

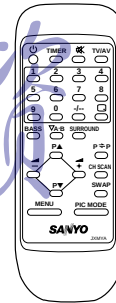
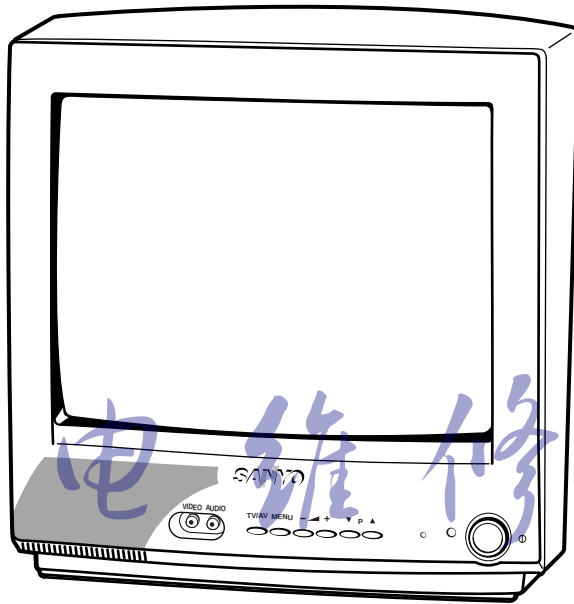
FILE NO.

SERVICE MANUAL Colour Television

Model No. CE14SA4
CE14SA4R

(Russia)

Service Ref. No. CE14SA4-00
CE14SA4R-00



Specifications

Power Source AC110-240V, 50Hz/60Hz.
Colour System PAL/SECAM/NTSC4.43/NTSC/PAL-60Hz
Television System B/G, D/K, K', I, M/M
Channel Coverage VHF: E2-E12, A2-A13, R1-R12, J1-J12, K1-K9
UHF: 21-69, A14-A69, J13-J62
CATV: S1-S41, X, Y, Z, Z+1, Z+2

Video IF 38.0MHz

Aerial Input Impedance . . 75Ω

Ext. Terminals

Video inputs: Phono jack X 2 (1Vp - p, 75Ω)
Audio inputs: Phono jack X 2 (436mVrms, more than 40KΩ)
Video monitor outputs: Phono jack X 1(1Vp - p, 75Ω)
Audio monitor outputs: Phono jack X 1(436mVrms, less than 600Ω)

Sound Output (RMS) 2 W

Speaker Diameter 8cm X 1 pc.

Dimensions 364.5 (W) X 361.7 (H) X 383.3 (D)mm

Weight approx. 8.6 Kg

Specifications subject to change without notice.

