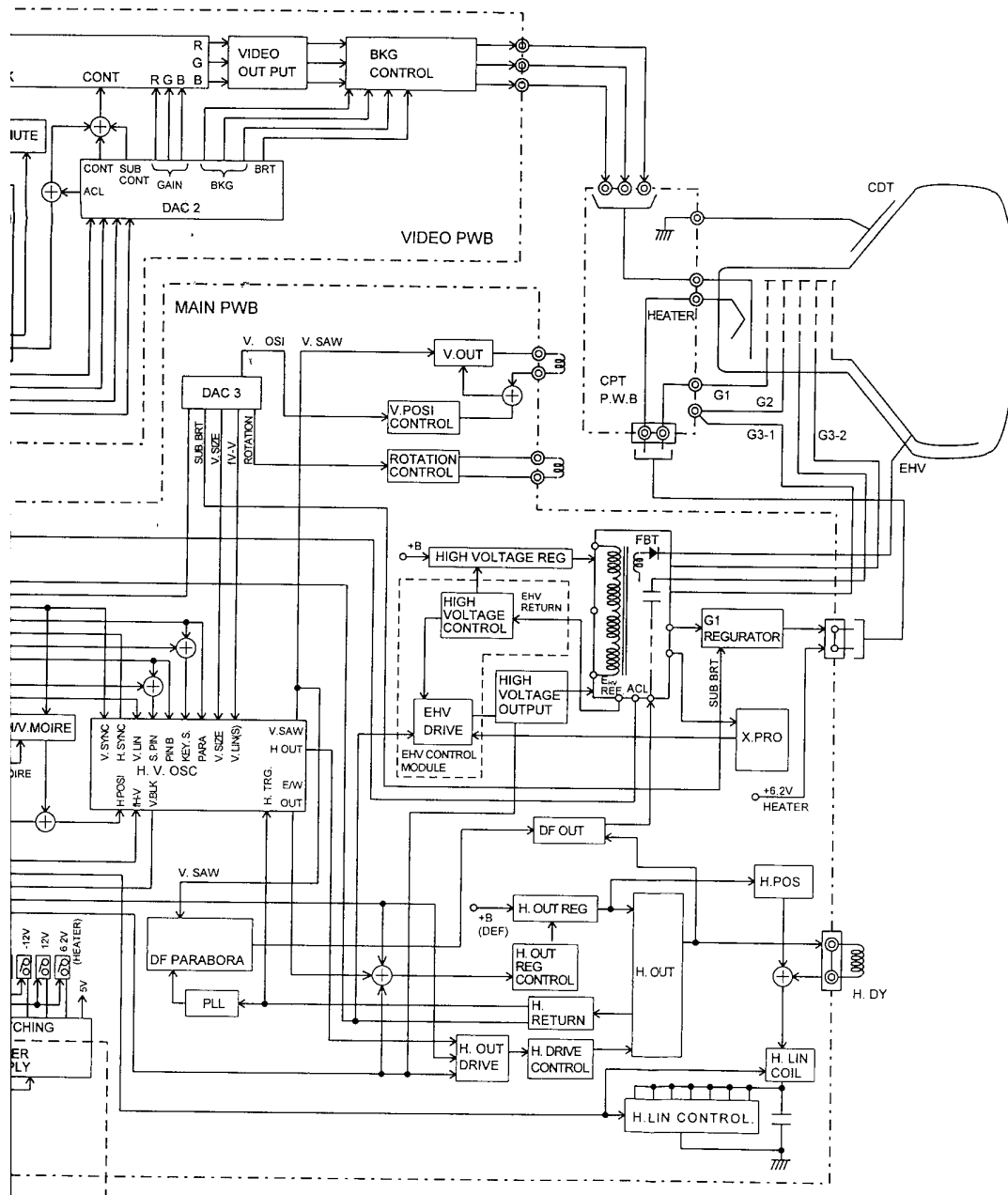
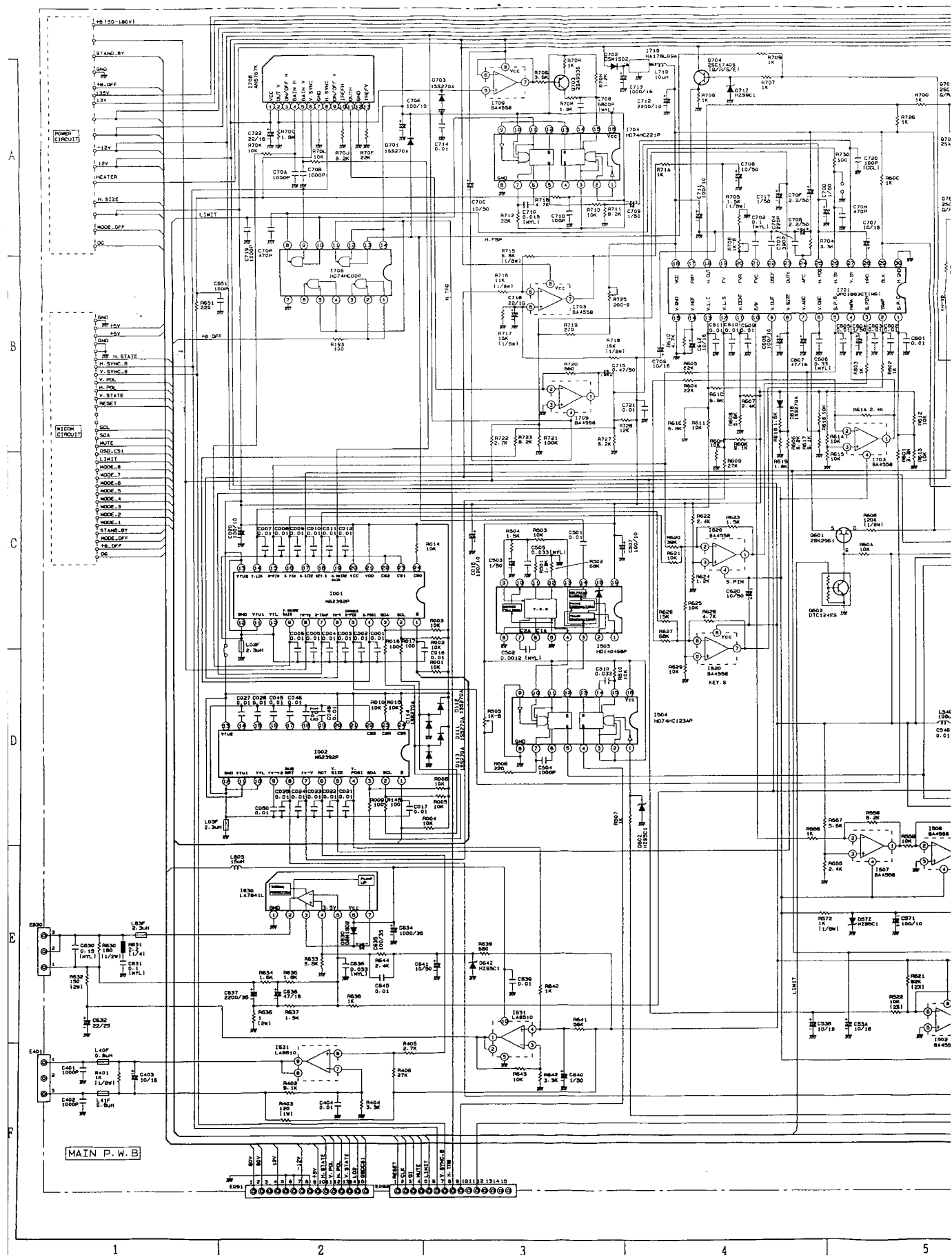


