

OPERATING HANDBOOK FOR
"GLUE NOSE"

(20" Picture Tube Model RA 109)

Part #57,000,841-Tentative
consisting of

3 Pages of operating instructions, &
2 Pages of unpacking instructions.

HOW TO OPERATE YOUR DU MONT TELEVISION RECEIVER

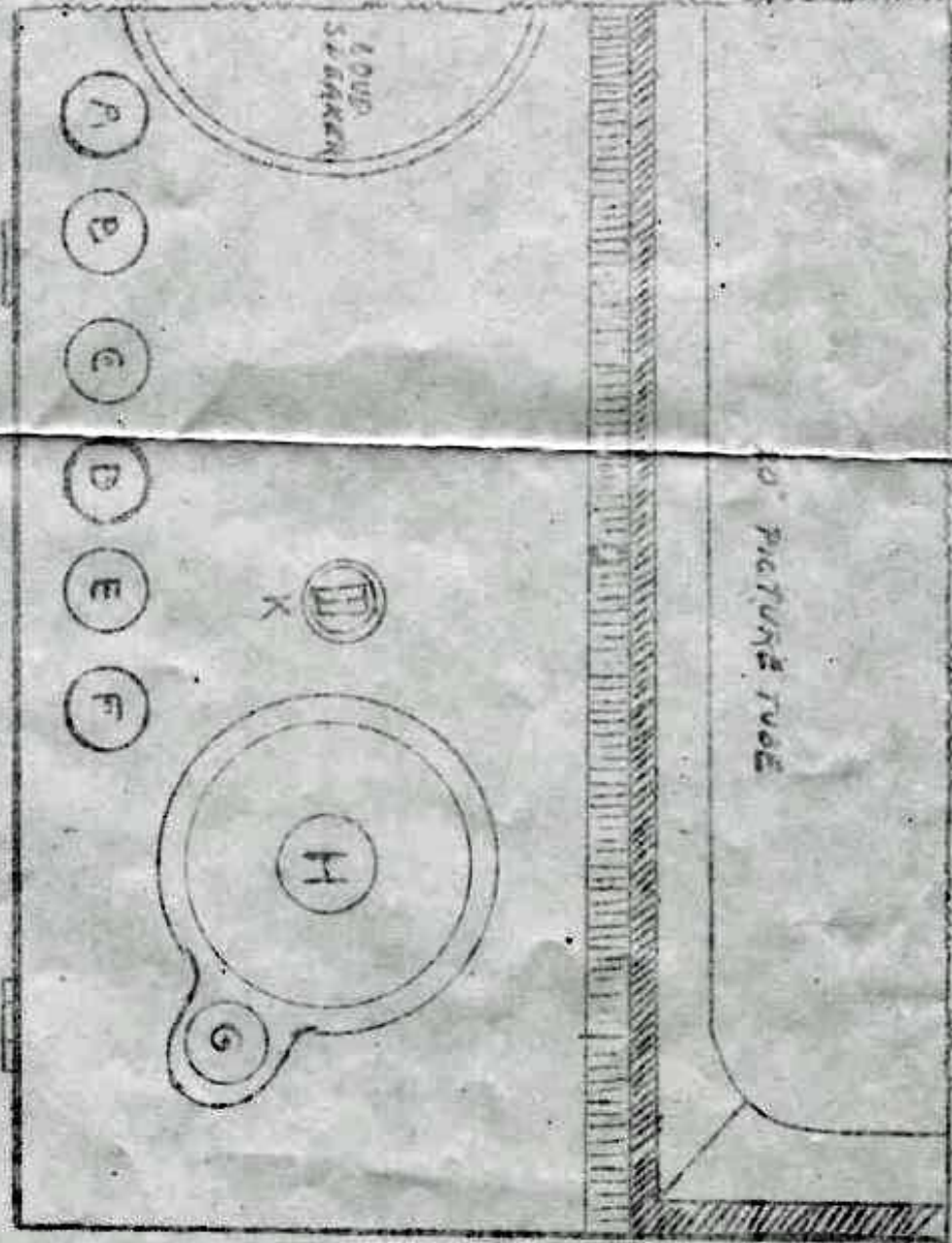
DU MONT TELESETS* operate on normal house current, (115-120 volts, 60 cycle AC). Any other service requires special equipment. Only qualified servicemen should adjust controls in the rear. Front control knobs are labelled, A, B, and so on from left to right on the full-page illustration.

