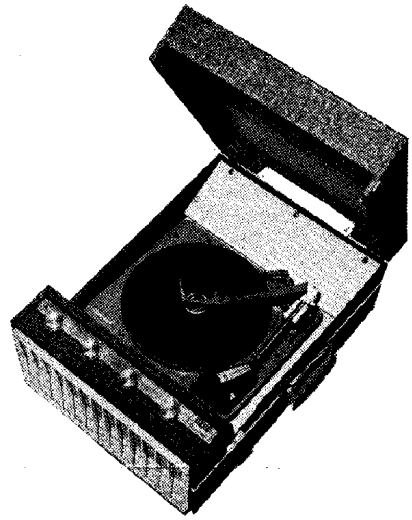
DECCA DECCALIAN Mk4

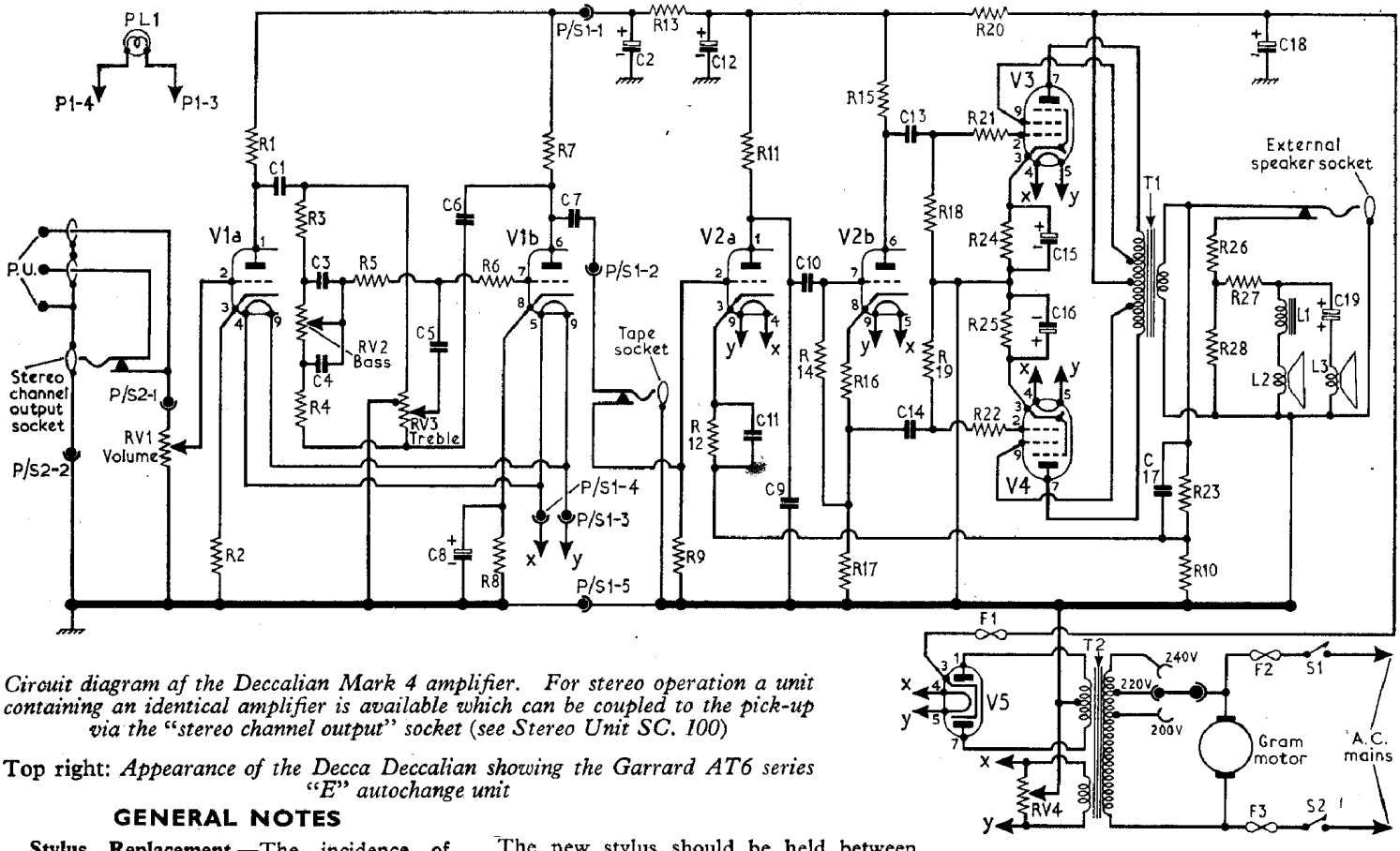
Valve Table

Valve		Anode (V)	Screen (V)	Cathode (V)
V1	ECC83 a	168	—	1·35
	ECC83 b	168	—	1·35
V2	ECC83 a	205	—	1·98
	ECC83 b	248	—	14·7
V3; V4	EL84	290	294	11·7
V5	EZ80	275*	—	298·0

**A.C. reading*



Resistors			Capacitors			Miscellaneous		
R1	100kΩ	F3	C1	0·1μF	F3	F1	500mA	B1
R2	2·2kΩ	F3	C2	16μF	A1	F2	2A	C1
R3	150kΩ	E3	C3	4,700pF	E3	F3	2A	C1
R4	100kΩ	E3	C4	4,700pF	E3	L1	—	E4
R5	220kΩ	F3	C5	150pF	F3	L2	15Ω	E4
R6	3·3kΩ	F3	C6	0·1μF	F3	L3	15Ω	E4
R7	100kΩ	F3	C7	0·047μF	F3	PL1	6·5V 0·3A	E3
R8	2·2kΩ	F3	C8	10μF	F3	T1	—	B1
R9	470kΩ	A2	C9	1,000pF	A2	T2	—	D1
R10	100Ω	A2	C10	0·047μF	A2	S1, S2	—	E3
R11	100kΩ	A2	C11	0·5μF	A2			
R12	3·9kΩ	A2	C12	32μF	C1			
R13	27kΩ	A2	C13	0·047μF	A2			
R14	470kΩ	A2	C14	0·047μF	B2			
R15	27kΩ	A2	C15	25μF	B2			
R16	4·7kΩ	A2	C16	25μF	B2			
R17	27kΩ	B2	C17	5,000pF	A2			
R18	220kΩ	A2	C18	32μF	C1			
R19	220kΩ	B2	C19	8μF	E4			
R20	15kΩ	C2						
R21	18kΩ	B2						
R22	18kΩ	B2						
R23	1kΩ	A2						
R24	390Ω	B2						
R25	390Ω	B2						
R26	2·7Ω	E4						
R27	2·7Ω	E4						
R28	47Ω	E4						
RV1	2MΩ	F3						
RV2	500kΩ	E3						
RV3	1MΩ	F3						
RV4	100Ω	D1						



Circuit diagram af the Deccalian Mark 4 amplifier. For stereo operation a unit containing an identical amplifier is available which can be coupled to the pick-up via the "stereo channel output" socket (see Stereo Unit SC. 100)

Top right: *Appearance of the Decca Deccalian showing the Garrard AT6 series "E" autochange unit*

GENERAL NOTES

Stylus Replacement.—The incidence of groove jumping and distortion particularly in the upper frequencies may be symptoms that the stylus is reaching the end of its playing life.

To remove the old stylus, run the finger down the front of the pick-up head to ease the stylus bar out of its slot. The stylus bar is then gripped between finger and thumb, and pushed forward free from its rear locating hole.

The new stylus should be held between finger and thumb and the rear peg inserted into the locating hole in the pick-up. Push the stylus gently backwards until the protrusions on the stylus bar locate gently against the nose of the stylus slot then touch the stylus bar into the slot.

If the stylus does not sit squarely with the diamond shank vertical, do not attempt to twist the bar into a better position, remove the stylus and re-set it into position as described.

Heater Balance Adjustment.—If any valve is replaced, **RV4** located on the mains transformer **T2** should be adjusted for minimum hum level. This may be done aurally by adjusting **RV4** under no signal conditions for minimum audible hum from the loudspeakers with volume and bass controls turned to maximum.

A preferred method is to connect a suitable a.c. millivoltmeter across the bass speaker terminals and adjust **RV4** for maximum dip on the meter.