REMOTELY-CONTROLLED FADER AT3/501

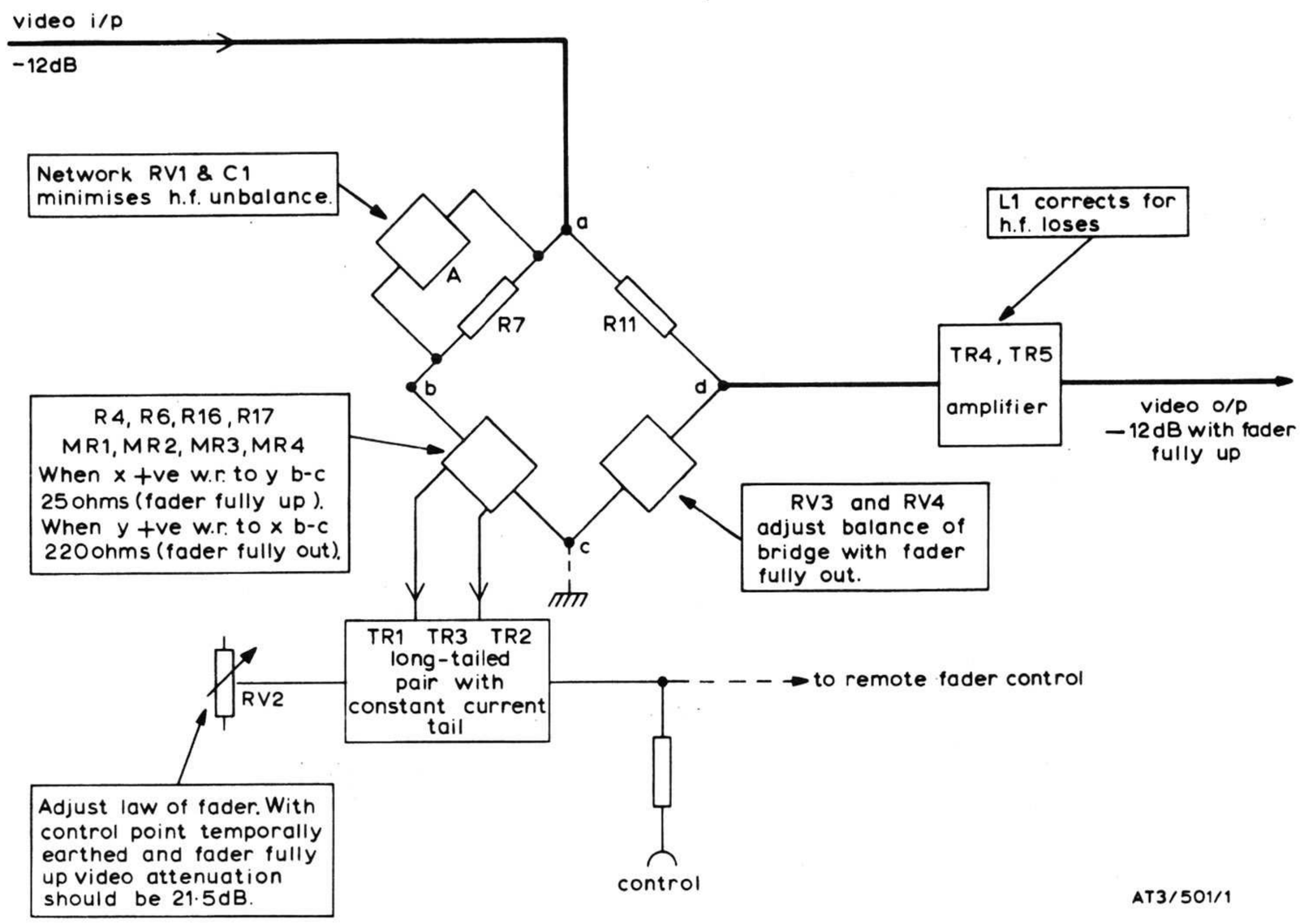


Fig.1 AT3/501: Block Diagram

General

The AT3/501 remotely-controlled fader accepts a composite video signal and has unity gain at the 'up' setting of the fader control.

The fader is built on a CH1/12A chassis with index pegs 3 and 8. It was designed for use in the cut-fade amplifier AM1/504.

The block diagram of Fig. 1 indicates the operation of the circuit. Fig. 2 gives the complete circuit diagram.

Maintenance

Routine maintenance is not required and the balance adjustment of the bridge should not be disturbed. If the balance has to be checked the full pocedure, as laid down in the Designs Department Specification of the parent unit, must be carried out. For other checks see the Technical Instruction for the parent unit.

