



Sanyo CE25D3-C Service Manual

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

19
20
21
22
23
24
25
26

•

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Colour Television Service Manual

Model CE25D3-C

Service Ref. No. CE25D3-C-01

PRODUCT CODE: 1113 27115

ORIGINAL VERSION: Chassis No. EB4-A

Specifications

Power source

AC 220~240V 50Hz

Television system

System B/G

Colour system

SA



PAL
Receiving channel
VHF: E2-E12
CATV: X, Y, Z, S1-S41
UHF: #21~69
Aerial input impedance
75ohm
AV terminal
21 Pin socket
CENELEC standard
Sound output(Music)
12 watts X2
Picture tube
63cm diagonal, 110 degree
(Visible picture diagonal)
59cm
Dimensions (WxHxD)
680 x 543 x 446.5mm
Weight
26 Kg
Part No.
SKSM0225
F3PTV

All manuals and user guides at all-guides.com

(W.Europe)

APRIL 1998

25D3

CE

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

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

-C

SA



[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

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(20 pages)

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(25 pages)

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(9 pages)

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(62 pages)

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(32 pages)

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(33 pages)

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(32 pages)

Summary of Contents for Sanyo CE25D3-C

[Page 1](#) All manuals and user guides at all-guides.com Colour Television 25D3 Service Manual Model CE25D3-C (W.Europe) Service Ref. No. CE25D3-C-01 PRODUCT CODE: 1113 27115 ORIGINAL VERSION: Chassis No. EB4-A Specifications Power source AC 220~240V 50Hz Television system System B/G Colour system...

[Page 2: Safety Precaution](#)

All manuals and user guides at all-guides.com SAFETY PRECAUTION 1: An isolation transformer should be connected in the 3: When replacing a chassis in the cabinet, always be power line between the receiver and the AC line when certain that all the protective devices are installed a service is performed on the primary of the converter properly, such as, control knobs,

adjustment covers or transformer of the set.

[Page 3: Block Diagram](#)

All manuals and user guides at all-guides.com BLOCK DIAGRAM This is a diagram for all models and therefore differs slightly from the actual block diagram. F3PTV...

[Page 4: Circuit Description](#)

All manuals and user guides at all-guides.com CIRCUIT DESCRIPTION 1. POWER SUPPLY control) The chroma signal is divided into R-Y and B-Y The power supply circuit of the EB4-A chassis is chroma signals, demodulated in IC201, and output from composed of a rectifier smoothing circuit, an oscillation pin30 (R-Y) and pin31 (B-Y).

[Page 5](#) All manuals and user guides at all-guides.com 6. HORIZONTAL OUTPUT Pin25: Black A horizontal oscillation signal is output from pin37 of Pin26: IREF IC201 and switches the drive transistor Q431. This Pin27: Odd/Even output switching signal is current amplified by the drive Pin28: GND transformer T431 and drives the output transistor Q432.

[Page 6: Service Control Adjustment](#)

All manuals and user guides at all-guides.com SERVICE CONTROL ADJUSTMENT B1 POWER SUPPLY ADJ. AFT ADJ. TU-AGC ADJ. MAIN BOARD HIGH VOLTAGE & H-WIDTH ADJ. FOCUS ADJ. V-CENTRE ADJ. V-SIZE ADJ. H-CENTRE ADJ. GREY SCALE ADJ. SIF BOARD SIF ADJ. CRT BOARD IC3811 IC3801...

[Page 7](#) All manuals and user guides at all-guides.com B1 POWER SUPPLY ADJUSTMENT HIGH VOLTAGE & WIDTH ADJUSTMENT 1. Set VR641 to be mechanically centre before [HIGH VOLTAGE ADJUSTMENT] pressing the mains ON/OFF switch. 1. Tune the receiver to the circular pattern. 2.

[Page 8: Circuit Alignment](#)

All manuals and user guides at all-guides.com CIRCUIT ALIGNMENT 10kΩ 0.002μF 75Ω 1kΩ Output probe Input probe VIF alignment SETTING Adjustment Waveform DC 15.5V C644 + By using T141, adjust "P" to AGC voltage (4.3-4.5V) IC201-pin48 be maximum amplitude. Output probe IC201-pin45 (Side b) Input probe...

[Page 9](#) All manuals and user guides at all-guides.com INITIALISATION (Important Notice) When you replace a memory IC (IC802), it is 2. Select the desired service item by using the Function necessary to initialise the IC as following step. button on the remote control handset. 3.

[Page 10](#) All manuals and user guides at all-guides.com CABINET PARTS LIST FOR MODELS CE25D3-C-01 Note: Parts order must contain Service Ref. No., Part No., and descriptions. BASS - /-- A*B 1AV0U10B03202 JXRG Item Part No. Description CABINET PARTS 610 270 5911 ASSY CABINET FR-F3PKV...

[Page 11](#) Part No. Description Part No. Description Ref. No. Chassis construction Read description in the Capacitor and Resistor as follows: CAPACITOR CE25D3-C-01 CERAMIC 100P K 50V Rated Voltage Tolerance Symbols: ASSY,PWB,MAIN F3PTV 1AA0B10H02600 (Page 11) Less than 10PF ASSY,PWB,SIF 3D-A2 ST 1AA0B10H0270A (Page 17) A: Not specified B: ±0.1PF...

