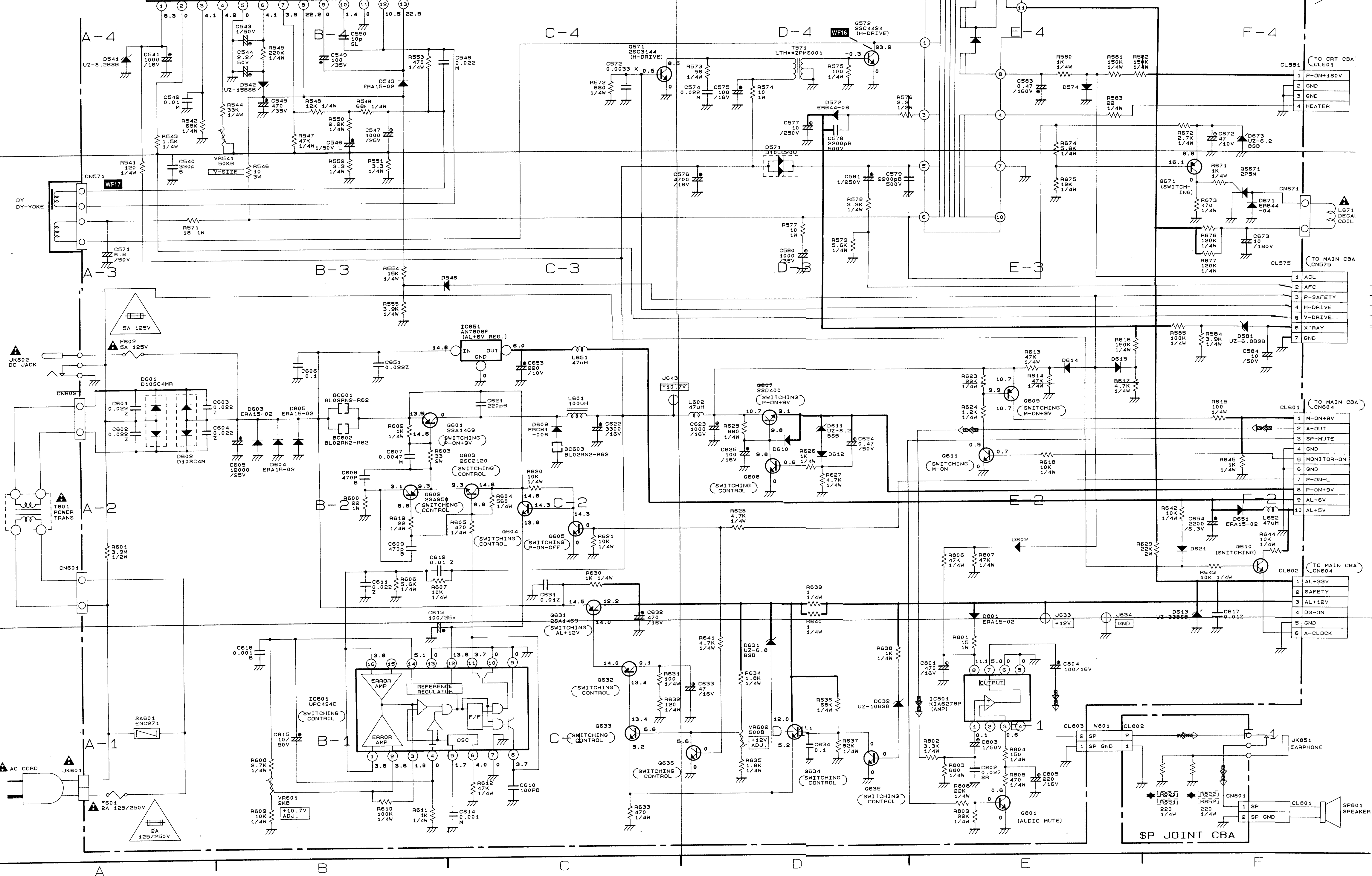


TC541 LA7837 (VERTICAL DEFLECTION CONTROL)

```

graph LR
    VTI[VERT. TRIG. INPUT] --> OSM[ONE SHOT MULT.]
    VTI --> RG[RAMP GENERATOR]
    OSM --> RG
    RG --> VSCSW[VERT. SIZE CONTROL SW]
    RG --> VD[VERT. DRIVE]
    RG --> TP[THERMAL PROTECTION]
    VSCSW --> VD
    VD --> VQUT[VERT. QUT.]
    PU[PUMP UP] --> VQUT
    TP --> VQUT
  
```

\*UNLESS OTHERWISE SPECIFIED:  
DIODES ARE 1N4148M, 1SS254, 1SS133, GMB01-BT OR 1SS175.  
NPN TRANSISTORS ARE KTC3199 (GR), KTC3198 (GR), 2SC333A (T, U) OR 2SC1815.  
PNP TRANSISTORS ARE KTA1267 (GR), KTA1266 (GR), 2SA131B (T, U) OR 2SA1015 (GR)





