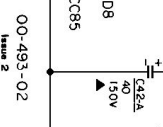
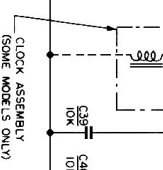
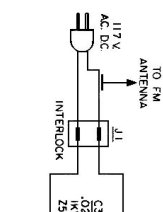
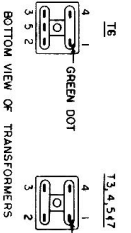
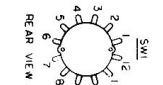
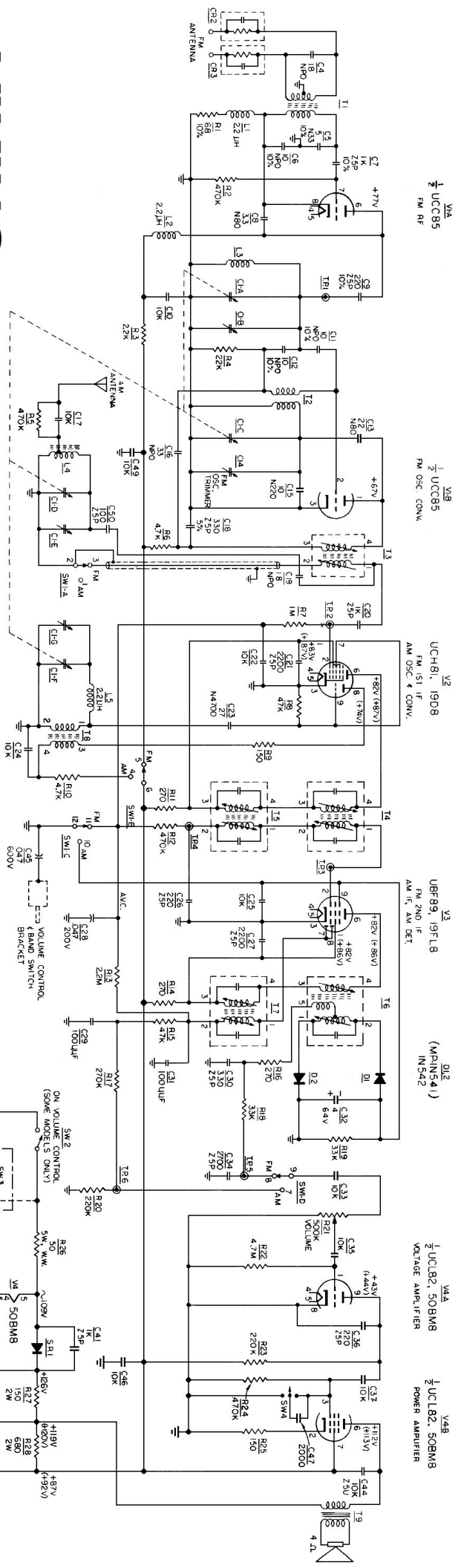


VIKING

RM-724



OO-493-02
Issue 2



V1A
1/2 UCC85
FM RF

V1B
1/2 UCC85
FM OSC. CONV.

V2
UCH81, 19D8
FM 1ST IF
AM OSC. & CONV.

V3
UBF89, 19FL8
FM 2ND IF
AM IF, SW. DET.

