

**AUTOMATIC MONITOR  
FOR  
LINE STORE CONVERTER MN2/514**

Manuals for the equipment are available separately and contain the following additional A.C.O. Instructions:

Insertion Signal Trigger Pulse Generator GE2/581  
Line Store Monitor Detector Unit One UN20/524  
Line Store Monitor Detector Unit Two UN20/525  
Mixed Syncs, Field and Line Trigger Pulse  
Separator UN16/510 and UN16/510A  
Roving Pulse Generator GE2/586  
Stabilised Power Supplier PS2/67B  
Stabilised Power Supplier PS2/82A  
Video Erase Unit UN1/608 and UN1/608A

**AUTOMATIC MONITOR FOR LINE STORE CONVERTER MN2/514**

**INTRODUCTION**

The MN2/514 is an automatic monitor which checks the performance of a 625 to 405 line-store standards converter. Its outputs are in the form of relay contacts which can be used to initiate an alarm or executive action as required.

The monitor is introduced into the 625-line input chain of the converter to be monitored so that test signals can be added to selected lines of the signal before conversion. Two 405-line outputs from the converter are passed to the monitor for measurements of the converter performance to be made. One of these is

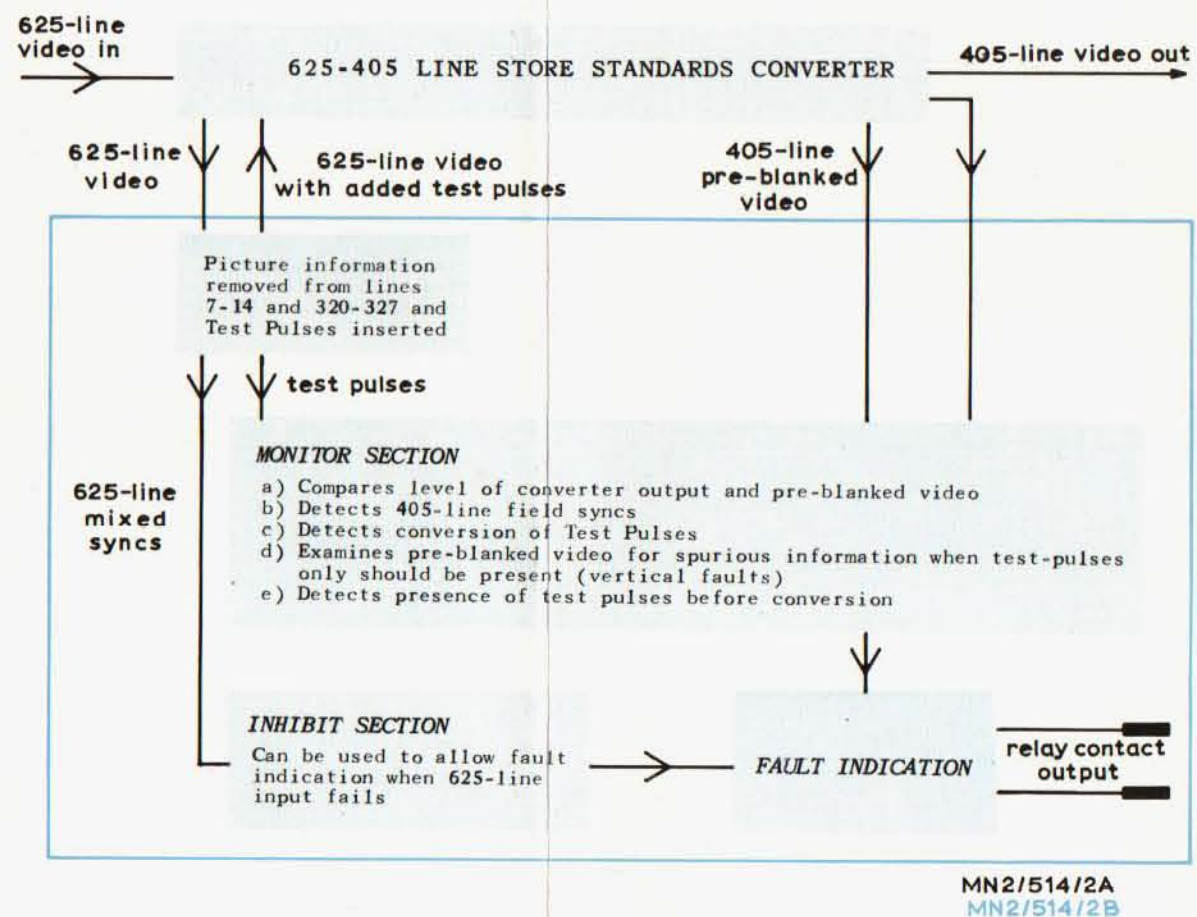
the Converter Output, the other is a non-composite (pre-blanked) signal taken from the converter Output Processing Panel.

