



Technische Unterlage

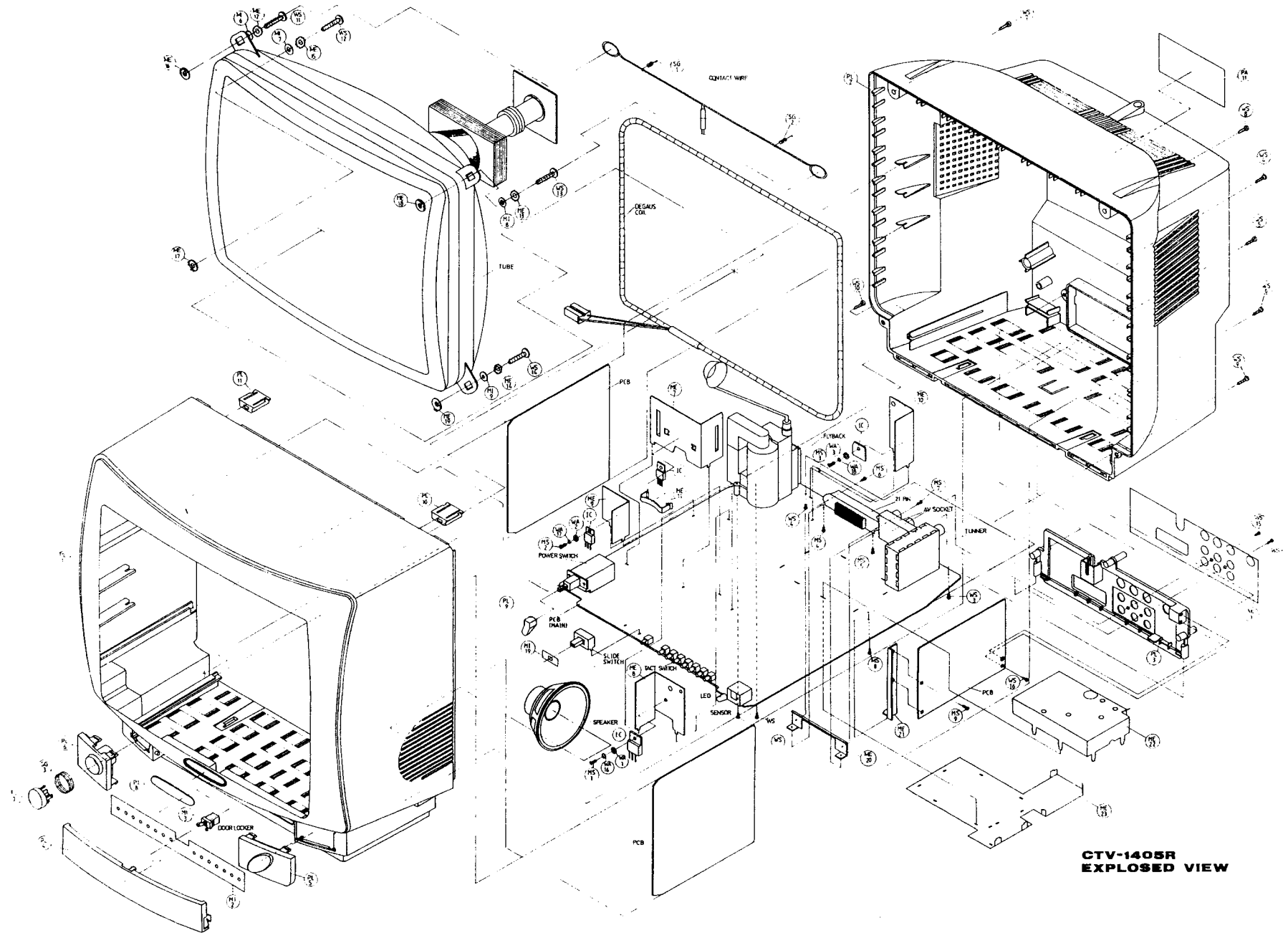
Best.-Nr.:

103.472 7

103.560 9

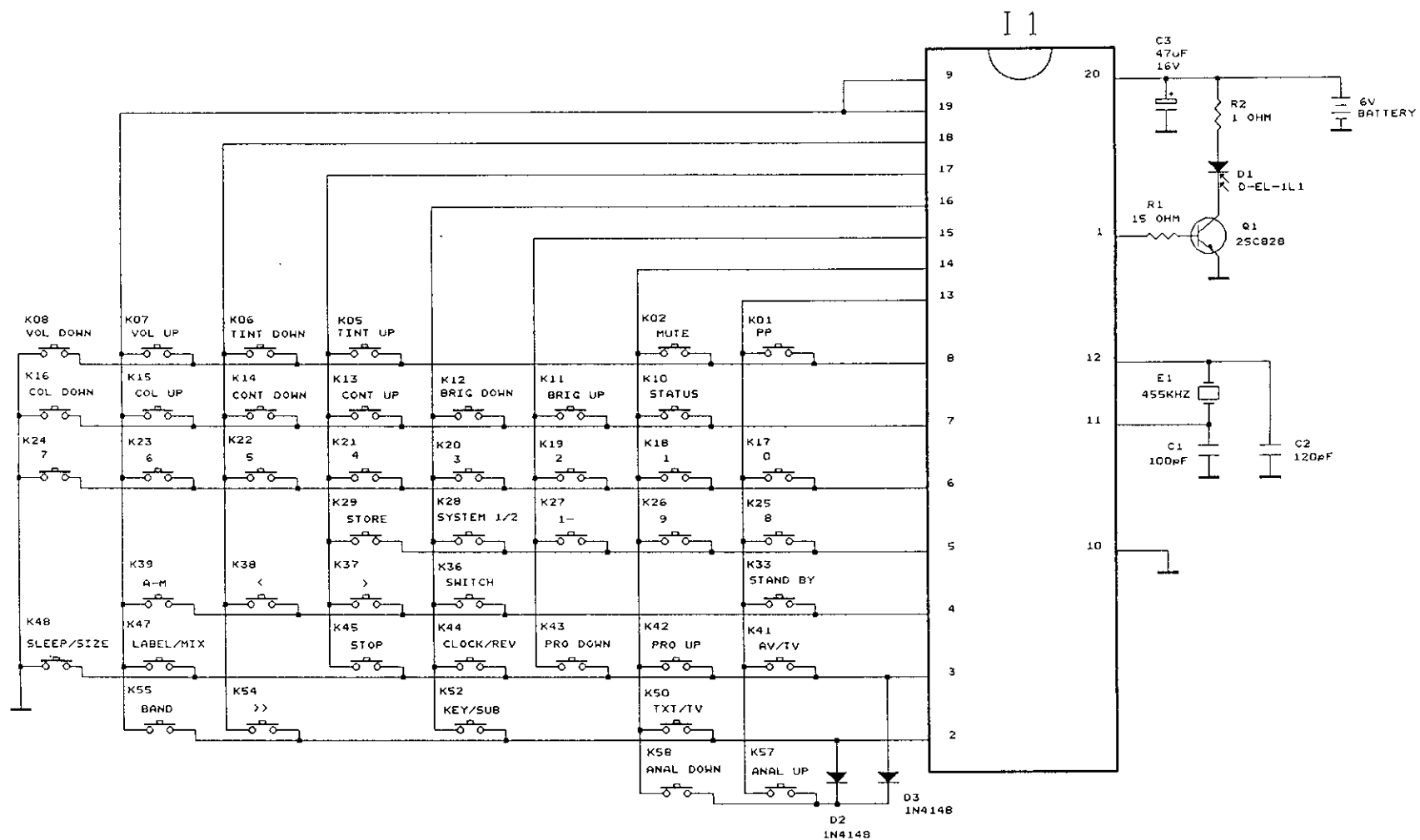
Schaltbild Leiterplatten:

CTV 1405 R

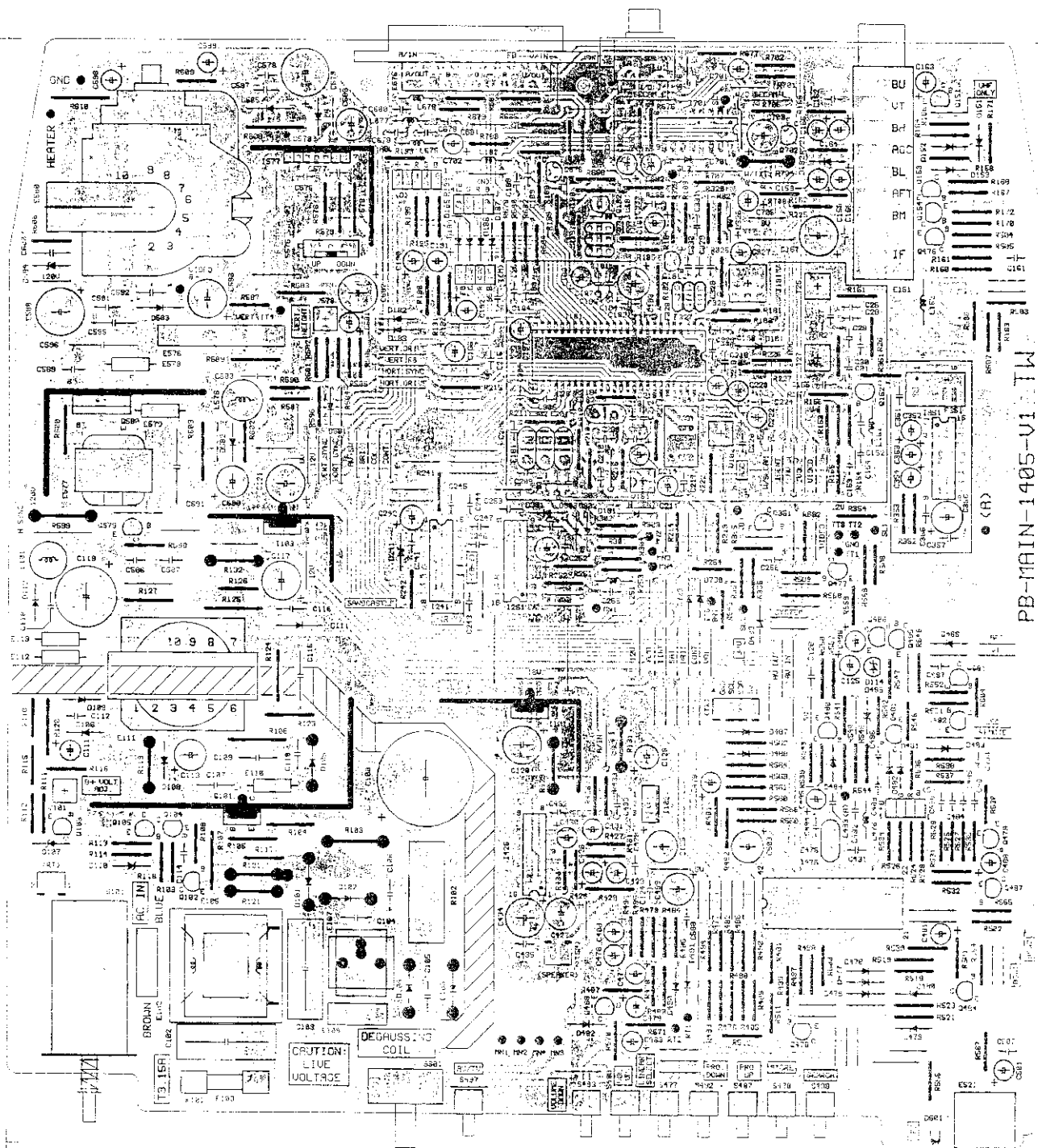


**CTV-1405R
EXPLODED VIEW**

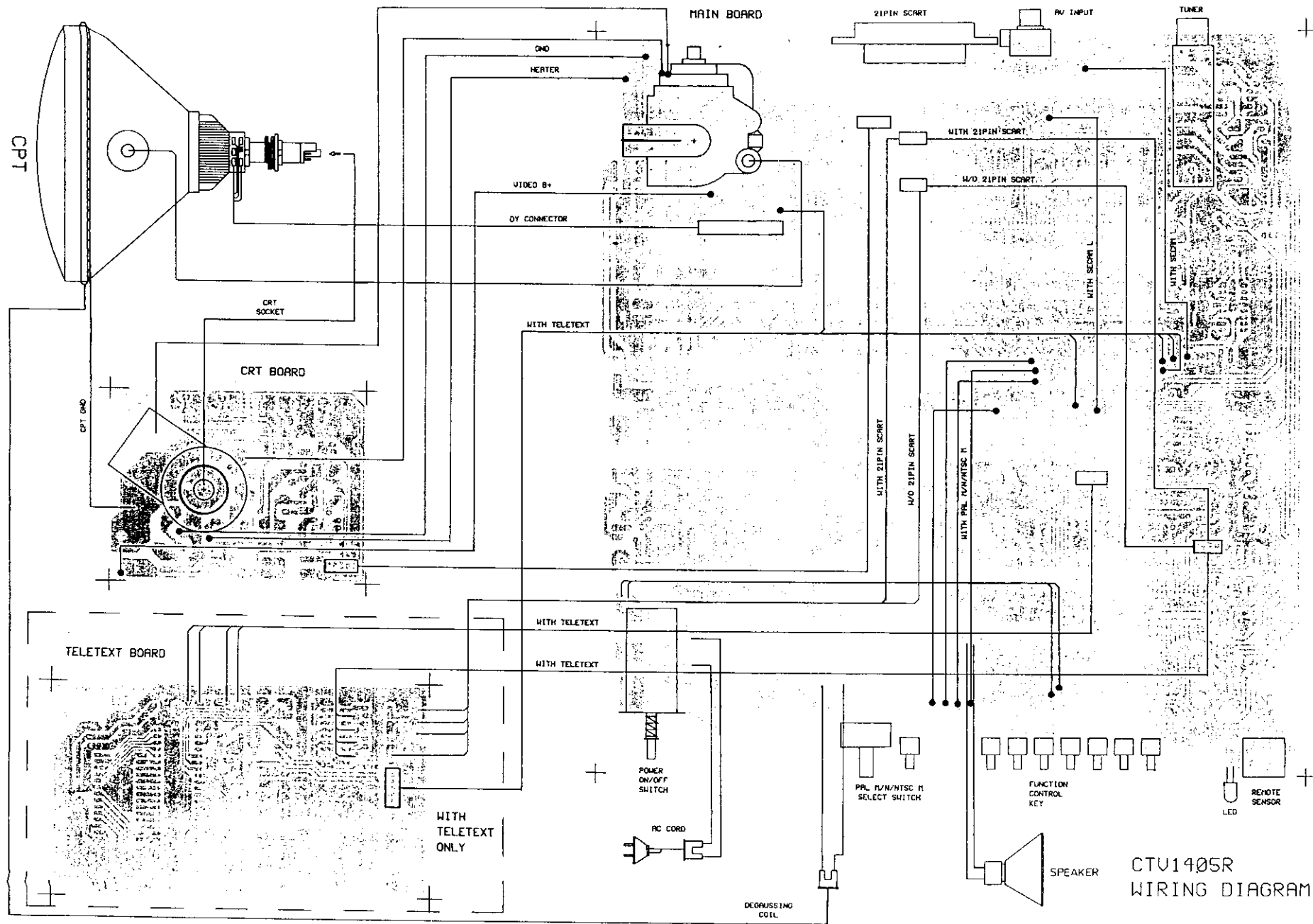
F HANDSET CIRCUIT (PB-HS-SGS)



