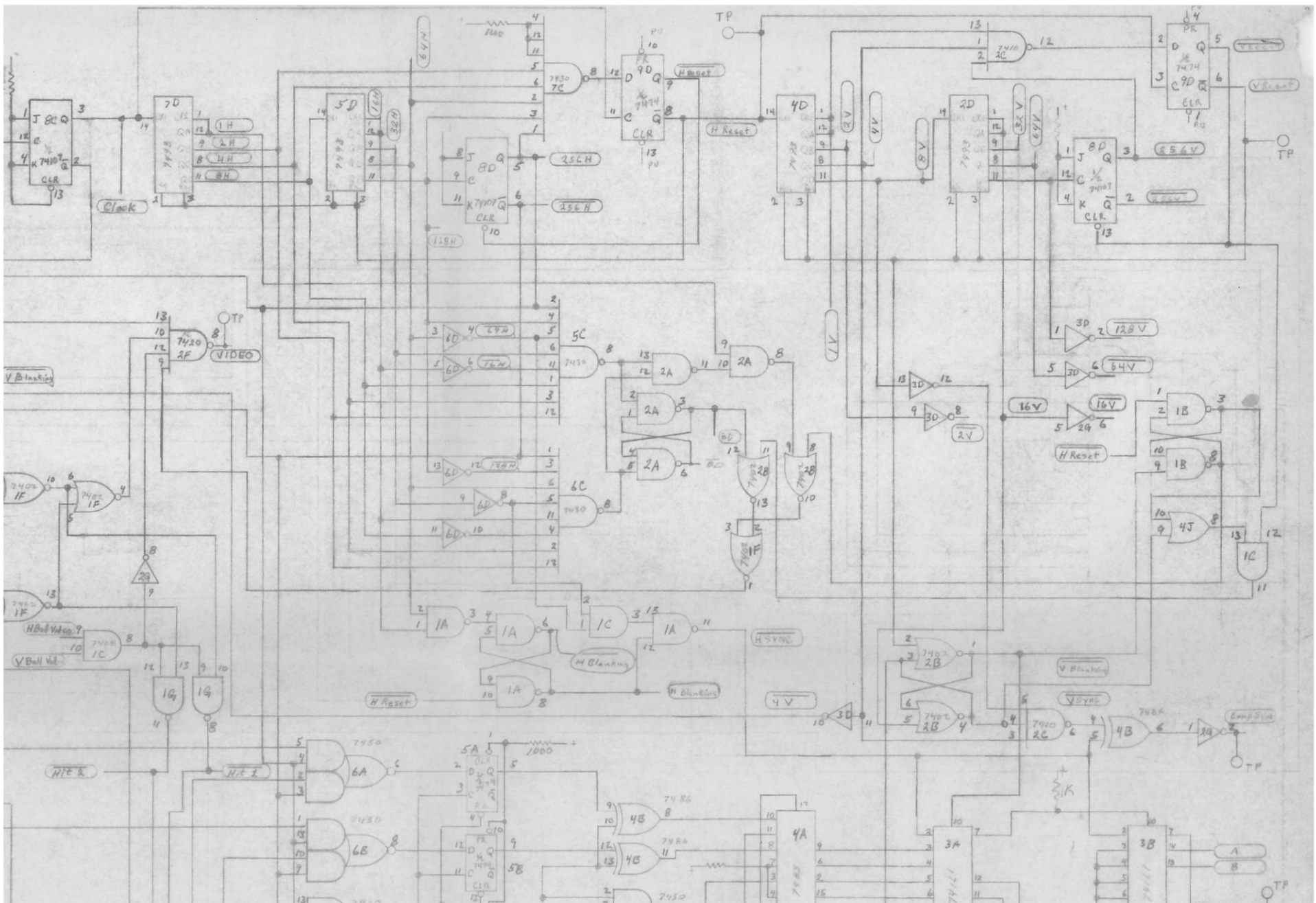
