

| SYMBOL NO. | DESCRIPTION | PART NO. | SYMBOL NO. | DESCRIPTION | PART NO. |
|--------------|---|------------------------------|--|---|---------------------------|
| | CAPACITORS Capacitors not shown on Parts List are Ceramic, Mylar and Electrolytic (Less than 50V). See schematic for Specific Values. | | | | |
| | PCB-1 | | | COILS AND TRANSFORMER | |
| | ELECTROLYTIC | | | PCB-1 | |
| C510 | 560MFd 200V | | B501,502,503, 504,505,506, 507 | Bead, Ferrite | BF07-3.5x5x1.3 0641-0050 |
| C521,523,531 | 1MFd 160V | | B701,702 | Bead, Ferrite | BF07-3.5x5x1.3 0641-0050 |
| C530 | 150MFd 160V | | L501 | Line Filter | FK0B160MH14 0390-0063 |
| C554 | 33MFd 250V | | L503 | Coil, Surge Suppressor | LAL04NA-1R0 0639-0450 |
| C737 | 33MFd 250V | | L606 | Coil, Peaking | EL0606R-820 0632-1458 |
| | POLYPROPYLENE | | L607,608 | Coil, Peaking | EL0606R-330 0632-1098 |
| C511 | 0.1MFd 125V | | L612 | Coil, 5.0 MHz Trap | LAL03NA-120 0632-0207 |
| C529 | 0.001MFd 1.6KV | | L701 | Coil, Phase Equalizer | FS0712-472K(1) 0632-0109 |
| C534 | 0.0033MFd or 0.0039MFd 1.6KV | | L702 | Coil, Choke | EL0606R-470 0632-1148 |
| C538 | 0.0068MFd 1.6KV | | L703 | Coil, H. Linearity | 1431MS 0639-0120 |
| C539 | 0.001MFd 1.6KV | | L750 | Coil, Peaking | LAL04NA101K 0607-0050 |
| C734 | 0.0068MFd 1.6KV | | T503 | Transformer, Power Source Drive | RB-20954K 0559-0041 |
| C735 | 0.0018MFd 1.6KV | | T504 | Transformer, Power Output | RB-20948 0550-0262 |
| C736 | 0.0082MFd 1.6KV | | T701 | Transformer, H. Drive | 1428MS 0552-0808 |
| C740 | 0.1MFd 200V | | T702 | Transformer, H. Output | FB-181K 0556-0815 |
| | TANTALUM | | | PCB-2 | |
| C114 | 3.3MFd 35V | | L610 | Coil, Choke | EL0606SK-101 0632-0068 |
| C115 | 0.68MFd 35V | | | PCB-3 | |
| C632 | 1MFd 25V | | L401 | Coil, 4.5MHz Trap | EL0606SK-330 0632-0098 |
| C634,635 | 4.7MFd 16V | | L601 | Coil, Link | EL0606SK-R39 0632-0511 |
| C637,638 | 0.22MFd 16V | | L602 | Coil, Peaking | EL0606SK-1R0 0632-0338 |
| C640 | 0.1MFd 16V | | L603,604 | Coil, Peaking | EL0606SK-150 0632-0358 |
| C711 | 1MFd 25V | | L605 | Coil, 4.5MHz IF | 16095AMM 0602-2853 |
| C720 | 2.2MFd 16V | | T601 | Coil, AFC | 16061MM 0602-2683 |
| | OTHERS | | T602 | Coil, Video Detector | 16093AMM 0602-2833 |
| TC601 | Trimmer, APC Adjustment | | | PCB-4 | |
| C713 | 0.15MFd 16V Alumi Solid | | L101 | Balun, 300 ohm/75 ohm | FKMA-140PB42 0640-0010 |
| | PCB-2 | | | MISCELLANEOUS | |
