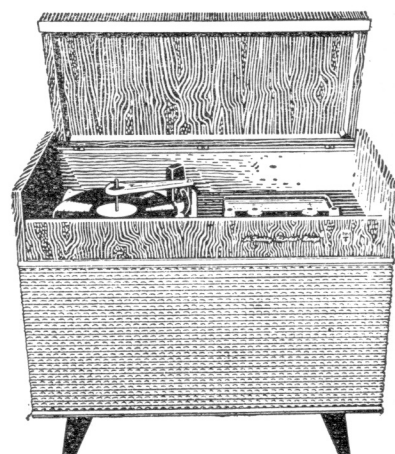


PHILIPS

SERVICE

NOTES



Philips Copenhagen Mk. IV
Model F5Z96A

WAVERANGE

1600—535 kc/s
1F455 kc/s

I.F.

455 kc/s

VALVES

ECH81, EBF89, EBC81,
ECC83, 2xEL86, EZ81

LOUDSPEAKER

2xAD3500BM, 2xAD3800B

RECORD CHANGER AND P.U. HEADS

3063 Stereo, 3016, Dual, Mono, AG3025
Diamond P.U. Heads, AG1014

VOLTAGE TABLE

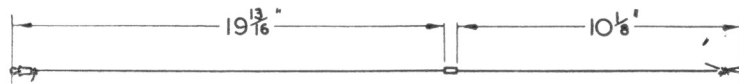
Valve	Anode	Screen	Cathode	Heater
ECH81 Hep.	225	82	—	6.2
ECH81 Tri.	114	—	—	—
EBF89	225	76	—	6.2
EBC81	99	—	—	6.2
ECC83	115 Pin 1	—	—	6.2
ECC83	115*, Pin 6, 7, 8	—	1.2	6.2
EL86 Top	157*	125*	9.2	6.1
EL86 Bottom	123*	145*	10.0	6.1
EZ81	2x275 A.C.	—	296	6.1v

*Measured from Cathode

ALIGNMENT OF RECEIVERS

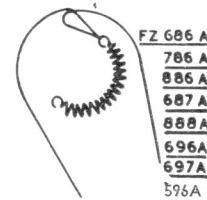
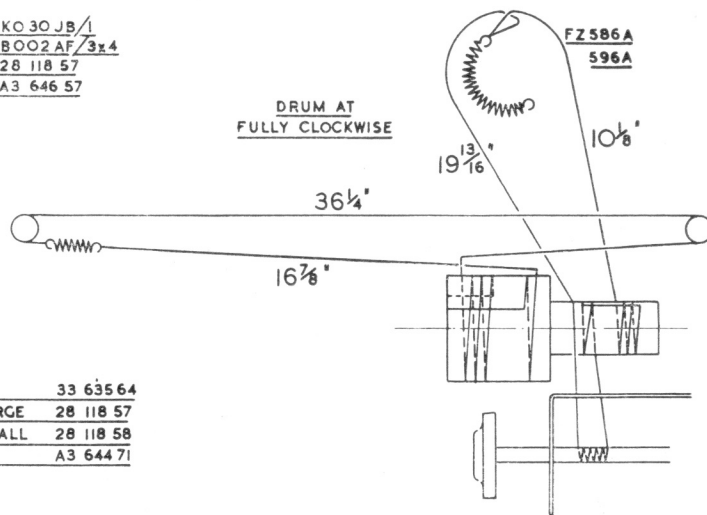
Trimming Frequency	Adjust for Maximum Output
455KC Gang Min. 10Kpfd Grid ECH81	(1) Diode Coil (2) EBF89 Plate (3) ECH81 Plate (4) EBF89 Grid
Connect Generator through Standard Dummy Aerial 600 Kc	Oscillator Coil Slug Aerial Coil on Rod
1400 KC	Oscillator Trimmer on Gang Aerial Trimmer on Gang