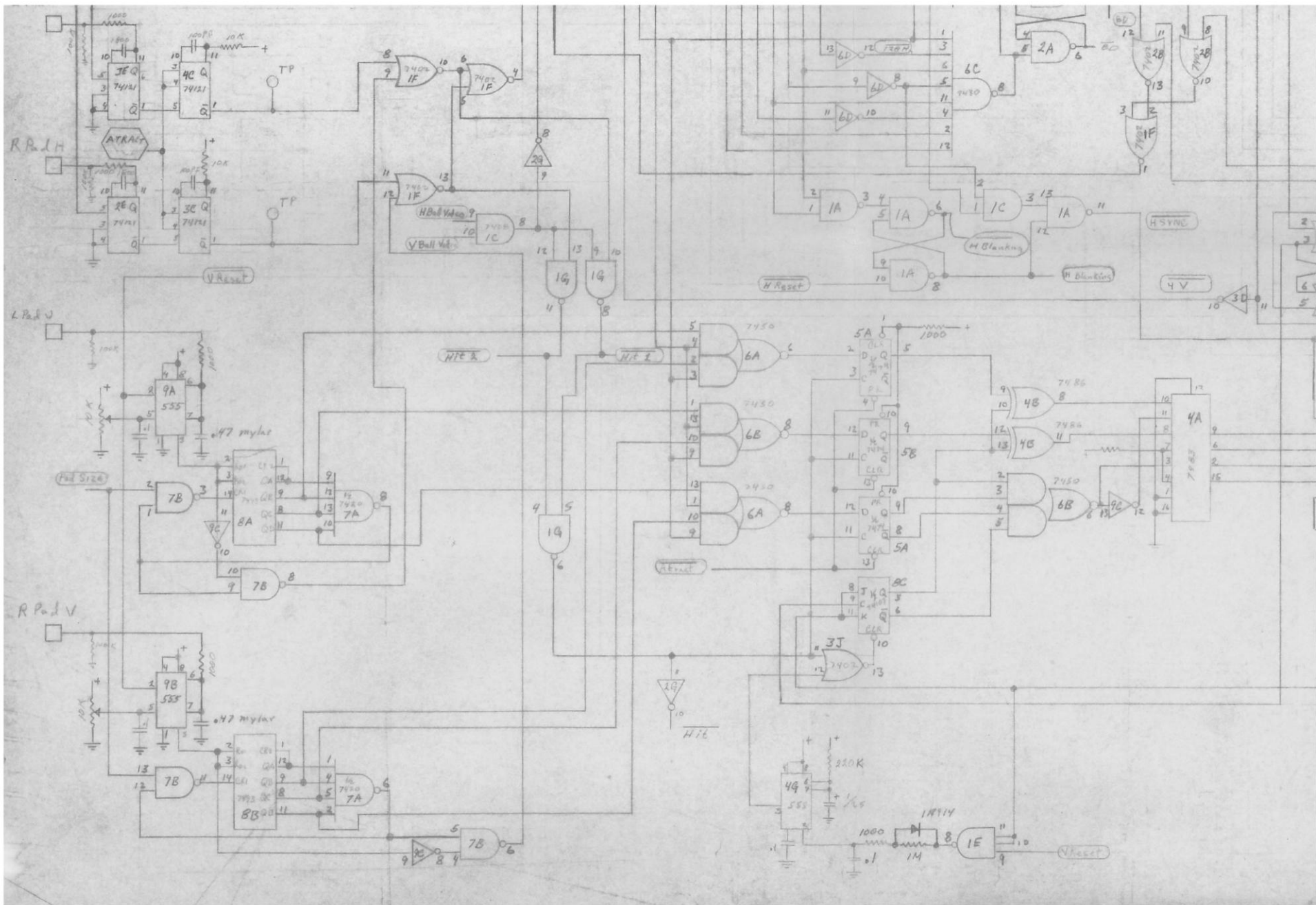


