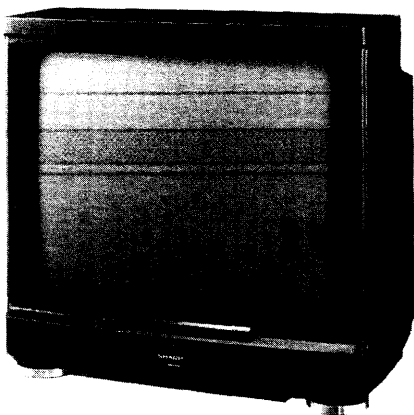


SHARP SERVICE MANUAL

S90M621N52E1/



21 SYSTEM COLOUR TELEVISION Chassis No. 21A- M

MODEL **21N52-E1**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

ELECTRICAL SPECIFICATIONS

Power Input 110-240VAC
50/60Hz (Auto)
Power Consumption 107w
Convergence Self Converging System
Focus Bi-Potential, Uni-Potential Electrostatic
Sweep Deflection Magnetic
Intermediate Frequencies
Picture IF Carrier 38.9M Hz
Sound IF Carrier
6.5MHz **32.4MHz**
6.0MHz 32.9MHz
5.5MHz 33.4MHz
4.5MHz 34.4MHz
Colour Sub-Carrier
PAL/NTSC 34.47M Hz
SECAM 34.494/34.65MHz
NTSC 35.32MHz
Audio Power Output Rating 2.5W x 2 (Max.)
Speaker
Size 8cm x 4cm Oval x 2 pcs
Voice Coil Impedance 8 ohms at 400 Hz

Aerial Input Impedance 75 ohm Unbalanced
Receiving Channels

PAL-B/G, SECAM-B/G

VHF E2 thru E12
UHF 21 thru 69
CATV S1 thru S3,
M1 thru M10
U1 thru U10

PAL-D/K, SECAM-D/K

VHF R1 thru R12
UHF 21 thru 69

PAL-I

VHF (IRELAND): B thru J
UHF (U.K., H.K.): 21 thru 69

NTSC-M

VHF (US): 2 thru 13
(JAPAN): 1 thru 12
UHF (US): 14 thru 83
(JAPAN): 13 thru 62

CATV A-6 thru A-1,
A thru W,
AA

Receiving Frequency

VHF 48.25 thru 301.25 MHz
UHF 471.25 thru 885.25 MHz

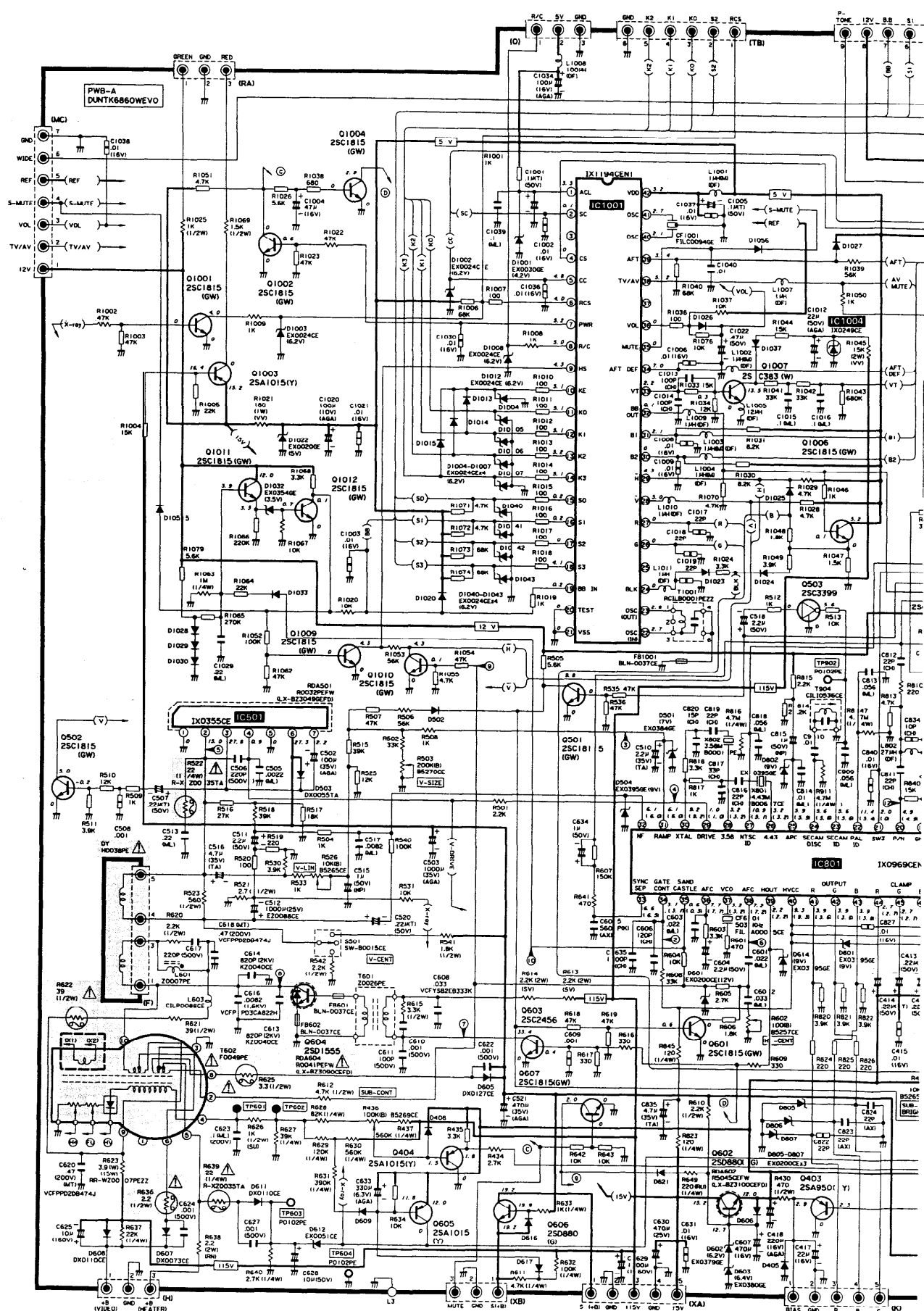
Specifications are subject to change without prior notice.