[Page 12](#) All manuals and user guides at all-guides.com Description Ref. No. Part No. Ref. No. Part No. Description Q835 406 007 2106 TR JC546A C1105 403 009 5718 CERAMIC 100P J Q861 406 007 1901 TR JC556A C1106 403 069 1712 CERAMIC 1000P K Q871 406 007 2106 TR JC546A...

[Page 13](#) All manuals and user guides at all-guides.com Ref. No. Part No. Description Part No. Description Ref. No. C438 403 178 9319 POLYESTER 0.01U J RESISTOR R001 401 037 5410 MT-GLAZE 1K JA 1/10W C441 403 083 5106 POLYPRO 0.27U J 400V R003 401 037 5410 MT-GLAZE...

[Page 14](#) All manuals and user guides at all-guides.com Description Ref. No. Part No. Ref. No. Part No. Description R1202 401 038 6515 MT-GLAZE 47K JA 1/10W R272 401 024 9028 CARBON 120 JA 1/6W R1203 401 037 5618 MT-GLAZE 10K JA 1/10W R351 401 037 5212 MT-GLAZE 100 JA 1/10W...

[Page 15](#) All manuals and user guides at all-guides.com Ref. No. Part No. Description Part No. Description Ref. No. R661 401 068 4700 OXIDE-MT 4.7K JA R889 401 037 5212 MT-GLAZE 100 JA 1/10W R662 401 068 8807 OXIDE-MT 5.6K JA R891 401 038 6416 MT-GLAZE 4.7K JA 1/10W R681...

[Page 16](#) All manuals and user guides at all-guides.com Description Ref. No. Part No. Ref. No. Part No. Description D831 408 007 8607 DIODE 1N4148 DIODE D1005 407 063 8319 ZENER DIODE MTZJ11C D861 407 012 4416 DIODE 1SS133-T-77 D1007 407 063 8319 ZENER DIODE MTZJ11C D871 407 012 4416 DIODE 1SS133-T-77 D1008...

[Page 17](#) All manuals and user guides at all-guides.com Ref. No. Part No. Description Part No. Description Ref. No. X201 645 025 2631 OSC,CRYSTAL 4.43MHZ Q3484 405 109 4407 TR BC848 X871 645 018 9593 OSC,CRYSTAL 12MHZ INTEGRATED CIRCUIT 645 008 4058 TERMINAL PLUG IC1251 409 009 2501 IC HD14052BP 645 008 4058 TERMINAL PLUG...

[Page 18](#) All manuals and user guides at all-guides.com Description Ref. No. Part No. Ref. No. Part No. Description K34B 645 008 3341 PLUG,10P R3536 401 037 7919 MT-GLAZE 1.5K JA 1/10W L3451 401 037 5014 MT-GLAZE 0.000 ZA 1/10W R3551 401 022 0839 CARBON 68 JA 1/4W X3401...

[Page 19](#) All manuals and user guides at all-guides.com Ref. No. Part No. Description Part No. Description Ref. No. D2611 408 007 8607 DIODE 1N4148 D2621 408 007 8607 DIODE 1N4148 D2651 408 007 8607 DIODE 1N4148 MISCELLANEOUS K26M 645 008 4058 TERMINAL PLUG K26P 645 008 7288 HOUSING PLUG 5P K26Q...

[Page 20](#) All manuals and user guides at all-guides.com Description Ref. No. Part No. Ref. No. Part No. Description -20-...

[Page 21](#) I suddetti componenti devono essere specified on the part service manual colour bar and controls adjusted 7. Le forme di onda furono prese con il seg- CE25D3-C-01 sostituiti esclusivamente con quelli indi- SERVICE REF.NO. be used for components replacement for normal picture. Waveforms nale di barre colore e i controlli regolati cati nell'elenco.

[Page 22](#) All manuals and user guides at all-guides.com Main Board /Pannello Principal Circuit side/Lato del Circuito CRT Board /Pannello Cinescopio 3D surround Board /Pannello 3D surround Circuit side/Lato del Circuito Circuit side/Lato del Circuito Audio Board /Pannello Audio SIF Board /Pannello SIF Circuit side/Lato del Circuito Circuit side/Lato del Circuito C3842...

[Page 23](#) All manuals and user guides at all-guides.com J1EK1745- CRT Board /Pannello Cinescopio K1002 :J11B0490N 90Vp-p 64 μ s 64 μ s 100Vp-p Component Location/Lato del Componente ASSY,PWB,CRT F2RC 1AA0B10E24500 L2601 L1022 Q2601 R2604 L2C1 2SC2688'1' B-OUT 2S12K Z21B0040N 331KN SP901 (K:L:M) 134.3V A10B00400...

[Page 24](#) All manuals and user guides at all-guides.com Main Board /Pannello Principal Component Location/Lato del Componente GENERAL BLOCK DIAGRAM FOR EB4 CHASSIS Audio-Video- Audio- SW1901 SW1902 SW1904 SW1903 input-L input input-R Headphones Prog.+ Prog.- Vol.- Vol.+ IC801 Audio In Video In 21P Scart: AV1 21P Scart: AV2 RC Pre.amp...

[Page 25](#) All manuals and user guides at all-guides.com Part No. SKP20145 F3PTV (SHEET 3/3)

[Page 26](#) All manuals and user guides at all-guides.com K35D J10EA030N FROM K12D...

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