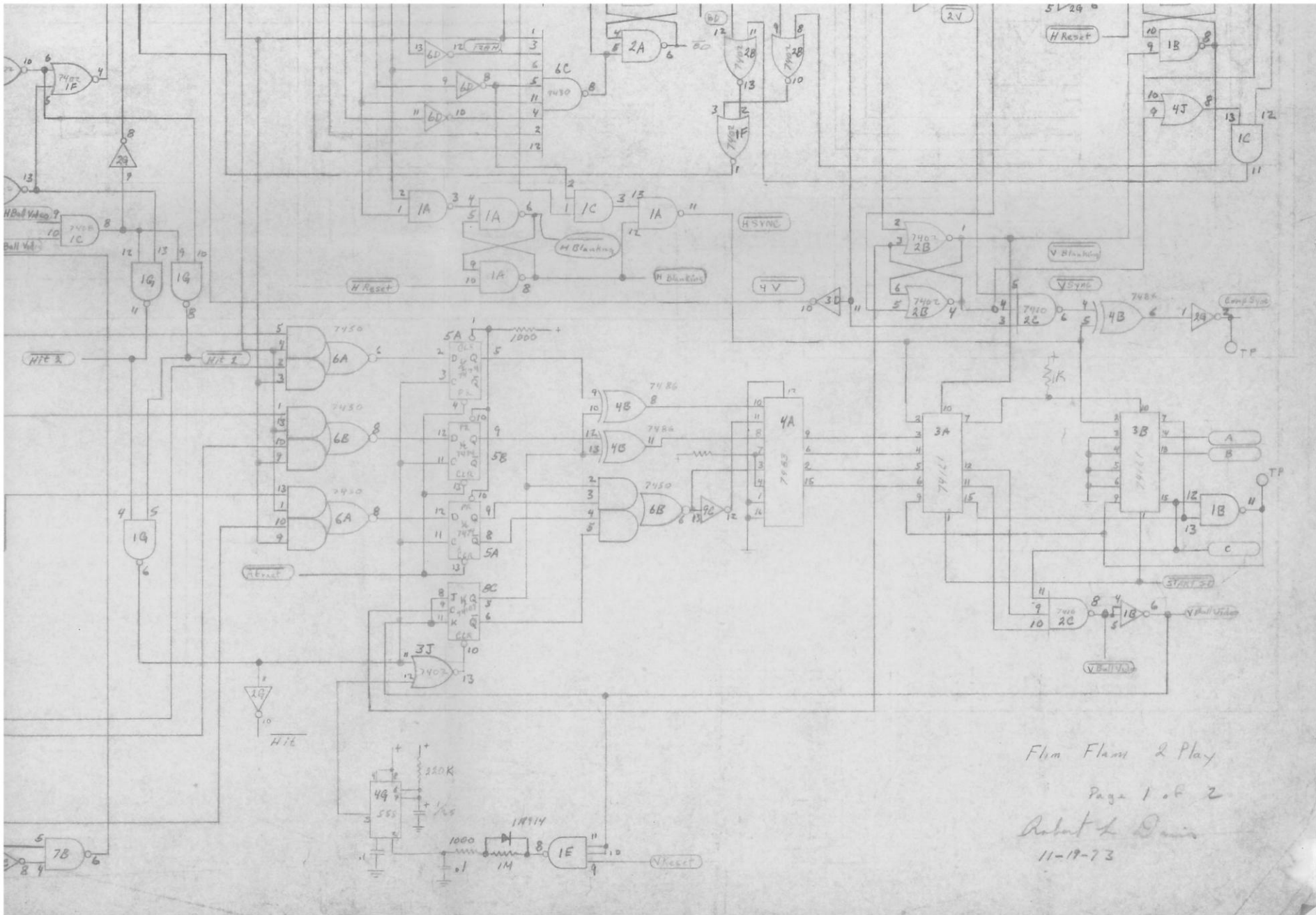
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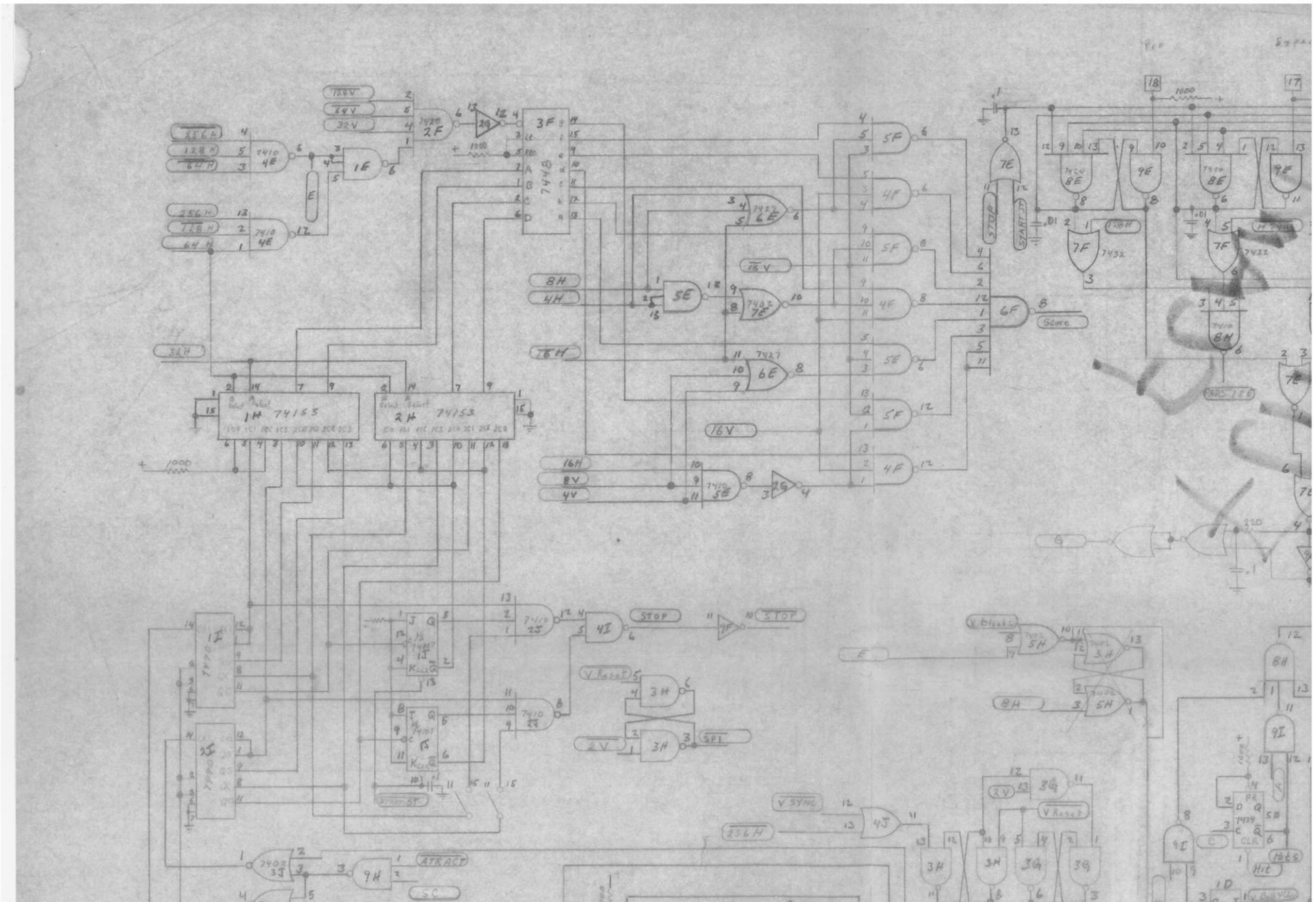