Fig. 1 is a simplified block text diagram of the major functions of the monitor and Fig. 2 gives additional detail which includes a reference for the location of each function in the coded sub-units. Interconnections between the coded items and the functions are shown in Fig. 3.

The equipment is contained in a PN3/23 panel as shown in Fig. 4 and is intended for mounting in an existing line-store standards converter bay.

**GENERAL SPECIFICATION**

- Inputs**
- 1-V, 625-line video from converter input distribution amplifier
  - 1-V, 405-line non-composite (pre-blanked video) signal from converter Output Processing Panel
  - 1-V, 405-line video from converter output distribution amplifier
- Outputs**
- 625-line video with test signals added to selected lines
  - Normally closed relay contacts
- Power** 240 V, 50 Hz, 75 VA
- Weight** 10 kg (22 lbs)



The remainder of this instruction comprises the following:

	Page
Block Text Diagram Fig. 2	3
Interconnection Diagram Fig. 3	4
Front and Rear Panel Layouts Fig. 4	5

Fig. 1 Simplified Block Text Diagram MN2/514

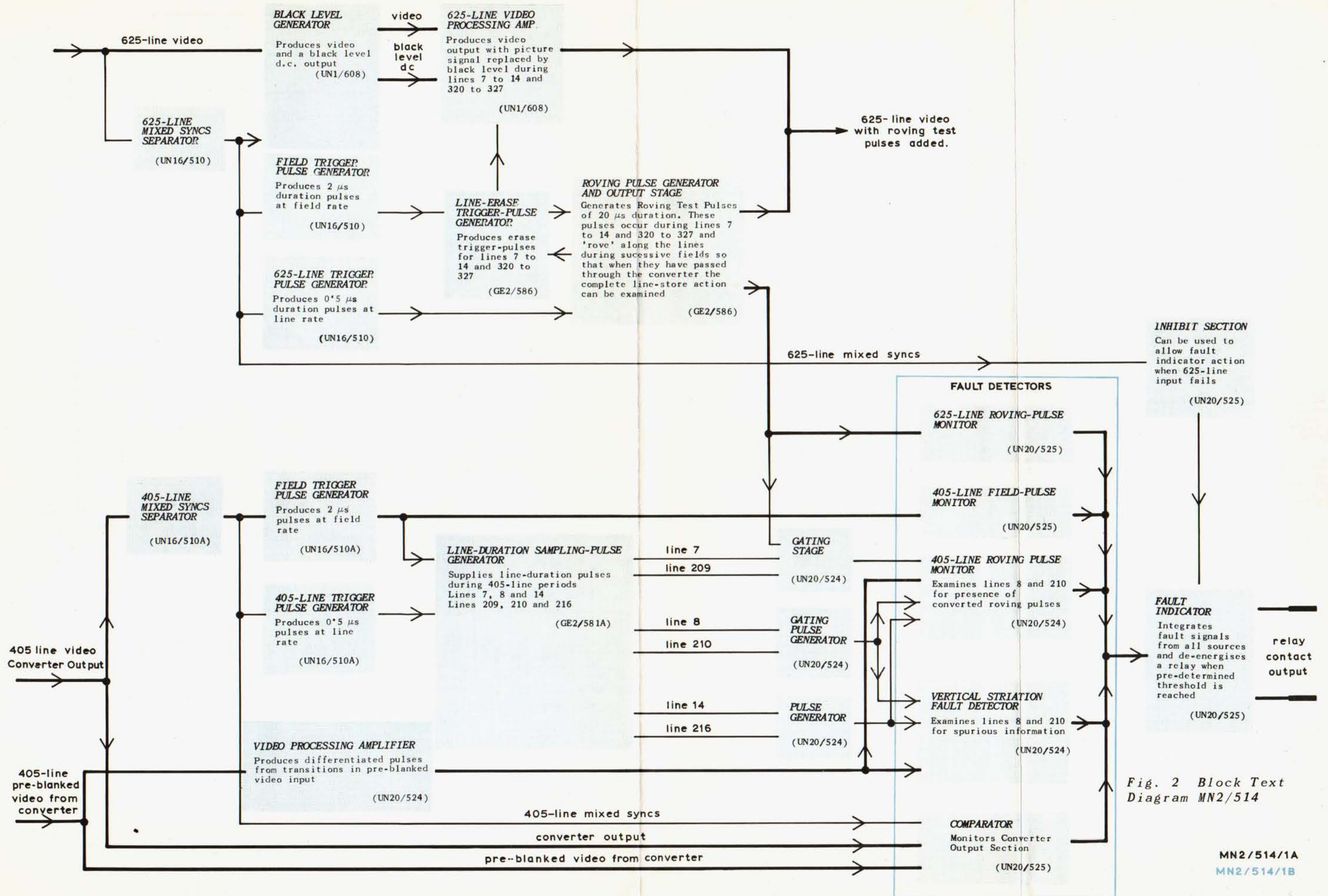


Fig. 2 Block Text Diagram MN2/514

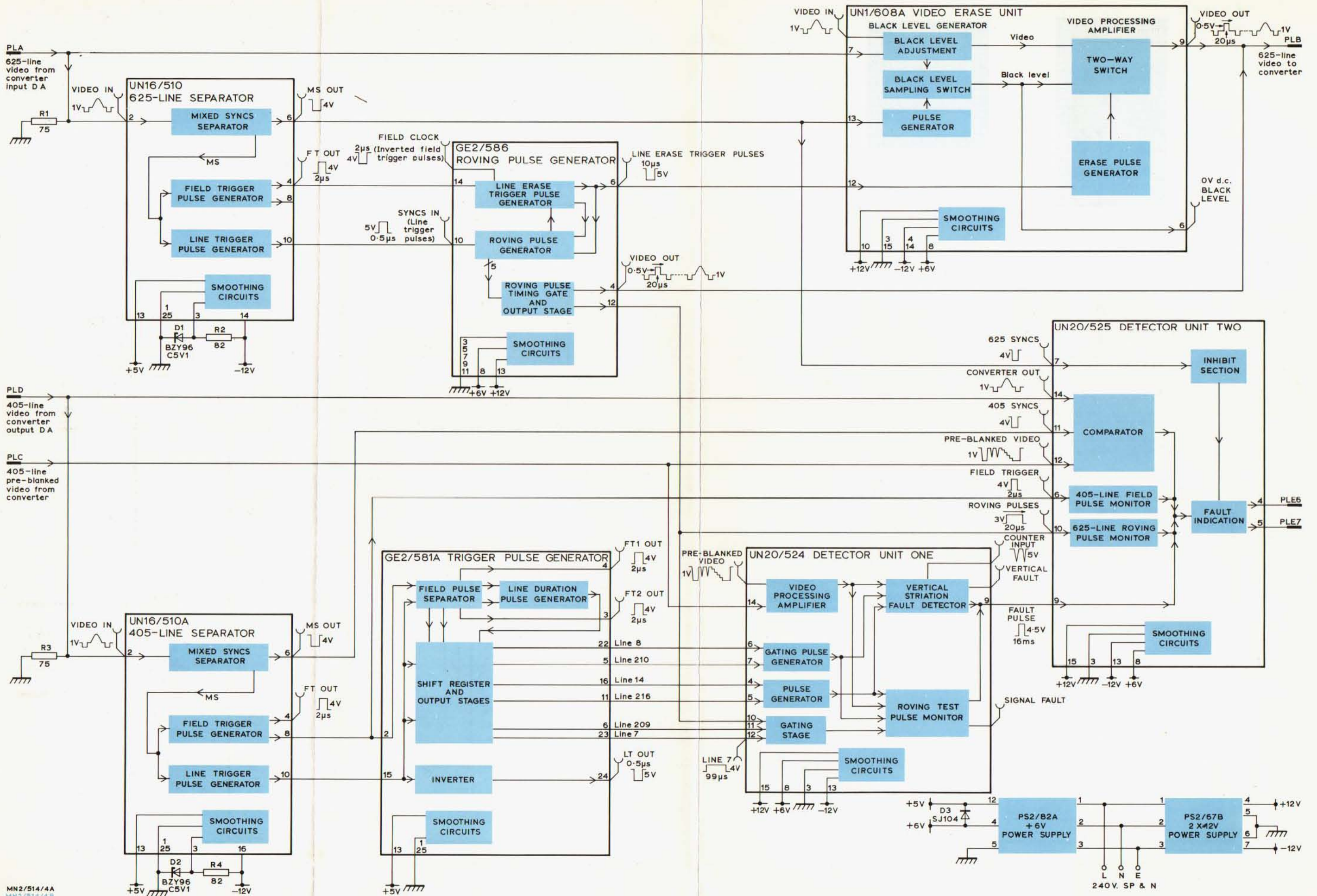


Fig. 3 Interconnection Diagram MN2/514

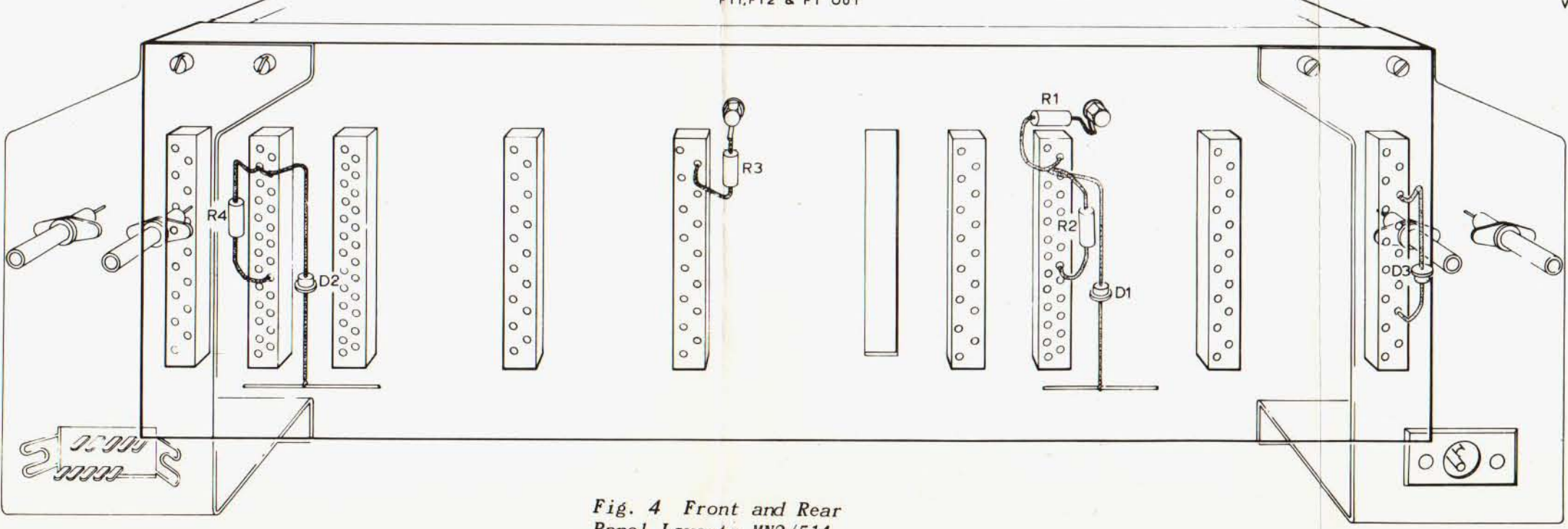
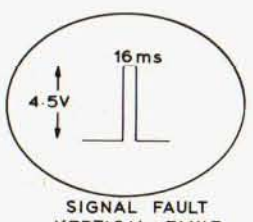
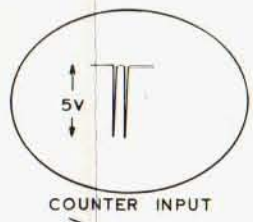
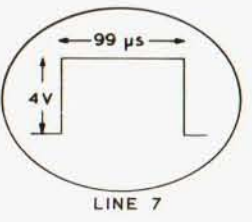
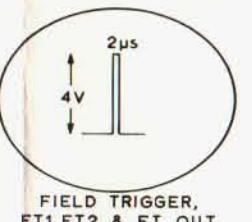