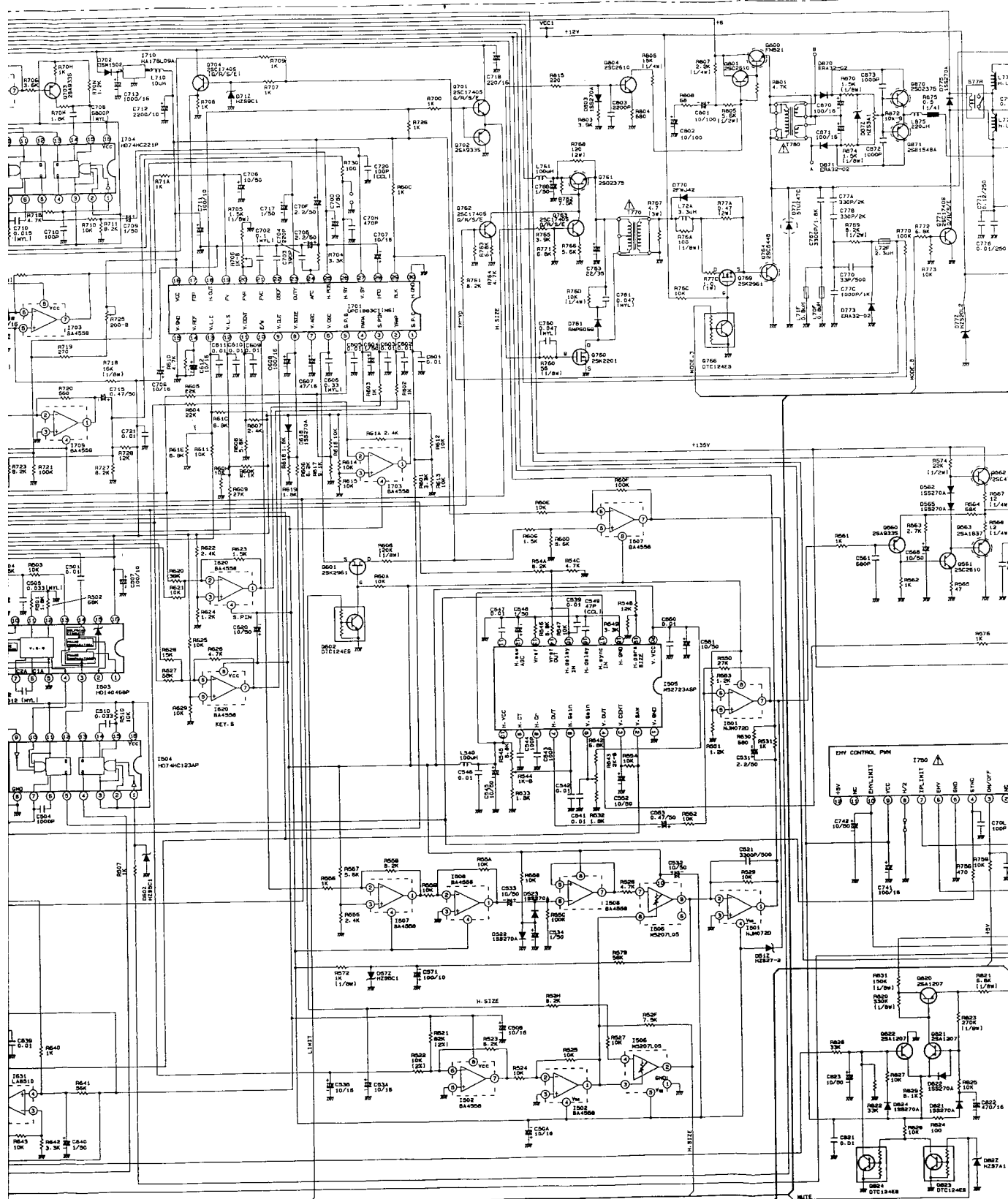
The diagram illustrates the internal circuitry of a video receiver, organized into several functional areas:

- Input Section:** Receives signals for R, G, B, H. SYNC, V. SYNC, SDA, and SCL. These are connected to a DDC (Digital Data Converter) and an H&V SYNC SIGNAL CONTROL block.
- Control & Timing:** Includes a KEY SW (Key Switch) connected to MEMORY and an RS232C DRIVE. A MICON (Microcomputer) block manages system control, receiving inputs like DI, CLK, LD1, LD2, LD3 and outputting control signals such as H.STATE, V.POL, H.V.STATE, V.POL, H. SYNC, V. SYNC, LIMIT, OSD CSI, MUTE, and MODE.
- Video Processing:**
 - OSD (On-Screen Display):** Receives R, G, B signals and outputs CL (Clock) and BLK (Black) signals.
 - CLAMP:** Processes the CL signal.
 - MUTE:** Receives MUTE and MUTE signals.
 - STATE:** A state machine block.
 - DAC 1 & 2:** Digital-to-Analog Converters for video signals.
 - DAC 3:** Controls V. POSI, V. SIZE, V. ROT, and ROTATION.
- Power & Timing:**
 - POWER SUPPLY:** Includes a RECTIFIER, CHOPPER, and two SWITCHING POWER SUPPLY units. It provides various voltage rails: 80V, 24V, -12V, 12V, 6.2V (HEATER), and 5V.
 - DEGAUSS:** A degaussing coil connected to the power supply.
 - DF PARABORA:** A deflection yoke driver.
 - PLL (Phase-Locked Loop):** Receives V. SAW (Sawtooth) and H. TRG (Horizontal Trigger) signals.
- Output Section:** The final video signals (R, G, B) are sent to the VIDEO OUT PUT, which is also connected to BKG CONTROL (Background Control).