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis.

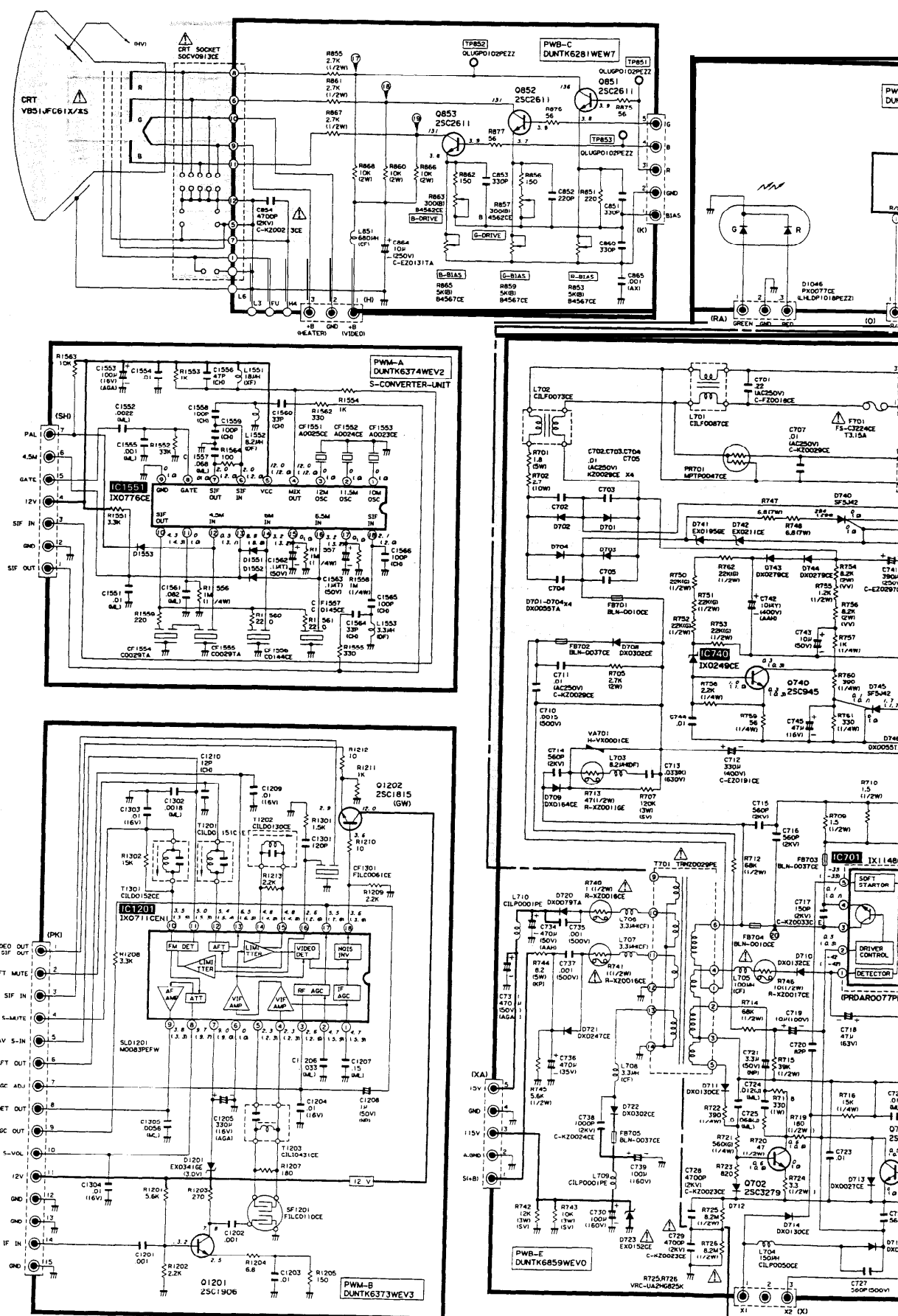
To prevent electric shock, do not remove cover. No user - serviceable parts inside. Refer servicing to qualified service personnel.