1. Turn BRIGHTNESS CONTROL "E" and CONTRAST CONTROL "F" counter-clockwise.
 2. Snap ON-OFF-TONE CONTROL "A" clockwise. Wait one minute for warm-up
 3. Snap SELECTOR SWITCH "D" to first Tel. position (next to FI position)
 4. Turn BRIGHTNESS CONTROL "E" clockwise until light is just seen on screen.
 5. Turn CONTRAST CONTROL "F" fully clockwise.
 6. Turn TUNING DIAL "H" so bright spot falls on desired channel and adjust fine tuning knob "G" so bottom edges of bright areas on indicator "K" (tuning eye) coincide. When station is tuned precisely, movement of knob in either direction causes edge to move from coinciding position.
 7. Adjust VOLUME CONTROL "B" for desired volume.
 8. Adjust CONTRAST CONTROL "F" for desired contrast.
 9. Adjust FOCUS CONTROL "C" until sharp picture is obtained, and then readjust brightness and contrast.
 10. Turn SELECTOR SWITCH "D" to last Tel. position to turn out dial light.
 11. To turn set off, turn ON-OFF-TONE CONTROL "A" counter-clockwise until a click is heard.
- To resume operation on same station, it is only necessary to snap ON-OFF-TONE CONTROL "A" clockwise. If a different station is desired, readjust TUNING CONTROL.

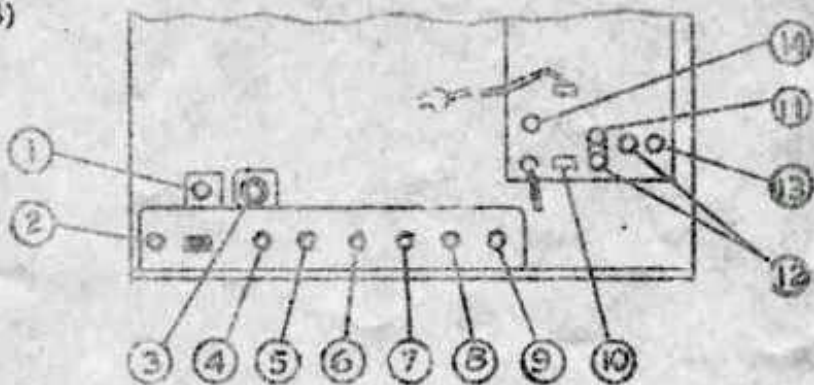
HOW TO OPERATE FREQUENCY MODULATION (FM)
RADIO RECEPTION ON YOUR DU MONT TELESET

1. Turn SELECTOR SWITCH "D" to FM position
2. Snap ON-OFF-CONTROL "A" on.
3. Turn TUNING CONTROL "H" so that illuminated spot falls on FM scale and turn fine tuning knob "G" so spot falls on desired station. Adjust slowly so that the bottom edges of bright areas on indicator "K" (tuning eye) coincide. When station is tuned precisely movement of knob in either direction causes edge to move from coinciding position.
4. To turn power off, turn ON-OFF-TONE CONTROL "A" counter-clockwise until a click is heard.

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Club Operating
Section



FRONT PANEL CONTROLS
"CLUB B" MODEL TELESET



**REAR CONTROLS SHOULD BE ADJUSTED AND SET
ONLY BY YOUR TELEVISION SERVICE REPRESENTATIVE!**

1. ANTENNA RECEPTACLE for attaching shielded (co-axial) transmission cable.
2. RECORD PLAYER INPUT RECEPTACLE to which the shielded cable of a record player may be attached.
3. HORIZONTAL HOLD CONTROL which keeps picture from moving to right or left, and maintains horizontal symmetry.
4. HORIZONTAL CENTERING CONTROL sets the picture in its proper horizontal position within the picture frame.
5. VERTICAL HOLD CONTROL keeps the picture from moving up or down.
6. VERTICAL SIZE CONTROL adjusts correct size of picture vertically.
7. VERTICAL LINEARITY CONTROL regulates the proper vertical proportions and perspective of the screen picture.
8. VERTICAL CENTERING CONTROL sets the picture in its proper vertical position.
9. VERTICAL CENTERING SWITCH reverses the direction of vertical centering movement.
10. PHONO MOTOR RECEPTACLE receives the phono power cord, when record player is attached.
11. HORIZONTAL SIZE CONTROL adjusts correct size of picture horizontally.
12. HORIZONTAL LINEARITY CONTROLS regulates the proper horizontal proportions and perspective.
13. HORIZONTAL DRIVE CONTROL regulates the stretching of the picture horizontally to avoid distortion in the horizontal proportions.
14. PROTECTIVE FUSE in convenient fuse-holder mounting.