COMPONENT SIDE



PB-MAIN-1405-V1:TW



CTU1405R
WIRING DIAGRAM

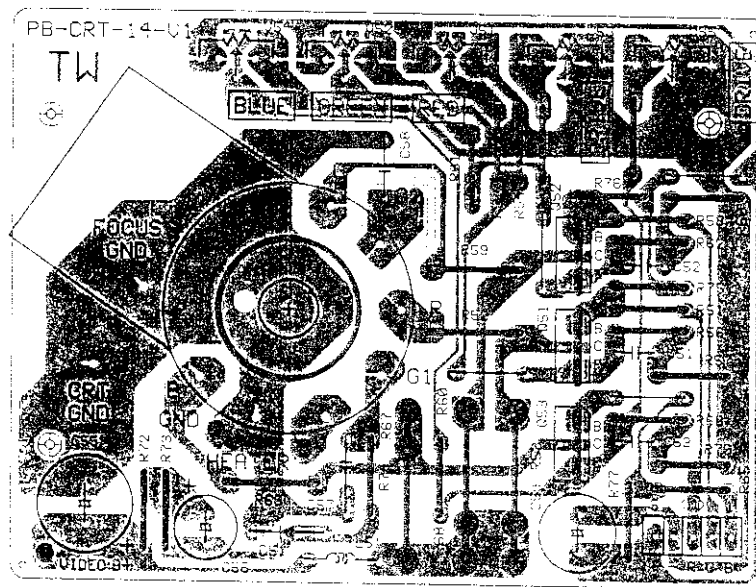
ALIGNMENT CONDITION :

1. Input signal strength 80dBu.
2. Power supply AC input 220V.

ALIGNMENT PROCEDURES :

