

SERVICE

Electron optics / Nuclear and electrochemical
equipment / X-Ray analysis / Cryogenic
equipment / Test and measuring equipment /
Process instrumentation /
Industrial Data Processing Systems /
Weighing / Welding / Numerical Control /
Textile equipment

industrial equipment division



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PTV

Cd 727

TEST AND MEASURING INSTRUMENTS

This is a supplement to the Operating and Service manual for the Colour/monochrome pattern generator PM 5544 (orderingnumber 9499 490 06211).

It deals with differences of the /03 version with respect to the /01/02 version.

The following points should be added to the manual:

a. UNIT 18 CURRENT GATE (see fig. 1 and fig. 2)

This unit is added to the PM 5544 in order to decrease the power consumption of the text generator.

The unit controls the current to a part of the text generator and supplies only current during the text areas (upper and lower bar V5-7 and V23-25). Orderingnumber unit 18 5322 212 84011.

b. WIRING DIAGRAM (see fig. 3)

Due to the above mentioned modification the wiring diagram is changed. The wiring diagram in the manual (page 56) should be replaced by the wiring diagram of this supplement (fig. 3).

c. TEXT GENERATOR PM 5543 (see page 52 of the manual)

This generator can easily be inserted in the PM 5544/03.

The 01/02 versions should be modified according to the wiring diagram in this supplement.

N.B. When mounting the PM 5543 the white needle pulse in the lower black bar should be removed.

This can be done by removing a connection on the printed wiring board unit 7 (see fig. 4).

d. HORIZONTAL OSCILLATOR UNIT 6

What is stated as M-version in the manual (see page 114-116) is used for G- as well as for M-version in the PM 5544/03.

However, due to a minor modification the printed wiring board and circuit diagram of unit 6 -/03 version are also published here (see fig. 5 and fig. 6).

Orderingnumber unit 6/03 version is the same as orderingnumber for the /02 version, stated in the manual.

Circle matrix, unit 8

To remove spurious signals from the staircase signal capacitor C15, 82 μ F, 6 V, is added to this unit.

The capacitor is mounted between terminal 14 of IC7 and terminal 7 of IC9.

Modifying the staircase to 10 steps

- Make connections is stated in circuit diagram unit 8.
- Make connections between contact blocks of unit 7 and unit 8.
viz., terminal 3, unit 8 terminal 53, unit 7
terminal 5, unit 8 terminal 55, unit 7
terminal 9, unit 8 terminal 59, unit 7
terminal 11, unit 8 terminal 61, unit 7