SCHEMATIC DIAGRAM: SUB CIRCUIT

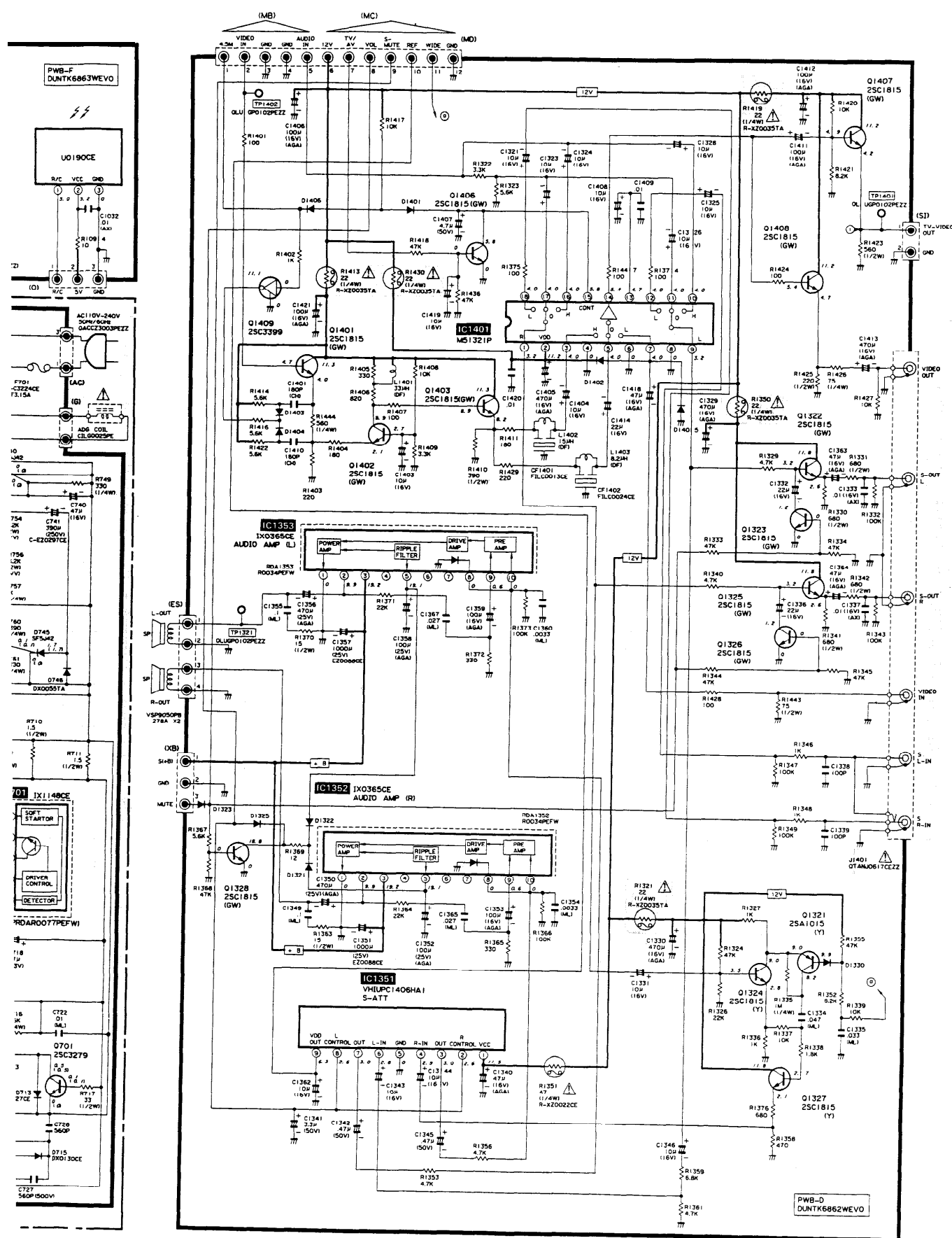


7	8	9	10	11	
