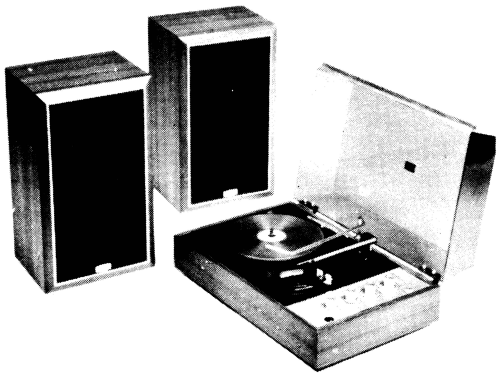
ASTOR

MODEL GF 054



SERVICE DATA

SPECIFICATIONS

Supply source	240 Volts 50 Hz
Power consumption	21 Watts Approx.
Power Output	3 Watts per channel

ACCESS TO INTERIOR

Unplug mains lead at power point and remove screws holding cabinet base in position.

ADJUSTMENT OF QUIESCENT CURRENT

EQUIPMENT: DC mA Meter **CONDITION:** No input signal and vol. control minimum.

Connect meter in place of Link A – B.

Switch set on and allow sufficient time for current to stabilise.

Adjust preset pot. circuit No. 81 until meter reads 8 mA ± 2mA.

Connect meter in place of Link C – D and adjust preset pot. circuit No. 82 for the same reading.

AMPLIFIER GAIN TEST

EQUIPMENT: Audio Generator – 600 ohm Impedance
Output meter – 15 ohm

CONDITION: Volume control Maximum

Bass)
Treble) Controls Mid Position
Balance)

Connect output meter in place of speaker in one channel.

Connect generator to both inputs and set frequency at 1000 Hz.

With the generator output level at 115 mV the amplifier output should be at least 50 mW.

Transfer output meter to other channel and repeat above operation.

The difference between the two outputs should be within 2dB.

SPEAKER PHASING

If a speaker has to be replaced, note the lead connections to ensure correct phasing when reconnecting.

STYLUS PRESSURE

The stylus pressure should be within 5 – 7 grammes.

RADIO CORPORATION PTY. LTD.
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ELECTRONIC INDUSTRIES LTD.

7135-957-01

CAPACITORS:

Circuit No.	Description		Tol ±%	V.W.	Part Number
1– 2	.001uF	Ceramic Disc	10	50	4008-040-23
3– 4	27pF	Ceramic Disc	10	50	4008-031-08
5– 6	.047uF	Polyester	10	100	4009-001-36
7– 8	.47uF	Electrolytic		50	4005-056-03
9	.47uF	"		25	4005-040-08
10					
11–12	4.7uF	Electrolytic		50	4005-055-08
13–14	.001uF	Polyester	10	100	4009-010-20
15–16	.01uF	Polyester	10	100	4009-014-38
17–18	.0047uF	Polyester	10	100	4009-017-20
19–20	.047uF	Polyester	10	100	4009-001-36
21–22	4.7uF	Electrolytic		50	4005-055-08
23–24	4.7uF	"		50	4005-055-08
25–26	47uF	"		16	4005-040-09
27–28	100pF	Ceramic Disc	20	50	4008-006-15
29	100mF	Electrolytic		50	4005-002-56
30					
31–32	.0015uF	Polyester	10	100	4009-016-15
33–34	220uF	Electrolytic		16	4005-059-03

RESISTORS

Circuit No.	Ohms	Description	Tol. ±%	Watts	Part Number
5	47	Carbon (on radio input socket)	10	.5	4022-041-01
37–38	1M5	Carbon	10	.5	4022-046-01
39	2M	Volume Control	Ganged		4034-001-14
40					
41–42	150K	Carbon	10	.5	4022-038-01
43–44	68K	"	10	.5	4022-048-01
45–46	100K	"	10	.5	4022-013-01
47–48	10K	"	10	.5	4022-004-01
49–50	6K8	"	10	.5	4022-002-02
51	100K	Balance Control			4032-001-23
52					
53	250K	Treble Control	Ganged		4034-005-06
54					
55–56	220K	Carbon	10	.5	4022-063-01
57–58	22K	"	10	.5	4022-026-02
59–60	27K	"	10	.5	4022-073-01
61–62	22K	"	10	.5	4022-026-01
63	250K	Bass Control	Ganged		4034-005-06
64	2K2	Carbon	5	.5	4022-021-11
65–66	2K2	"	5	.5	4022-021-11
67–68	330K	"	10	.5	4022-047-01
69–70	680K	"	10	.5	4022-055-01
71					
72					
73–74	150K	Carbon	10	.5	4022-038-01
75–76	12K	"	10	.5	4022-029-01
77–78	47	"	5	.5	4022-041-11
79–80	1K	"	10	.5	4022-008-01
81–82	470	Preset Pot			4025-036-07
83–84	1K2	Carbon	10	.5	4022-040-01
85–86	4K7	Carbon	5	.5	4022-005-15
87–88	470	"	10	.5	4022-016-01
89	22	"	10	.5	4022-033-01
90					
91–92	1	W.W.	10	.5	4024-008-02
93–94	1	W.W.	10	.5	4024-008-02
95–96	470	Carbon	10	.5	4022-016-01

