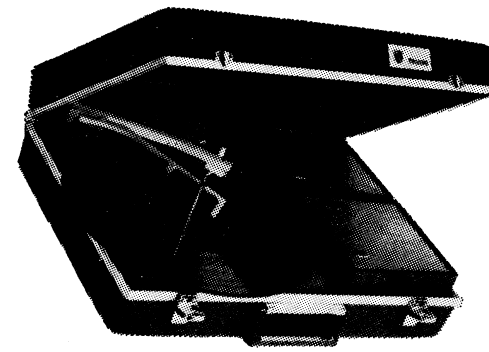
PHILIPS *Service* notes



MODEL GF585

SPECIFICATIONS

Supply Voltage	220-250V 50 Hz
Record Player	BSR.UA.50
Pick-Up Head	BSR.C1ST3
Module	UA501, 2x

ACCESS FOR SERVICE

Place player unit on end and remove bottom panel by unscrewing six woodscrews for full accessibility to changer, controls and modules. There is no need to remove modules for an operational check.

If a module is to be operated away from the chassis, ensure that the transistors are fitted with flag type heat sinks and that these in turn are attached to a suitable metal strip for adequate heat dissipation.

Reinstallation is a reversal of the above procedure.

OUTPUT TRANSISTOR ADJUSTMENT

Provision is made by means of metering points for insertion of a meter for adjustment of output transistor current by means of R108. Current should be adjusted, at no signal, in accordance with the following table.

Temperature °F	75	80	85	90	95	100	105	110	120
TR103/104 Current (mA)	7.5	7.7	7.8	8.0	8.1	8.4	8.8	9.3	10.2

MECHANICAL PARTS LIST

Buffer, Rubber	CS.432.054
Function Plate	4802.454.37001
Knob—Volume, Tone	CS.610.032
Plug, 2 Pin, 2x	4822.264.30041
Slide Switch MSP "VP" Type D	4802.277.27001
Socket, Miniature Jack	CZ.365.600
	C/F.733.1.12
Socket, 2 Pin, 2x	4822.266.20037
Spindle	CS.382.722

SEPTEMBER, 1968

Published by PHILIPS ELECTRICAL PTY. LTD., Australia
Branches in all States

ELECTRICAL PARTS LIST

CAPACITORS

C. No.	DESCRIPTION	V.W.	Tol.±%	REPLACEMENT TYPE or CODE No.
101	100K Polyester	160	10	C.296.AA/A100K
102	125M Electrolytic	10		C.426.AR/D125
103	40M Electrolytic	16		C.426.AR/E40
104	1G Electrolytic	16		C.437.CB/E1000
105	2K7 Polyester	400	10	C.296.AC/A2K7
201	33K Polyester	160	10	C.296.AA/A33K
202	150K Polyester	160	10	C.296.AA/A150K
203	64M Electrolytic	10		C.426.AR/D64
204	10K Polyester	160	10	C.296.AA/A10K
205	47K Polyester	160	10	C.296.AA/A47K
206	80M Electrolytic	16		C.426.AR/E80
301	640M Electrolytic	25		C.437.AR/F640
302	640M Electrolytic	25		C.437.AR/F640
303	22K Flat-Foil	40	20	C.280.AE/P22K
304	22K Flat-Foil	40	20	C.280.AE/P22K