Product Code: 111361943

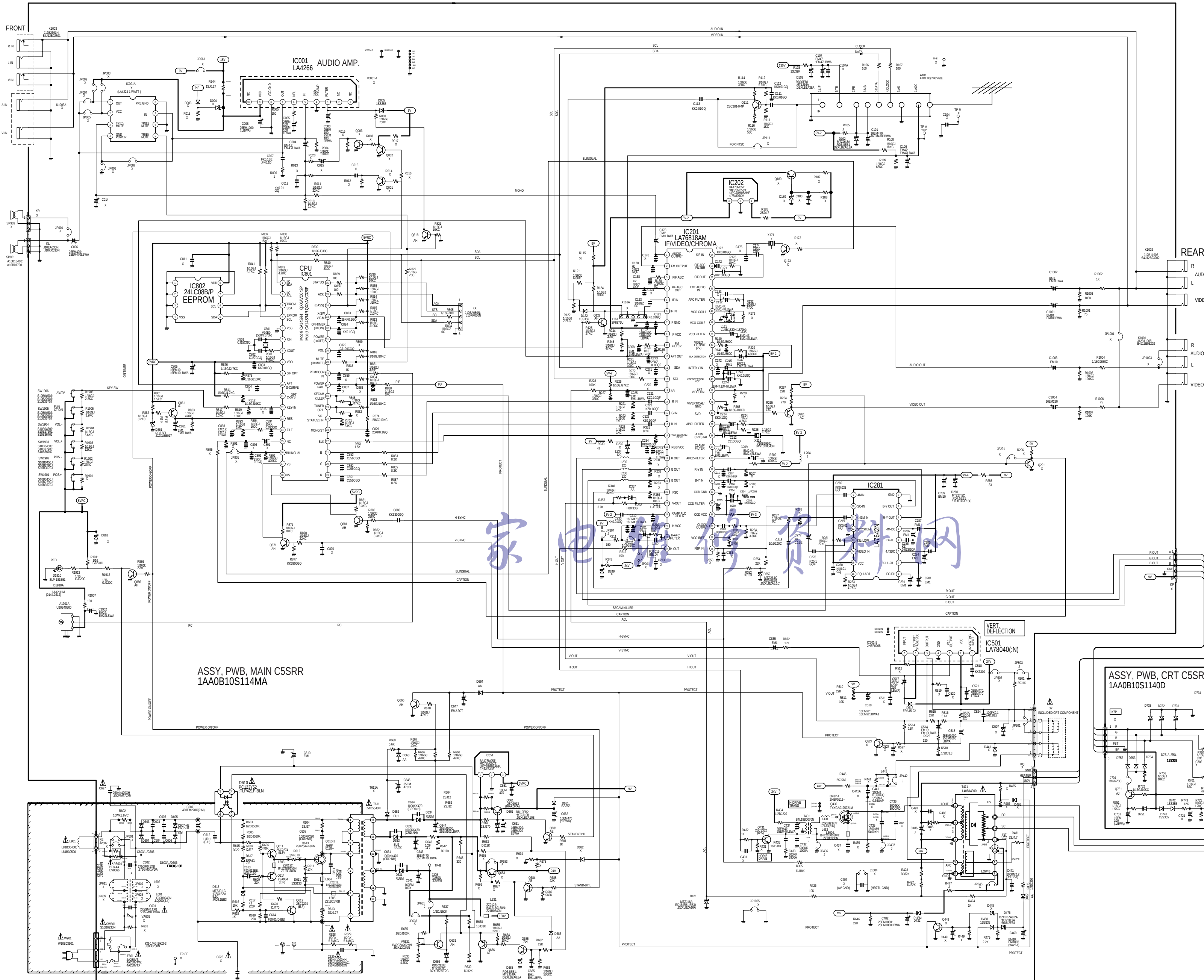
Original Version

Chassis Series: AC5-G

Software Model CE14SA4: AC5-A1
Model CE14SA4R: AC5-A (RU)

Give complete "SERVICE REF. NO." for parts order or servicing. It is shown on the rating plate at the cabinet back of the unit.

This T.V. receiver will not work properly in foreign countries where the television transmission system and power source differ from the design specifications. Refer to the specification table.



LIST OF REPLACEMENT TRANSISTORS
(SAMSUNG TYPE)

IC	LA76818AM	LA78040(N)	LA78040(N)
IC	LA76818AM	LA78040(N)	LA78040(N)
IC	LA76818AM	LA78040(N)	LA78040(N)

DIFFERENT LIST

LOC	6300000	6300000
LOC	6300000	6300000
LOC	6300000	6300000

DIFFERENT LIST

LOC	6300000	6300000
LOC	6300000	6300000
LOC	6300000	6300000

DIFFERENT LIST

LOC	6300000	6300000
LOC	6300000	6300000
LOC	6300000	6300000

DIFFERENT LIST

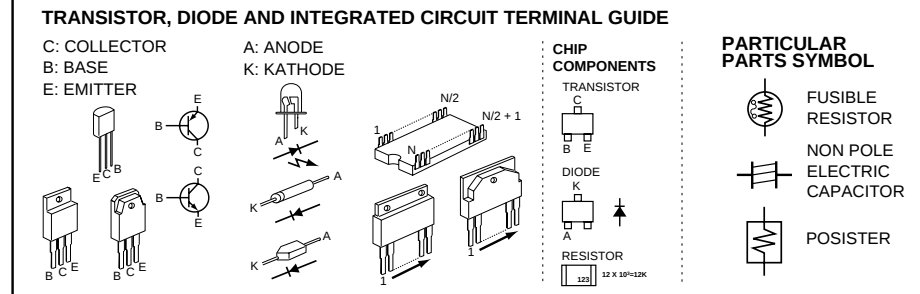
LOC	6300000	6300000
LOC	6300000	6300000
LOC	6300000	6300000

THE SERVICE PRECAUTION:
The area enclosed by this line() is directly connected with AC mains voltage.
When servicing the area, connect an isolating transformer between TV receiver and AC line to eliminate hazard of electric shock.

PRODUCT SAFETY NOTICE:
Product safety should be considered when a component replacement is made in any area of a receiver.
Components indicated by a mark Δ in this circuit diagram show components whose values have special significance to product safety. It is particularly recommended that only parts specified on the part service manual be used for components replacement pointed out by the mark.

CIRCUIT DIAGRAM NOTICE:
1. All resistance value are in ohms, K=1,000, M=1,000,000.
2. All resistance rated wattages are 1/8W unless otherwise noted.
3. Excepting electrolytic capacitors, all capacitance values of less than 1 are expressed in μ F and more than 1 are pF.
4. All capacitance rated voltages are 50V unless otherwise noted.
5. All inductance values are in μ H.
6. Voltage readings take with a "VTVM" are from point indicated chassis ground. Voltage readings taken by using PAL colour bar signal are with all controls at normal position. Some voltage may vary with signal strength.
7. Waveform were taken with PAL colour bar and controls adjusted for normal picture. Waveforms were taken by using a wide band oscilloscope and a low capacity probe.
8. This circuit diagram covers a basic or representative chassis only. There may be some components or partial circuit differences between the actual chassis and the circuit diagram.
9. Parts specified with "X" are not installed in this model.
10. Parts specified with "J" are just jumper wires.

11. Expression of capacitance and resistance in circuit diagram.
Capacitance (Example)
1000 C M 2000 D
Resistance (Example)
1/2 N J 1.2
Characteristic Capacitance value (220pF)
Allowable error ($\pm 20\%$)
Kind (Ceramic)
Rated voltage (1,000V)
Resistance value (1.2 Ω)
Allowable error ($\pm 5\%$)
Kind (M-carbon)
Rated wattage (1/2W)
J= $\pm 5\%$
K= $\pm 10\%$
M= $\pm 20\%$
T, A, U, D: Electrolytic
C, K, B: Ceramic
F: Mylar film
M, N: Polypropylene
Z: Metallized paper
D: Carbon
N: Metallized carbon
S: Oxidized metalized
W: Wire winding
C: Solid



COLOUR TELEVISION

SANYO AC5-G CHASSIS SERIES

SERVICE CE14SA4-00

REF. NO. CE14SA4R-00