

General Description: Six-valve (including rectifier), three-waveband, combined A.M./F.M. receiver. Model 636WF is a table receiver. Model 636FRG is a bureau-type auto-radiogramophone with four-speed B.S.R. "Monarch" record unit.

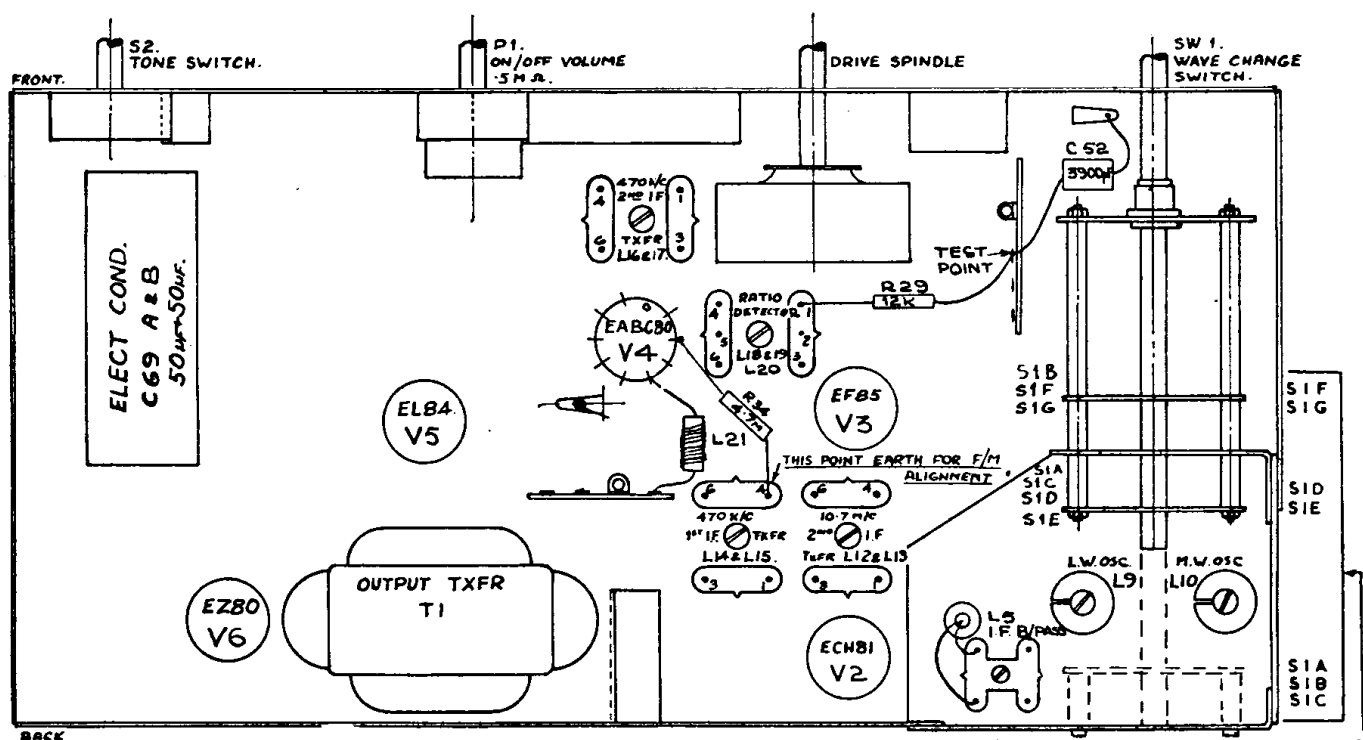
Power Supply: A.C. mains, 200-250 volts, 50 c/s. Consumption 50 watts (autochanger 8 watts).

Wavebands: L.W. 1000-2000 m.; M.W. 188-565 m.; V.H.F. 87.5-100 Mc/s.