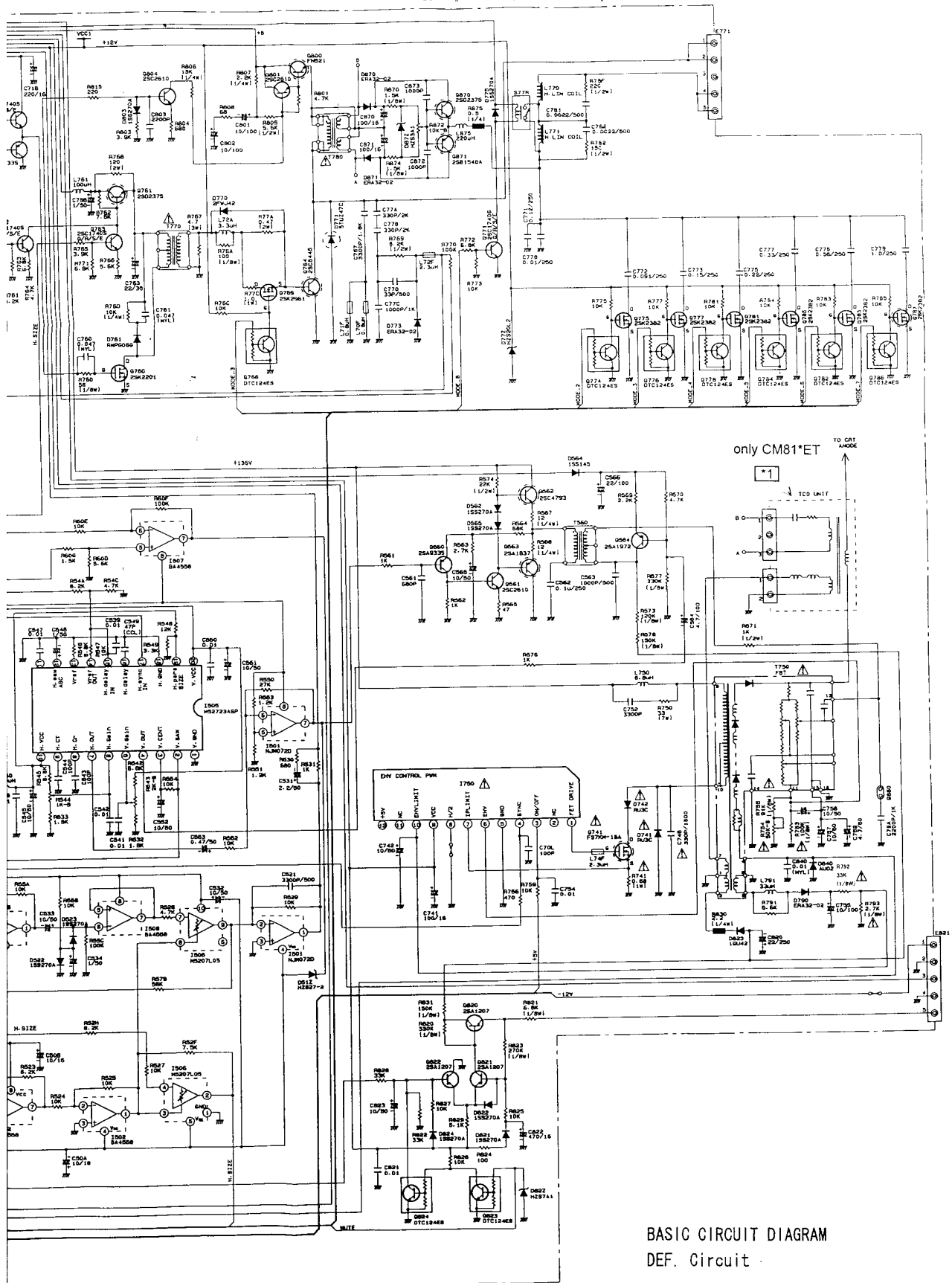


BASIC CIRCUIT DIAGRAM

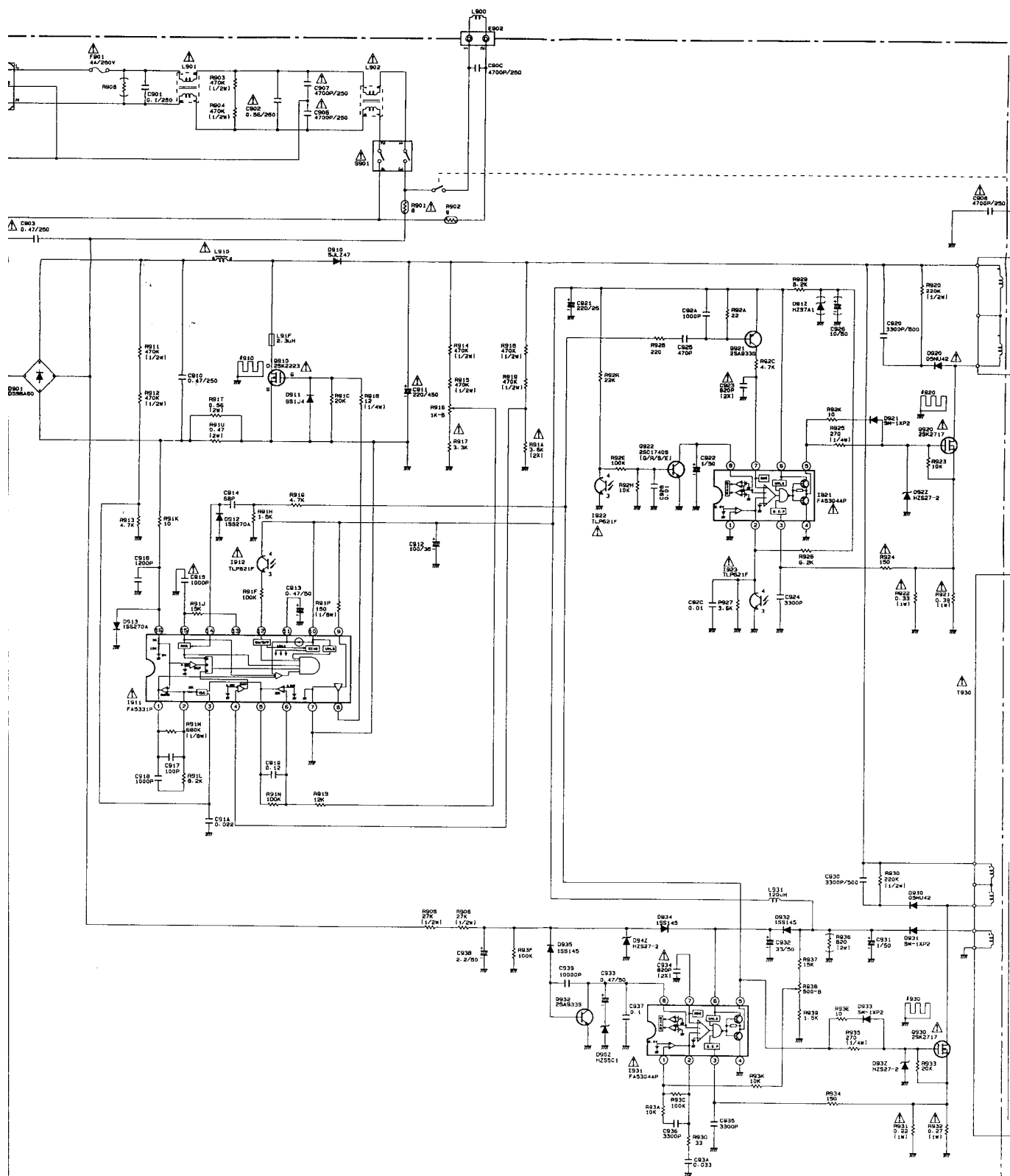




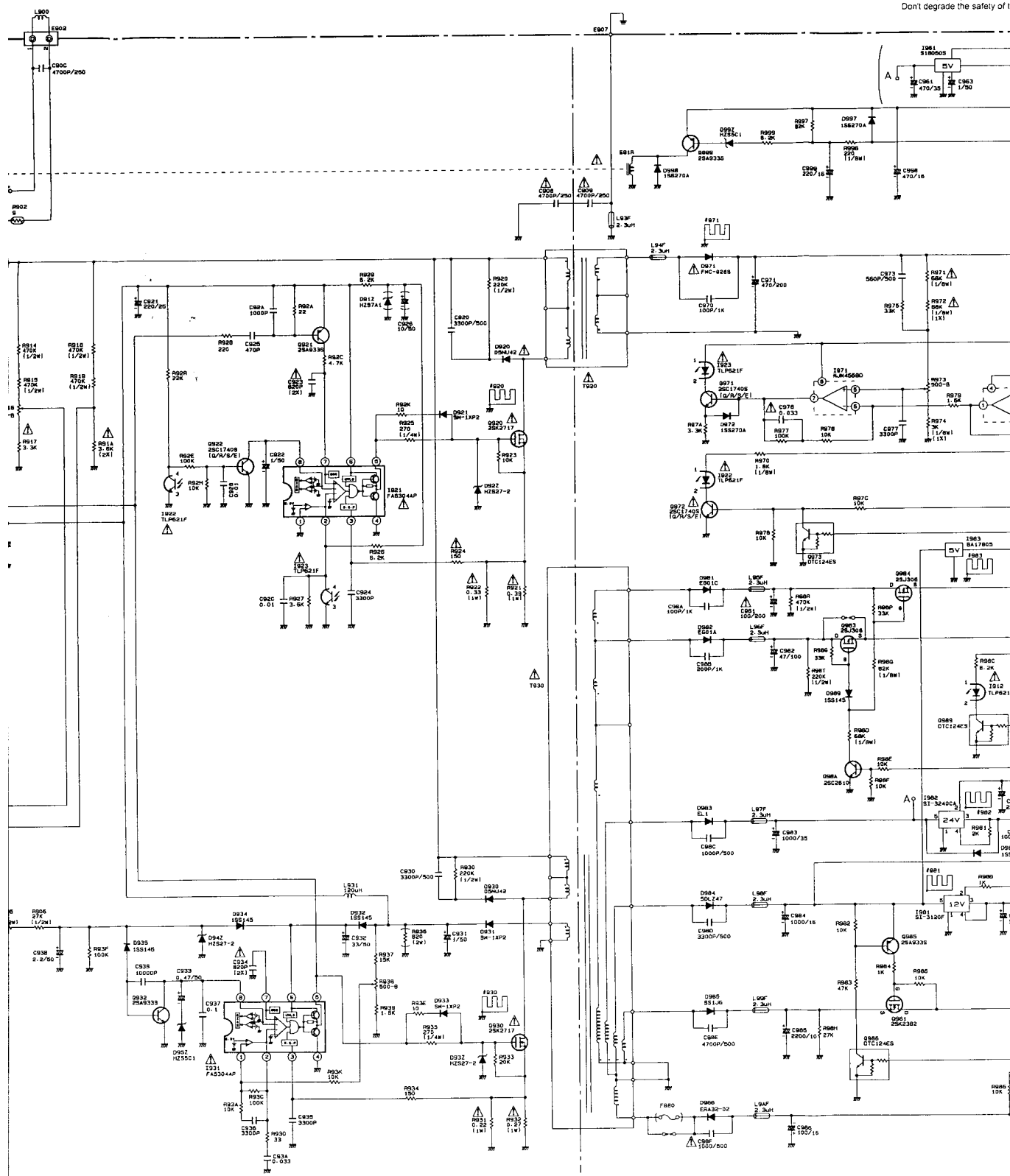
PRODUCT SAFETY NOTE: Components marked with a Δ have special characteristics important to safety. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the repair through improper servicing.



