

RCSL : 44-RT 1300

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Edited : June, 1976.

Supplement to the Pertec
Formatter Manual

Keywords : RC 3600, Formatter Option, MTO313, PT-3 tape.

Abstract : This paper contains the description of Formatter Option MTO313, designed to enable the Magtape Channel RC 3685 to use the PT-3 standard for magtape.

Description

This option is designed to enable Magtape Channel RC 3685 to read and write magtapes using the PT-3 standard for magtapes.

The option changes the following functions in the formatter:

1. The CRC character is generated in accordance with the PT-3 standard, which means that the direction of the cyclic shifts is changed.
2. Tape marks are written with the following binary pattern:

1	0	0	0	1	1	1	1
MSB							LSB

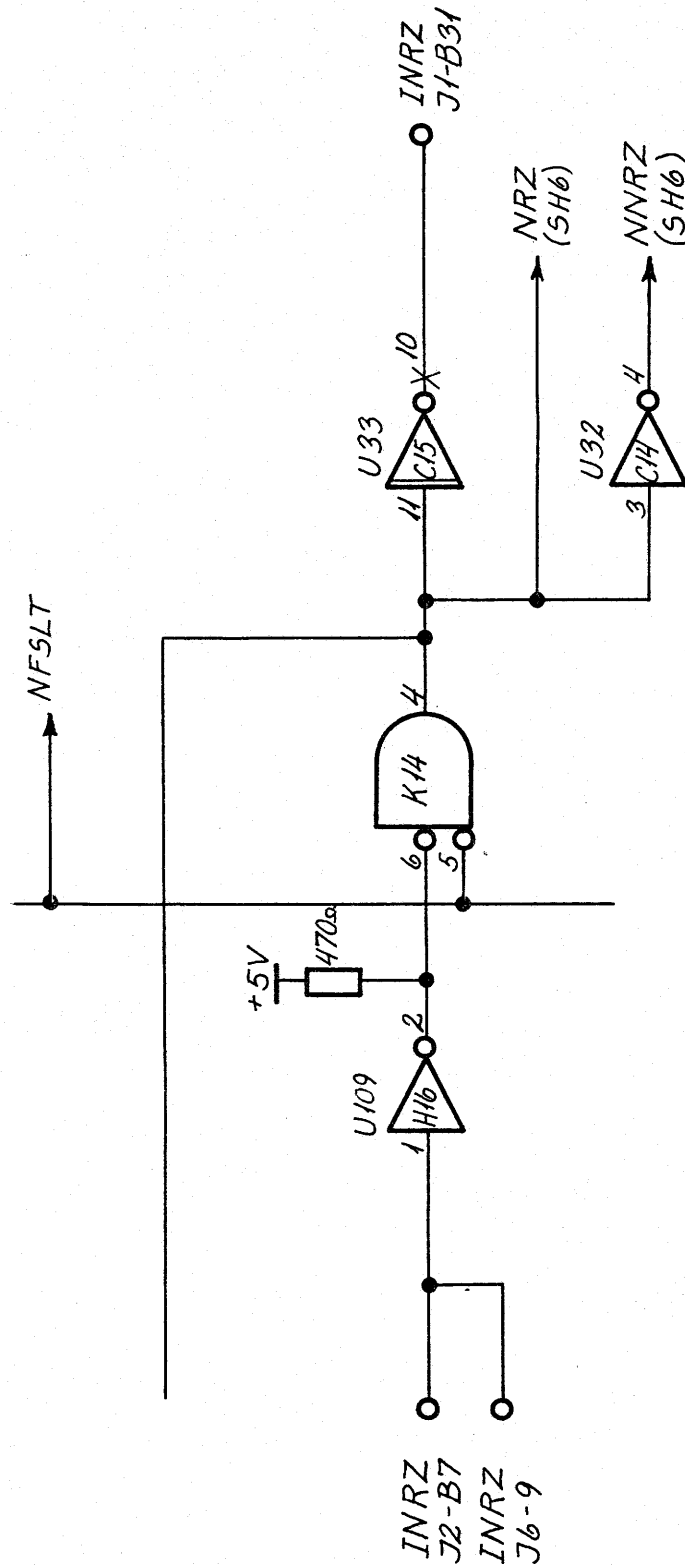
3. Tape marks are read by the formatter if they have odd parity and the following pattern:

1	ϕ	0	0	1	1	ϕ	ϕ
MSB							LSB

ϕ means either '0' or '1'.