(The power cord for the Teleset is shown directly above the fuse.)

Give it room to breathe. Your DU MONT TELESSET has been designed to provide adequate ventilation of the interior, thus operating all components at conservatively low temperatures and assuring trouble-free operation. Do not place any obstructing material over the ventilating plate near the top, or in the space underneath the cabinet.

DO NOT CONVEY SETS TO DEFECT CURRENT!

DU MONT TELESSETS operate on normal house current (115-120 volts, 60 cycle AC).

ALLEN S. DU MONT LABORATORIES, INC.

ALLEN R. DU MONT LABS., INC.
UNPACKING INSTRUCTIONS
"CLUB MODEL" TELESETS

Preparation for Operation

Your new teleset has been carefully prepared for shipment to prevent damage during transportation. It is therefore necessary to prepare it for operation by proper unpacking.

1. The back cover must be removed to obtain access to the interior of the cabinet. It is held in place by seven machine screws. Remove these screws and carefully pull the back cover out. The small plug connector (at the cabinet end of the power cord) will come out as the back cover is removed, **THUS PROVIDING A SAFETY INTERLOCK ACTION FOR EXTREMELY HIGH VOLTAGE CIRCUITS.** Swing the back cover out of the way, as far as the chain will allow. (It is not necessary or advisable to remove the chain).

2. The main chassis is held down firmly for shipping purposes against two pressed-wood strips by two "J" bolts. These "J" bolts are removed by removing the nuts holding them to the underside by the base-board, pushing the bolt up, rotating it 90°, and pulling it down through the slot in the cabinet provided. The left "J" bolt may be removed from inside the cabinet.

After the "J" bolts have been removed, any pressed-wood packing strips present can also be slipped out.

The chassis is thus free to operate in its proper manner on the shock-mounts provided. The power supply at the right of the main chassis, remains fastened as it is.

3. Again viewing the cabinet from the back, the focus-coil and yoke-assembly will be found screwed to a block at the upper left corner of the cabinet. Remove the three screws holding the entire assembly to the block and set the assembly and hardware carefully aside.

4. Remove the three nuts and washers from the three bolts which extend toward the rear from the rear Cathode Ray Tube support. If necessary, free the cable which is tied to this support.

WARNING:

During the operations that follow, great care must be exercised to avoid exerting pressure against the neck of the Cathode Ray Tube. The weight of the focus-coil and yoke-assembly must not at any time be allowed to press or rest on the neck of the picture tube.

Sheet 2 of 2
"Club Unpacking Instructions"

5. Grasp the focus-coil and yoke-assembly in both hands with the casting flange away from you. With the axes of the large hole through the assembly horizontal, the wing nut up, and with the cable clamp at the upper left, cautiously slide the assembly over the neck of the Cathode Ray Tube, until the three bolts on the tube support engage the three rectangular slots on the assembly mounting plate, and the mounting plate is flush against the tube support.

Replace the three nuts and washers removed previously, on the bolts, center the assembly on the neck of the picture tube and tighten the nuts securely.

6. Plug the male plug on the cable attached to the focus-coil and yoke-assembly into the female connector on the cable coming from below, with matching color code.

7. To replace the back cover, the interlock plug on the power cord must be re-fitted into its correct position. While holding the back cover up-right, engage the prongs of the interlock plug by pushing forward slightly on the back cover, and then line up the holes in the cover with the T nuts into which the seven mounting screws will be re-inserted. In tightening the mounting screws, be sure that the interlock plug remains firmly seated in its receptacle.

8. After the authorized Du Mont Service Representative completes the installation of the antenna and the setting of the rear controls, which are shown on the third page of the "Operating Instructions" section, the Telaset will be ready for operation.

NOTE 1: For shipping purposes a round-head wood screw is used to hold down the metal plate (or pan) through which the shaft extension for the front-panel controls pass. Remove and discard this screw on unpacking, so that the chassis and its associated shaft extensions will again be free to float on their regular shock-mounts. The screw can be located directly under the place where the shaft extension for BRIGHTNESS CONTROL "E" passes through the metal plate. (As viewed from the rear, the "E" shaft is the second one from the left)

NOTE 2: Untie one cord by which the cables are tied to the rear metal support for the yoke-assembly in order to allow enough room for making the cable connections.