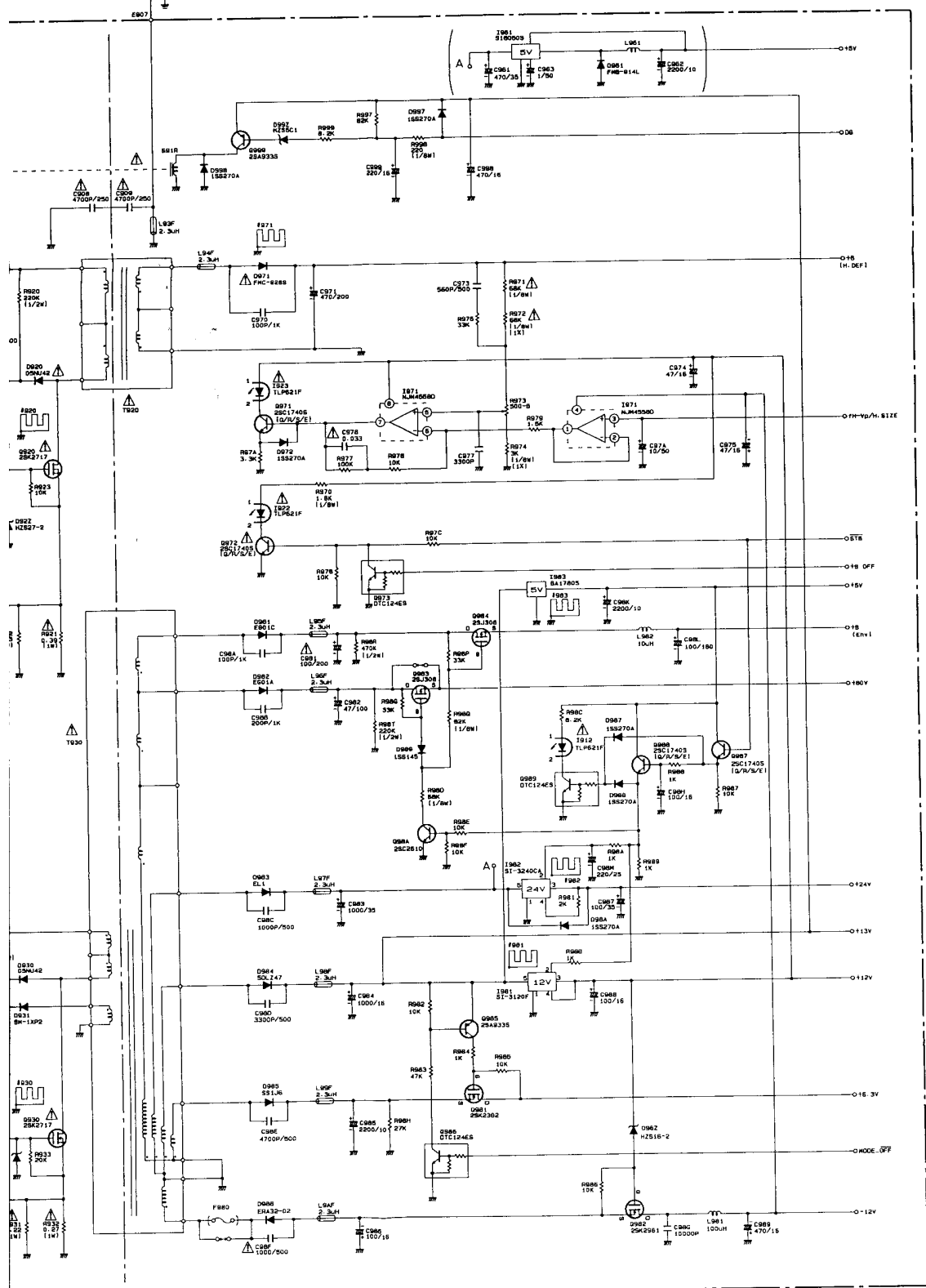
BASIC CIRCUIT DIAGRAM
DEF. Circuit



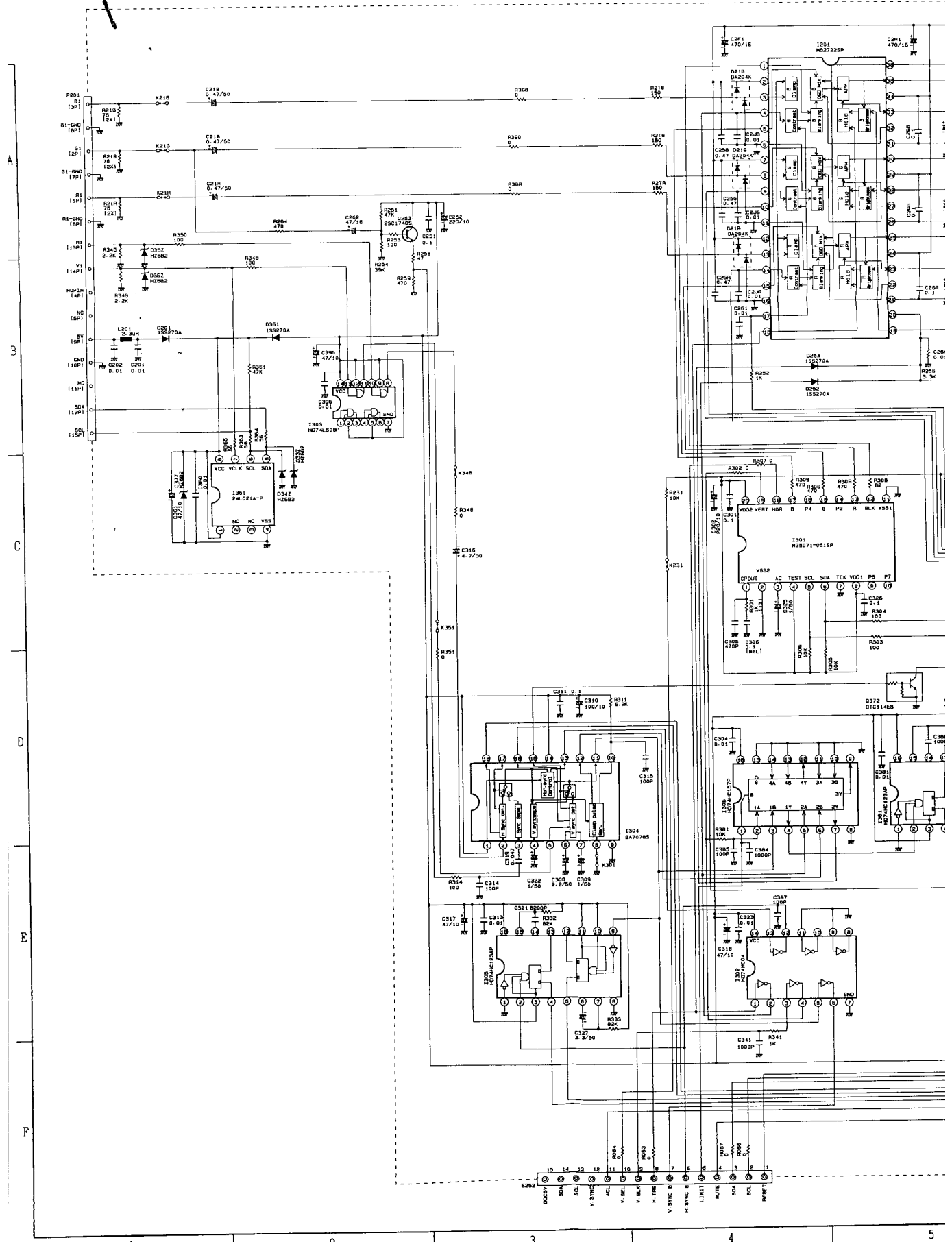
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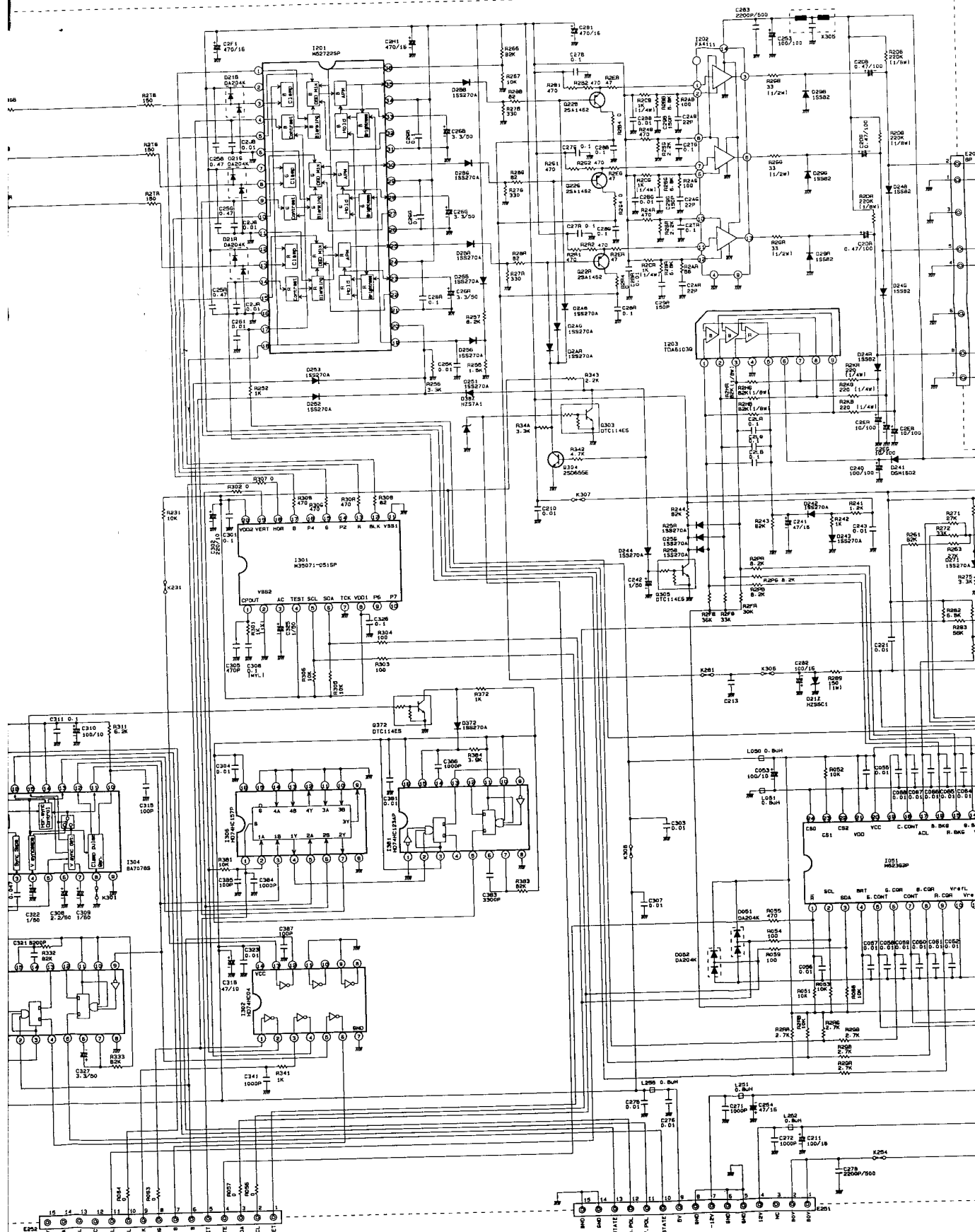


