

# CONVERTING MODEL 195 TO MODEL 195A

## OSCILLOSCOPE

With reference to the schematic wiring diagram number 637W, Alt. A, in the 195 instruction manual, you will note that condenser C7 which is feeding the locking control is connected to the "EXT. SYNC." binding post. The "INT. SYNC." binding post is connected through condenser C10 to the junction of resistors R24 and R25.

To convert to the 195A, the following steps are necessary:

1. Disconnect C7 from the "EXT. SYNC." binding post.
2. Disconnect the lead from the "INT. SYNC." binding post.
3. Remove the "INT. SYNC." binding post.

4. Ream out or drill out this hole until it will accommodate the single pole double throw toggle switch.

5. Install the patch plate, code number 16025-84, and toggle switch, code number 19911-28.

6. Connect the 0.1 microfarad condenser, code number 3105-10, between pin 8 and pin 6 of the 6X5 rectifier tube socket.

7. Connect the 1 megohm resistor, code number 18415-102, between pin 6 and ground pin 2.

8. Connect a lead from pin 6 to the upper contact on the toggle switch.

9. Connect a lead from the center contact of the toggle switch to the external binding post.

10. Connect the lead which had previously been connected to the internal binding post to the lower contact of the toggle switch.