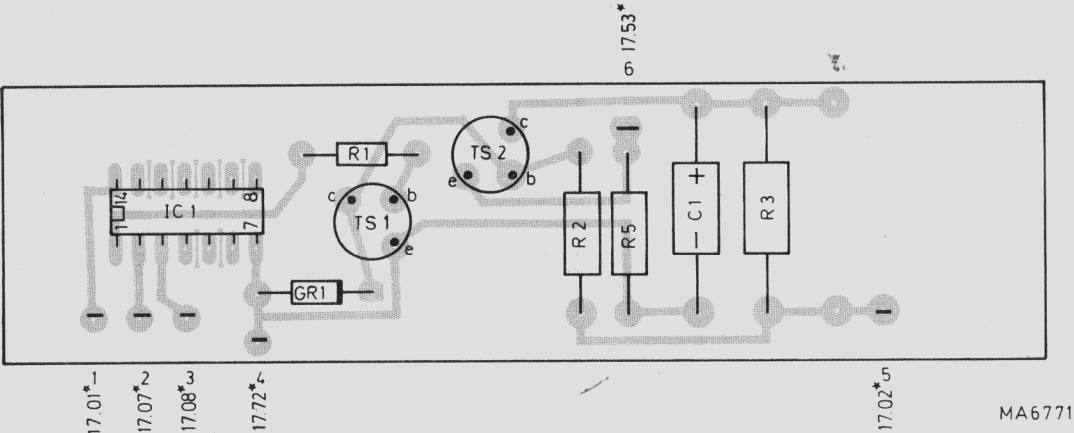


Fig. 1. Printed wiring board, circuit gate

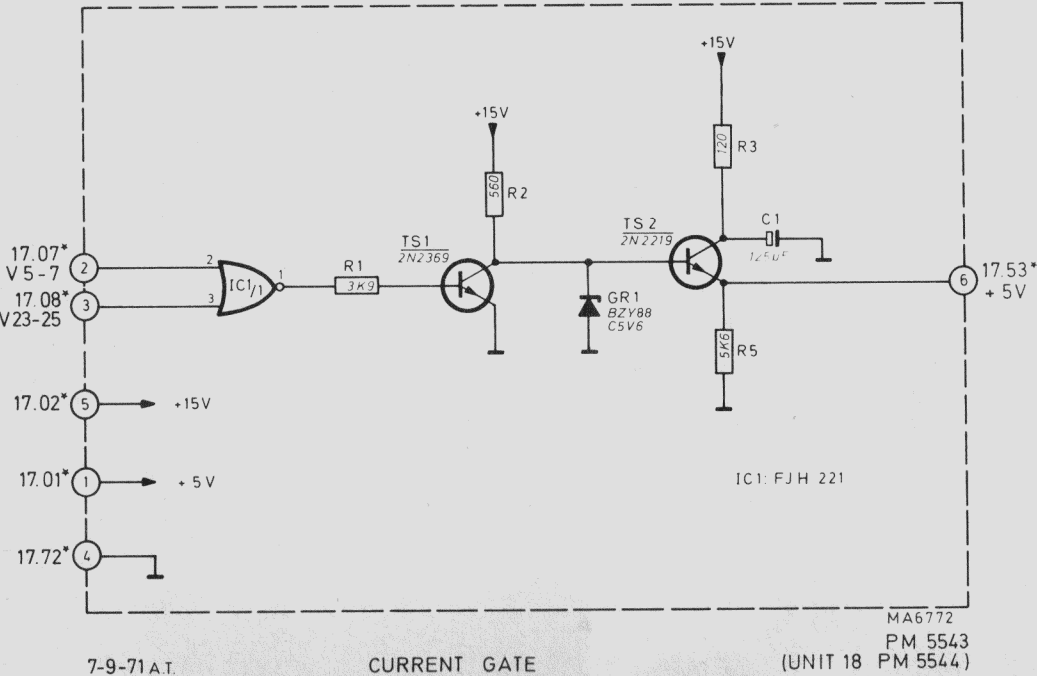
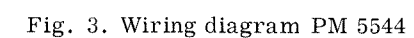