| | TANTALUM | | F1 | PCB-1 | |
| C129 | 10MFd 50V | | | Fuse, 4A 125V | |
| | CONTROLS | | | PCB-3 | |
| | PCB-1 | | J401 | Tuner, VHF/UHF/SB/HB | ED 3522 0440-0031 |
| VR101 | 10K ohm, +10%, Auto Scan Level | TM8KV2-1SB10K 0225-1035 | | PCB-5 | |
| VR102 | 10K ohm, SD Level | EVN-K0AA00B14 0223-1030 | | Jack, Earphone (w/Nut) | HSJ0820-01-010 0802-0015 |
| VR602 | 500 ohm, Sub Contrast | EVN-52JA00B52 0223-5017 | | CHASSIS MISCELLANEOUS | |
| VR603 | 10K ohm, Contrast | EVB-OTAF25B14 0223-5017 | L502 | Coil, Degaussing (Inc. J2) | 0639-0095 |
| VR604 | 10K ohm, Auto Color Level | EVN-52JA00B14 0223-1037 | L704 | Coil, Deflection Yoke Ass'y (Inc. J3) | DY-159 0650-0590 |
| VR605 | 10K ohm, Color | EVB-OTAF25B14 0201-1517 | J101 | Jack, CATV 75 ohm (w/Nut and Washer) | HXCO-225-01-010 0810-0002 |
| VR606 | 10K ohm, Auto Tint Level | EVN-52JA00B14 0223-1037 | - | Earphone | |
| VR607 | 10K ohm, Tint | EVB-OTAF25B14 0201-1517 | V 1 | Picture Tube | 370KSB22 |
| VR608 | 10K ohm, Brightness | EVB-OTAF25B14 0201-1517 | - | Remote Control Receiver Ass'y (Inc. J1) | EUR3619 1810-0360 |
| VR609 | 50K ohm, Sub Brightness | EVN-52JA00B54 0223-5037 | - | Remote Control Transmitter Ass'y | EUR5358A 1830-0020 |
| VR702 | 2K ohm, Sub H. Hold | EVN-52JA00B23 0223-2027 | SP1 | Speaker | EAS8P79GC 1101-0082 |
| VR703 | 20K ohm, V. Hold | EVB-8TAS25B24 0201-1516 | SW501 | Switch, Main Power | ESB-90134T 0701-1390 |
| VR704 | 1K ohm, V. Size | EVN-52JA00B13 0223-1027 | | AC Line Cord (Polarized) | 1301-0028 |
| | PCB-2 | | T501 | Transformer, Stand-by | RB-20890K 0501-1121 |
| VR610 | 2M ohm, Master Screen | EVM-J6U10KB26 0201-1300 | T502 | Transformer, Isolation | RB-20949K 0559-0051 |
| VR611 | 500 ohm, Red Drive | RVA0911H304-1-501M 0224-5110 | SW101 thru 108, 601,602 | Switch Ass'y, Multi. Function | SUYU1A 0705A7000 |
| VR612 | 500 ohm, Blue Drive | RVA0911H304-3-501M 0224-5310 | | SEMICONDUCTORS | |
| VR613 | 5K ohm, Green Bias | RVA0911H304-2-502M 0224-5220 | | PCB-1 | |
| VR614 | 5K ohm, Red Bias | RVA0911H304-1-502M 0224-5120 | D105,108,109, 110,111,112, 113,114,115, 116,117,120, 121,122 | GMA01 Diode, Protector | |
| VR615 | 5K ohm, Blue Bias | RVA0911H304-3-502M 0224-5320 | D156 | 100-1 Diode, Surge Absorber | |
| | PCB-3 | | D501,502,503, 504 | 100-1 Diode, Bridge Rectifier | |
| VR601 | 10K ohm, RF AGC | EVN-52JA00B14 0223-1037 | D505 | VD1220 Diode, Biasing | |

