

## UNIT MATRIX MA2/503

### Description

The MA2/503 is a single printed-wiring card which carries the electronics of a 6-input to 1-output video source selection system. The unit Matrix card is designed for use as a building block in larger video switching matrices<sup>1</sup>.

Fig.1 gives a functional circuit and text diagram

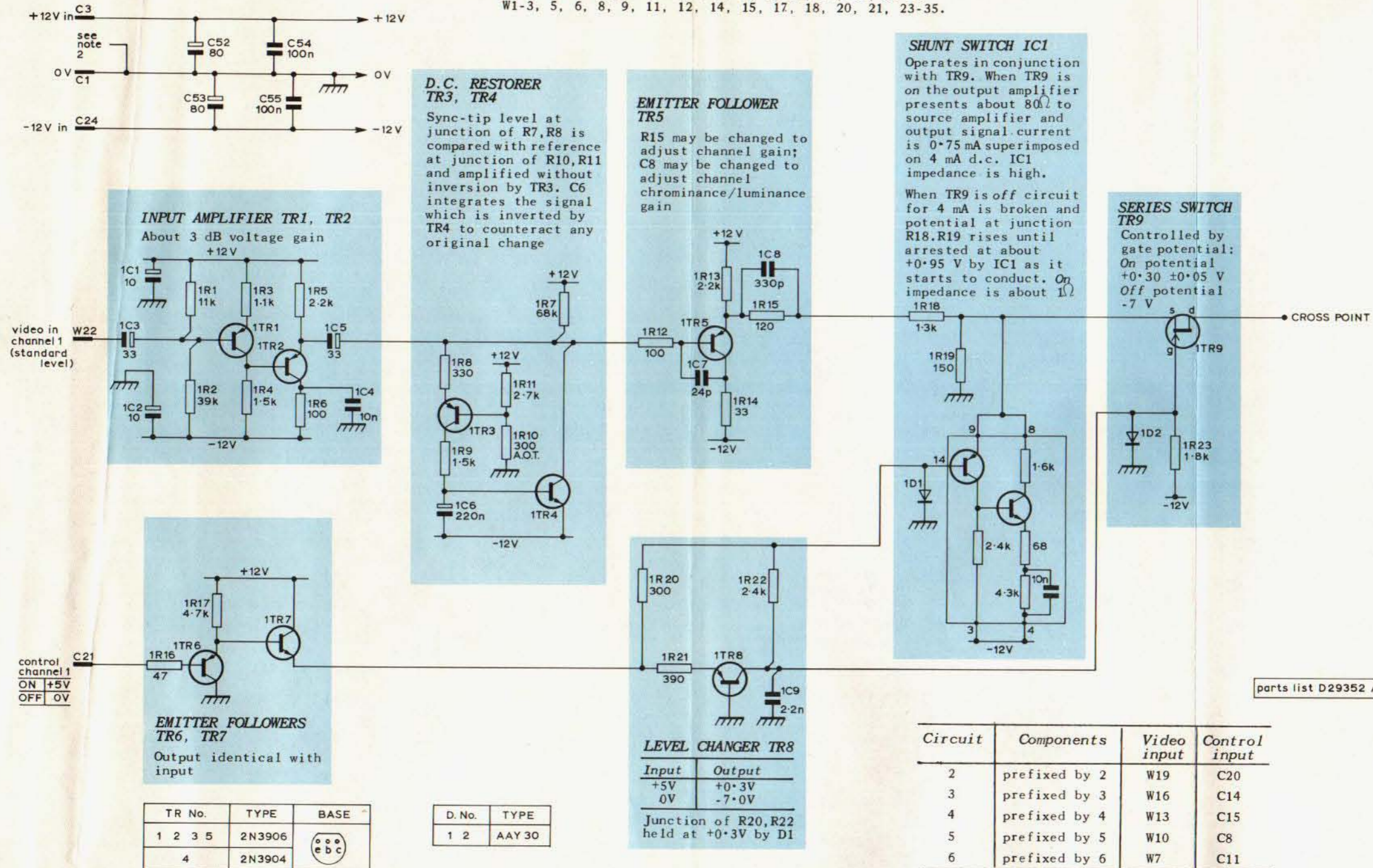
of the six source amplifiers in the MA2/503; Fig. 2 gives a similar diagram of the output amplifier. Full performance and maintenance details of the MA2/503 are given in the parent Instruction.