Fig. 2. Circuit diagram current gate



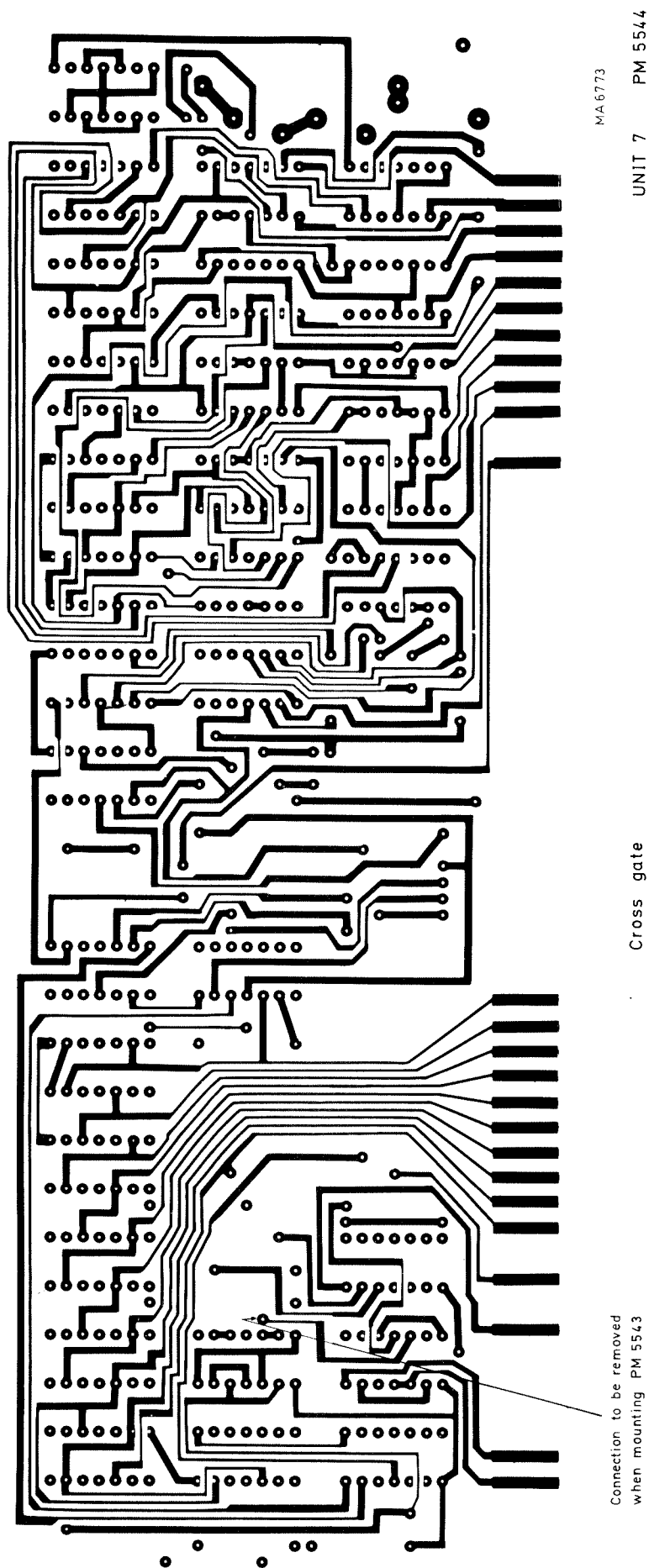


Fig. 4. Removing the white needle pulse

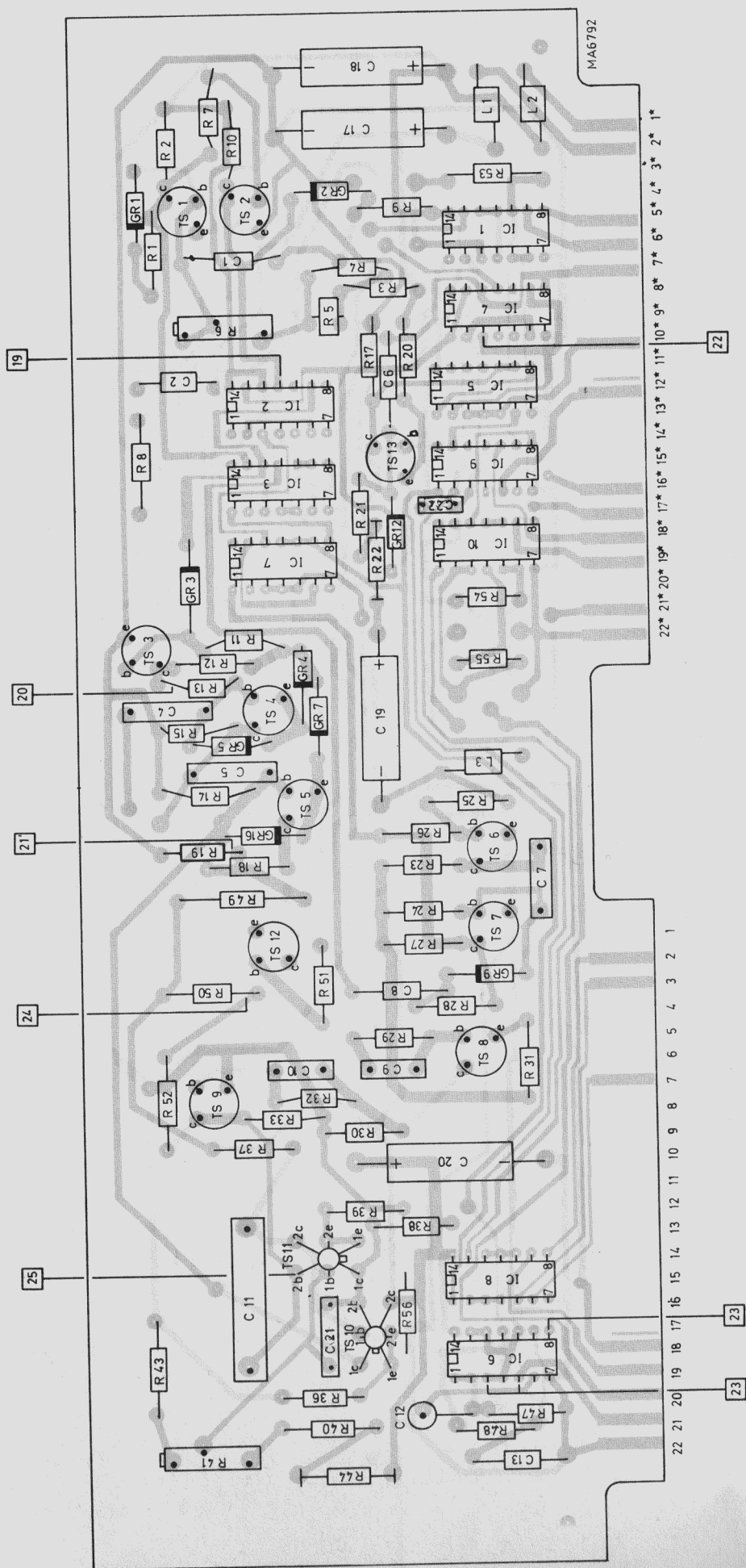