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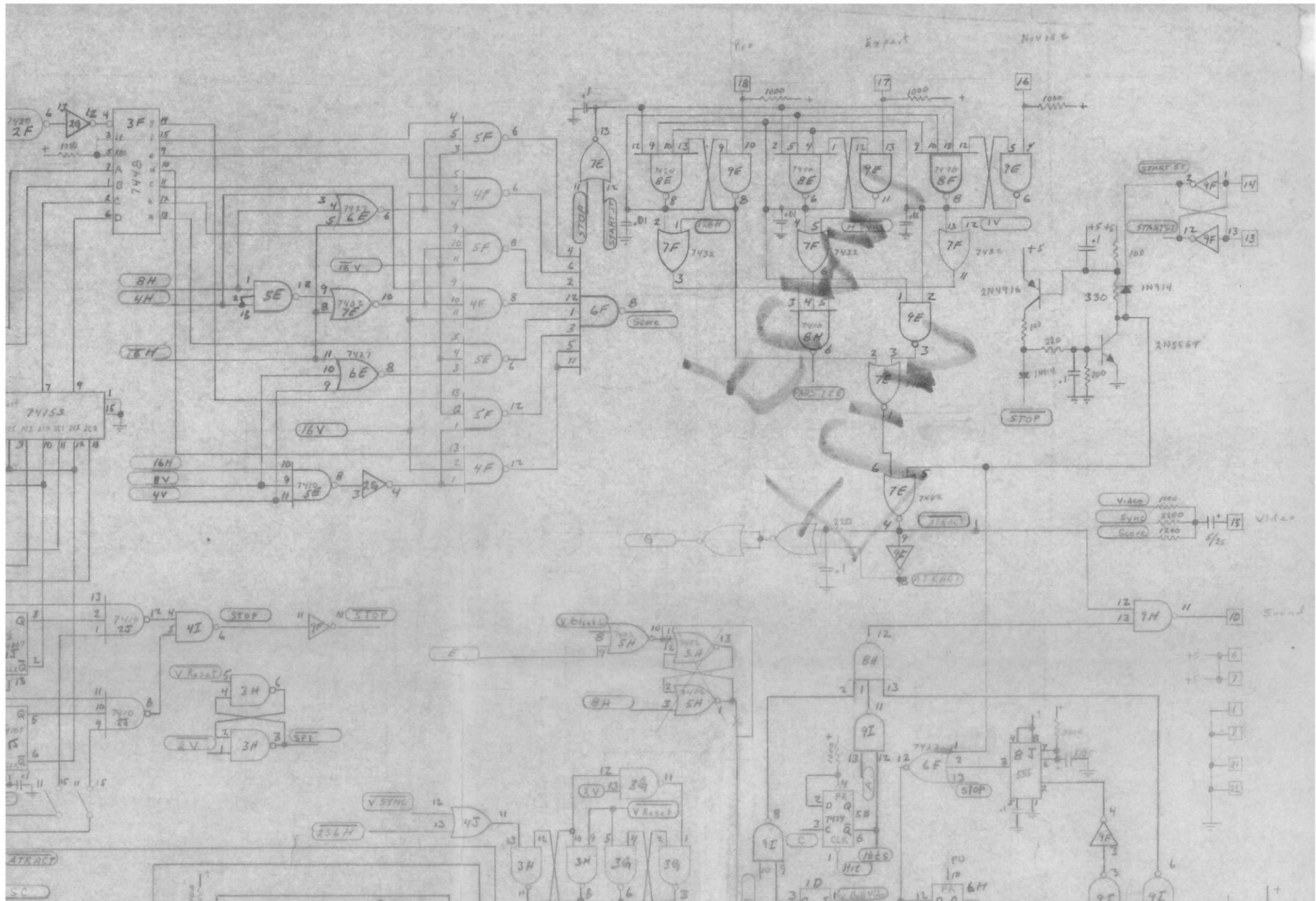
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