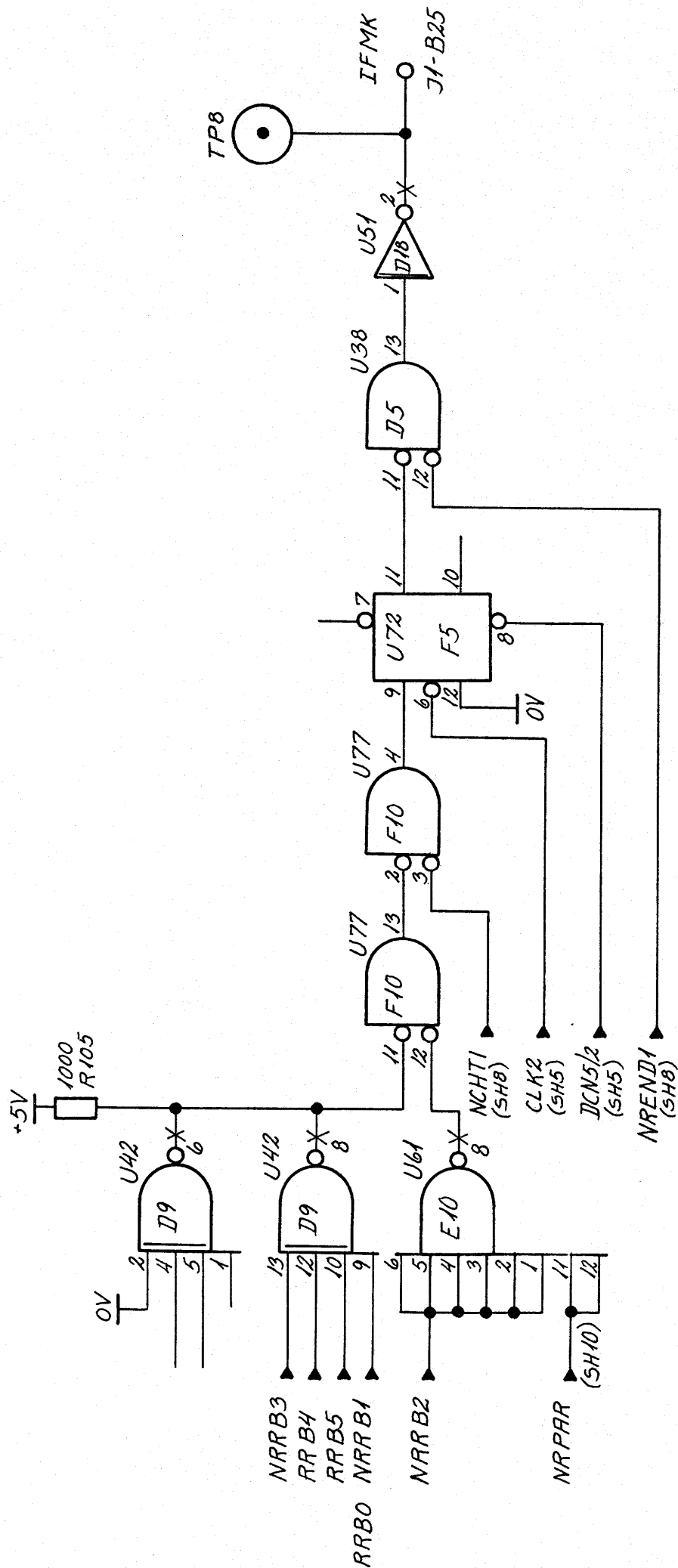
4. To select the PT-3 formatter the input signal (to the formatter from the Magtape Station) INRZ J2-B7 must be at the non-NRZ level. This means that the voltage on J2-B7 must be +3V to select the formatter.
5. All the termination resistors are removed from the PT-3 formatter because it is used together with the ISO formatter which contains the termination resistors.

