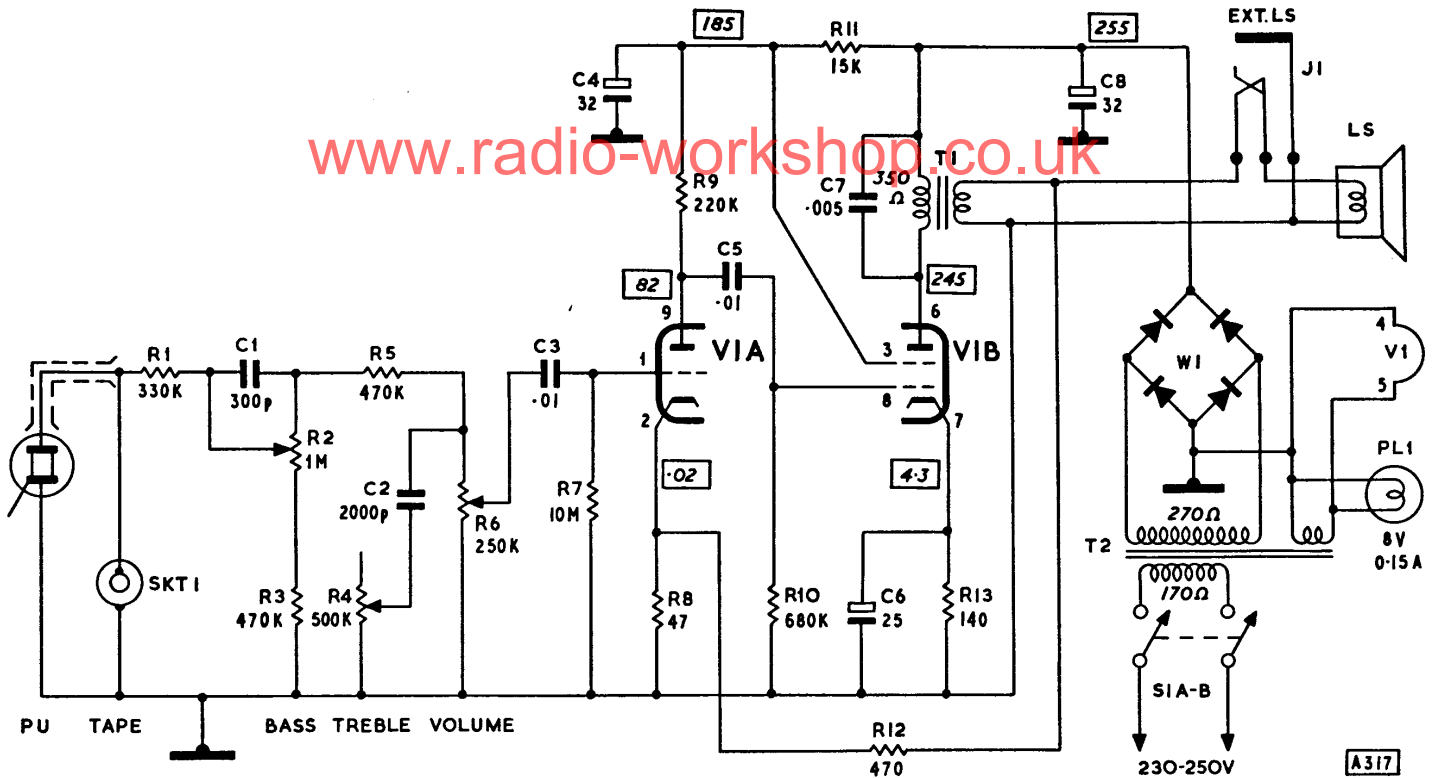


AUDIO AMP. AUDIO OUTPUT

ECL86



CIRCUIT DIAGRAM. DC voltages measured with a 20,000 ohm/volt meter with a mains input of 240 volts AC.

RESISTORS

All 1/4 watt carbon 20% tolerance, unless otherwise stated.

Ref.	Value	Rating	Function and Part No.
R1	330KΩ		Part input attenuator
R2	1MΩ	Lin. pot.	Bass control
R3	470KΩ		Part bass control circuit
R4	500KΩ	Lin. pot.	Treble control
R5	470KΩ		Part input attenuator
R6	250KΩ	Log. pot.	Volume control
R7	10MΩ		V1A grid leak
R8	47Ω		V1A cathode bias
R9	220KΩ		V1A anode load
R10	680KΩ		V1B grid leak
R11	15KΩ	1/4W 10%	HT smoothing
R12	470Ω		Negative feedback
R13	140Ω	1/4W 10%	V1B cathode bias

CAPACITORS

All 350V DC working 20% tolerance, unless otherwise stated.

Ref.	Value	Rating	Function and Part No.
C1	300pF	500V AC	Part bass control circuit
C2	2000pF	500V AC	Part treble control circuit
C3	0.01μF	300V AC	V1A grid coupling
C4	32μF	ELEC. 300V	HT smoothing
C5	0.01μF	300V AC	V1B grid coupling
C6	25μF	ELEC. 25V	V1B cathode bypass
C7	0.005μF	400V AC	Tone correction
C8	32μF	ELEC. 300V	HT reservoir

MISCELLANEOUS

Ref.	Description	Part No.
T1	Audio output transformer	8D3001
T2	Mains transformer	803002
SKT1	Tape socket	8F6004
W1	HT rectifier—FC142	8E9001
LS	Loudspeaker 8 in. × 5 in. elliptical	16012/28
PL1	Pilot lamp 8V 0.15A	33762
S1a-b	On-Off switch	See R4
J1	Ext. loudspeaker socket	8F6004

SPARE PARTS LIST

Description	Part No.
Cabinet	8A0002
Control knobs (3)	57296/6
Clip	47410
Lampholder	23321
Record changer (UA15)	808002
Screws—motor board fixing	SW6NP14/N
Cup washers	WC6/N
Ventilation panel	8A1004
Ventilation panel fixing screws	SJ8N12/N