Reference

1. Designs Department Specification No.8.68(62)

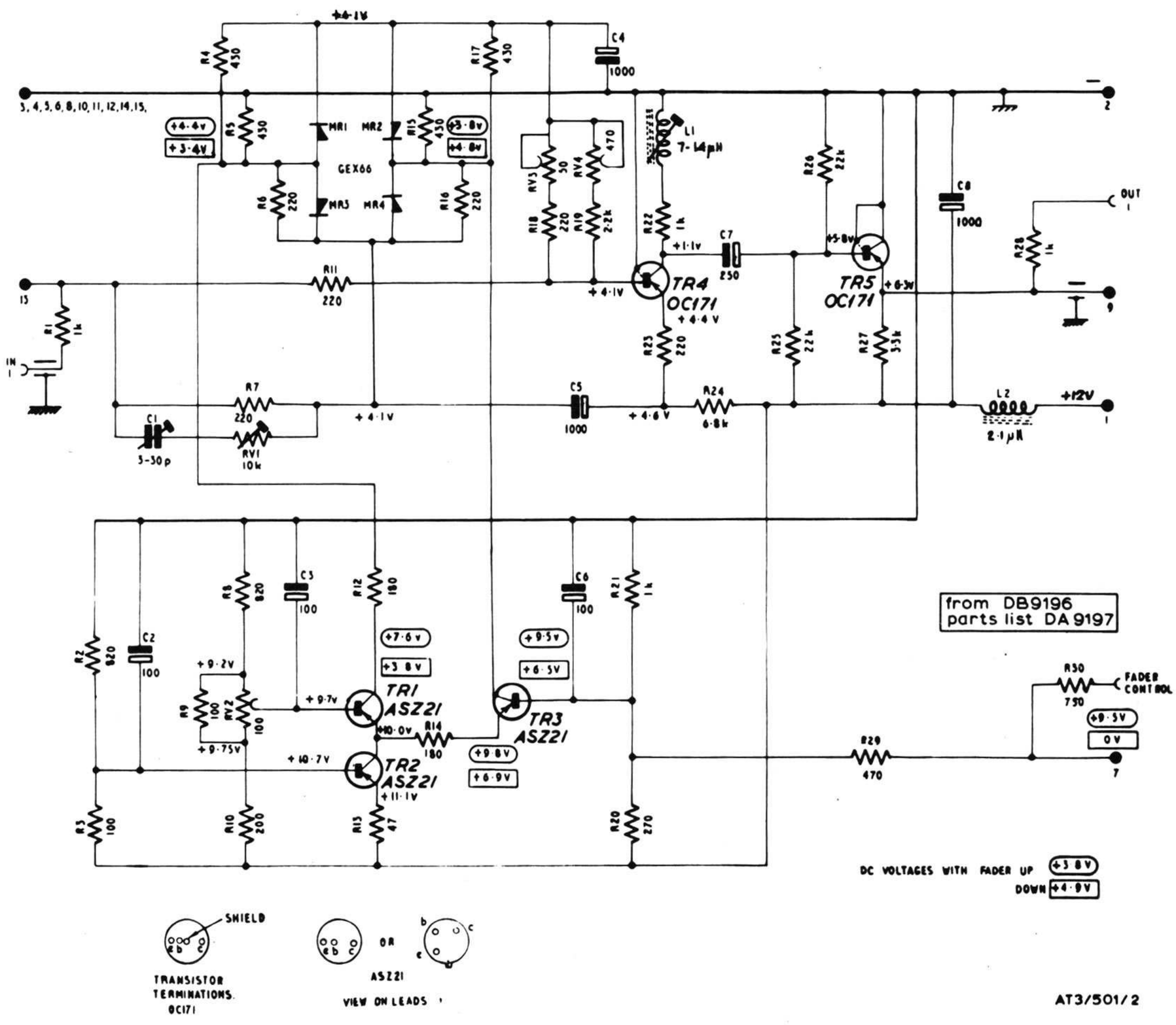


Fig.2 AT3/501: Circuit Diagram

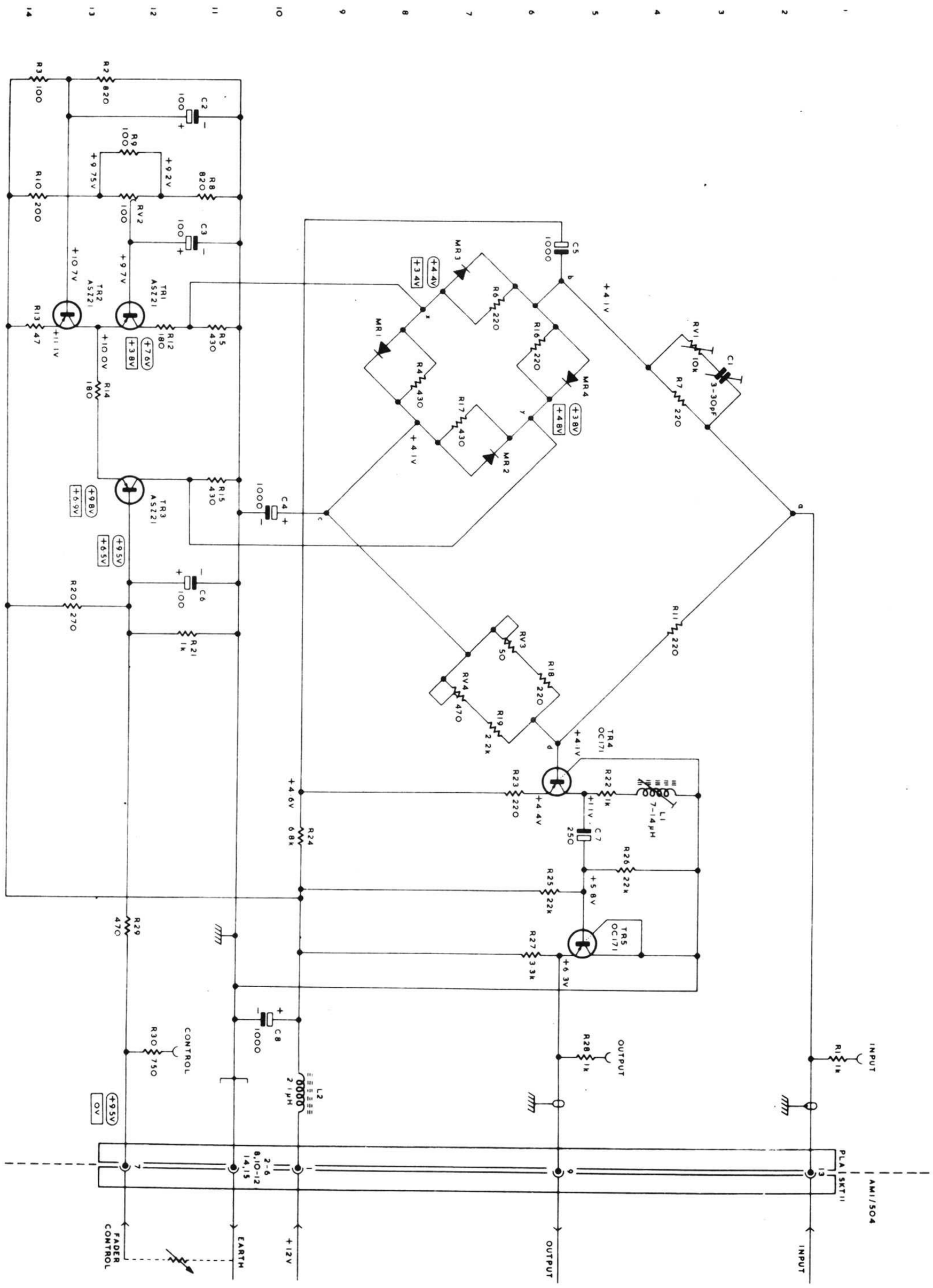
COMPONENT TABLE: FIG. 19

Comp.	Loc.	Type	Tolerance per cent
C1	F3	Mullard E7890	
C2	B11	Plessey CE1222/1 12V	
C3	D11	Plessey CE1222/1 12V	
C4	H10	Swindon SC555/8LS 6V	
C5	D5	Swindon SC555/8LS 6V	
C6	J11	Plessey CE1222/1 12V	
C7	N5	Swindon SC640/6LS 6V	
C8	Q10	Swindon SC603/6LS 12V	
L1	N4	DC9199 Det. 7	
L2	R10	DC9199 Det. 6	
MR1	E9	G.E.C. GEX66	
MR2	G7	G.E.C. GEX66	
MR3	D7	G.E.C. GEX66	
R4M	F5	G.E.C. GEX66	
R1	Q1	Erie 9 0·25W	10
R2	A13	Erie 109 0·25W	2
R3	A14	Erie 109 0·25W	2
R4	F8	Erie 109 0·25W	2
R5	E11	Erie 109 0·25W	2
R6	D7	Erie 109 0·25W	2
R7	F7	Erie 109 0·25W	2
R8	C11	Erie 109 0·25W	2
R9	B12	Erie 109 0·25W	2
R10	C14	Erie 109 0·25W	2
R11	K4	Erie 109 0·25W	2
