



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SANYO CE14AT3-C. You'll find the answers to all your questions on the SANYO CE14AT3-C in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SANYO CE14AT3-C
User guide SANYO CE14AT3-C
Operating instructions SANYO CE14AT3-C
Instructions for use SANYO CE14AT3-C
Instruction manual SANYO CE14AT3-C



Service Manual

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

Colour Television



TRC 14" Philips A34EAC41X03
TRC 14" Philips A34EAC01X03
TRC 14" Ekranas A33EK002X11
CHASSIS 2117
EC7-C

Index	
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.

03-07-2003

Ref. N° MS CE14AT3-C



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Manual abstract:

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.. 6 13 PARTS LIST.....

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. 7 Give complete "SERVICE PART No" for parts order or Note servicing, it is shown on the rating sheet on the cabinet This TV receiver will not work properly in foreign back of the TV set. countries where the television transmission system and power source differ from the design specifications.
@@@@@@@@@Direct selection to any program from the remote-control device. Power-rating 1W rms. (10% distortion) 1 of 8 . External aerial sockets 75 ohms. @@1 Scart connector 21 pin CENELEC standard AV, RGB and S_Video. @@1 page memory. Text 87.

5 108MHz, 40 memories. @@@@ @@@@ @@@@ @@@@ @075-01554/1.8 R_CLK R_DATA -R_READ;WRITE XXX SMD_10V C1409 Q1151 XXX +11V +8V +8V IF_GND +VST 12 13 6 2.48V 1 4 5 7 10 8 9 11 14 15 R1401 XXX SMD C1406 XXX SMD_50V JO1200 C1401 XXX SMD_50V GND GND GND GND AGC SDA N.C. N.C. SCL +5V AS VT IF C1402 XXX 63V C1403 XXX SMD_50V -AM;FM 12 11 15 14 16 13 10 16 2 3 SAW1 JO252 XXX R1402 XXX SMD Q1400 XXX XXX SMD_10V R1155 XXX SMD Q1150 XXX R1411 XXX SMD Q1401 XXX 15 14 13 12 11 10 R1159 XXX SMD R1157 XXX SMD XXX A0 IF_IN2 VP1 MUTE VP2 Y2A GND SWITCH C1400 SAW1 C1407 1 5 EXT_IN VDD NC3 Y1A Y0A Y3A ZA A1 SF1400 XXX +5V AMOUT AMIN NC1 NC2 VEE Y3B L250 4.7uH +5V_TU R1403 XXX SMD JO254 XXX R1404 XXX SMD XXX SMD_50V Y2B 3 7 8 1 5 2 3 4 6 IC1400 XXX ZB Y1B VSS Y0B 4 CREF 2 CAGC -E L251 XXX AFOUT IF_IN1 JO250 0 SF250 XXX XXX SMD_50V C1408 XXX SMD_10V IC1401 XXX JO1151 XXX -RADIO -AM;SCART JO1152 XXX +8V MODELS WITH RADIO MODELOS CON RADIO R1417 XXX SMD JO1401 XXX +8V C250 0.

1 SMD_50V C251 100uF 25V C1404 XXX 100V C1405 XXX 100V C1412 XXX SMD_10V C1410 Q1404 XXX R1418 XXX SMD D303 +8V IC300 TDA7233S R1406 XXX SMD B1_L XXX SMD_10V R1419 XXX SMD R304 1M SMD R319 33K 1/6W B2 SWR GND OUT +VS +IN NC -IN LS4148 PGND MUTE BEEP R300 2.2 0.33W 9 8 7 6 5 4 3 2 1 D251 R259 12K 2W XXX R262 C260 47uF 25V 10K SMD +5V_TU SAW2 R1412 XXX SMD C1411 XXX SMD_50V C1413 XXX SMD_10V R1415 XXX SMD C325 4.6V KHP L304 10uH 1 2 3 C302 AUD_OUT 1u SMD_16V R253 100 SMD R263 3.9K SMD C304 R316 5.6K SMD R302 33K SMD C323 0.01 SMD_50V C324 220uF 16V TUN_AGC R261 15K SMD +5V_M 1000 SMD_50V D302 C306 22uF 50V C326 0.1 SMD_50V 470uF 16V C310 0.022 SMD_50V R305 L301 0 D250 C257 0.01 SMD_50V MUTE LS4148 R149 330 SMD R1100 TSOP4438 R1416 XXX SMD CF201 XXX CF202 XXX JO401 R303 10K SMD C305 47uF 25V R317 4.

