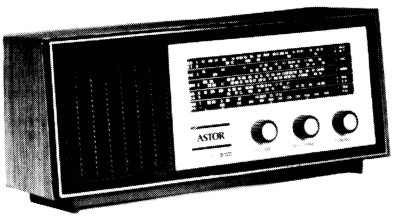
MODEL MF 026

ASTOR



SERVICE DATA

SPECIFICATIONS

Tuning Range	–	525 – 1605 KHz.
Intermediate Frequency	–	455 KHz.
Supply Source	–	240 Volt, 50 Hz.
Power Consumption	–	6 Watts (approx.).
Power Output	–	1 Watt.

ACCESS TO INTERIOR

Unplug mains lead at power point. Remove two screws from rear and two screws from base. Cabinet body can now be removed from front section.

ALIGNMENT

EQUIPMENT: Signal Generator
Output Meter 15 ohm.

CONDITION: Volume and Tone controls maximum Tuning Gang fully open.
Output Meter in place of Speaker.

I.F. ALIGNMENT

Apply 455 KHz signal through a .1 uF capacitor to tuning gang aerial section where aerial trimmer is connected. Adjust respectively the cores in IFT. 3, IFT. 2 and IFT. 1 for maximum output on meter. Repeat as necessary.

R.F. ALIGNMENT

Connect approx. 2 ft. of wire to output of generator and arrange it into a vertical position. Place receiver with the rod aerial horizontal approx. 1 ft. from this wire and proceed as follows:

With tuning gang fully closed, set dial indicator to low frequency limit mark on dial. Tune to 600 KHz spot on dial, and with generator at this frequency, adjust oscillator core for maximum output on meter.

Now tune to 1400 KHz spot on dial, and with generator at this frequency, adjust oscillator trimmer for maximum output. Repeat until both frequencies are correct.

Then again tune to 600 KHz spot and adjust peaking ring on rod aerial for maximum output, and at 1400 KHz adjust aerial trimmer for maximum output. Repeat as necessary.

7135-976-01

RADIO CORPORATION PTY. LTD.
DIVISION OF
ELECTRONIC INDUSTRIES LTD.

FEBRUARY 1972

PARTS LISTS

CAPACITORS

Circuit No.		Description	V.W.	Tol. ±%	Part Number
1		Two Gang Tuning Capacitor	—	—	4000-062-01
2		Aerial Trimmer	—	—	4000-012-02
3	.01uF	Polyester	100	10	4009-014-38
4	.01uF	Polyester	100	10	4009-014-38
5					
6		Oscillator Trimmer	—	—	4000-024-01
7	4.7uF	Electrolytic	25	—	4005-055-05
8	.01uF	Ceramic	25	—	4008-039-10
9	.01uF	Ceramic	25	—	4008-039-10
10					
11	220pF	Polyester	100	5	4004-005-03
12	.01uF	Ceramic	25	—	4008-039-10
13	.01uF	Ceramic	25	—	4008-039-10
14	220pF	Polyester	100	5	4004-005-03
15	.1uF	Polyester	100	10	4009-008-40
16	100uF	Electrolytic	25	—	4005-002-49
17	.01uF	Ceramic	25	—	4008-039-10
18	.022uF	Ceramic			4008-010-06
19	.47uF	Electrolytic	50	—	4005-056-03
20					
21	.33uF	Polyester	200	10	4009-005-31
22	.047uF	Polyester	100	10	4009-001-36
23	.47uF	Electrolytic	50	—	4005-056-03
24	.001uF	Ceramic	500	—	4008-009-06
25	220pF	Polyester	100	5	4004-005-03
26	100uF	Electrolytic	25	—	4005-002-49
27	1000uF	Electrolytic	25	—	4008-025-12
28	.33uF	Polyester	200	10	4009-005-31
29	100uF	Electrolytic	50	—	4005-002-56
30	.33uF	Polyester	200	10	4009-005-31
31	.22uF	Polyester	100	10	4009-007-31

RESISTORS

Circuit No.	Ohm	Description	Watts	Tol. ±%	Part Number
32	10K	Carbon	½	10	4022-004-01
33	82K	Carbon	½	10	4022-037-01
34	2K2	Carbon	½	10	4022-021-02
35	82K	Carbon	½	10	4022-037-01
36	10K	Carbon	½	10	4022-004-01
37	82K	Carbon	½	10	4022-037-01
38	680	Carbon	½	10	4022-028-02
39	150K	Carbon	½	10	4022-038-01
40	8K2	Carbon	½	10	4022-027-02
41	56K	Carbon	½	10	4022-003-03
42	560	Carbon	½	10	4022-010-01
43	10	Carbon	½	10	4022-035-01
44	470	Carbon	½	10	4022-016-01
45	3K3	Carbon	½	10	4022-006-01
46	12K	Carbon	½	10	4022-029-01
47	1K5	Carbon	½	10	4022-007-01
48	25K	Carbon potentiometer curve "Z"			4032-054-01
49	50K	Carbon potentiometer curve "Z" with DPST. On/Off Switch			4032-008-16

