



MODIFICATION TO THE B89A

To make oscillation more reliable on the medium waveband, with reduced H.T. voltage, decoupling has been introduced in the primary circuit of the first I.F. transformer.

This consists of a 10,000 ohms resistance between HT+ and L13, with a .01 μF condenser connected from the junction of L13 and the resistance, to V1 filament negative.

This modification can be incorporated in sets wired according to the circuit diagram, in the following way:—

- (1) Connect a 10,000 ohms resistance from HT+ (second tag on resistance rack) to the blank socket on V1 valve holder;
- (2) Transfer the pink lead from the 1st I.F. transformer from HT+ to this socket;
- (3) Connect a .01 mfd condenser between this socket and the negative filament socket of V1 valve holder. (The filament socket close to the small resistance panel.)

B89A TABLE OF COMPONENTS B89A

Code	Value	Code	Value	Code	Value	Code	Value
C1	500 pf.	C28	8	R14	68,000	T1 Prim.	700
C2	20 pf.	C29	100 pf.	R18	.27 MΩ	Sec.	*
C3a	Var.	C32	100 pf.	R19	3.9 MΩ	T2 Pri	180
C3b	Var.	C33	.002	R22	920	Sec.	710
C4	Trimmer	C34	.05	R23	100,000	L.S.	+910
C5	.025	C38	.02	L1	*		4
C7	500 pf.	R1	.47 MΩ	L2	2	* Less than 1 ohm.	
C8	200 pf.	R2	330	L3	*	VALVES	
C10	500 pf.	R3	22,000	L4	*		
C12	Trimmer	R4	47,000	L6	3	V1 TP26 V2 VP23 V3 HL23DD V4 P215 V5 P215	
C13	.05	R5	27	L7	*		
C14	Trimmer	R6	4,700	L8	1.5		
C17	700 pf.	R7	39,000	L9	*		
C19	92 pf.	R8	47,000	L12	*		
C22	92 pf.	R9	1 MΩ	L13	8		
C23	.05	R10	20,000	L14	8		
C24	92 pf.	R12	2.2 MΩ	L17	8		
C27	92 pf.	R13	2 MΩ	L18	8		

B89B TABLE OF COMPONENTS B89B

Code	Value	Code	Value	Code	Value	Code	Value
C1	500 pf.	C24	92 pf.	R17	.27 MΩ	L13	8
C2	80 pf.	C27	92 pf.	R18	2.2 MΩ	L14	8
C3a	Var.	C28	8	R19	.47 MΩ	L17	8
C3b	Var.	C29	100 pf.	R20	.47 MΩ	L18	8
C4	Trimmer	C32	100 pf.	R21	2.2 MΩ	T1 Prim.	700
C6	.025	C33	.002	R22	330	Sec.	*
C8	500 pf.	C34	.003	R23	100,000	L.S.	4
C9	200 pf.	C38	.003	L1	*	VALVES	
C12	Trimmer	R1	.47 MΩ	L2	2		
C13	.05	R2	47,000	L3	13	V1 TP26 V2 VP23 V3 HL23DD V4 PEN25	
C14	Trimmer	R3	330	L4	1		
C15	.05	R4	30,000	L5	*		
C17	662 pf.	R7	40,000	L6	3		
C18	414 pf.	R8	47,000	L7	*		
C19	92 pf.	R9	1 MΩ	L8	1.5		
C22	92 pf.	R12	3.3 MΩ	L9	1.5		
C23	.05	R13	2 MΩ	L10	*		
		R14	68,000	L12	2		