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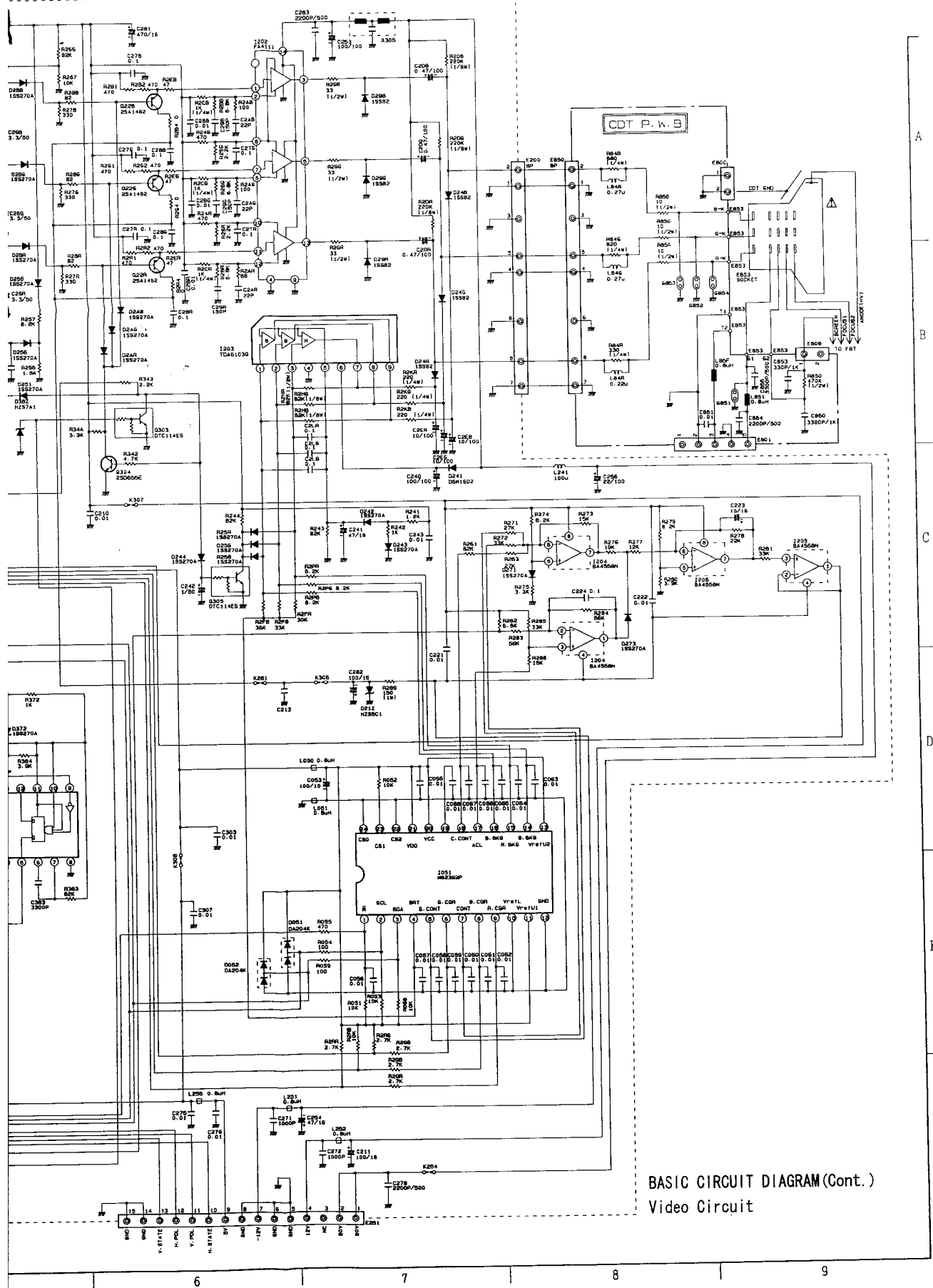