7 1/4W 120 1/2W 2 1 KSP JO201 XXX D201 JO200 XXX D200 R211 XXX 1/6W XXX C434 10uF 63V JO212 R407 XXX C212 1 +8V R254 12K SMD R257 1K SMD R252 1K SMD R255 12K SMD IR R137 1K 1/6W C210 C209 R420 330 1/4W C127 220 SMD_50V C111 10uF 63V XXX R213 XXX 1/6W XXX SMD_50V XXX SMD_50V SCL +5V_M CF2 +5V_M +8V_VP CF1 C211 XXX SMD_50V JO400 SDA IC100 ST92195B1B1/EXO 5V C114 1000 -RESET SMD_50V R136 1K SMD 2 1 P2.0_I7 AD1_I5_P2.1 56 C203 XXX SMD_50V D100 SLZ-981B R421 270 SMD Q401 BC857B Q402 BC847B R406 R422 470 SMD 680 SMD R931 10K 1/6W C900 470 SMD_50V R930 2.2K SMD L901 1 R160 100K SMD R210 XXX SMD IC400 XXX SNDIF DECSDEM 56 C426 R118 100 1/6W -PD Q102 PDATA124ET R167 R124 2.2K SMD +8V_VP R209 XXX SMD C419 XXX SMD_50V 2 C126 1000 SMD_50V *RST AD2_IO_P2.2 55 AUDEXT AUDEEM 55 10uF 63V 1K C418 1/6W 6800 SMD_50V 10uH C909 470 SMD_50V KFA RCA 2 R913 100 SMD C903 R912 C904 470 SMD_50V 560 1/4W KEY C129 0.01 SMD_50V R112 100 1/6W 0V WITH TV SIGNAL 1.55V WITHOUT TV SIGNAL 1K 1/6W 2.2u SMD_10V R201 220 1/4W R206 220 SMD R203 220 SMD C200 10uF 63V C206 2.2u SMD_10V Q200 BC847B C202 2.

53V R175 5V ON 0V STBY 3 3 ON R162 100 1/6W 4 P0.7 VSO1_I6_P2.3 54 IFDEMI AGCOUT 54 R427 47uF 25V TUN_AGC 680 1/6W +8VP2 R_CLK 1K SMD R163 5 P0.6 NMI_P2.4 53 LED R172 R111 470 SMD 4 1000 SMD_50V C204 R212 0.1 SMD_50V 390 SMD R200 1K 1/6W R400 IFDEMI DECCAGC 53 C205 2.2u SMD_10V C208 XXX SMD_10V C428 0.01 SMD_50V R426 39K SMD_1% C424 0.1 SMD_50V R929 R423 100K SMD D912 LS4148 R425 XXX SMD C440 0.01 SMD_50V R408 10K SMD +5V R916 C905 470 SMD_50V 2.

2K 1/4W KSCA 1 2 3 5 R_DATA 1K SMD R161 6 P0.5 I4_AD3_P2.5 52 PLLF IREF 52 MUTE 1K SMD R215 L201 XXX 3.89V TO0057 BCI R424 27K SMD 1K 1/6W B R949 680 SMD R952 1K SMD R946 680 SMD R943 3.9K SMD Q903 PMBT2369 C910 CVBS_SC_OUT 220 1/6W X100 8MHz Q201 BC857B C108 15 SMD_50V C425 6 -R_READ;WRITE 1K SMD 7 +5V P0.

4 OSCIN 51 IFVO VCS 51 47uF 25V R204 CF200 XXX C201 39 SMD_50V R205 XXX XXX SMD SMD P0.3 OSCOUT 50 R108 R106 15K SMD 8 SC -SUP_FAIL R113 1K 1/6W 2.2V ON 0V STBY 9 P0.2_AD4 PWM7_P4.7 49 C109 15 SMD_50V R202 470 SMD SCL 100 1/6W R401 7 SCL EHT0 50 0.