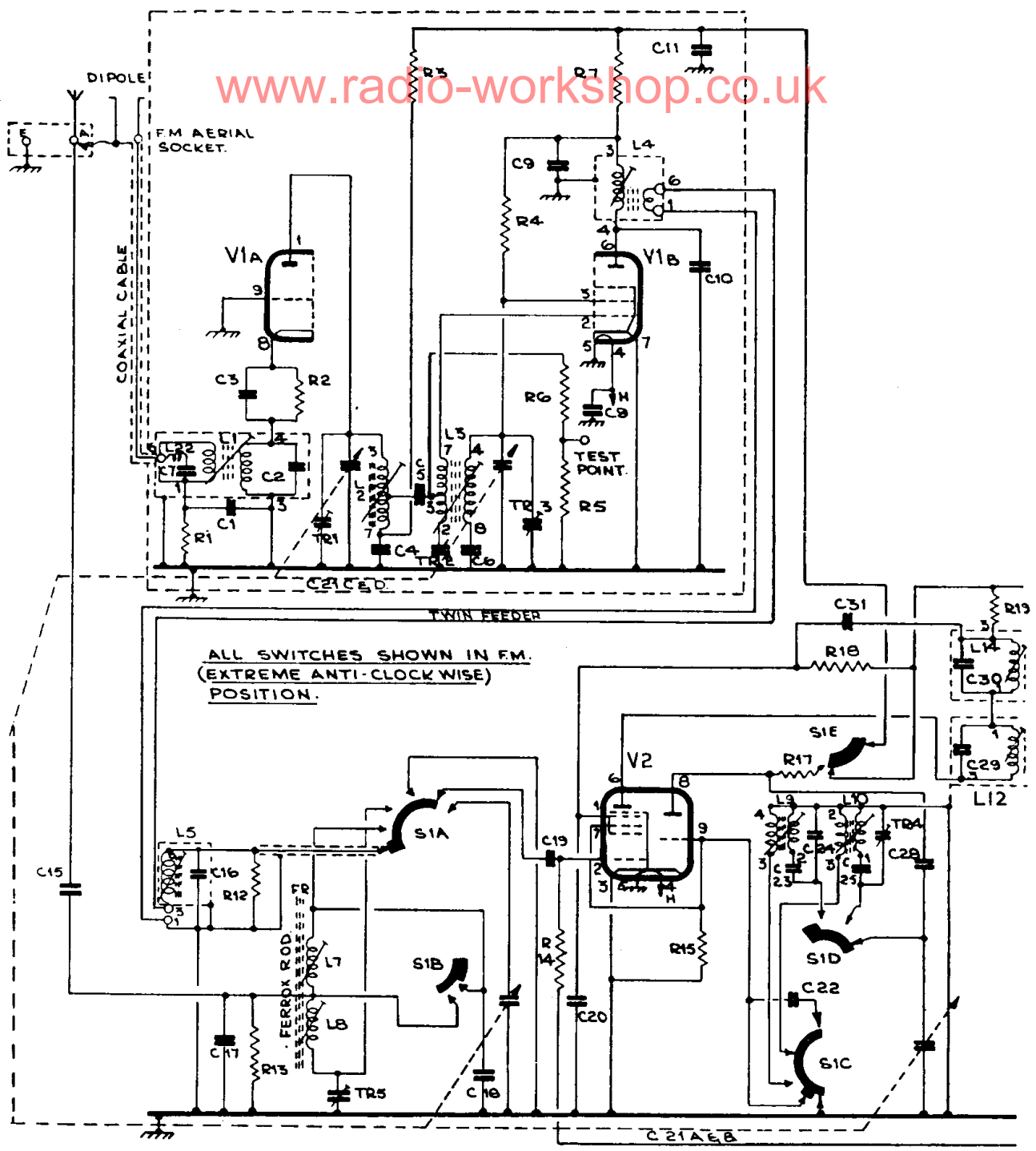
Valve Analysis: The following measurements were made with Avo Model 7 under no-signal conditions with 230 volts A.C. to appropriate tap. Figures in brackets refer to F.M. operation.