RESISTORS (CONT'D)

Circuit No.	Ohm	Description	Watts	Tol. ±%	Part Number
50	3K3	Carbon	½	10	4022-006-01
51	47K	Carbon	½	10	4022-051-03
52	10K	Carbon	½	10	4022-004-01
53	100	Carbon	½	10	4022-062-01
54	470K	Carbon	½	10	4022-045-03
55	4K7	Carbon	½	10	4022-005-01
56	47	Carbon	½	10	4022-041-01
57	560	Carbon	½	10	4022-010-01

MISCELLANEOUS

61	Rod Aerial	4074-073-01
62	Oscillator Coil	4043-019-01
63	No. 1 I.F. Transformer	4044-031-01
64	No. 2 I.F. Transformer	4044-032-03
65	No. 3 I.F. Transformer	4044-009-06
66	Power Transformer	4041-179-01
78	Power Lead	4078-069-03
79	On/Off Switch — part of Circuit No. 49	
81 — 82	Dial Globes	4068-033-04
83	Speaker (Plessey 5DO/274/15)	4056-006-22

MECHANICAL

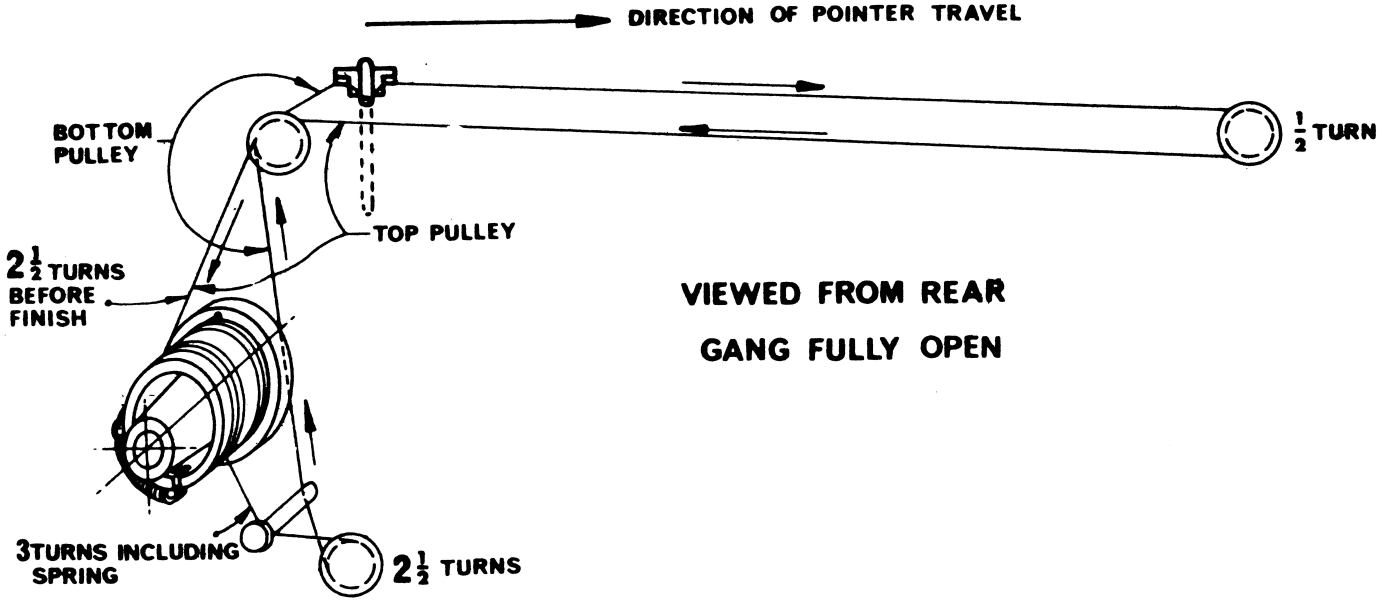
Description	Part Number
Dial	7417-001-02
Drum, dial	7007-045-01
Pointer, dial	7173-074-04
Pulley, dial cord (3)	7174-015-04
"C" Clip Pulley (2)	7055-250-01
Tuning Spindle Assembly	7224-489-01
Socket, dial globe (2)	7222-115-01
Clip, socket holder (2)	7055-291-51
Bush, gang mount (4)	7031-017-01
Grommet, gang mount (4)	7196-032-01
Screw, gang mount (4)	7196-067-15

