
1.177.252



04.07.78



MONITOR AMPLIFIER PCB 1.177.260



UP TO SERIAL NUMBER 20199 : D6 = 2.24V / R34, R37 = FIXED RESISTORS