Fig. 5. Printed wiring board, horizontal oscillator

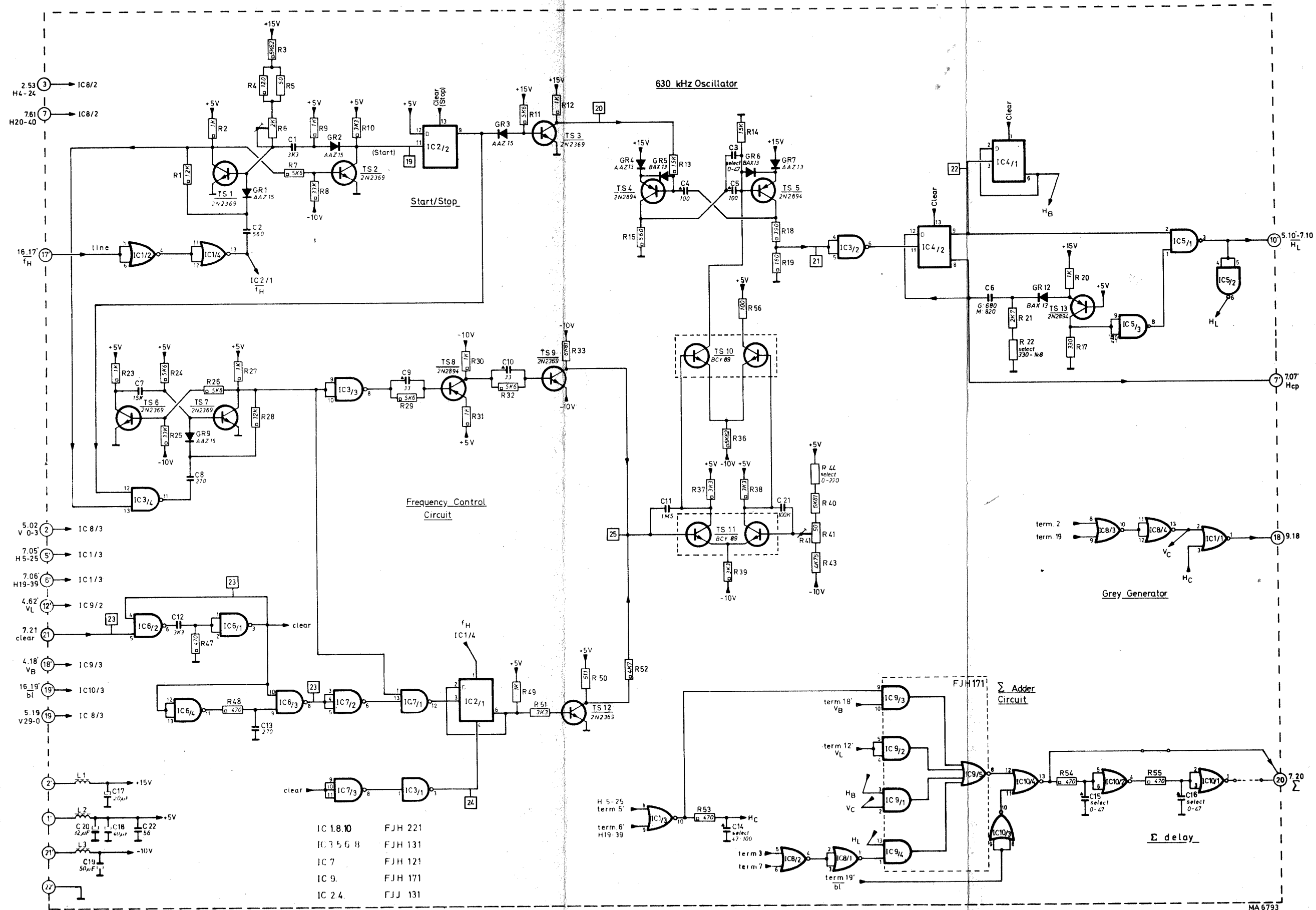


Fig. 6. Circuit diagram, horizontal oscillator