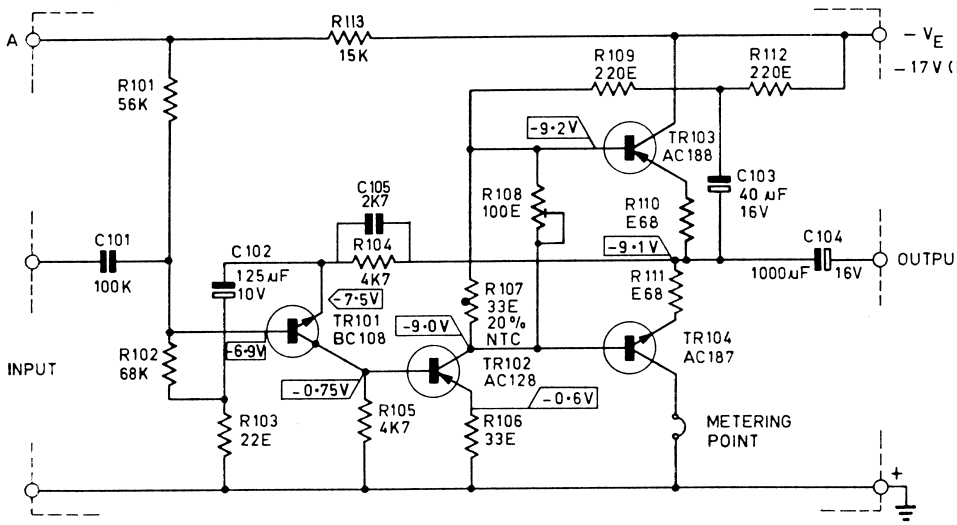
RESISTORS

R. No.	DESCRIPTION	W	Tol.±%	REPLACEMENT TYPE or CODE No.
101	56K Carbon	½	10	B8.305.05A/56K
102	68K Carbon	½	10	B8.305.05A/68K
103	22E Cracked Carbon	½	10	B8.305.05A/22E
104	4K7 Carbon	½	10	B8.305.05A/4K7
105	4K7 Carbon	½	10	B8.305.05A/4K7
106	33E Cracked Carbon	½	10	B8.305.05A/33E
107	33E NTC, Disc.	1	20	E.201.BC/P33E
108	100E Carbon Preset .... (Bias adj.)		20	E.086.AC/100E
109	220E Cracked Carbon	½	10	B8.305.05A/220E
110	E68 Wire Wound	½	10	IRC BW½
111	E68 Wire Wound	½	10	IRC BW½
112	220E Cracked Carbon	½	10	B8.305.05A/220E
113	15K Carbon	½	10	B8.305.05A/15K
201	820K Cracked Carbon	½	10	B8.305.05A/820K
202	1M5 Cracked Carbon	½	10	B8.305.05A/1M5
203	10K Carbon	½	10	B8.305.05A/10K
204	5K6 Carbon	½	10	B8.305.05A/5K6
205	22K Carbon	½	10	B8.305.05A/22K
206	10K Carbon	½	10	B8.305.05A/10K
207	10K Carbon	½	10	B8.305.05A/10K
301	3E9 Wire Wound	5	10	IRC PW5
303-4	2x50K Carbon Pot. Taper 'C' with Push-Pull DPST.SW. (Volume)			4802.102.27002
305-6	2x250K Carbon Pot. Taper 'C' (Tone)			4802.102.17001

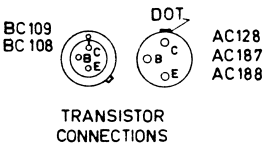
INDUCTORS

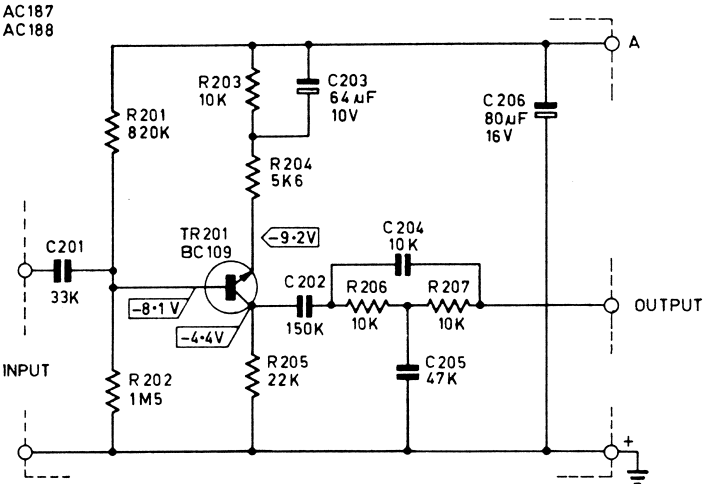
L. No.	DESCRIPTION	CODE No.
301	Power Transformer	CZ.344.157
302-303	Speaker Rola (C 5G 09)	4802.240.57001