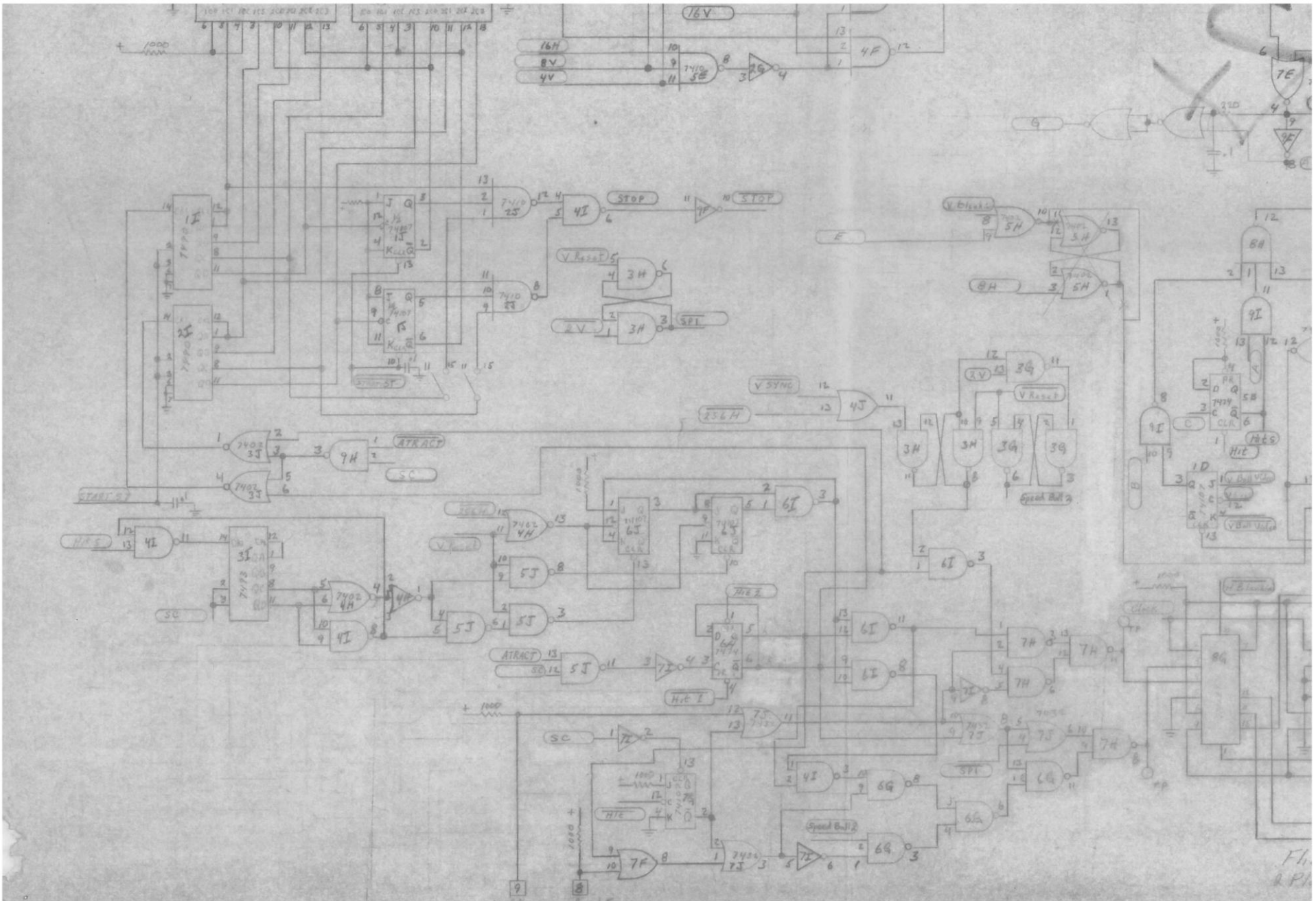
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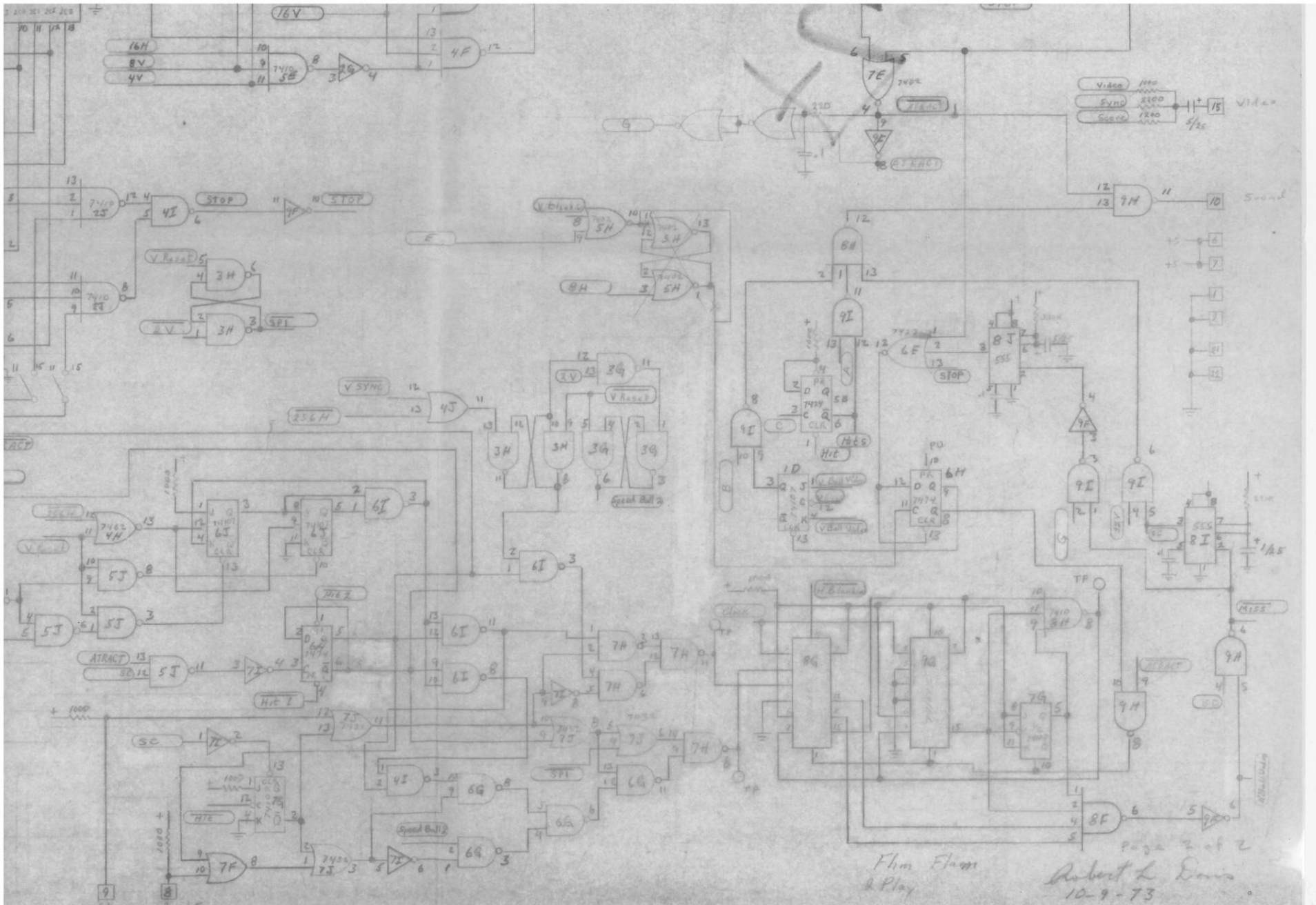
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# Trouble Shooting Aids and Adjustment Procedures for Model 100—2 Player Flim-Flam