Valve	Anode, volts	Screen, volts	Cathode, volts	Cathode, mA.
V1A ECF80/ECF82 .	— (30)	—	— (0.6)	— (3.3)
V1B (pen.) .	— (170)	— (85)	—	— (6.2)
V2 ECH81 .	195 (175)	55 (63)	—	9.2 (8)
(tri.) .	100 (—)	—	—	—
V3 EF85 .	182 (167)	60 (50)	—	11.8 (11)
V4 EABC80 .	140 (130)	—	—	0.6 (0.5)
V5 EL84 .	240 (240)	200 (180)	4, 8 (4.4)	48 (44)
V6 EZ80 .	240 A.C.	—	250 (250)	70 (73)

Alignment Procedure: This is basically similar to that for the 626 series, with the omission of the S.W. alignment.



NOTE: ON SOME CHASSIS THE 4 POSITION WAVE CHANGE SWITCH CONSISTS OF THREE WAFERS & THE CONTACTS ARE GROUP AS SHOWN.



ALL SWITCHES SHOWN IN FM.
(EXTREME ANTI-CLOCK WISE)
POSITION.

CIRCUIT DIAGRAM—

Capacitors.

C1	47 pF. (5%)
C2	5 pF. (5%)
C3	1000 pF.
C4	5000 pF.
C5	30 pF. (5%)
C6	47 pF. (5%)
C7	5 pF. (5%)
C8	1000 pF.
C9	1000 pF.
C10	20 pF. (5%)
C11	1000 pF.
C15	200 pF.
C16	10 pF. (5%)
C17	3900 pF. (5%)
C18	75 pF. (2%)
C19	100 pF. (10%)
C20	5000 pF.
C22	50 pF. (10%)
C23	190 pF. (2%)
C24	140 pF. (2%)
C25	430 pF. (2%)
C28	200 pF. (10%)

C29	20 pF. (5%)
C30	200 pF. (2%)
C31	5000 pF.
C35	0.1
C36	400 pF. (5%) or 410 pF. (2%)
C37	10 pF. (5%)
C38	50 pF. (10%)
C39	5000 pF.
C40	5000 pF.
C41	200 pF. (2%)
C42	2 pF. (5%)
C43	400 pF. (5%) or 410 pF. (2%)
C44	100 pF. (10%)
C45	50 pF. (10%)
C46	47 pF. (5%)
C49	50 pF. (10%)
C50	0.05
C51	400 pF. (5%)
C52	3900 pF. (5%)
C53	0.01

C54	1000 pF.
C55	4 (150 v.)
C56	5000 pF.
C57	1000 pF.
C58	0.01
C59	0.1
C60	1000 pF.
C61	0.1
C64	50 pF. (10%)
C65	0.01
C66	0.25
C67	100 (12 v.)
C68	1000 pF. (800 v. A.C.)
C69	50 + 50 (275 v.)
TR1	9 pF.
TR2	5-30 pF.
TR3	4.7 pF.
TR4	40 pF.
TR5	40 pF.

Resistors.

R1	1M
R2	220 (10%)
R3	47k (10%)
R4	39k (10%)
R5	470k (10%)
R6	470k (10%)
R7	1.5k (10%)
R12	47k
R13	33k
R14	1M
R15	47k
R17	27k (10%)
R18	39k (10%)
R19	1.5k
R20	1M
R26	68k (10%)
R27	1.5k
R28	270 (10%)
R29	12k
R30	220k

R31	47k
R32	47k
R33	2.2M
R34	4.7M
R39	39k (10%)
R40	100k
R41	270 (10%)
R42	470 (10%)
R43	6.8k (10%)
R44	10M
R45	2.2k (10%)
R46	1M
R47	150k
R48	68k
R49	47k
R51	1M
R52	100k
R53	100 (5%)
R54	2.2k (10%)
P1	0.5M