POWER SUPPLY CHASSIS

Circuit No.	Description	Tol. ±%	V.W.	Part Number
1	.01uF Polyester	10	630	4009-014-40
2	2200uF Electrolytic	–	35	4005-060-02
7, 8	BY 126/400 Diode	–	–	4127-125-01
11	Mains Transformer	–	–	4041-130-01
12	Mains Plug and Lead	–	–	4078-069-03

MISCELLANEOUS

Circuit No.	Description	Part Number
10	Record Changer (Garrard CC10)	4060-020-01
13	Tape socket	7222-201-01
14, 16	7 pin connector	7171-153-01
15	Radio socket	7222-172-01
17, 18	Speaker socket assembly	7222-196-01
19, 20	Speaker lead and plug assembly	4078-092-01
21, 22	Speaker (Plessey 6MX/10862/15)	4056-003-12
23	Headphone socket	7122-003-02
24	Printed board complete	7392-037-01

MECHANICAL

Description	Part Number
Knobs (4)	7124-531-01
Spring Knob Insert (4)	7225-035-01
Base cabinet	7016-173-02
Lid assembly	7132-089-02
Lid	7132-072-02
Hinge	7112-079-01
Screws (4) lid hinge	7196-275-11
Dome nuts (4) lid hinge	7146-726-01
Stop (3) Moulded Cab. (2) Lid (1)	7228-043-02
Stop (1) Moulded Lid (1)	7228-043-12
Retainer (1) Lid stop	7185-047-01
Designation Metcal – control panel	7008-537-01

TRANSISTORS

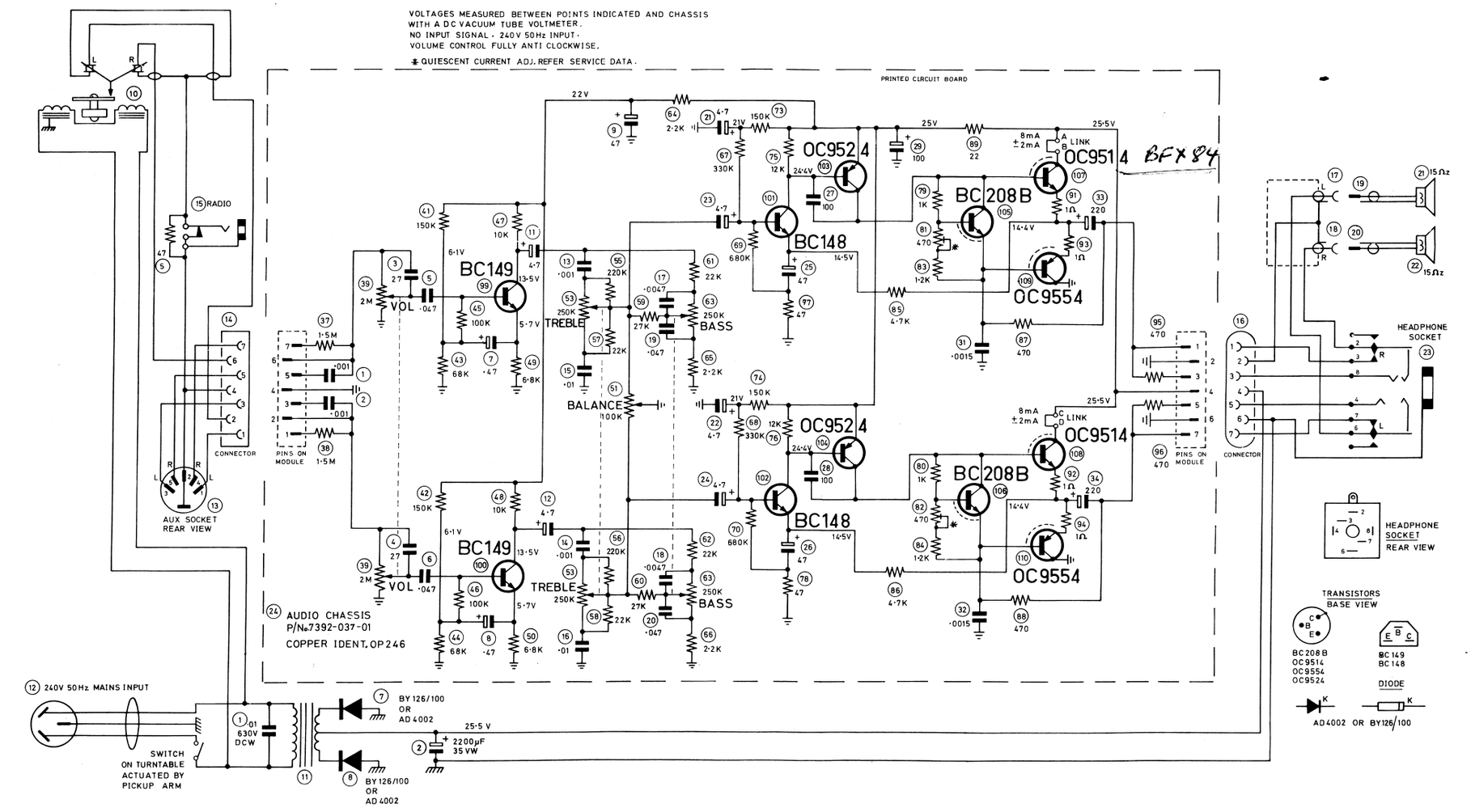
Circuit No.	Description	
99–100	BC 149	Pre-Amplifier
101–102	BC 148	Amplifier
103–104	OC9524	Driver
105–106	BC208B	Driver
107–108	OC9514	Output
109–110	OC9554	Output