If the picture rolls vertically, adjust "Vertical Hold"

If the picture breaks up into diagonal lines, adjust the "Horizontal Hold"

If the paddles cross the borders or the net, an adjustment is necessary.

An improper vertical adjustment can cause the paddle to jump or to blink when moved to the bottom position.

When making Paddle adjustments, use the "Pro" size paddles.

## VERTICAL

**Top Position:** Adjust the pot, part #34, on the Joystick assembly by grasping the two ears on part #33; part #32 **should not be moved**. Rotate part #33 to obtain proper top position.

**Bottom position:** Move the Joystick to the extreme bottom position and then adjust the potentiometer on the printed circuit board to obtain the proper bottom position. Keep adjusting in one direction until paddle disappears at top of screen, re-emerges at the bottom and then stabilizes.

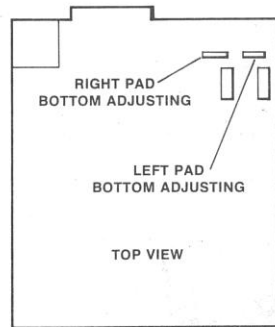
## HORIZONTAL POSITION

Adjust part #33 on Joystick assembly to obtain the proper position, this effects only the right extreme position of the paddle. Tightness of the Joystick shaft can be adjusted by tightening or loosening screws #1.

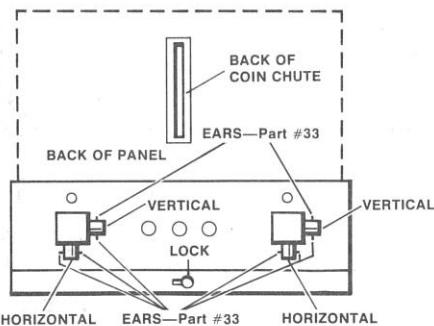
## POTENTIOMETER REPLACEMENT

Remove screws #24 and lift off the side with the bail and pot. Then slide the part #13 off the potentiometer shaft. Next remove nut, #21, and washer, #22. Slide potentiometer out of part #33. Install new potentiometer in part #33; then install washer, #22, and nut, #21. Slide part #13 with bail, #14, on the potentiometer shaft, being careful to line up flat on the potentiometer shaft. Install the side assembly on the Joystick assembly using screws #24.

Care should be taken to replace parts in the same order and position as they were when they were removed.