All the changes are shown on the next four pages, which have reference to the schematic diagrams in the formatter.

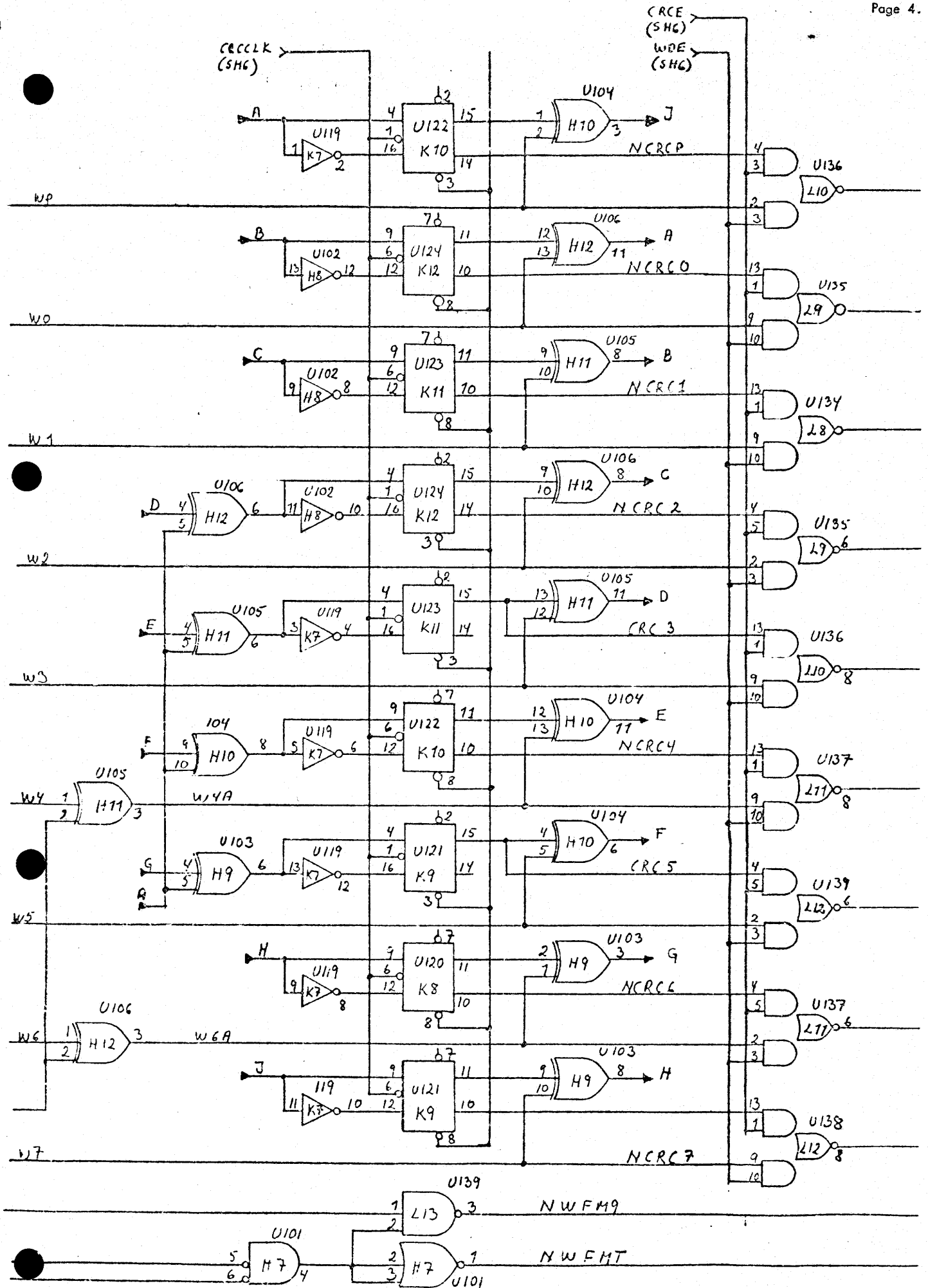


INTERFACE CONTROL SCHEMATIC

Supplement to sheet 4 of 10
for PT3 mag.tape.