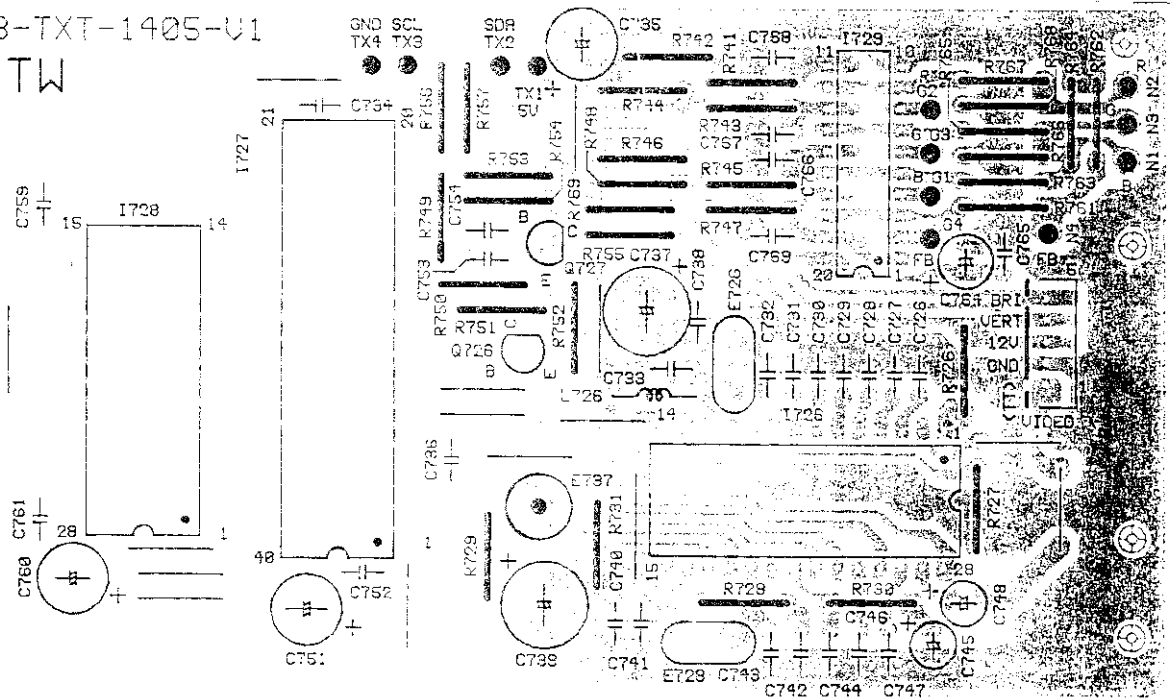
1. *AGC ALIGNMENT*
 - a) Receive the signal of VHF high channel.
 - b) Set the input signal strength in 60 ± 2 dB.
 - c) Adjust V182 to point where noise is disappeared.
 - d) Increase the input signal in 2dB and confirm AGC voltage.
2. *VERTICAL HEIGHT ADJUSTMENT*
 - a) Receive RETOMA pattern.
 - b) Adjust V576 to obtain a normal picture.
3. *HORIZONTAL CENTER ADJUSTMENT*
 - a) Receive REMOTA pattern.
 - b) Adjust V181 to obtain th normal picture.
4. *WHITE BALANCE ADJUSTMENT*
 - a) Receive a " GREY SCALE " pattern.
 - b) Turn the " CUT OFF " (VR51, VR52, VR54) and " DRIVE " (VR53, VR55) to middle position.
 - c) Set BRIGHTNESS, CONTRAST and COLOUR controls to minimum position.
 - d) Slowly turn the SCREEN control on the FBT to a position where just a vertical bar illuminates on the CPT.
 - e) The " CUT OFF " control volume which used to control the first color appeared on the vertical bar needs no further adjustment. Turn the rest of " CUT OFF " controls to achieve a " WHITE " raster. For example, if red color appears on the screen display, use the GREEN and BLUE " CUT OFF " controls to adjust the screen display until it becomes white.
 - f) Set BRIGHTNESS and CONTRAST controls to maximum position.
 - g) Adjust GREEN and BLUE " DRIVE " controls (VR53, VR55) to obtain a uniform " WHITE " raster.
 - h) Set BRIGHTNESS and CONTRAST controls to minimum position.
 - i) Repeat step 5 to step 7 one more time.
 - j) Check the BLACK and WHITE picture detail from proper BLACK and WHITE condition (no coloration) from low light to high light and all brightness for proper tracking.
Proper tracking at all brightness level can be obtained when the SCREEN control, " CUT OFF " controls and " DRIVE " controls are properly adjusted. If the results are unsatisfactory, repeat from the beginning.
5. *FOCUS ADJUSTMENT*
 - a) Set CONTRAST controls to maximum position and BRIGHTNESS controls to the middle position.
 - b) Adjust FOCUS controls on the FBT to obtain a sharpest and clearest picture on the CPT.

