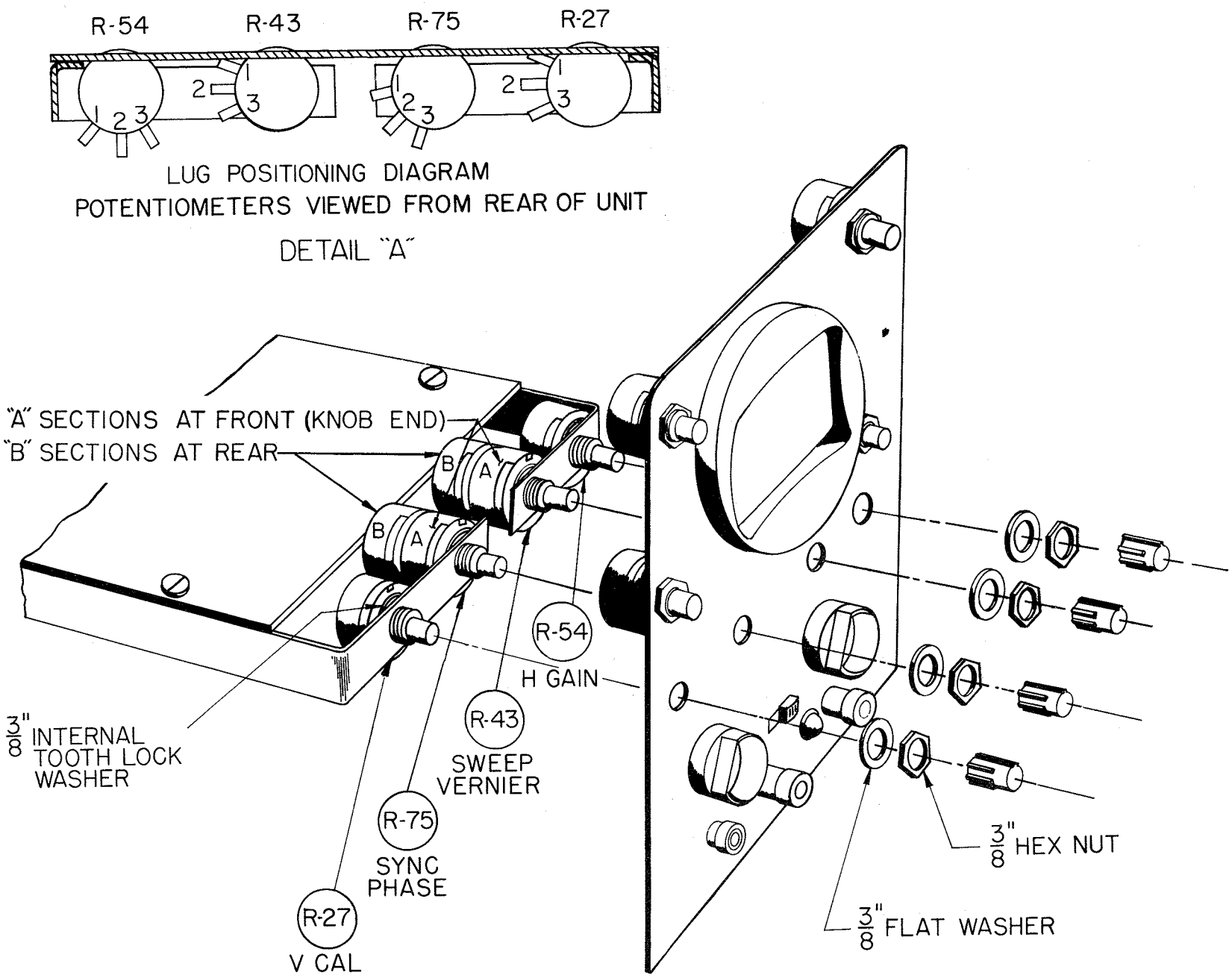


SECTION H, LAMINATED CIRCUIT BOARD TO FRONT PANEL

Assembly of Laminated Circuit Board to Front Panel

PARTS LIST		
Symbol	Description Markings Indicated by Quotation Marks (" ")	Qty.
	Flat washers, 3/8" inside diameter	4
	Knob, small rubber	4