UA501

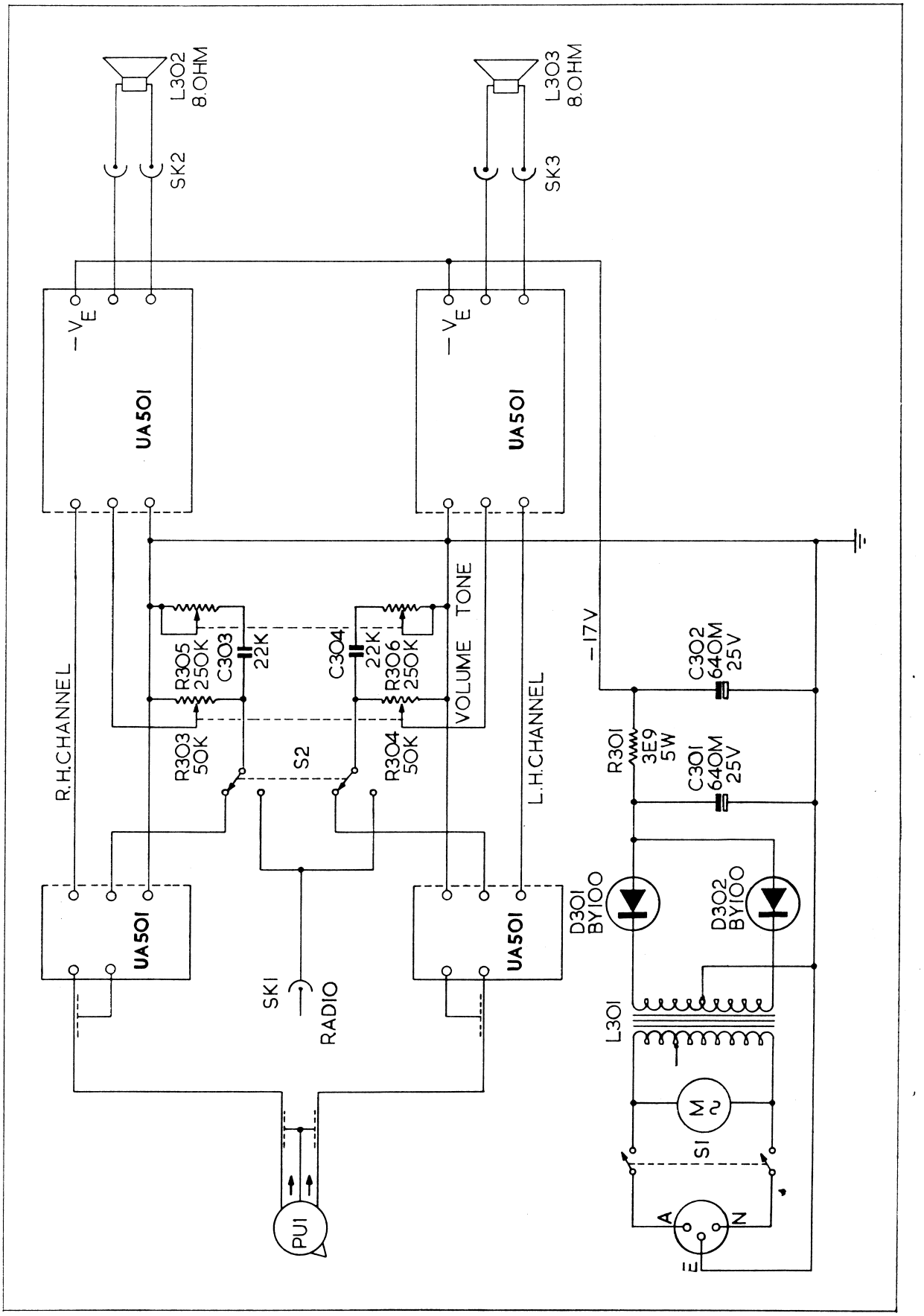


C	201		202,203, 204	205	206	C
R	201,202	204,205	206	207		R
TR	201					TR





NOTES: RESISTORS ARE ± 10% UNLESS INDICATED OTHERWISE.
VOLTAGES ARE MEASURED WITH VTVM RELATIVE TO POSITIVE UNDER "NO SIGNAL" CONDITIONS.
QUIESCENT CURRENT TR103-TR104 SET BY MEANS OF R108 TO 7·5mA AT 17V AND 75°F.


L302
8.OHM
L303
8.OHM
SK2
SK3
-VE
-VE
UA501
UA501
UA501
UA501
R.H.CHANNEL
L.H.CHANNEL
R305
250K
C303
22K
C304
22K
R306
250K
VOLUME
TONE
R303
50K
S2
R304
50K
-17V
C302
640M
25V
R301
3E9
5W
C301
640M
25V
D301
BY100
D302
BY100
L301
SK1
RADIO
PU1
M
S1
A
N
E