COMPONENT SIDE

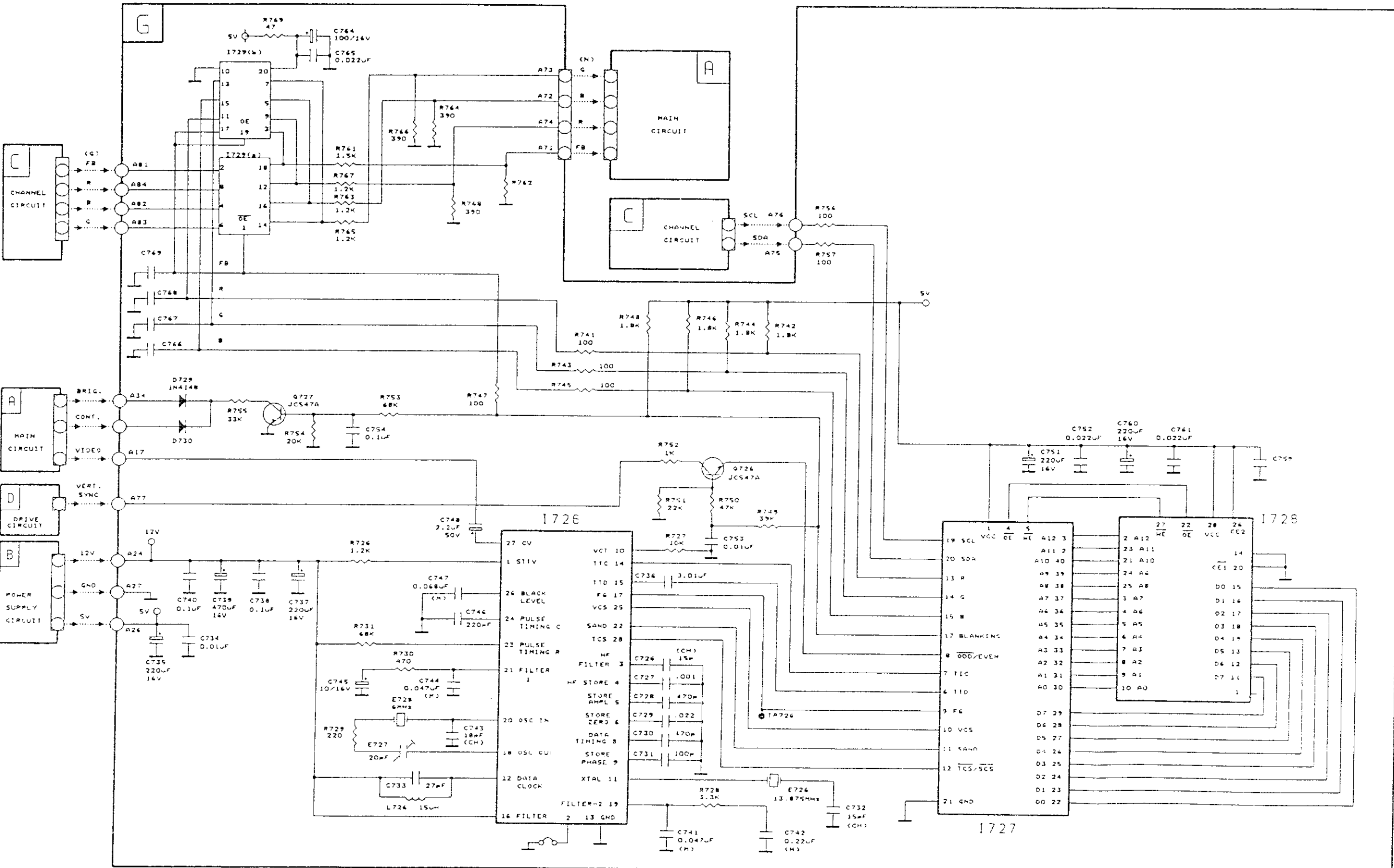


PB-TXT-1405-V1

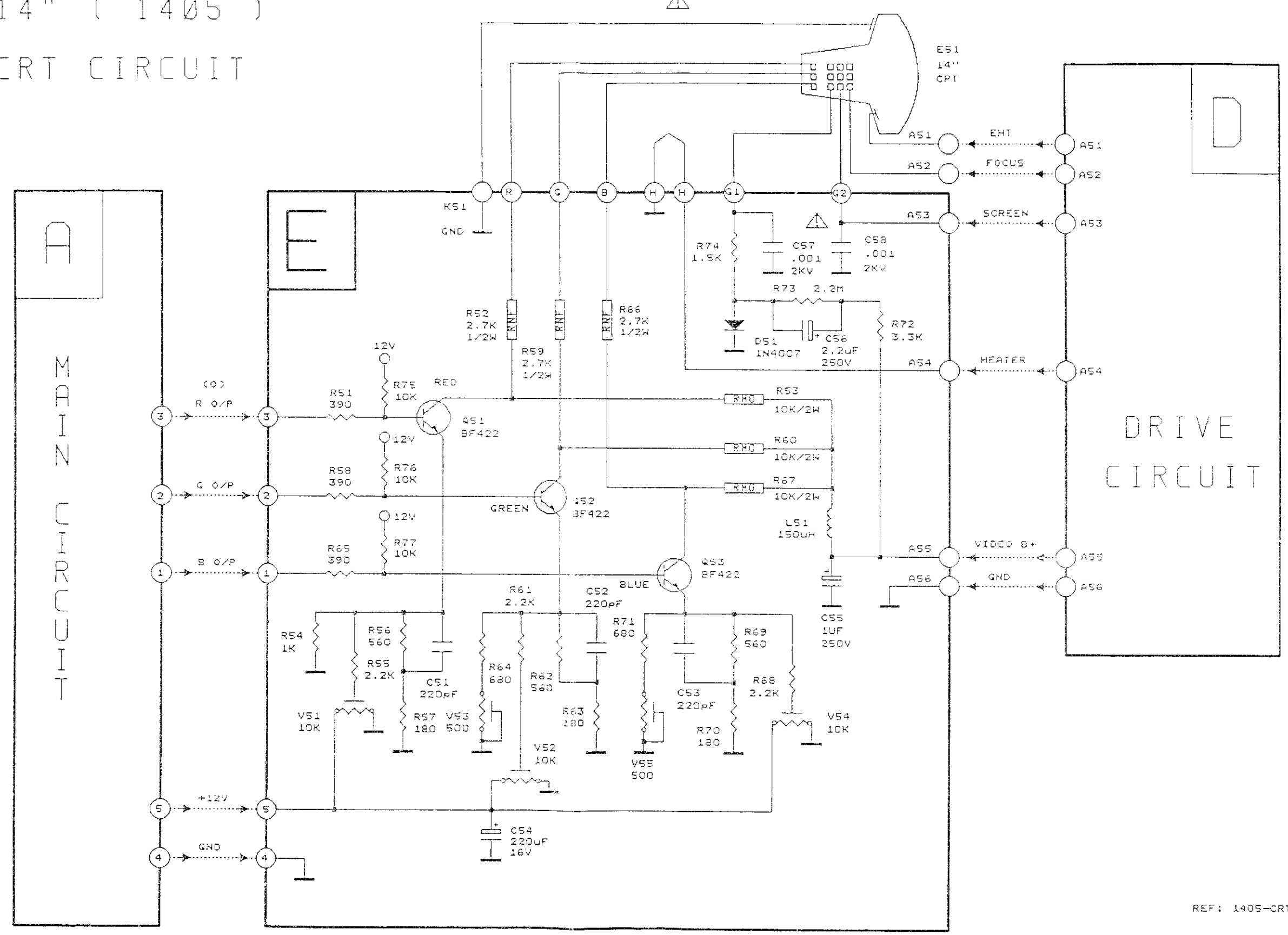
TW



14" (1405) TELETEXT CIRCUIT

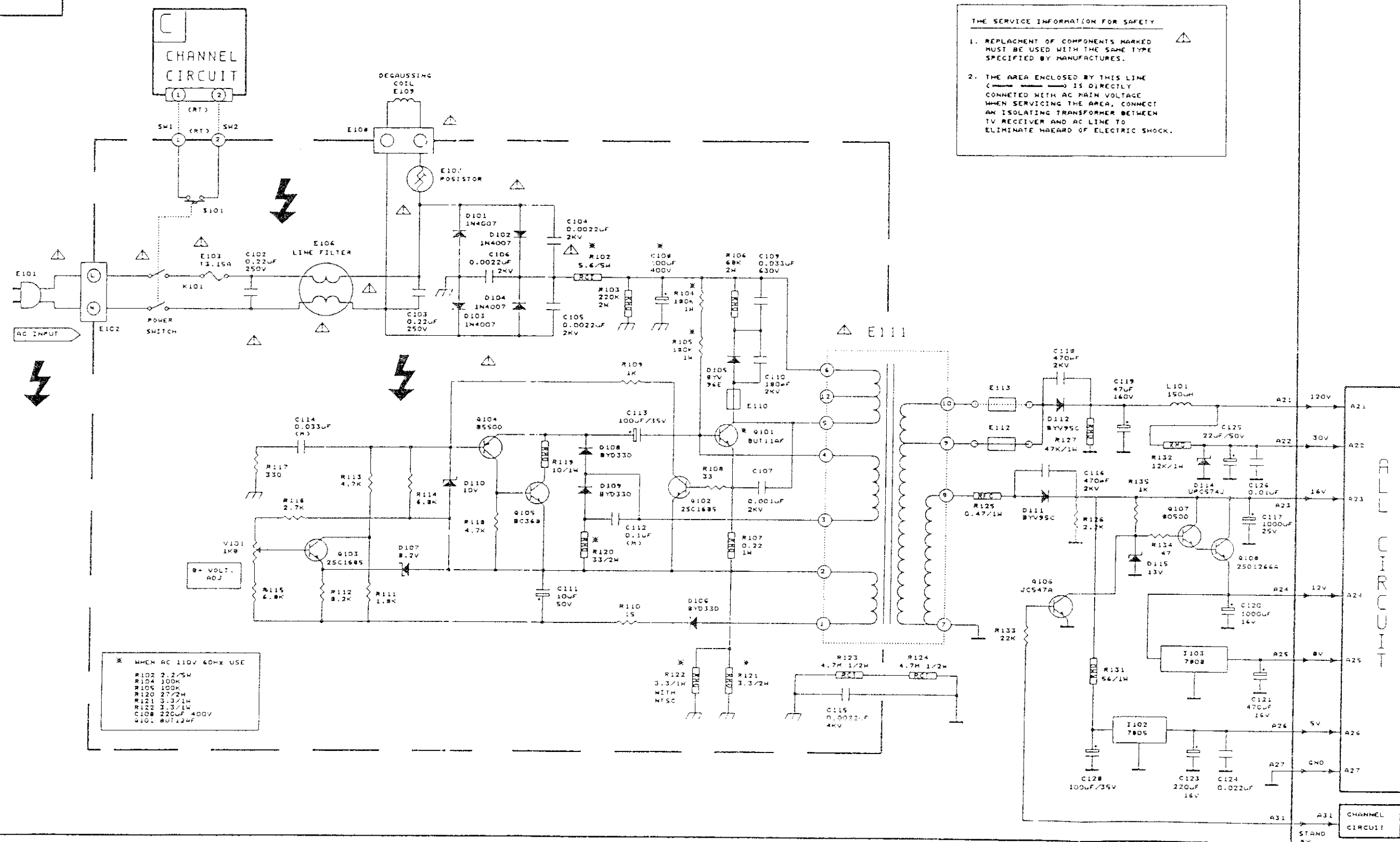


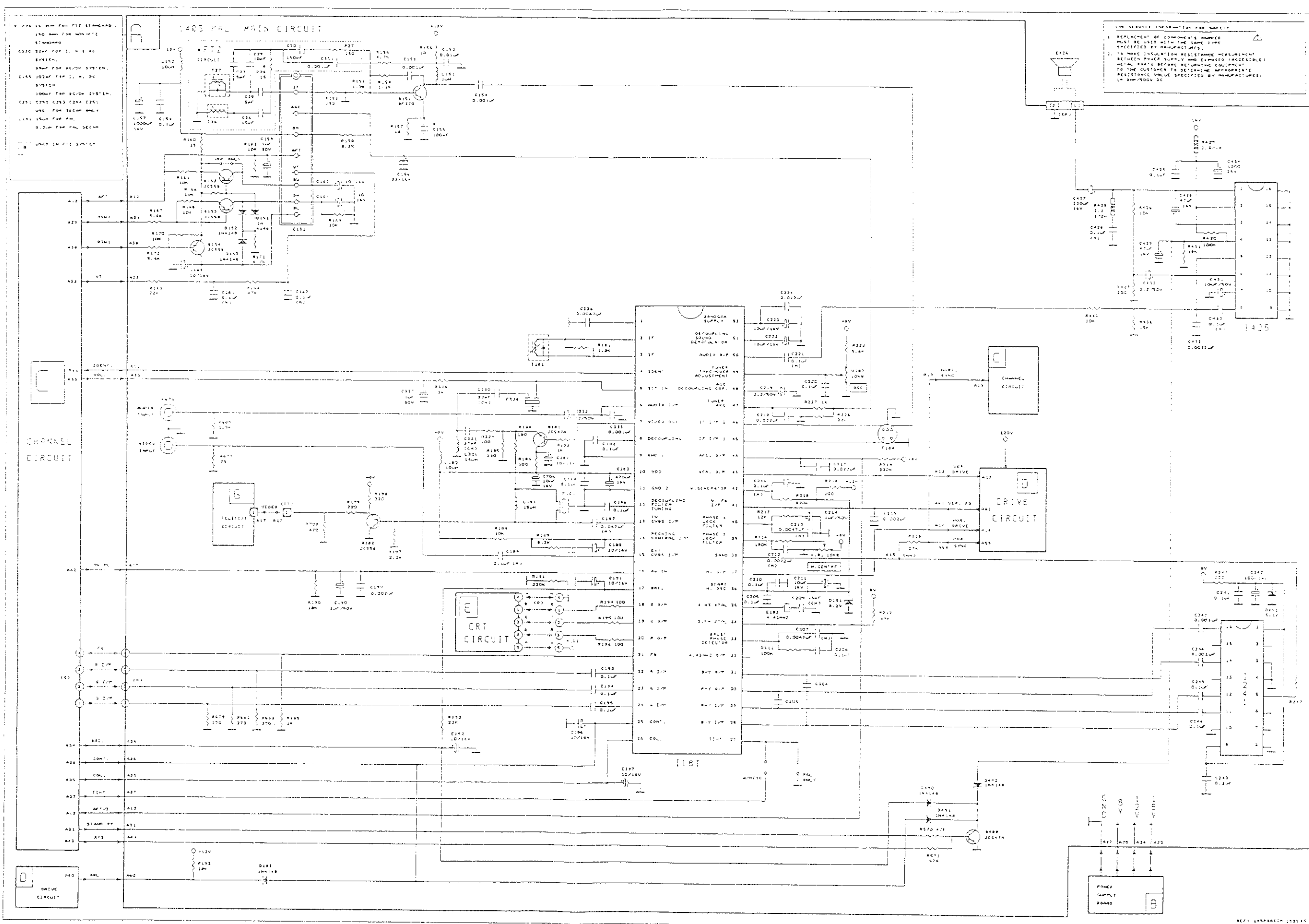
14" (1405) CRT CIRCUIT



B

1405 POWER SUPPLY CIRCUIT





THE SERVICE INFORMATION FOR SAFETY

1. REPLACEMENT OF COMPONENTS SHOWN MUST BE USED WITH THE SAME TYPE SPECIFIED BY MANUFACTURERS.
2. TO MAKE INSULATION RESISTANCE MEASUREMENT BETWEEN POWER SUPPLY AND EXPOSED ACCESSIBLE METAL PARTS BEFORE RETURNING EQUIPMENT TO THE CUSTOMER TO DETERMINE APPROPRIATE RESISTANCE VALUE SPECIFIED BY MANUFACTURERS: 1M OHM/100V DC

1405 DRIVE CIRCUIT