1 63 SF200 XXX R207 47 SMD R208 5 R940 10K SMD R928 10K SMD C906 470 SMD_50V R917 2.2K 1/4W 4 5 6 7 SDA 100 1/6W 8 SDA IFIN2 49 SAW1 R955 10K SMD D909 LS4148 6.74V 9 P0.1 PWM6_P4.6 48 DECBG IFINI 48 SAW2 47 SMD R433 100 1/6W R434 100 1/6W R436 D911 LS4148 R910 C911 SC R911 9.1K SMD 12K 1/4W 8 9 10 11 12 13 R105 12K SMD -DEFL_FAIL R169 47K 1/6W C128 0.01 SMD_50V 10 -RADIO XXX SMD R128 11 P0.0 PWM5_P4.5 47 R119 C402 0.47 SMD_16V C403 0.

022 SMD_50V C405 G +V_DRIVE R948 680 SMD R951 R945 680 SMD Q902 PMBT2369 R942 3.9K SMD CHROMA 1000 SMD_50V C406 10 CHROMA VDRA 47 BEEP 10K SMD +5V +5V -AM;SCART R158 1K SMD XXX SMD 12 P3.7_*RST0 PWM4_P4.4 46 CVBS_SC R964 4.7K SMD 0.1 +8V 11 CVBS_Y VDRB 46 100 1/6W R437 47uF 25V -V_DRIVE 100 1/6W C711 1000 SMD_50V 1K SMD R954 10K SMD C423 1000 100V C429 1000 100V C714 1000 SMD_50V SMD_50V 12 VP1 EWD 45 L400 4.7uH C400 100uF 25V +8V_VP P3.6 TSLU_PWM3_P4.3 45 R100 100 1/6W RGB_OVERRIDE -AGC_LS R104 4.2V WITH TXT ON SCREEN 0V WITHOUT OSD R152 5.

6K SMD R151 5.6K SMD Q104 BC857B R157 R126 3.9K SMD R156 4.7K SMD D109 BAT42 D108 BAT42 D107 BAT42 13 C401 0.



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1 SMD_50V C430 2.

2u SMD_10V C421 13 -AM;FM XXX SMD 5.5V ON 0V STBY 14 P3.5 PWM2_P4.2 44 CVBS_INT GND2 44 CHROMA 4700 SMD_50V C420 TUN_AGC 3.3K SMD R145 C435 14 GND1 PHILF 43 4.

04V D910 LS4148 14 R150 5.6K SMD Q101 PMBT2369 R419 15K SMD R R947 680 SMD R944 680 SMD R941 3.9K SMD C912 15 P3.4 PWM1_P4.1 43 CF2 XXX SMD R146 0.1 SMD_50V R435 B D106 1N4148 D105 1N4148 D104 1N4148 D102 1N4148 +5V_D +5V_D 15 B PWM0_P4.0 42 ER JUMPER JUMPER JUMPER L1401 4.7uH 4.7uH L201 15uH 15uH 15uH 15uH 15uH 15uH 10uH 10uH 15uH 15uH 15uH 15uH L251 1uH 1uH 1uH 1uH 1uH 1uH 1uH 1uH 1uH 0.39uH 0.

39uH Q1150 PDTC124ET PDTC124ET PDTC124ET PDTC124ET Q1151 BC847B BC847B BC847B BC847B Q1400 BF570 BF570 Q1401 PDTC124ET PDTC124ET PDTC124ET PDTC124ET PDTC124ET Q1404 BC847B BC847B BC847B BC847B BC847B Q853 2SB764E 2SB764E 2SB764E 2SB764E 2SB764E 2SB764E 2SB764E Q853A TIP32C TIP32C R1153 100K 100K 100K 100K R1154 10K 10K 10K 10K R1155 4.7K 4.7K 4.7K 4.7K R1156 33K 33K 33K 33K R1157 22K 22K 22K 22K 820 820 R1158 820 820 R1159 470 470 470 R126 1K 1K R128 1K 1K 1K 1K 1K R1401 150 150 R1402 2.2K 2.2K R1403 1.5K 1.5K R1404 220 220 R1406 2.2K 2.

2K R1411 4.7K 4.7K 4.7K 4.7K 4. 7K R1412 2.2K 2.2K R1415 47K 47K 47K 47K 47K R1416 18K 27K 27K 27K 18K 18K 18K 18K 18K 27K 27K R1417 47K 47K 47K 47K 47K R1418 27K 27K 27K 27K R1419 1K 1K 1K 1K 1K R145 1K 1K R146 1K 1K R169 1K 1K 1K 1K R204 330 330 330 330 330 220 220 330 330 330 330 R205 6.8K 6.8K 6.

8K 6.8K 6.8K 6.8K 4.7K 4.7K 6.8K 6.8K 6.8K 6.8K R209 680 680 680 680 680 1.