R12	E12	Erie 109 0·25W	2
R13	E14	Erie 109 0·25W	2
R14	F13	Erie 109 0·25W	2
R15	H11	Erie 109 0·25W	2
R16	E6	Erie 109 0·25W	2
R17	F7	Erie 109 0·25W	2
R18	K6	Erie 109 0·25W	2
R19	L7	Erie 109 0·25W	2
R20	J13	Erie 109 0·25W	2
R21	K11	Erie 109 0·25W	2
R22	M5	Erie 109 0·25W	2
R23	M6	Erie 109 0·25W	2
R24	N9	Erie 109 0·25W	2
R25	O6	Erie 109 0·25W	2
R26	N5	Erie 109 0·25W	2
R27	P6	Erie 109 0·25W	2
R28	Q5	Erie 9 0·25W	10
R29	P12	Erie 109 0·25W	2
R30	Q12	Erie 109 0·25W	2
RV1	E3	Plessey CP161687/103/A	
RV2	C12	Plessey CP161687/101/A	
RV3	K6	Plessey CP161687/500/A	
RV4	K7	Plessey CP161687/471/A	

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V7
SECTION 1

FIG. 19



NOTE
CIRCUMSCRIBED FIGURES OF VOLTAGE REFER TO THE 'UP' CONDITION OF THE FADER. BOXED FIGURES REFER TO THE 'OUT' CONDITION

REMOTELY-CONTROLLED FADER AT3/501 : CIRCUIT