DIAL CORD DIAGRAM



DRIVE CORD ASSEMBLY VK 448-17

CORD	KO 30 JB/1
EYELET	BOO2 AF/3x4
BRASS TUBE	28 118 57
SPRING	A3 646 57

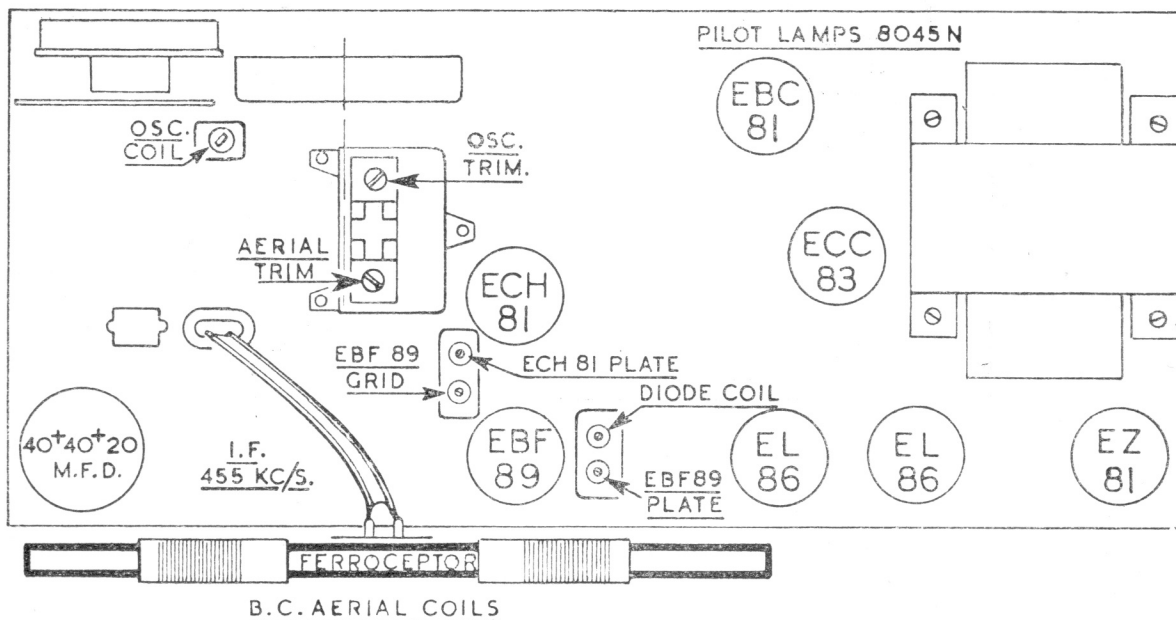


WIRE CABLE	33 635 64
BRASS TUBE LARGE	28 118 57
BRASS TUBE SMALL	28 118 58
SPRING	A3 644 71



POINTER CABLE ASSEMBLY VK 448-II

TRIMMER LOCATION DIAGRAM

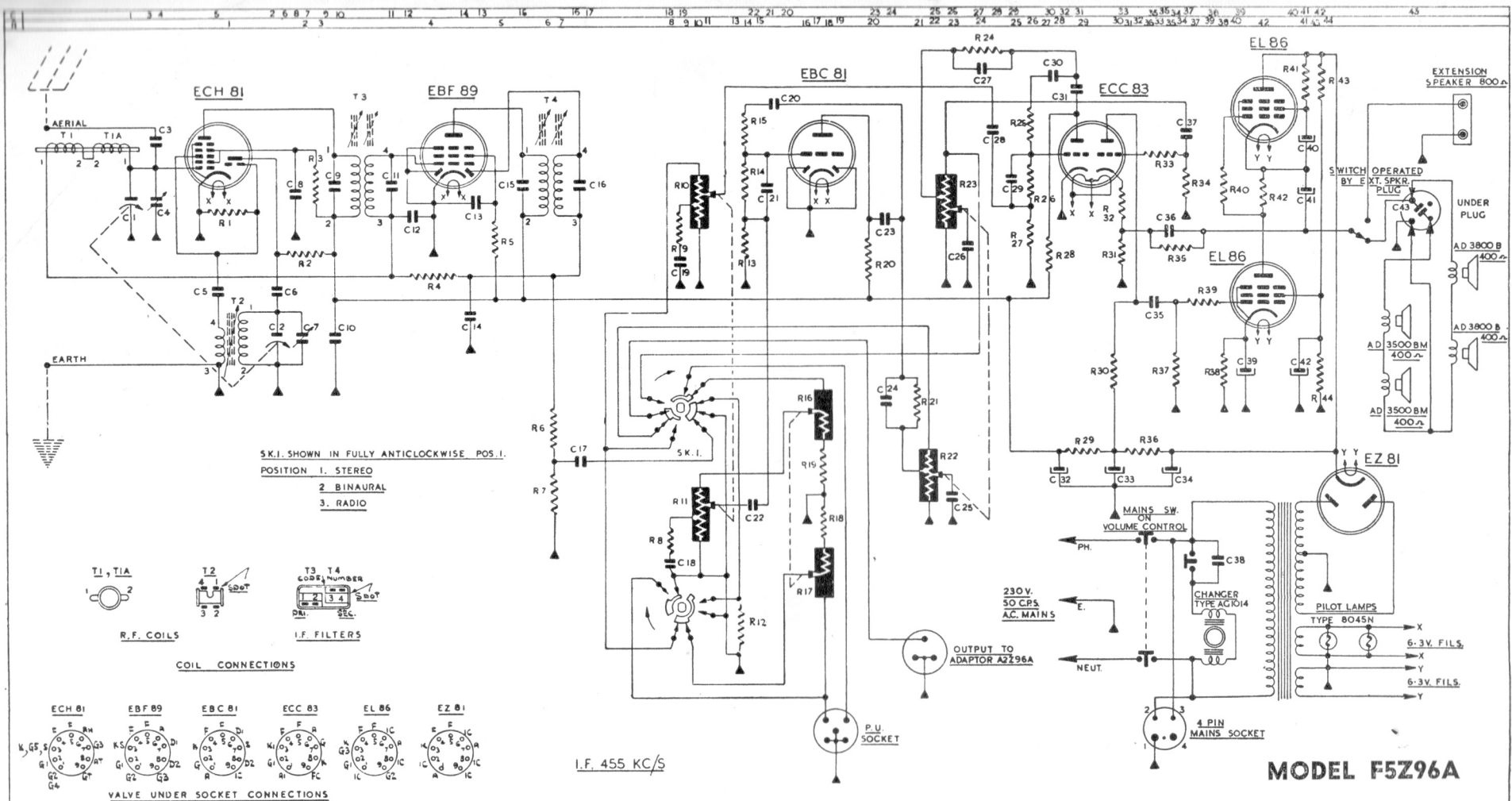


Published by

PRODUCT MAINTENANCE DIVISION, PHILIPS ELECTRICAL INDUSTRIES (N.Z.) LTD.
P.O. BOX 2097, WELLINGTON

with the Compliments of ...
RADIO WHOLESALERS LTD.
P.O. Box 527
INVERCARGILL

1-52964



C1	12-400 MMFD	GANGED	C22	10K MMFD	350V. CERAMIC	C43	100 K MMFD	125V. MYLAR	R19	330 K	1/4 W. CARBON RESISTOR	R40	1K	1/4 W. CARBON RESISTOR
C2	10-193 MMFD	TUNING CONDENSER	C23	10K MMFD	500V. "				R20	100 K	1 W. "	R41	6K8	1/4 W. "
C3	10 MMFD	CERAMIC	C24	500 MMFD	" MICA	R1	47K	1/4 W. CARBON RESISTOR	R21	220 K	1/4 W. "	R42	150K	1 W. C/CARBON
C4	2-25 MMFD	TAMMER	C25	1K5 MMFD	400V. CERAMIC	R2	27K	1/4 W. "	R22	50K+450K	1 W. "	R43	16500	1 W. C/CARBON
C5	50 MMFD	"	C26	1K5 MMFD	400V. "	R3	27K	1/4 W. "	R23	50K+450K	1 W. "	R44	47K	1/4 W. CARBON.
C6	50 MMFD	"	C27	500 MMFD	" MICA	R4	22M	1/4 W. "	R24	220K	1/4 W. CARBON			
C7	2-50 MMFD	"	C28	10K MMFD	350V. CERAMIC	R5	100K	1 W. "	R25	1 MEG	1/4 W. "			
C8	10K MMFD	600V. PAPER	C29	1K5 MMFD	"	R6	100K	1 W. "	R26	56K	1/4 W. "			