8K 1.8K 680 680 680 680 1K 1K R210 R211 2.7K 2.7K R213 2.7K 2.7K R425 330K 330K 330K 150K 330K 150K 330K 150K 330K 150K 330K 330K R573 1.3 1.3 1.3 1.3 2.

7 2.7 2.7 R573A 2.7 2.7 2.

7 2.7 2.7 R705 560 560 560 1K 560 1K 560 1K 560 1K 560 560 R807 54K9 54K9 54K9 73.2K 54K9 73.2K 54K9 73.

2K 54K9 73.2K 54K9 54K9 11K5 14.3K 11K5 14.3K 11K5 14.3K 11K5 11K5 11K5 R808 11K5 11K5 RADIO HFM0101 HFM0101 HFM0101 HFM0101 SF1400 L9360M L9360M SF200 G1958M G1958M G1958M G1958M G1958M G1958M K2950M K2950M J1956M J1956M G1958M G1958M MKT40.4MA110P MKT40.4MA110P SF250 ZOCAL HPS3200-010719 HPS3200-010719 HPS3200-010719 HPS3200-010719 HPS3200-010719 HPS3200-010719 HPS3200-010719 HPS3200-010719 ZOCALO HPS-1521-014401 HPS-1521-014401 HPS-1521-014401 HPS-1521-014401 B1 106.5V 106.5V 106.

5V 112V 106.5V 112V 106.5V 112V 106.5V 112V 106.5V 106.5V 32V 5V 9 1 4 5 2 3 B C410 0.022 SMD_50V 26 BI RYI 32 6 7 8 9 25 AVDD3 JTMS 32 +5V_C R117 3.7K 0.4W_1% PL100 R115 C107 0.1 SMD_50V FB +5V_D C411 18 SMD_50V 31 0.

1 SMD_50V Q907 BC847B 26 TEST0 AVDD2 31 RGBIN BYI R962 10K SMD Q909 PDTC124ET Q908 BC857B R963 1K SMD KEY PL101 12K SMD_1% R116 22K SMD_1% R120 5.6K SMD_1% R107 5.6K SMD C100 0.1 SMD_50V 30 1 2 3 IC125 XXX EO E1 E2 VSS VCC -WC SCL SDA 8 7 6 5 27 27 MCFM CVBS3 C112 0.1 SMD_50V R154 LUMIN RYO 30 FB RGB_OVERRIDE R504 C504 0.

1 250V 1.5K 1/2W R573A XXX 2W R573 R428 680 SMD JO404 28 LUMOUT BYO 29 28 PL102 JTCK TXCF 29 R109 15K SMD C121 2200 SMD_50V 0 C120 22 SMD_50V SCL 100 SMD R155 4 PL103 C119 4700 SMD_50V C422 33 SMD_50V SDA 100 SMD D663 ERB44-04 D504 B1 129.6V XXX 3W D505 6V2 R505 22K 1/6W C561 0.1 SMD_50V C511 129.3V 6.

3V D561 9V1 R561 10K SMD D562 BAV103 R562 100 1/4W TP0523 KAQ C573 L666 0 R856 220K 0.6W_1% E657 T650 HFT3676 KHTR2 C668 10uF 160V 1 2 3 4 KHTR1 1 2 3 4 LS4148 1 2200 2KV R574 1.5K 1/2W D607 T NOTIZIE SULLA SICUREZZA DI FUNZIONAMENTO L'area racchiusa dal tratteggio è collegata direttamente alla rete di alimentazione, inserite un trasformatore separatore prima di procedere alla riparazione. DEGAUSSING COIL Q851 +11V LS4148 D606 R1153 106.4V ON 0V STBY XXX 1/2W R857 220K 0.6W_1% R858 B1_L KSP92 106.5V ON B1 R606 18 1W +12V 12.57V C701 100uF 35V D680 ERB44-04 E658 2 E653 10 R501 15K 2W 470 SMD_50V D501 LS4148 R541 1.5K 1/2W Q511 BF423 TP0538 JO501 XXX JO502 XXX 136V STBY Q858 BC857B 5.78V R866 1.