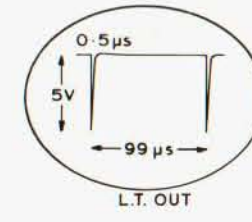
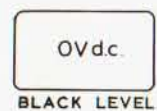
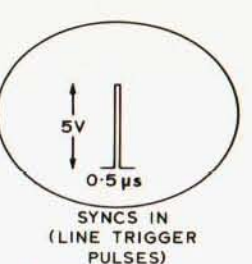
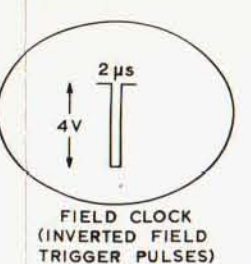
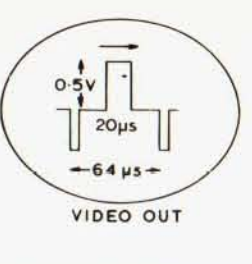
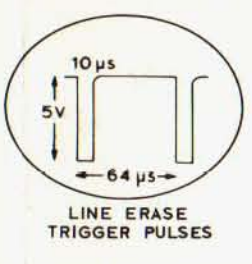
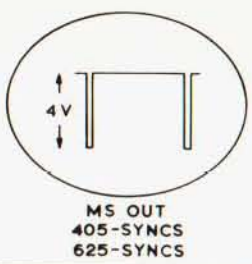
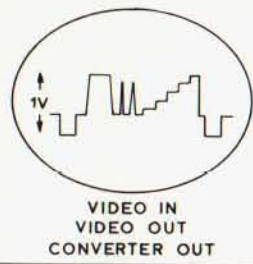
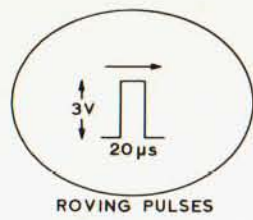
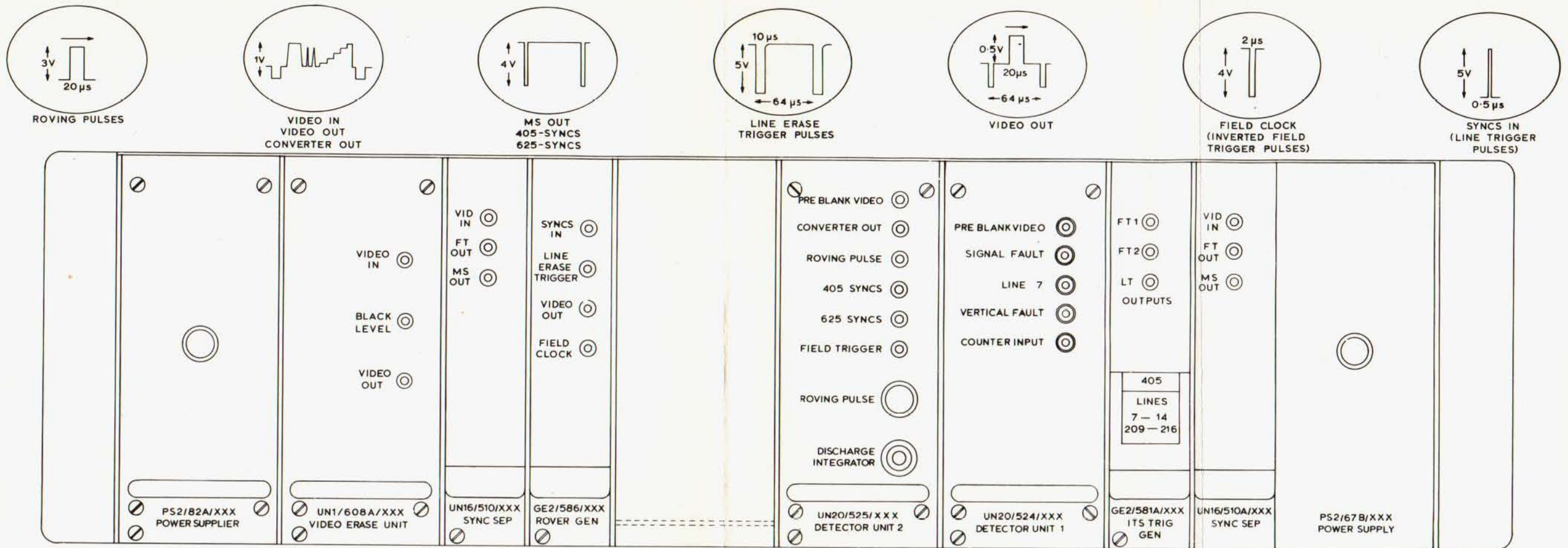


Fig. 4 Front and Rear Panel Layouts MN2/514