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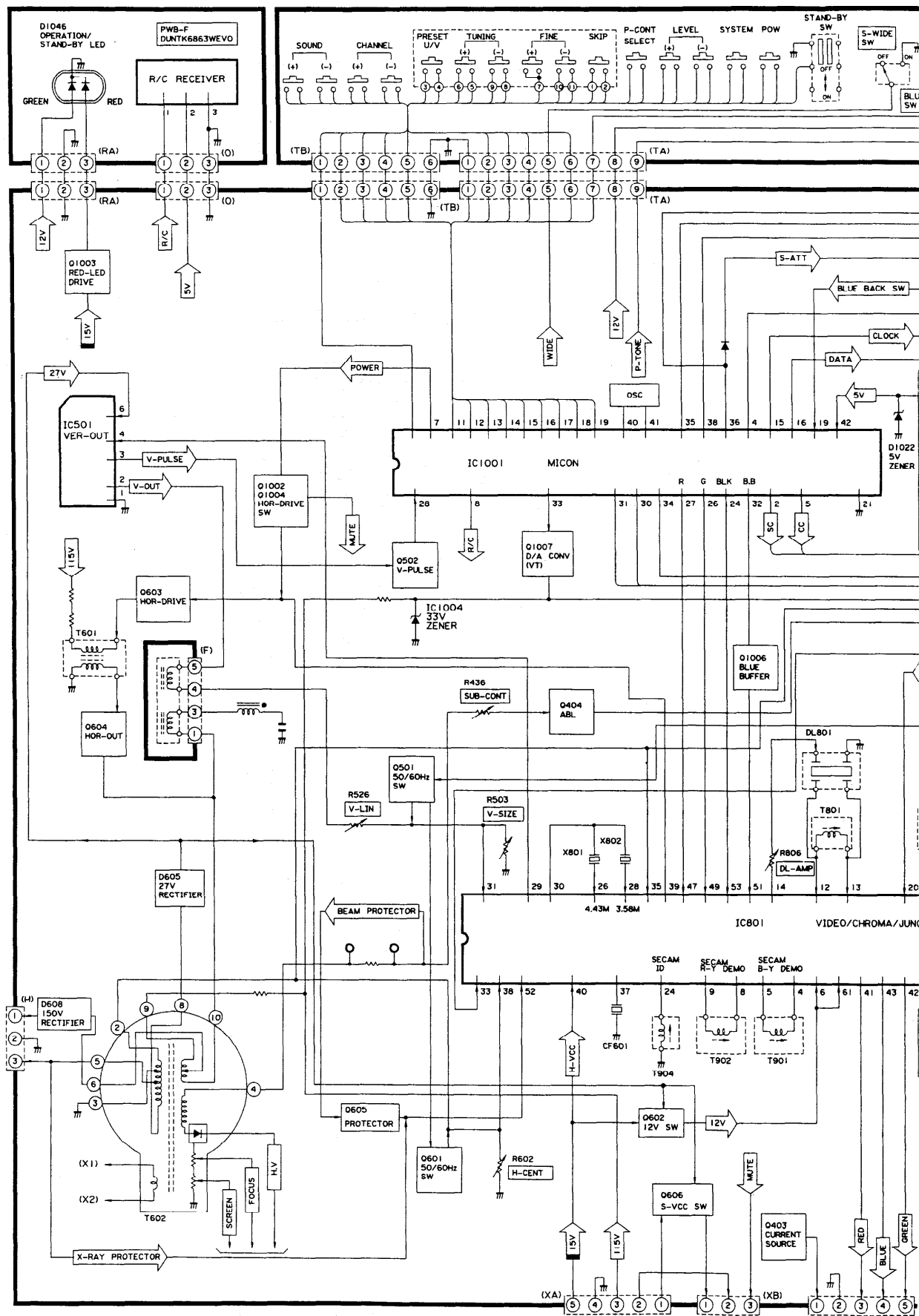
SCHEMATIC DIAGRAM: MAIN CIRCUIT