### References to Typical Associated Equipment

1. Video Switching Matrix MA2L/504.

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- Notes: 1. Edge contact numbers prefixed by C are on the component side of the board; those prefixed by W are on the wiring side of the board.  
 2. Other earthed pins: C2, 4, 6, 7, 9, 10, 12, 13, 16-19  
 W1-3, 5, 6, 8, 9, 11, 12, 14, 15, 17, 18, 20, 21, 23-35.



TR No.	TYPE	BASE
1 2 3 5	2N3906	
4	2N3904	
6	2N3702	
7	BC107	
9	H8025	

D. No.	TYPE
1 2	AAV 30

Circuit	Components	Video input	Control input
2	prefixed by 2	W19	C20
3	prefixed by 3	W16	C14
4	prefixed by 4	W13	C15
5	prefixed by 5	W10	C8
6	prefixed by 6	W7	C11

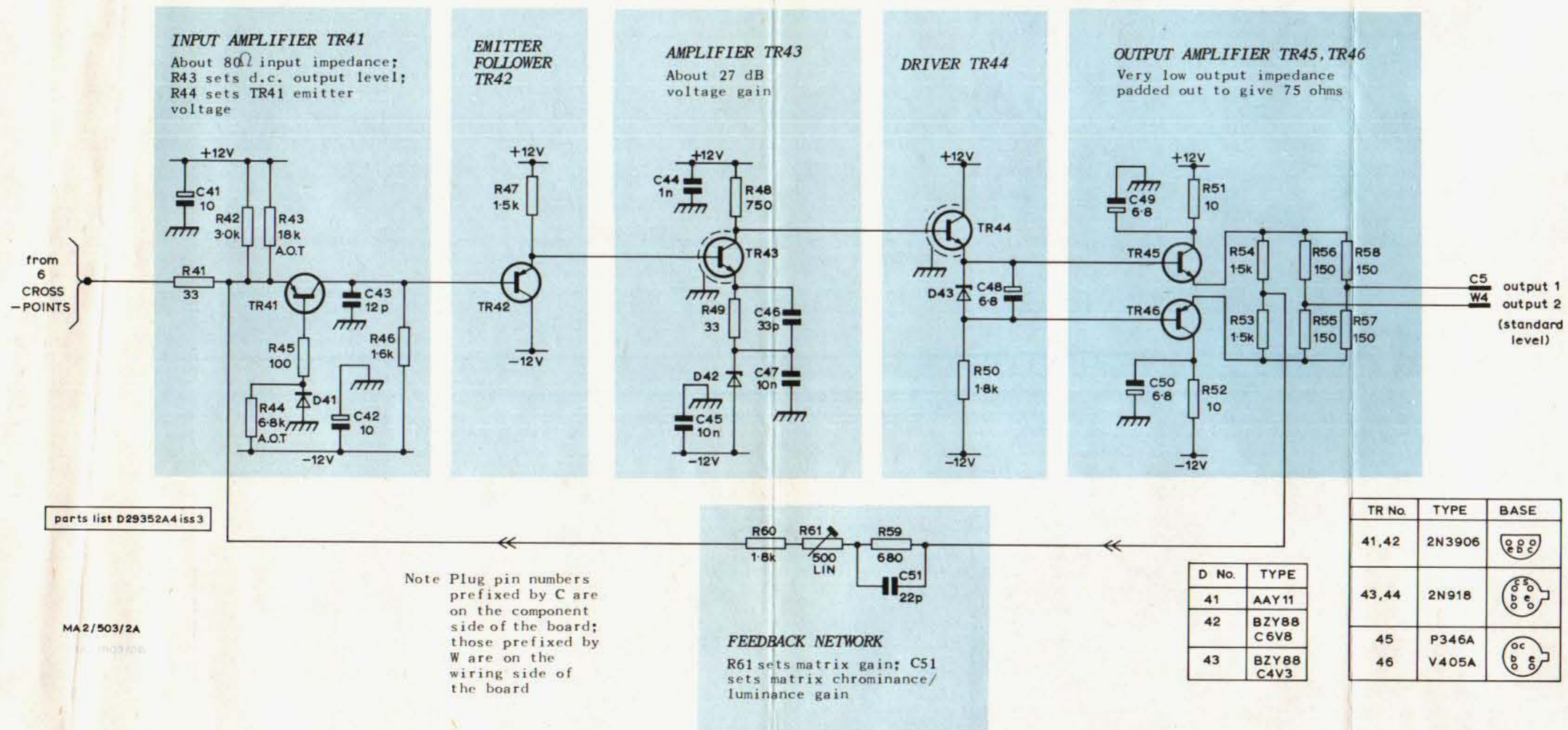


Fig. 2. MA2/503: Output Amplifier