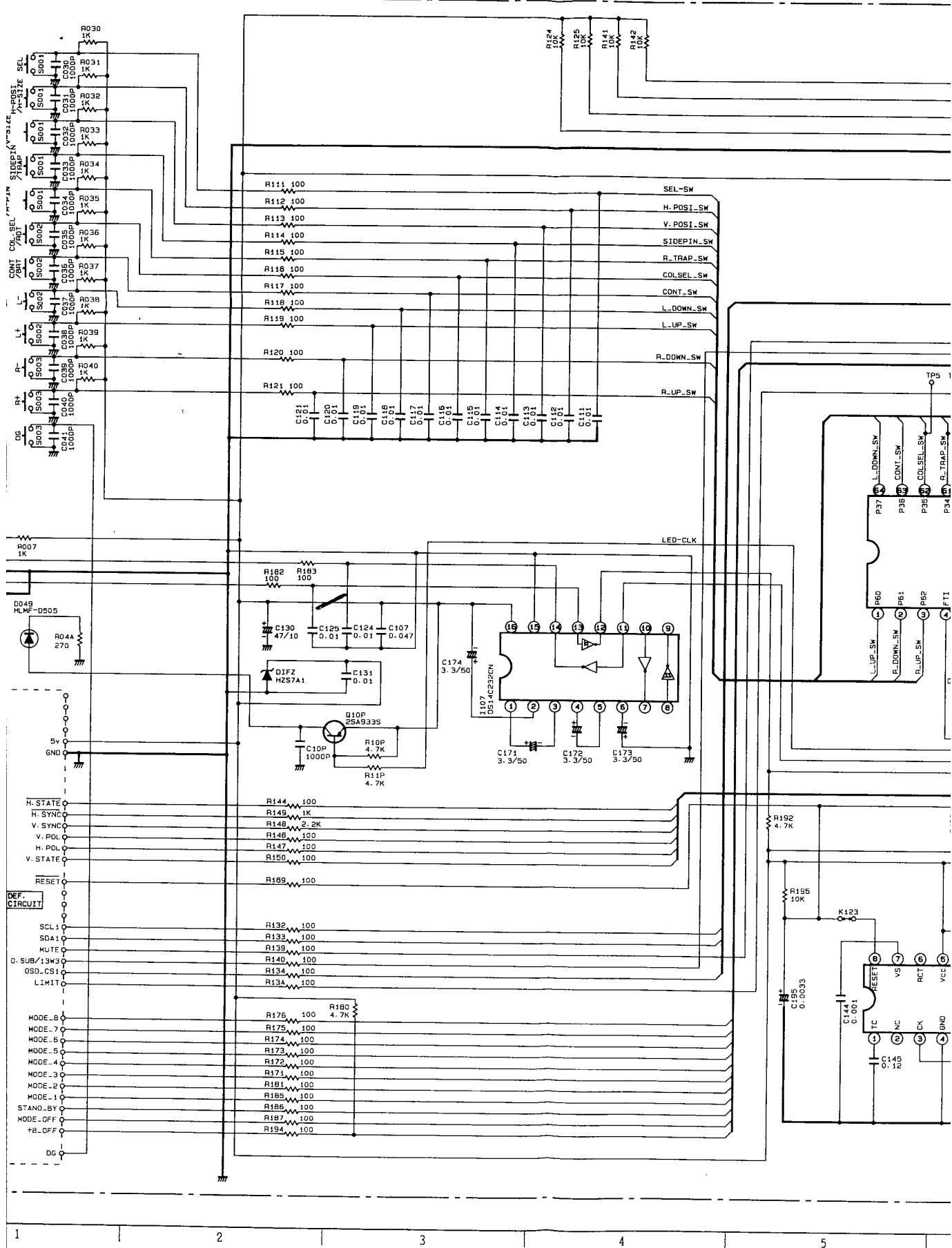
BASIC CIRCUIT DIAGRAM
Power Circuit





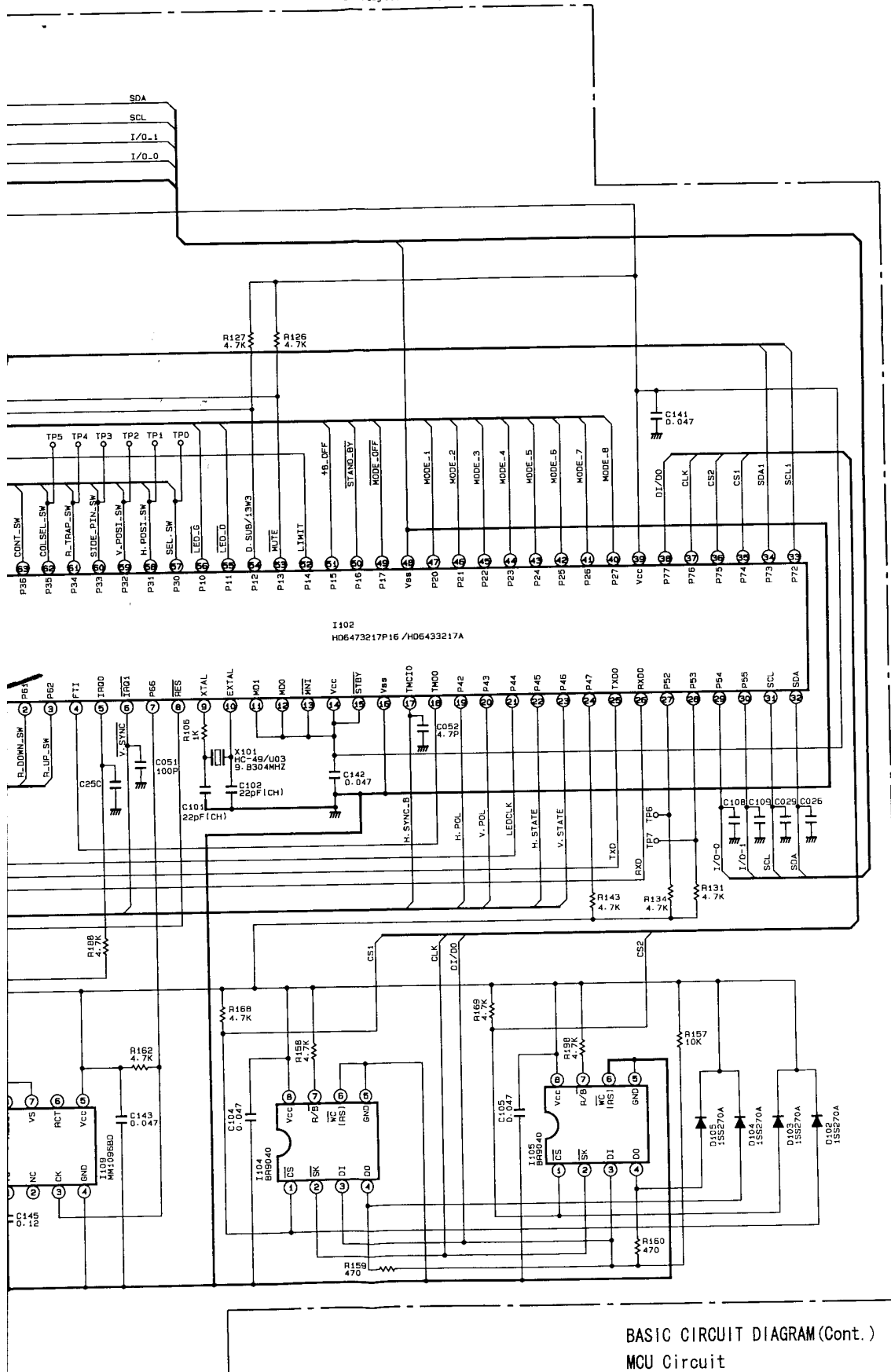
PRODUCT SAFETY NOTE Components marked with a Δ have special characteristics important to safety. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.





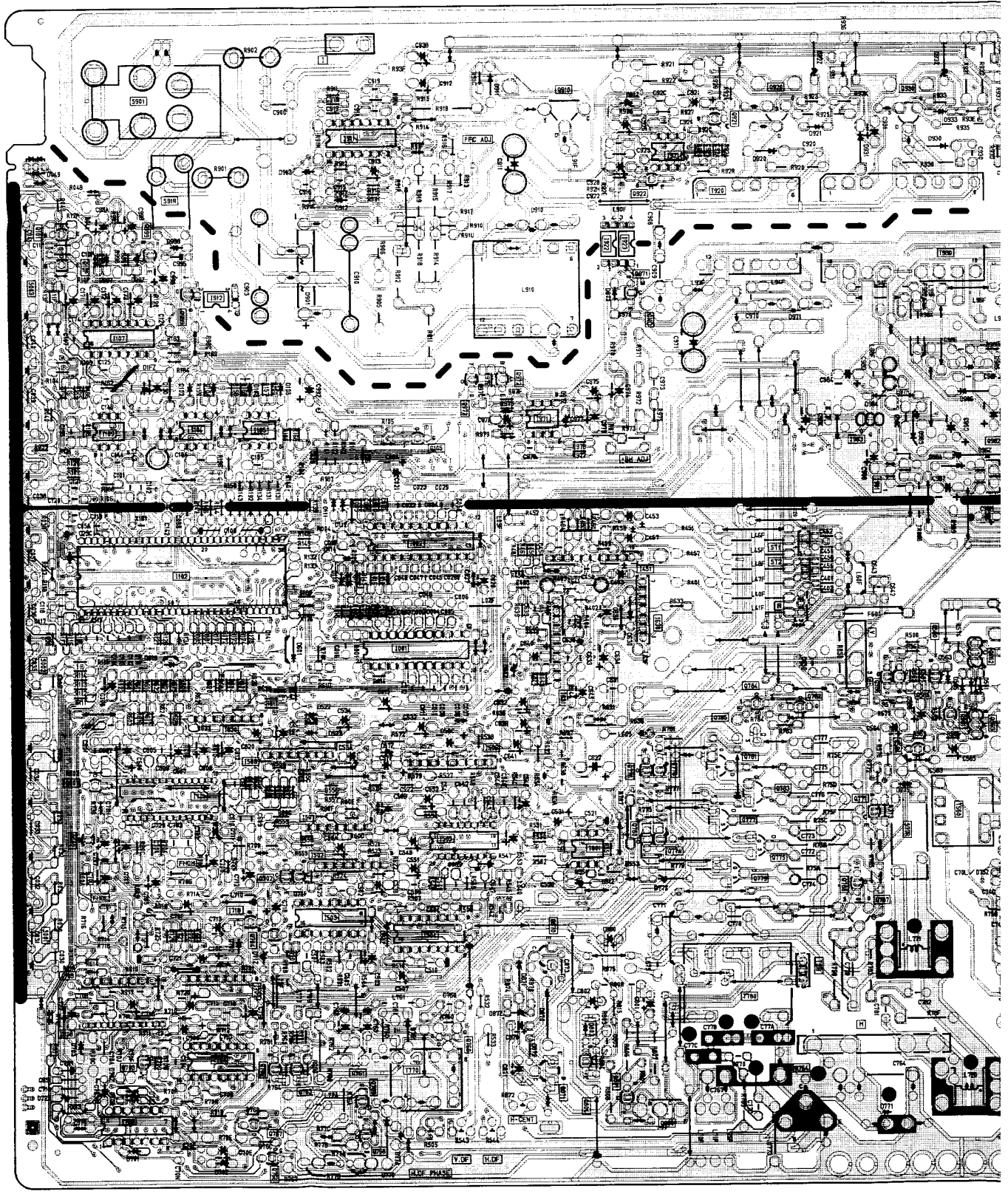
A horizontal number line with tick marks at every integer from 4 to 8. The numbers 4, 5, 6, 7, and 8 are written below the line.

PRODUCT SAFETY NOTE: Components marked with a Δ have special characteristics important to safety. Before replacing any of these components read carefully the PRODUCT SAFETY NOTICE of this Service Manual. Don't degrade the safety of the receiver through improper servicing.



ED WIRING BORD

MAIN P.W.B.



MAIN P.W.B.