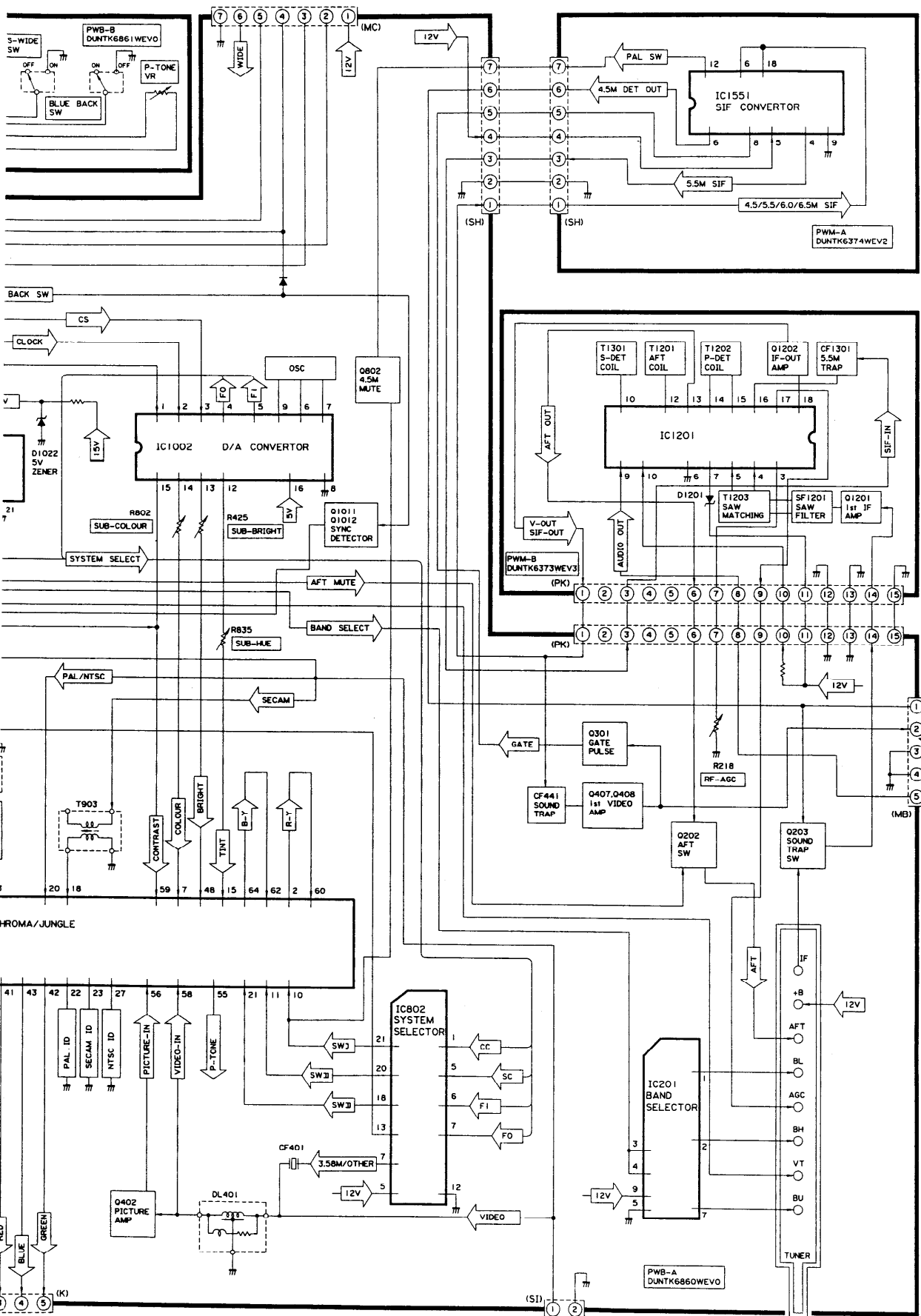


CAUTION: This circuit diagram is original one, therefore there may be a slight difference from yours.



BLOCK DIAGRAM: MAIN CIRCUIT





BLOCK DIAGRAM: SUB CIRCUIT