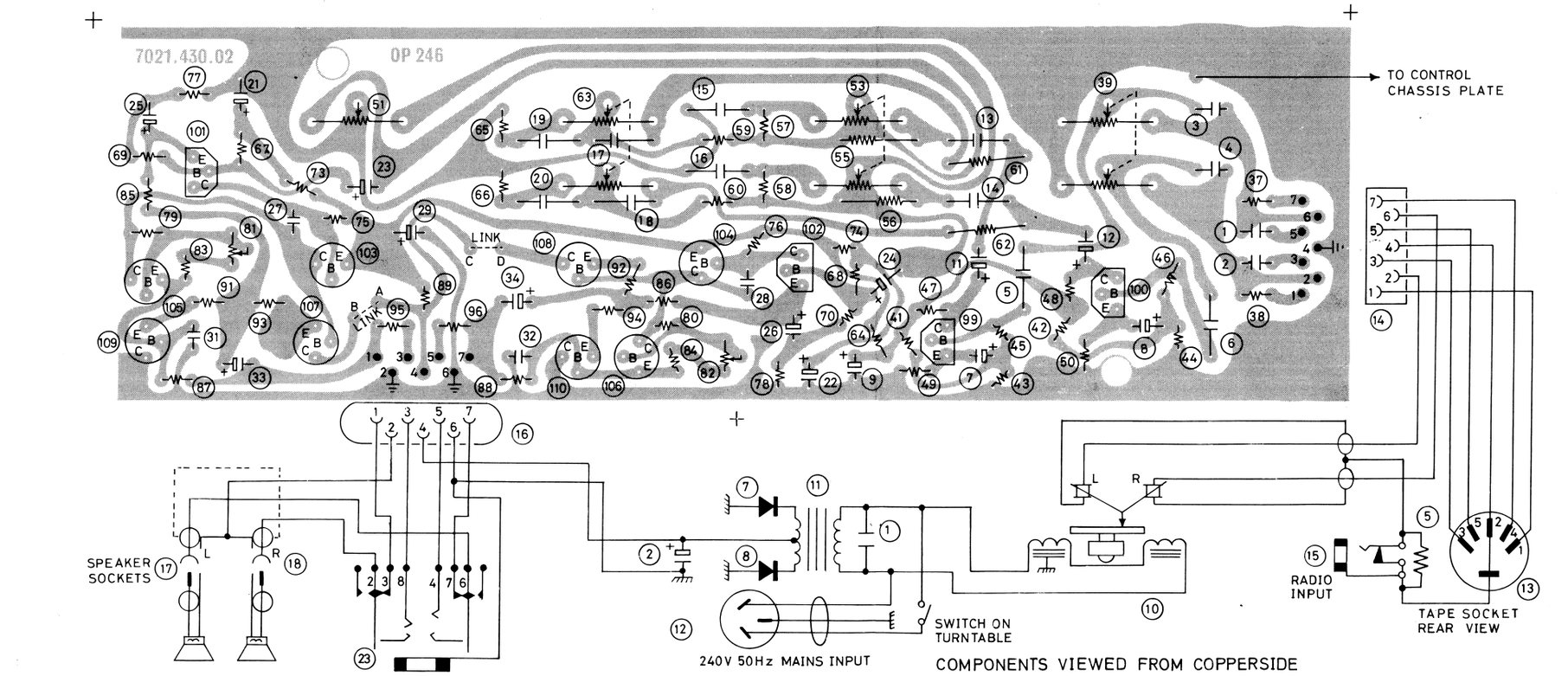
STYLING

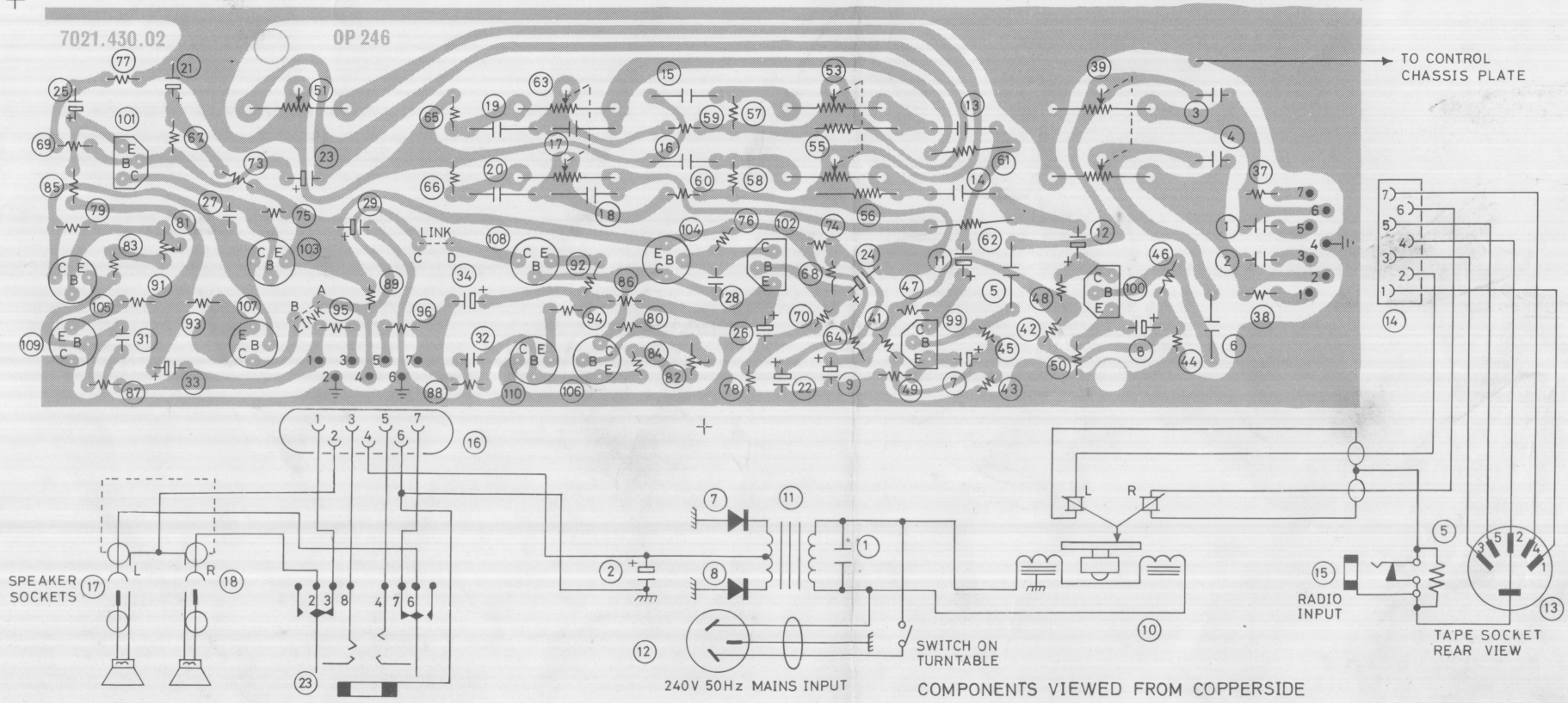
	Danish Walnut Corinite	Teak Corinite
Cabinet	7038-047-52	7038-047-54
Rail Assy.	7179-358-52	7179-358-54
Insert	7119-177-52	7119-177-54
Speaker Box	7124-157-52	7024-157-54

VOLTAGES MEASURED BETWEEN POINTS INDICATED AND CHASSIS
WITH A DC VACUUM TUBE VOLTMETER.
NO INPUT SIGNAL - 240V 50Hz INPUT.
VOLUME CONTROL FULLY ANTI CLOCKWISE.

* QUIESCENT CURRENT ADJ. REFER SERVICE DATA.



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OP 246
TO CONTROL CHASSIS PLATE
LINK
SPEAKER SOCKETS
240V 50Hz MAINS INPUT
SWITCH ON TURNTABLE
RADIO INPUT
TAPE SOCKET REAR VIEW
COMPONENTS VIEWED FROM COPPERSIDE