C9	110 MMFD	CERAMIC IN I.F. CAN	C30	1K5 MMFD	"	R7	100K	1 W. "	R27	56K	1/4 W. "			
C10	100K MMFD	400V. PAPER IN I.F. CAN	C31	10K MMFD	500V. "	R8	27K	1/4 W. "	R28	100K	1 W. "			
C11	110 MMFD	CERAMIC IN I.F. CAN	C32	20 MFD	"	R9	27K	1/4 W. "	R29	1K8	4 W. WIRE WOUND	T1	FERRACORE RAD. AERIAL COIL	1/4 460-500
C12	47K MMFD	400V. PAPER	C33	40 MFD	TABLE ELECTROLYTIC	R10	2 MEG+200 K	3 CARBON POTENTIOMETER	R30	100K	1 W. CARBON	T2	OSCILLATOR COIL	1/4 471-600
C13	10K MMFD	600V. "	C34	40 MFD	"	R11	2 MEG+200 K	3 CARBON POTENTIOMETER	R31	220 K	1 W. C/CARBON	T3	MICRO 1/2 I.F. BANDPASS FILTER	1/4 127-42
C14	47 MMFD	CERAMIC	C35	10 K MMFD	500V. CERAMIC	R12	5 MEG	1/4 W. "	R32	1K	1/4 W. "	T4	POWER TRANSFORMER	1/4 931-10
C15	110 MMFD	"	C36	100 MMFD	"	R13	5 MEG	1/4 W. "	R33	1K	1/4 W. "			
C16	110 MMFD	"	C37	10 K MMFD	350V. "	R14	56K	1/4 W. "	R34	1 MEG	1/4 W. C/CARBON			
C17	10K MMFD	350V. CERAMIC	C38	10 K MMFD	"	R15	1 MEG	1/4 W. "	R35	56K	1/4 W. WIRE WOUND			
C18	10K MMFD	400V. PAPER	C39	50 MFD	25V. ELECTROLYTIC	R16	1 MEG	1/4 W. CARBON	R36	1K8	4 W. WIRE WOUND			
C19	10K MMFD	400V. "	C40	8 MFD	425V. "	R17	1 MEG	1/4 W. CARBON	R37	270K	1 W. CARBON			
C20	1K5 MMFD	CERAMIC	C41	8 MFD	425V. "	R18	330K	1/4 W. CARBON	R38	150K	1 W. C/CARBON			
C21	1K5 MMFD	"	C42	8 MFD	425V. "				R39	1K	1/4 W. CARBON.			

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F5Z96A

PHILIPS "COPENHAGEN" MK. IV MODEL F5Z96A