| SYMBOL NO. | DESCRIPTION | PART NO. |
|----------------------|-----------------------------|--|
| D506 | RD-11EB | Diode, Zener (11V) |
| D507 | MI-15MS | Diode, 1/2 Bridge Rectifier |
| D508 | MI-15MR | Diode, 1/2 Bridge Rectifier |
| D509 | RD-6.2EB | Diode, Zener (6.2V) |
| D510 | DFA05G | Diode, -25V Rectifier |
| D511 | DFA05G | Diode, +15V Rectifier |
| D512 | DFA05G | Diode, +15V Rectifier |
| D513 | DFA05G | Diode, +25V Rectifier |
| D514 | TVR-06K | Diode, +105V Rectifier |
| D515 | DFA05G | Diode, Feedback Voltage |
| D601,602,603, 604 | GMA01 | Diode, Protector |
| D701 | GMA01 | Diode, Burst Clipper |
| D702 | GMA01 | Diode, Protector |
| D703 | RD-11EB | Diode, Zener (11V) |
| D704 | 10D-2 | Diode, Hold Down Volt Rectifier |
| D705 | DFA05G | Diode, Protector |
| D706 | RD-5.1EB | Diode, Zener (5.1V) |
| D707 | RC-2 | Diode, +1KV Rectifier |
| D711 | GMA01 | Diode, Protector |
| D712 | DFA05G | Diode, +200V Rectifier |
| Q112 | 2SK104 | Transistor, Tuning Voltage Buffer |
| Q113,114 | 2SC536K(F) or JC501(P,Q) | Transistor, Tuning Voltage Buffer |
| Q115 | 2SC536K(F) or JC501(P,Q) | Transistor, Sync. Amp. |
| Q116,117,118, 119 | 2SC536K(F) or JC501(P,Q) | Transistor, Channel, Display Switching |
| Q120 | 2SC536K(F) or JC501(P,Q) | Transistor, Muting Switching |
| Q121 | 2S471 | Transistor, Relay Driver |
| Q122 | 2SC536K(F) or JC501(P,Q) | Transistor, SD Signal Detector |
| Q501 | 2SC1096 | Transistor, +12V Regulator |
| Q502 | 2SC1507 | Transistor, Power Source Driver, TV |
| Q503 | 2SD904 | Transistor, Power Source Output, TV |
| Q606 | 2SC536K(F) or JC501(P,Q) | Transistor, 2nd VIF Buffer |
| Q607 | 2SC536K(F) or JC501(P,Q) | Transistor, 1st VIF Amp. |
| Q608 | 2SC536K(F) or JC501(P,Q) | Transistor, 2nd VIF Amp. |
| Q701 | 2SC1756 | Transistor, H. Driver |
| Q702 | 2SD904 or 2SD904P | Transistor, H. Output |
| Q703 | 2SC536K(F) or JC501(P,Q) | Transistor, Sync. Buffer |
| IC101 | μPD1705C-016 | I.C., Micro Computer |
| IC102 | μPC339C | I.C., Comparator |
| IC103 | μPA56C | I.C., Display Driver |
| IC501 | μPC78L05 | I.C., +5V Regulator |
| IC502 | μPC1394C | I.C., +105V Regulator |
| IC503 | L5630 | I.C., +30V Regulator |
| IC602 | μPC1371C | I.C., Video & Chroma Processor |
| IC701 | LA7800 | I.C., Sync. X-Ray Protector & Defl. Processor |
| IC702 | μPC1378H | I.C., Vertical Output |
| X101 | J241313 | Crystal, 4.5MHz |
| X601 | J241310 | Crystal, 3.58MHz |
| D605,606,607 | PCB-2 GMA01 | Diode, Limiter |
| Q609 | 2SC2621(D) | Transistor, Red Output |
| Q610 | 2SC2621(D) | Transistor, Green Output |
| Q611 | 2SC2621(D) | Transistor, Blue Output |
| D401,402 | PCB-3 RD-6.2EB | Diode, Zener (6.2V) |
| Q601 | 2SC388A | Transistor, VIF Amp. |
| Q602 | 2SC536K(F) or JC501(P,Q) | Transistor, Video Amp. |
| Q603 | 2SC536K(F) or JC501(P,Q) | Transistor, Sync. Buffer |
| Q604 | 2SC536K(F) or JC501(P,Q) | Transistor, VIF Switching |
| Q605 | 2SC536K(F) or JC501(P,Q) | Transistor, 1st VIF Buffer |
| IC401 | μPC575C2 | I.C., Audio Output |
| IC402 | μPC1382C | I.C., Sound IF & Audio Amp. |
| IC601 | TA7607AP | I.C., AGC, AFT, VIF & Pre-Amp. |