D1,2
(M51N541)
IN542

V4A
1/2 UC182, 50BM8
VOLTAGE AMPLIFIER

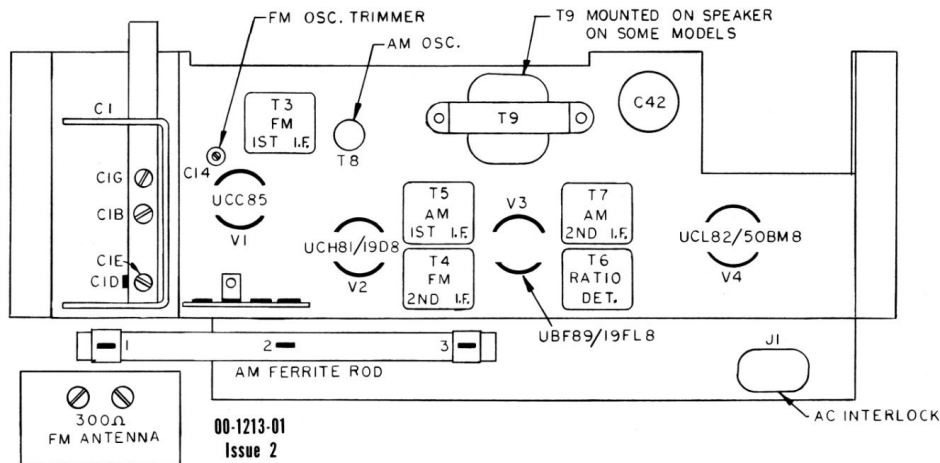
V4B
1/2 UC182, 50BM8
POWER AMPLIFIER

AM-FM TUNER ALIGNMENT INSTRUCTIONS

STEP	SERIES DUMMY ANTENNA	SIGNAL APPLIED TO	FREQ.	MODULATION	BAND SWITCH SETTING	DIAL POINTER SETTING	INDICATING METER	ADJUST	REMARKS	NOMINAL SENSITIVITY
1	.05 uf	Point "TP3"	455 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "TP6"	T7 2nd AM-IF	Adjust for maximum output	5800 uv. for 100 Mv. output
2	.05 uf	Point "TP2"	455 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "TP6"	T5 1st AM-IF	Adjust for maximum output	82 uv. for 100 Mv. output
3	390 ohm	AM Ant. Term.	600 Kc/s	400 C.P.S. AM at 30%	AM	600 Kc/s	AC-VTVM To Point "TP6"	T8 SLUG AM-Osc.	Adjust for Max. output.	64 uv. for 100 Mv. output
4	390 ohm	AM Ant. Term.	1400 Kc/s	400 C.P.S. AM at 30%	AM	1400 Kc/s	AC-VTVM To Point "TP6"	C1G and C1E Trimmers	Adjust for Max. output.	36 uv. for 100 Mv. output
5	Repeat steps 3 and 4, check band coverage at 535 Kc/s - 1650 Kc/s and for tracking at 950 Kc/s.									
6	-	Point "TP2"	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "TP4"	T4 2nd. FM-IF	Adjust for maximum meter deflection	-
7	-	Point "TP1"	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "TP4"	T3 1st. FM-IF	Adjust for maximum meter deflection	-
8	-	Point "TP2"	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "TP5"	T6 Primary Bottom Wdg.	Adjust for maximum meter deflection	-
9	-	Point "TP2"	10.7 Mc/s	-	FM	Point of no Interference	DC-VTVM To Point "TP5"	T6 Secondary Top Wdg.	Adjust for zero voltage	-
10	Note 1	FM-Ant. Term.	90 Mc/s	22.5 Kc/s Dev. 400 C.P.S.	FM	90 Mc/s	AC-VTVM To Point "TP5"	L3 and T2 FM-RF and Osc. Coils	Adjust turn spacing for maximum output	70 uv. for 100 Mv.
11	Note 1	FM-Ant. Term.	106 Mc/s	22.5 Kc/s Dev. 400 C.P.S.	FM	106 Mc/s	AC-VTVM To Point "TP5"	C14 and C1B trimmers	Adjust for maximum output	110 uv. for 100 Mv.
12	Repeat steps 10 and 11 and check for 20 db. quieting sensitivity.									10 to 16 uv.

NOTES:

1. For FM Dummy antenna connect one 150 ohm carbon resistor from grounded side of sig. gen. to ant. term. and one 120 ohm carbon resistor from hot side of sig. gen. to ant. term.
2. With ground lead of DC-VTVM connected to junction of two 100K ohm resistors, which are to be connected across C32 4 uf capacitor.
3. The chassis is directly connected to the AC line, and isolation transformer must be used for alignment and testing.



VIKING RM-724 ALIGNMENT

00-1213-01
Issue 2