

CAPTION SYNTHESISER SWITCH UNIT UN9/543

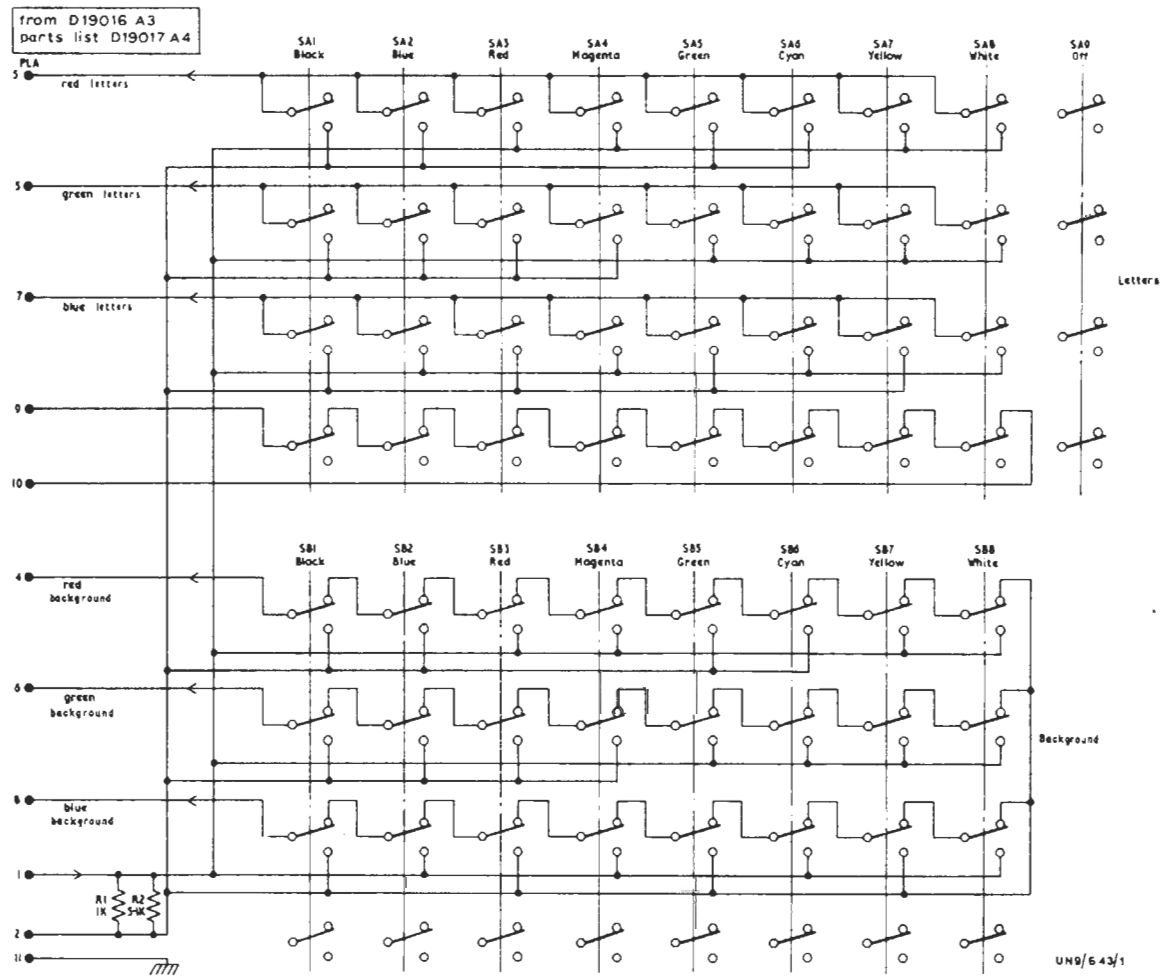


Fig. 1 Circuit of Caption Synthesiser Switch Unit UN9/543

The UN9/543 requires a d.c. input from a colour caption synthesiser (see EP1/506) and provides d.c. outputs which are used to control the operation of the synthesiser.

The unit is intended for desk mounting. Controls are provided by two 9-way push-button switches; input and output connections are taken from an 11-way plug mounted on the underside of the unit. The circuit diagram is shown in Fig. 1.

The standard unit provides only saturated primary and complementary colours. In some installations this range of colours is too limited and the unit is modified by replacing two resistors (R1 and

R2) with potential dividers. Detailed circuits of these modified units will be found in the areas in which they are installed.

To select the required colours for the letters and background of a caption, the associated buttons on switches SA and SB must be pressed. For example; to get magenta letters on a yellow background buttons SA4 and SB7 are pressed. Button SA4 routes a control signal to the synthesiser via the Blue and Red letter lines (blue + red = magenta). Button SB7 routes a control signal to the synthesiser via the Green and Red background lines (green + red = yellow).

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