PB-AUDIO SIGNAL

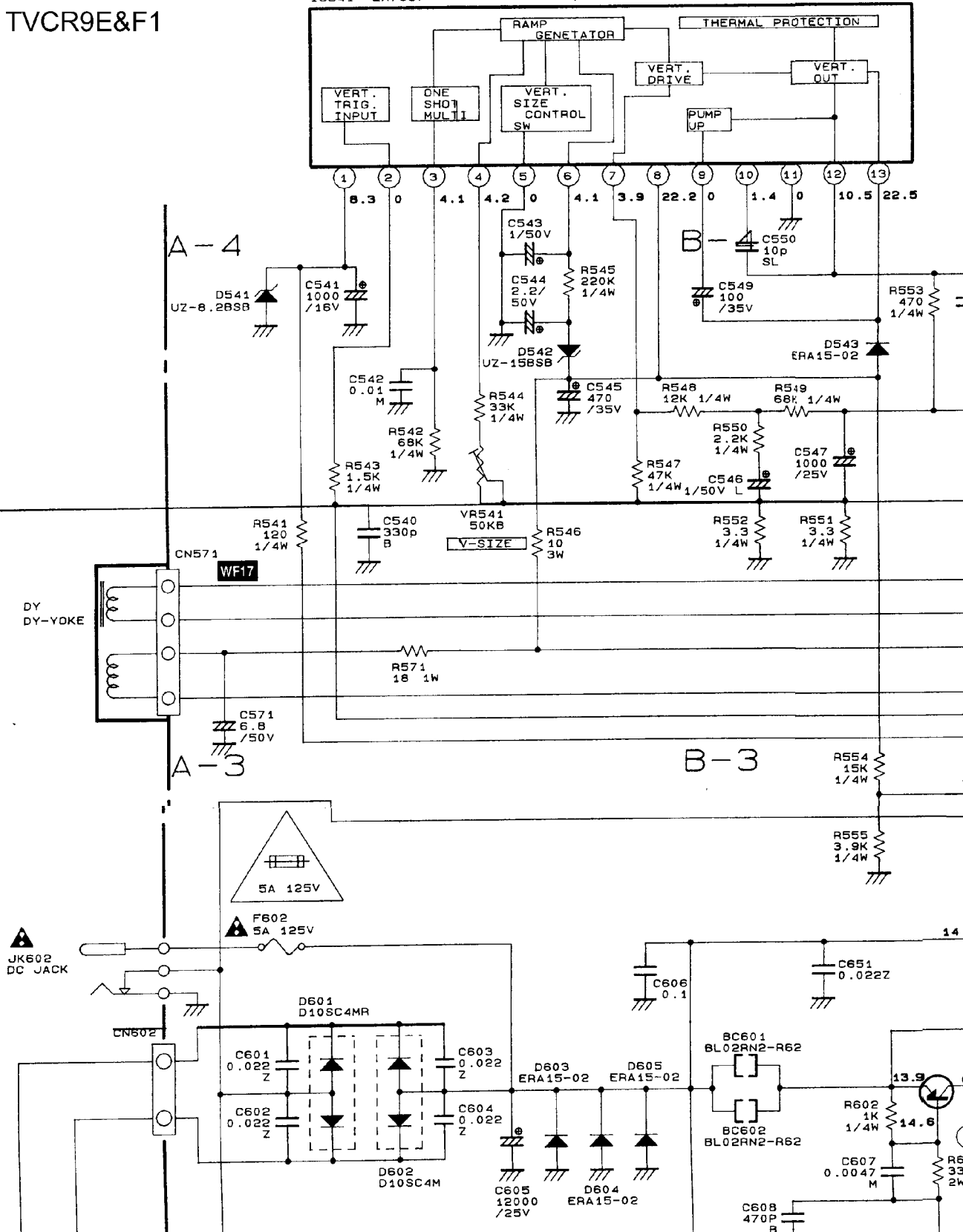


REC-AUDIO SIGNAL

TVCR9E&amp;F1

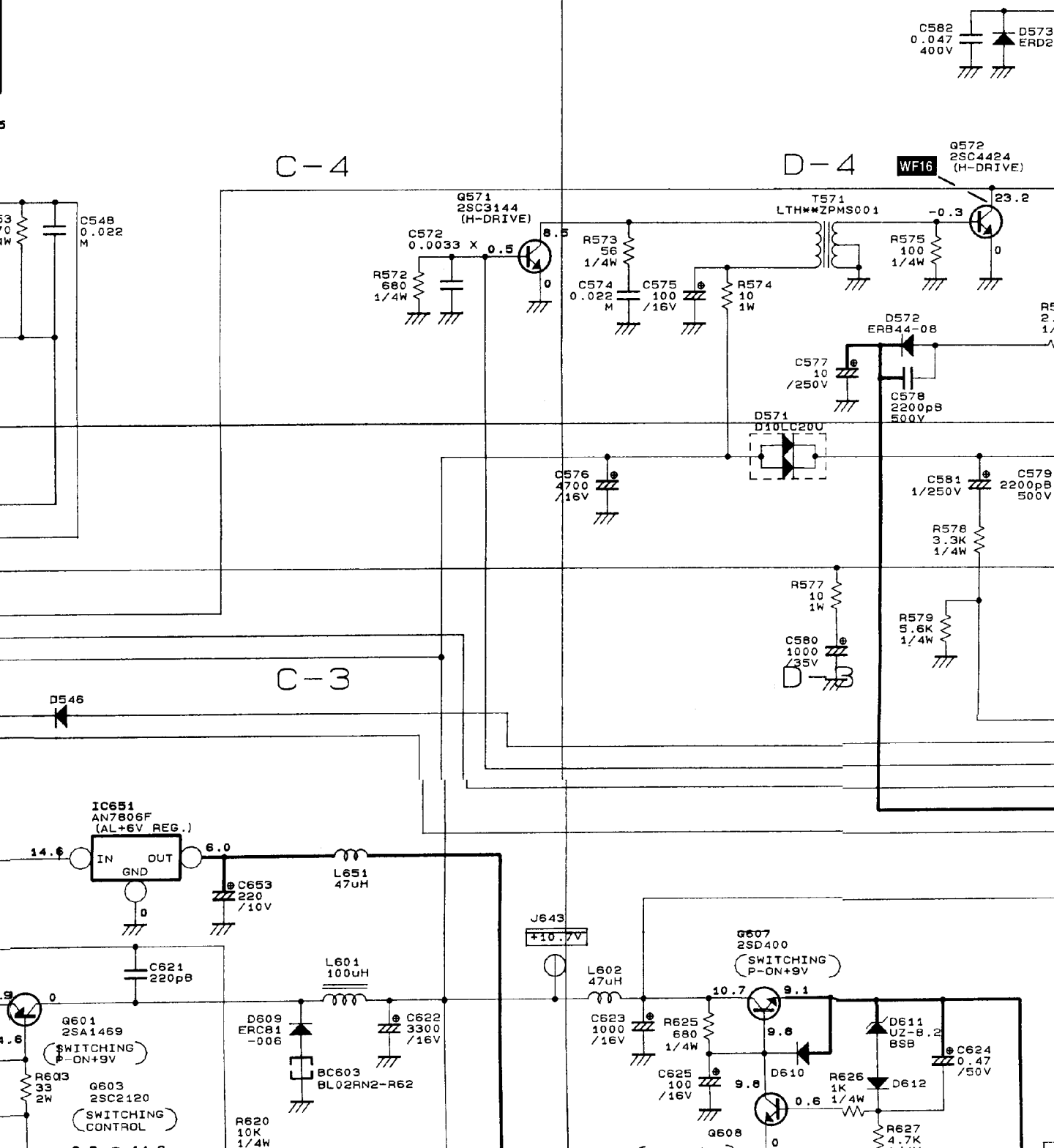
IC541 LA7837

(VERTICAL DEFLECTION CONTROL)



UNLESS OTHERWISE SPECIFIED:

DIODES ARE 1N4148M, 1SS254, 1SS133, GMB01-BT OR 1SS175.  
NPN TRANSISTORS ARE KTC3199 (GR), KTC3198 (GR), 2SC3331 (T, U) OR 2SC1815.  
PNP TRANSISTORS ARE KTA1267 (GR), KTA1266 (GR), 2SA1318 (T, U) OR 2SA1015 (GR).



**Power Supply Section Schematic**

**Transformer Taps:** 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

**Resistors:** R576 (2.2K 1/2W), R580 (1K 1/4W), R581 (150K 1/4W), R582 (150K 1/4W), R583 (22 1/4W), R672 (2.7K 1/4W), R674 (5.6K 1/4W), R675 (12K 1/4W), R676 (120K 1/4W), R677 (120K 1/4W), R613 (47K 1/4W), R614 (47K 1/4W), R616 (150K 1/4W), R617 (4.7K 1/4W), R618 (10K 1/4W), R623 (22K 1/4W), R624 (1.2K 1/4W), R615 (100 1/4W), R645 (1K 1/4W).

**Capacitors:** C583 (0.47 160V), C672 (47 10V), C673 (10 180V).

**Diodes:** D574, D673 (UZ-6.2 6SB), D671 (ERB44 -04), D614, D615, D581 (UZ-6.8BSB), D611.

**Vacuum Tubes:** 6X4, 6AR5, 6X4, 6AR5.

**Connections:** TO CRT (ANODE, FOCUS, SCREEN), TO CRT CBA (CL501), TO MAIN CBA (CN575, CN604).

**Switching:** Q671 (SWITCHING), Q609 (SWITCHING M-ON+9V), Q611 (SWITCHING M-ON).

**Coil:** L671 DEGA COIL.

**Pinouts:**

- CL501:** 1 P-ON+160V, 2 GND, 3 GND, 4 HEATER
- CN575:** 1 ACL, 2 AFC, 3 P-SAFETY, 4 H-DRIVE, 5 V-DRIVE, 6 X-RAY, 7 GND
- CN604:** 1 M-ON+9V, 2 A-OUT, 3 SP-MUTE, 4 GND, 5 MONITOR-ON, 6 GND, 7 P-ON-L