8K SMD R867 47K SMD +8V LS4148 B2 D600 LS4148 R600 82 2W C600 0.01 250V 11.55V 2 D1150 XXX R865 510 SMD E667 6 R511 +8V -RESET C601 0.047 63V 4 -12V PTC800 D801 1N4007 D803 1N4007 C802 1000 1KV R803 5.6M 1/2W R804 5.6M 1/2W C804 2200 4KV ON 10K 1/6W R870 4.7K SMD Q852 KSP42 IC850 7805 I O C IC701 LA7840L 5V ON +5V_M 5V STBY PUMP UP R605 C700 R604 0 SMD R601 3.3K 1/4W T00465 1 3 -12.6V C702 100uF 35V D681 ERB44-04 E669 7 R676 6.8K SMD 11 E659 R531 47 SMD R521 510 SMD KG KR SPF KDG L600 0 E668 9 100 SMD Q501 BF422 H R551 3.

3K 1/4W ZOCALO XXX 6 8 SPF 57 G1 G2 H KB N.C. @@@@deben ser sustituidos por recambios originales SANYO. @@@@NOTAS: 1.- Los valores de las resistencias están expresados en ohms K=1.

000, M=1.000.000. 2.- Los valores de los condensadores menores de 1 están expresados en uF, los valores mayores de 1 están expresados en pF.

*3.- Toda la información de este esquema es correcta en el inicio de la serie; SANYO se reserva el derecho de modificarlo para mantener su política de mejora continua. 4.- Las medidas de tensiones y oscilogramas se han efectuado con el TV sintonizado en el canal-21, ajustes normalizados e imagen con carta de barras de color. COMPLIANCE TO STANDARDS When any TV receptor component is substituted, it is necessary to check the list of components in the Service Manual and all of those marked with * or ! must be replaced with original spare SANYO parts. WARNING! This TV set contains components that are particularly sensitive to static electricity (ESD). It is recommended that all due precaution be taken particularly sensitive handling integrated circuits and semiconductors. NOTES: 1.- Resistor values are expressed in Ohm K=1000, M=1000000. 2.*

*- Capacitor values lower than 1 are expressed in uF and values higher than 1 are expressed in pF. 3.- The information in this scheme is correct at the beginning of the series; SANYO reserves the right to modify this in accordance with on-going product improvement policy. 4.- The measurements of voltages and oscillograms were carried out with a TV set tuned to channel-21, normal adjustments and colour bar pattern. NOTA SUL RISPETO DELLE NORME Quando si sostituisce qualsiasi componente del ricevitore TV si deve consultare l'elenco dei componenti nel Manuale per la Manutenzione. Tutti i componenti contrassegnati con * o ! devono essere sostituiti con ricambi originali SANYO. ATTENZIONE! Questo televisore contiene elementi specialmente sensibili all'elettricità statica (ESD). Consigliamo di realizzare gli interventi sui circuiti integrati e sui semiconduttori con le dovute precauzioni.*

@@@@@@Seguendo la propria politica di continuo miglioramento dei propri prodotti, la SANYO si riserva el diritto di apportare modifiche senza preavviso.



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4.- Le misure di tensione e gli oscillogrammi sono stati effettuati con la TV sintonizzata sul canale 21, regolazioni normalizzate e immagine del monoscopio. 56
29 16 9 8 5 1 IC100 28 IC400 1 IC1400 IC1401 IC800 8 1 4 1 IC300 9 1 IC701 7 IC125 COLOUR TELEVISION 14" TXT Models:CE14AT3 CE14AT3-E
CE14AX3 CE14AT3-C CE14ATR3 CE14AT3-GB CE14AXR3 CE14ATR3-C Chassis: 2117 (Series EC7-C) B C E Q100 Q101 Q102 Q104 Q200 Q201 Q401
Q402 Q570 Q601 Q611 Q651 Q673 Q850 Q854 Q855 Q857 Q858 Q859 Q860 Q900 Q901 Q902 Q903 Q904 Q905 Q906 Q907 Q908 Q909 Q1150 Q1151
Q1400 Q1401 Q1404 Q501 Q502 Q503 Q856 Q511 Q512 Q513 Q853A Q600 000-03902/0 CE14AXR3 000-03892/0 CE14ATR3 000-03901/0 CE14AX3
000-03891/0 CE14AT3 MODEL 000-03896/5 CE14AT3-G B 000-03894/0 CE14AT3-C 000-03894/5 CE14AT3-C 000-03895/0 CE14AT3-E 000-03895/5
CE14AT3-E C B E Q851 Q852 ICO IC850 GD S Q800 BCE Q650 CODE: ES CE14AT3 DATE: April-2003 .



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