SEMI CONDUCTORS

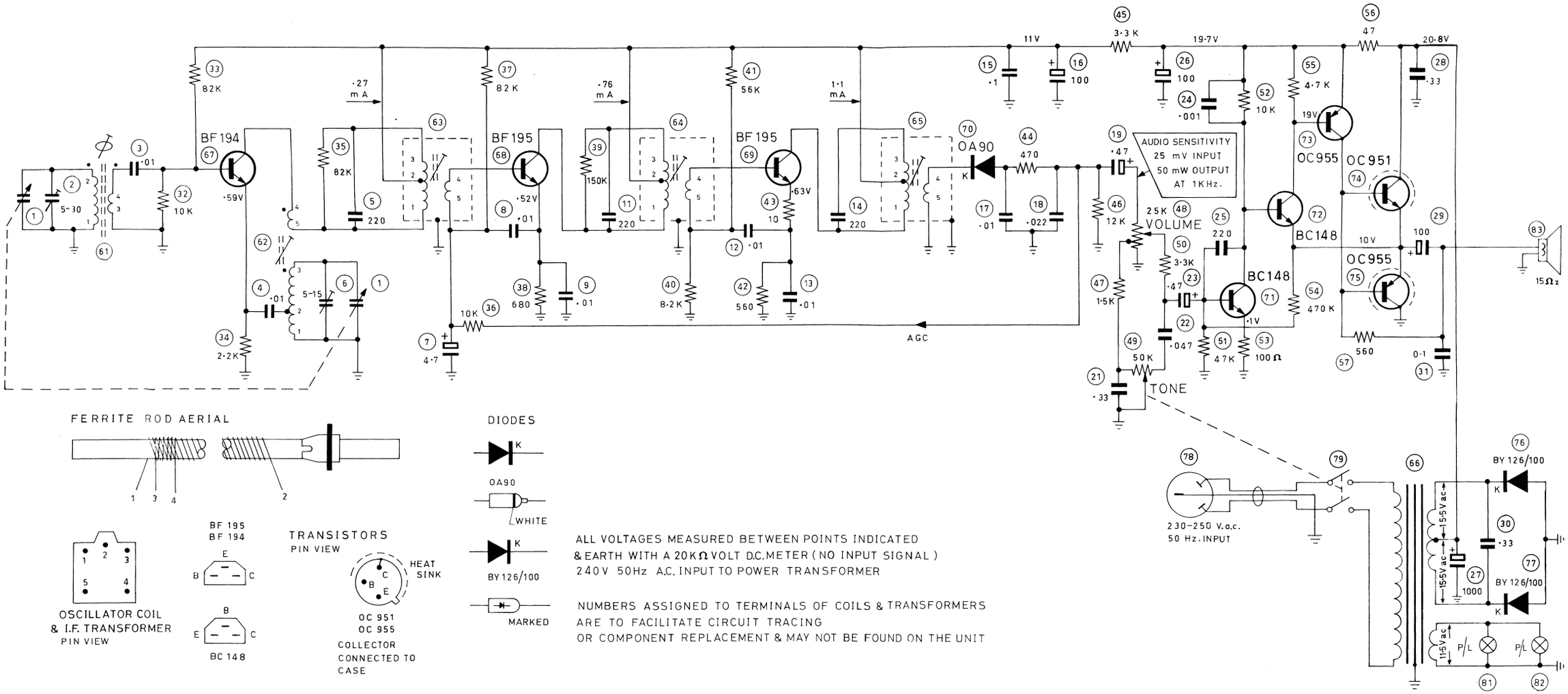
Circuit No.		Description
67	BF 194	Converter
68	BF 195	I.F. Amp.
69	BF 195	I.F. Amp.
70	OA 90	Detector
71	BC 148	Audio Amp.
72	BC 148	Audio Amp.
73	OC 955	Audio Driver
74	OC 951	Audio Output
75	OC 955	Audio Output
76 — 77	BY 126/100	Rectifier

