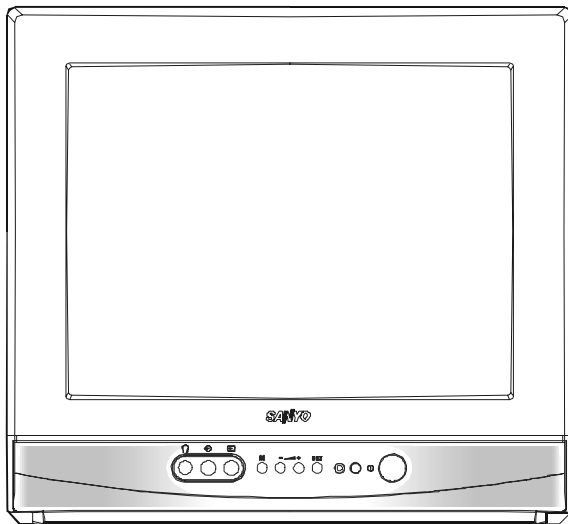


Service Manual

Models: **CE14AT3-C**
CE14AT3-E
CE14ATR3-C

Colour Television



TRC 14" Philips A34EAC41X53
 TRC 14" Philips A34EAC01X53
 TRC 14" Ekranas A33EKC02X11
CHASSIS 2117
EC7-C

Indice


1	Safety instructions.....	1
2	WARNING	1
3	Precaution against X-Rays	1
4	Recommendations to protect our environment	1
5	TECHNICAL CHARACTERISTICS.....	2
6	Safety	2
7	EMC (Electromagnetic Compatibility).....	2
8	Procedure of non-volatile memory substitution.....	2
9	CONNECTED DOCUMENTS.....	3
10	MOUNTED CIRCUITS CODES.....	3
11	ABBREVIATIONS USED IN THE PARTS LIST AND CABINET PARTS LIST.....	3
12	CABINET PARTS LIST	4
12.1	CABINET PARTS LIST OF CHASSIS	4
12.2	CABINET PARTS LIST CE14ATR3-C	5
12.3	CABINET PARTS LIST CE14AT3-C, CE14AT3-E	6
13	PARTS LIST.....	7

Give complete "SERVICE PART No" for parts order or servicing, it is shown on the rating sheet on the cabinet back of the TV set.

Note

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

5 TECHNICAL CHARACTERISTICS.

Cathode-ray tubes	In-Line, Hi-bipotential gun. 14" (34 cm)
Tuning-system	Frequency synthesis, 100 programs in non-volatile memory, AFT, automatic, semiautomatic and manual channel-search. Band I, channels 2-4 (VHF)=E2-E4 Cable channels S1-S20 Hyperband channels S21-S41 Band III, channels 5-12 (VHF)=E5-E12 Band IV-V, channels 21-69 (UHF)=E21-E69
Reception system	B/G Model CE14AT3-C and CE14ATR3 B/G-D/K Model CE14AT3-E
Colour system	PAL, NTSC 4.43, N.A.P. (NTSC Amusement by PAL) Models CE14AT3-C, CE14AT3-E and CE14ATR3
Program selection	Sequential selection from the controls on the set. Direct selection to any program from the remote-control device.
Audio	Power-rating 1W rms. (10% distortion)
Speakers	1 of 8 Ω.
Aerial	External aerial sockets 75 ohms. IEC
Jack for headphones	Mono jack 3,5mm.
Clock and alarm Function	
Timer Function	Switch on and off of CTV programmable in real time.
AV connectors	1 Scart connector 21 pin CENELEC standard AV, RGB and S_Video. 1 RCA Video input (frontal) 1 RCA Audio input (frontal)
Power supply	220 – 240 VAC 50Hz
Consumption	29W (IEC 107-1) 3,1 W (Stand-by )
Text	1.5 FLOF and LIST level. 1 page memory.
Radio	87.5 – 108MHz. 40 memories. Manual and semiautomatic search
Hotel mode	Hotel mode and Hotel Rental
Options by means of Technical Service:	
NTSC-M	

6 Safety

It fulfils the safety requirements established in the regulation:

- EN 60065:98

7 EMC (Electromagnetic Compatibility)

It fulfils the EMC requirements established in the regulation:

- EN 55013:1990/A12:1993 / A13:1996 / A14: 1999
- EN 55020:1994/A11:1996 / A13: 1999 / A14: 1999
- EN 61000-3-2:1995 +A1:1998 +A2:1998 / A14:2000
- EN 61000-3-3:1995

8 Procedure of non-volatile memory substitution.

When starting the television set, the microprocessor will always verify if non-volatile memory or NVM (IC125) is initialised or not. In case of not being, it will come to start the television set with a minimum of values by defect to guarantee a correct start-up.

The following step to make by the technician after the substitution by failure of the NVM, it will be to accede to the Service Menu and a complete initialisation of the NVM. For it, it is necessary to enter in "MORE" submenu and being in "INI NVM", press "VOL +" to confirm. Later, the definitive manual configuration of the adjustments will be done as it is indicated in "Service Menu". Moreover, it is necessary to active OEM mode, setting the colour level 05 and hold the 'Vol+' key from the local keyboard pressed and press 'Recall' on the remote control, within the SANYO models introduce 00, in OEM models the value each one will be properly explained.

Warning: when the NVM is initialised it removes the data contained in the NVM to load those that the microprocessor has by default; therefore, it is obligatory to introduce again the configuration data (CONFIG), standards (STANDARD) and the adjustments of Service Menu (not manual adjustments, see "Adjustments"). For that reason, it is better not re-initialise the NVM if it is not strictly necessary, as it is in the case of substitution of IC125.