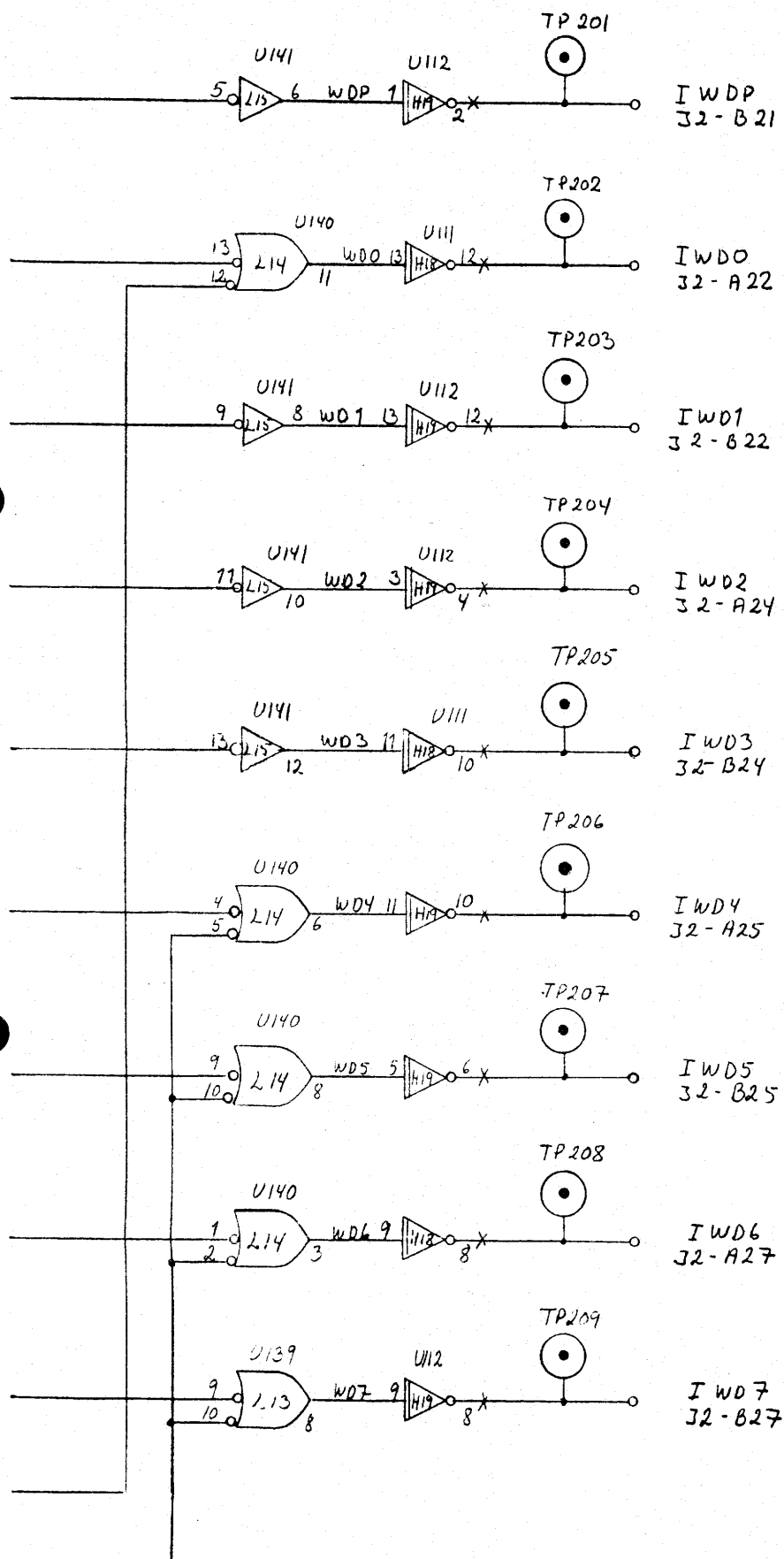


READ DATA SCHEMATIC



WRITE DATA

Supplement to sheet 7 of 10
for P1-3 Mag.tape



WRITE DATA
SCHEMATIC

Supplement to sheet 7 of 10
for PT-3 Mag.tape.