PARTS LIST
MODEL TMK 1433RC

The SHADED AREAS on this parts list denotes "CRITICAL COMPONENTS".

| SYMBOL NO. | DESCRIPTION | PART NO. |
|------------|---|------------|
| | CABINET PARTS | |
| 101 | Cabinet Front Ass'y | |
| 102 | Knob, Control (4 pcs.) | 7300-2262 |
| 103 | Push, Button, Main Power Switch | 7300-2607 |
| 116 | Push Button, Function (10 pcs.) | 735JPF0030 |
| 117 | Bracket, Multiple Switch Mtg. | 761TSA0022 |
| 127 | Antenna Jack Plate Ass'y | 7700A1059 |
| 128 | Pipe, Antenna | 7800-6065 |
| 129 | Pin, Antenna | 7800-6066 |
| 130 | Cabinet Back Ass'y | 7000A2572 |
| 131 | Holder, Handle (2 pcs.) | 7800-5474 |
| 133 | Handle | 7300-2212 |
| 134 | Holder, Rod Antenna | 7800-5067 |
| 136 | Remote Control, Receiver (EUR3619) | 1810-0360 |
| 138 | Purity & Convergence Magnet Ass'y (CM-0080) | 1609-0520 |
| 141 | Antenna (VHF), Rod Antenna (T-2155) | 1200-0360 |
| 142 | Antenna (UHF), Loop (6201YS) | 1210-0310 |
| 143 | Audio/Video Jack Panel Ass'y | |

RESISTORS

Resistors not shown on this parts list are Carbon, 1/4W or 1/8W. See schematic for Specific Values.

| PCB-1 | Value | ohm | W | Material |
|--------------|-------|-----|------|------------------|
| R501 | 6.8 | ohm | 2W | Metal Oxide Film |
| R502 | 22K | " | 2W | " |
| R503 | 820K | " | 1/2W | Carbon |
| R504 | 2.7 | " | 5W | Metal Oxide Film |
| TH501 | | | | Thermistor, PTC |
| R648 | 10 | ohm | 1/2W | Fuse |
| R706 | 5.6 | " | 1/2W | " |
| R707 | 6.8K | " | 2W | Metal Oxide Film |
| R735 | 1.2K | " | 2W | " |
| R740 | 2.2 | " | 1W | Fuse |
| R743 | 3.3K | " | 1W | Metal Oxide Film |
| R746 | 15 | " | 5W | Cement |
| R747 | 2.2 | " | 2W | Fuse |
| | | | | PCB-2 |
| R671,673 | 100K | ohm | 1/2W | Carbon Film |
| R672 | 1M | " | 1/2W | " |
| R674,678,679 | 2.7K | " | 1/2W | " |
| R675,676,677 | 15K | " | 1W | Metal Oxide Film |
| | | | | PCB-3 |
| R145 | 56 | ohm | 1/4W | Fuse |
| R401 | 10 | " | 1/2W | " |
| R406 | 10 | " | 1/4W | " |
| R621,632 | 10 | " | 1/4W | " |
| | | | | PCB-5 |
| R419 | 82 | ohm | 1/2W | Carbon Film |