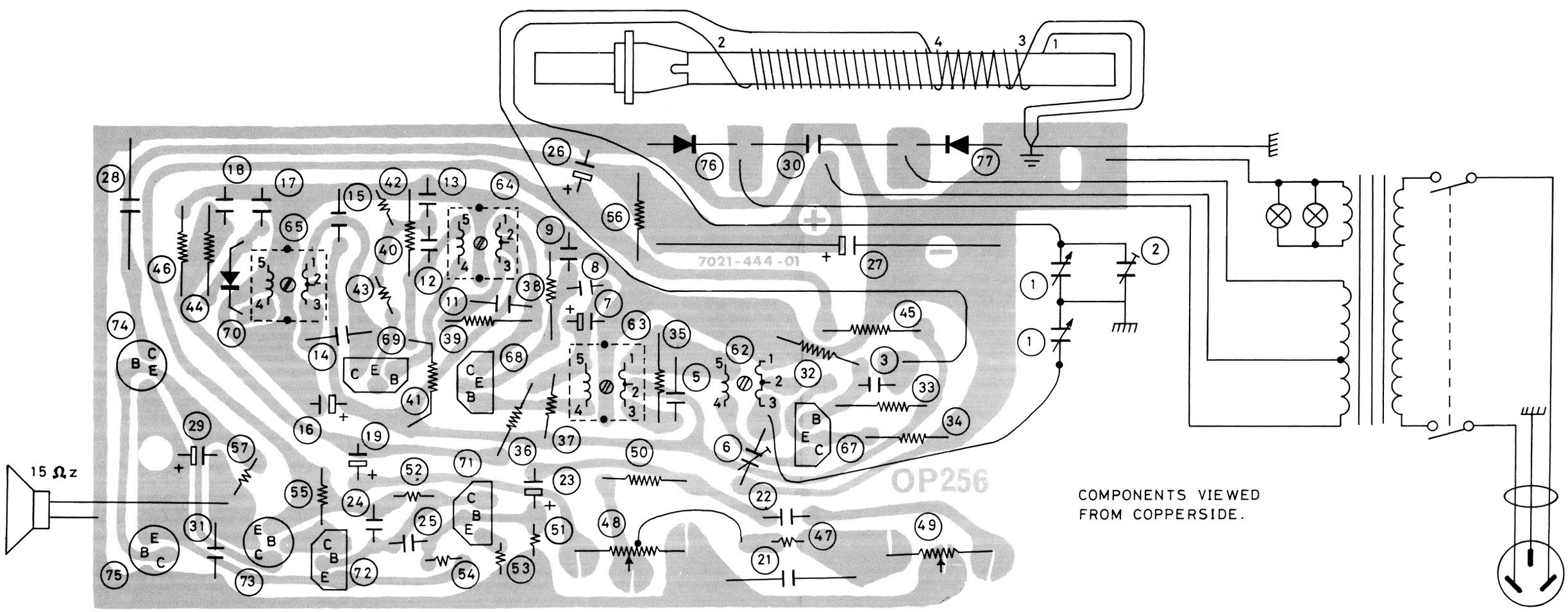
STYLING

	Woodgrain	White	Mad Mustard
Cabinet Body	7039-005-39	7039-005-33	7039-005-37
Escutcheon Assy.	7084-378-01	7084-378-02	7084-378-02
Knob Assy. (3)	7124-539-02	7124-531-01	7124-531-01
Base Slide	7221-001-19	7221-001-13	7221-001-18



DIAL CORDING DIAGRAM


BF 194
BF 195
BF 195
OA90
OC 955
OC 951
OC 955
BC 148
BC 148
AUDIO SENSITIVITY
25 mV INPUT
50 mW OUTPUT
AT 1KHz.
VOLUME
TONE
AGC
15 Ωz
230-250 V.a.c.
50 Hz. INPUT
BY 126/100
BY 126/100
FERRITE ROD AERIAL
DIODES
OA90
WHITE
BY126/100
MARKED
BF 195
BF 194
TRANSISTORS
PIN VIEW
HEAT SINK
OC 951
OC 955
COLLECTOR CONNECTED TO CASE
BC 148
OSCILLATOR COIL
& I.F. TRANSFORMER
PIN VIEW
ALL VOLTAGES MEASURED BETWEEN POINTS INDICATED
& EARTH WITH A 20KΩ VOLT D.C.METER (NO INPUT SIGNAL)
240V 50Hz A.C. INPUT TO POWER TRANSFORMER
NUMBERS ASSIGNED TO TERMINALS OF COILS & TRANSFORMERS
ARE TO FACILITATE CIRCUIT TRACING
OR COMPONENT REPLACEMENT & MAY NOT BE FOUND ON THE UNIT


7021-444-01
OP256
15 Ωz
COMPONENTS VIEWED
FROM COPPERSIDE.