- Illustrations: Figure 8; Figure 8, Detail A; Figure 9.
- Steps 1 through 29. Check (✓) each step as it is completed.
- () Place the laminated circuit board assembly and the front panel assembly into position as shown in Figure 8.
 - () Remove hex nuts from R-27 V CAL, R-75 SYNC/PHASE, R-43 SWEEP VERNIER, and R-54 H GAIN.
 - () Insert the shafts and bushings of the four potentiometer into their proper holes in the panel. Slip a 3/8-inch flat washer over each of the bushings and replace the hex nuts. Check the position of the potentiometers as shown in Figure 8, Detail A, and tighten the hex nuts securely. Place a small black rubber knob over each of the above potentiometer shafts.
NOTE: In the following steps, avoid undue criss-crossing of the wires.
 - () Connect the free-end lead of C-42, coming from R-75A, lug #2 to lug #1 on the pilot light socket. (NS)
 - () Connect the white wire from S-2 wafer #2 lug #1 to R-43B lug #3. (S)
 - () Connect the white wire from hole #1 on the laminated board to R-35 lug #1 on the front panel. (S)
 - () Connect the orange wire from board hole #2 to R-35 lug #3. (S)
 - () Insert the white wire from vertical range switch S-1 wafer #3 lug #7 into board hole #30 on the copper foil side. Hold the insulation back about 1/8-inch from the foil, and solder the connection.
 - () Insert the gray wire from S-1 wafer #4 lug #18 into board hole #26, and solder as above.
 - () Identify the orange wire from S-1 wafer #2 lug #3. Run this wire through the notch in the shield; make a 1/2-loop around the gray wire (step 9 above); then to the junction of R-13 and pin #9 on the 6BR8 socket. (S)
 - () Identify the violet wire from S-1 wafer #3 lug #21 and run it straight out toward the rear of the switch, over the rear edge of the shield, and connect to lug #2 of the pilot light socket. (NS)
 - () Identify the gray wire from S-2 wafer #1 lug #7 and run it over the front edge of the laminated board, and insert into hole #21. (S)
 - () Identify the violet wire from S-2 wafer #5 lug #1 and run it over the front edge of the laminated board, and insert into hole #19. (S)
 - () Identify the violet wire from S-2 wafer #3 lug #12 and run it over the front edge of the laminated board, and insert into hole #12. (S)
 - () Connect the free-end lead of R-74 coming from S-2 wafer #1 lug #20 to R-75A lug #2. (S)
 - () Identify the gray wire from S-2 wafer #4 lug #12, and run it over the front edge of the laminated board, and insert into hole #20. (S)
 - () Run the orange wire from board hole #7 down over the front edge of the board, and connect to S-3 lug #6. (S)
 - () Run the yellow wire from board hole #8 down over the front edge of the board, and connect to S-3 lug #3. (S)
 - () Run the violet wire from board hole #24 down over the front edge of the board, and connect to lug #1 on the pilot lamp socket. (NS)
 - () Run the yellow wire from board hole #23 down over the front edge of the board, and connect to lug #2 on the pilot lamp socket. (NS)
 - () Run the yellow wire from board hole #3 down over the front edge of the board, and connect to S-3 lug #1. (S)
 - () Connect the orange wire from board hole #17 to R-60 lug #1. (S)
 - () Connect the violet wire from R-75A lug #3 to lug #2 on the pilot lamp socket. (NS)
 - () Identify C-22 from R-75B lug #1. Slip a 1 1/4-inch length of black insulating sleeving over the free-end lead of C-22, and connect it to S-3 lug #5. (S)
 - () Connect the yellow wire from R-75B lug #3 to S-3 lug #2. (S)
 - () Connect yellow wire from hole #18 to R-60, lug #3. (S)
 - () Inspect work. Shake out any loose wire cuttings. The body or uninsulated leads of any component must not touch any other component.
 - () The pilot lamp socket lugs should not be soldered. All other used terminals should be soldered.
 - () Examine the laminated circuit board. Every hole should be used and soldered.



MOUNTING OF LAMINATED CIRCUIT BOARD ASSEMBLY

FIGURE 8

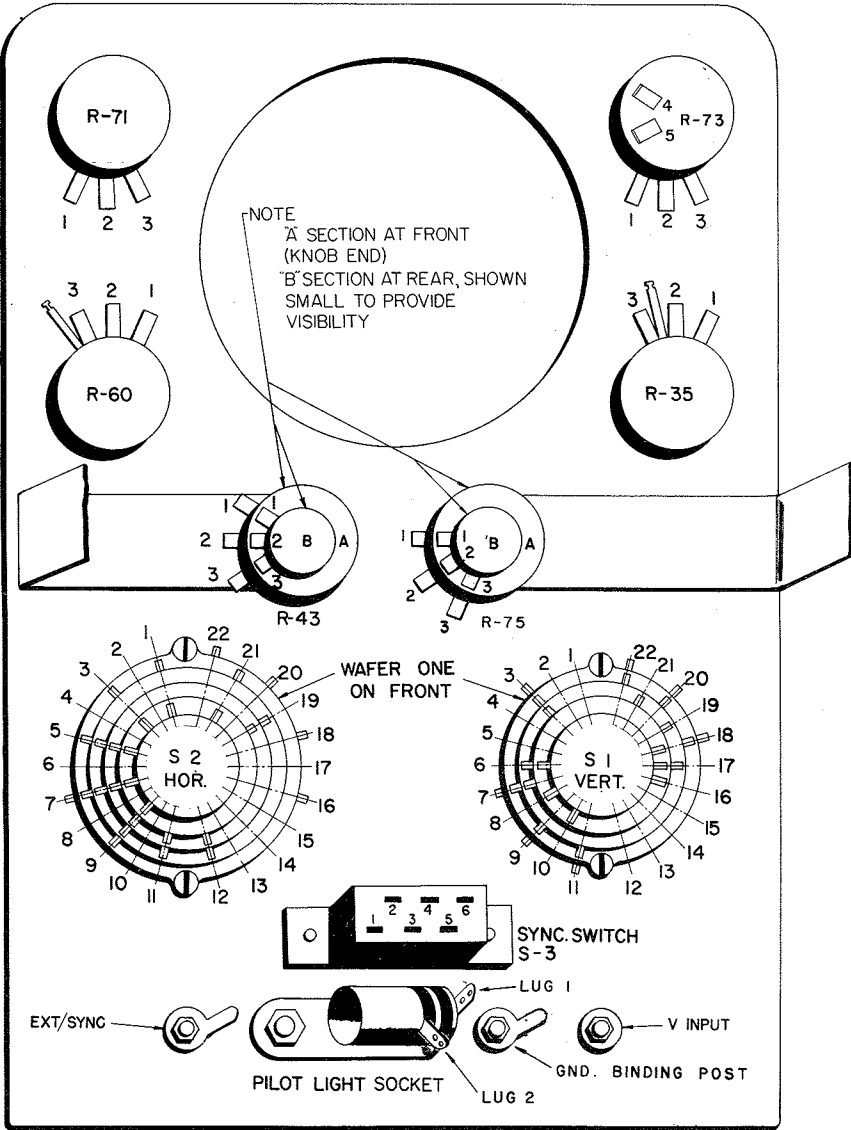


FIGURE 9

WORK AREA