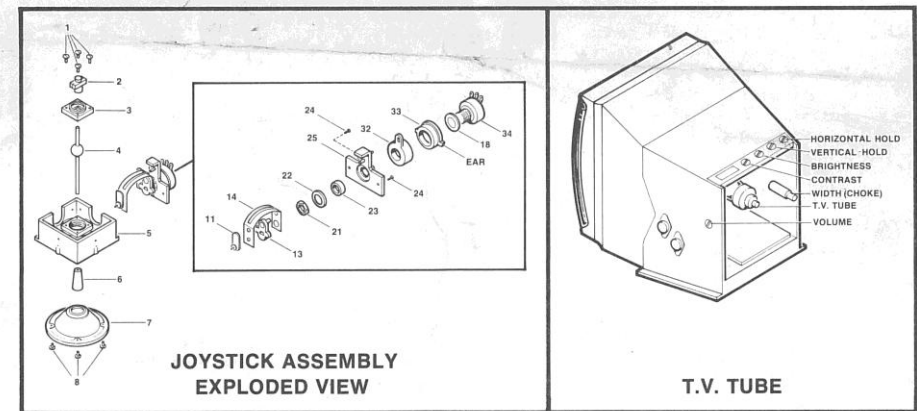
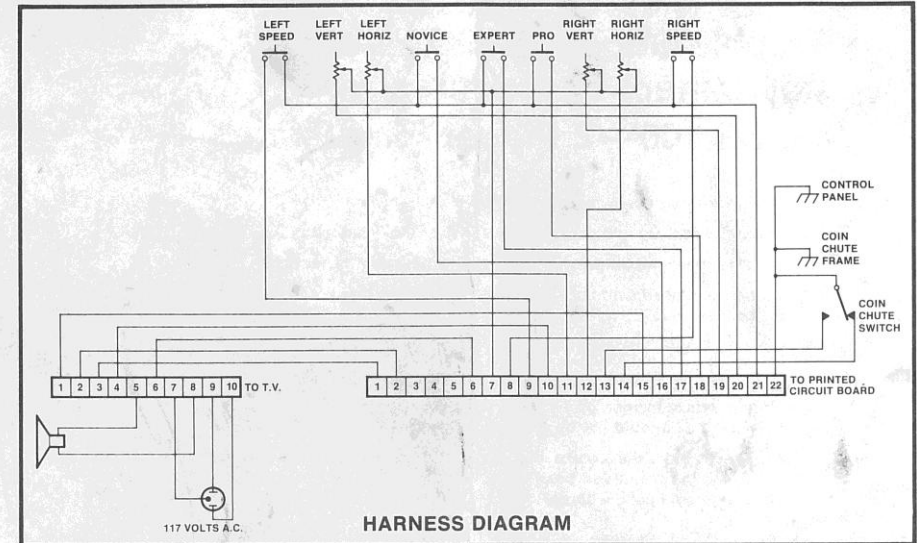


PRINTED CIRCUIT BOARD



DOOR ASSEMBLY Adjusting Part #33

See Other Side for Harness Diagram, Joystick Assembly and Adjustment Locations.



MEADOWS GAMES, INC.

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# Film Flamm POT conversion

To replace the blue Bourne pots with the modified Allen Bradley pots, first remove the wires from the joystick control, keeping the two pairs of wires separate. Mark the ones that come off the pot sticking out to the right. These are for the vertical control.

Next, remove the four screws that mount the joystick control unit to the game, and remove the control from the game.

Orienting the control like in fig. 1, remove the two screws holding the upper pot mounting and bail assembly (marked blue in the drawing). Slip off the bail assembly and remove the nut holding the pot in place. Referring to figure 2, discard parts 34, 18, 33, 32, and 23. Insert the new pot marked with blue in part #25, as in fig. 3. Fasten snugly in place with washer and nut 22 and 21. Slip on the bail assembly.

Repeat with the plain pot.

Reassembling the control unit, the plain pot is mounted first. Rotate the bail all the way from right to left and note that it will travel far enough only when rotated to the left. With the bail rotated all the way to the left, remount on the control base as normal. (fig. 1)

On the blue pot the bail must be rotated to the right. Mount as normal.

When reinstalling the control unit on the game, the plain pot must point to the right. Attach the vertical control wires to the plain pot. Attach the wires to the two straight terminals on each pot, (fig. 1).

Adjust paddle travel as you normally would by tuning the pot.

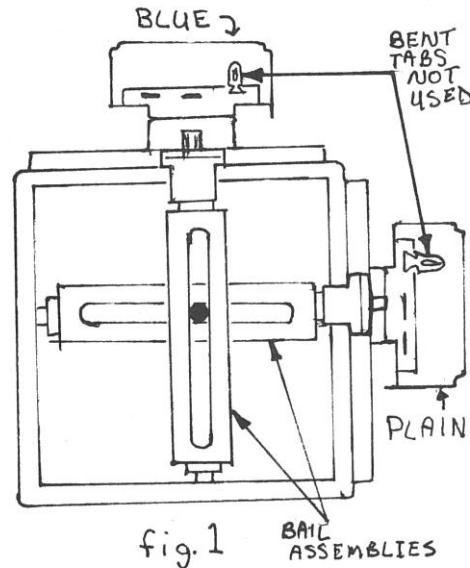


fig. 1  
BAIL ASSEMBLIES

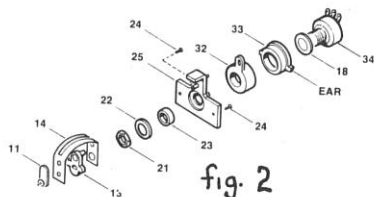


fig. 2

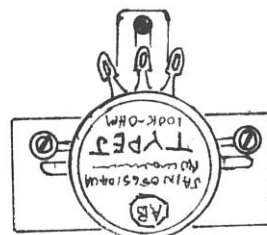


fig. 3