Parts are available from

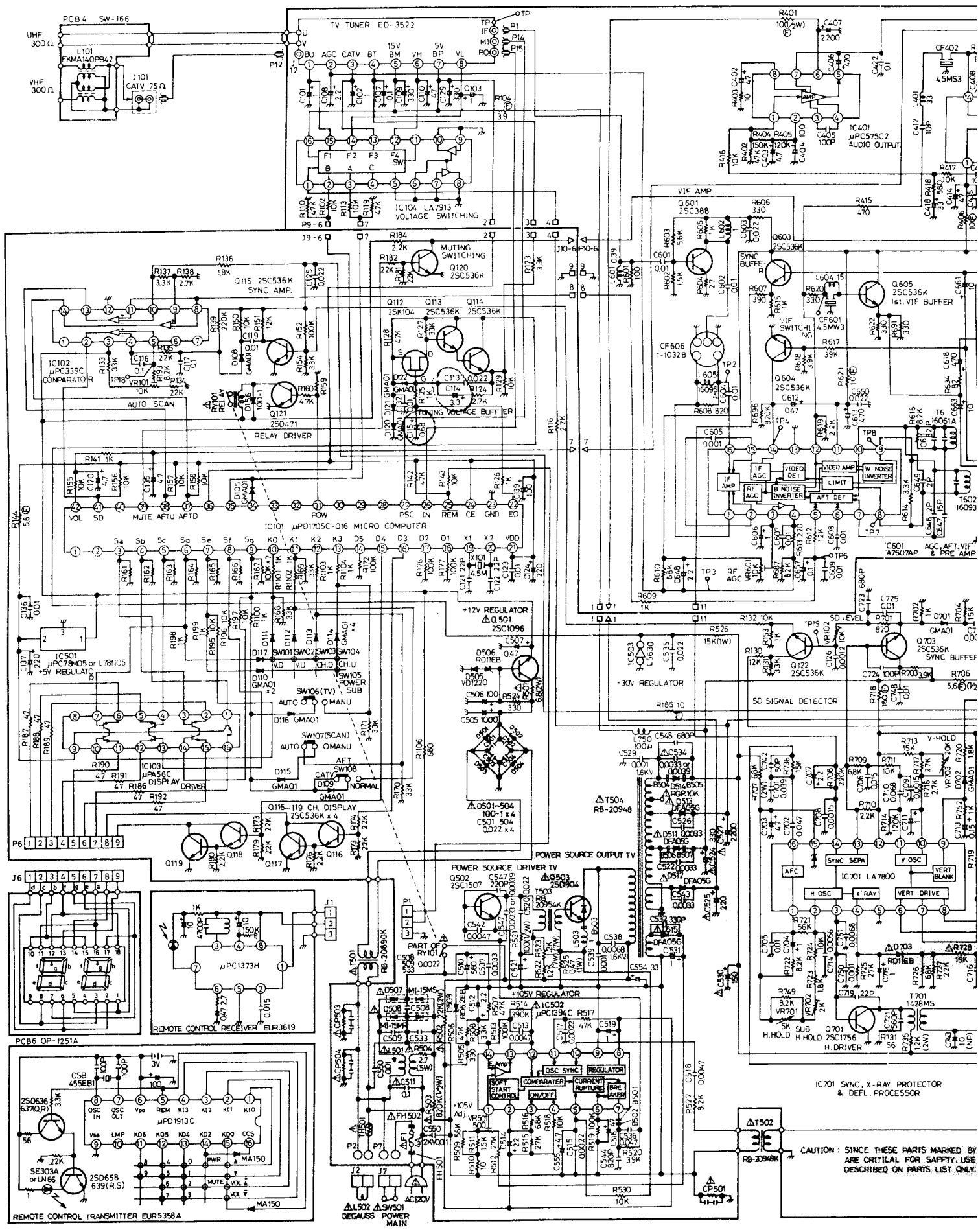
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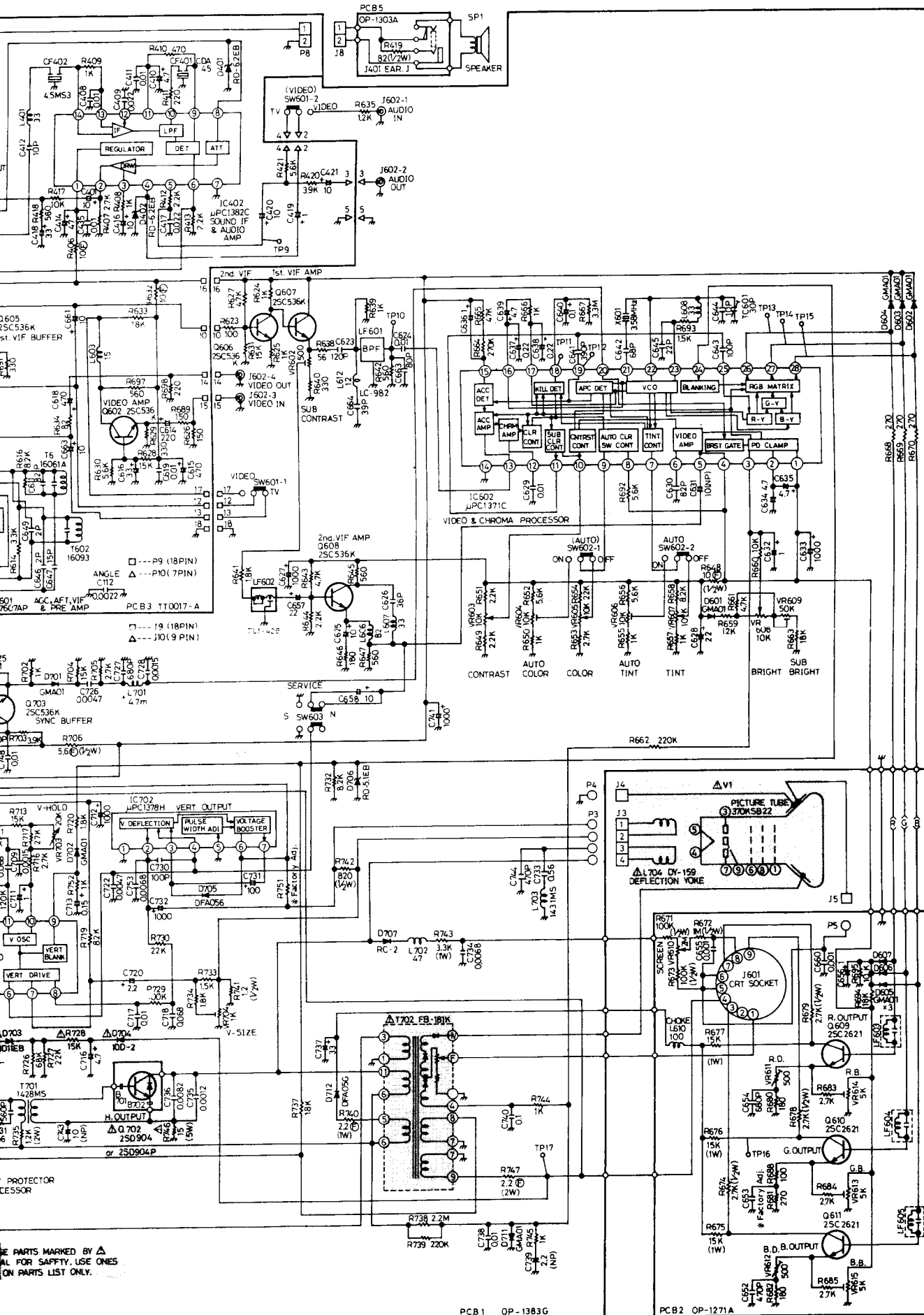
SCHEMATIC DIAG

MODEL : TMK 1433



DIAGRAM

KI433RC



REMINDER

In order to operate this unit, push the MAIN POWER SWITCH

NE-0184-C