



Sanyo C25EG27 Original Manual

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Colour Television
Service Manual

Model: C25EG27

Ser Ref No. C25EG27-01

Product Code: 111320506

Chassis: EC5-A

Original Manual

Give complete "SERVICE REF. NO." for parts

SA



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

SPECIFICATIONS

Power Source

Television System

Colour System

Receiving Channels

Aerial input impedance

AV Terminal

Speakers (two)

Sound output

Picture tube

Visible picture

Dimensions (W x H xD) 680 x 536 x 450 mm

Weight

Part No. SKSM0281

E7LGV MAY 1997

(W.EUROPE)

AC220~240V 50Hz

System BG

PAL

VHF : E2~E12

CATV : X,Y,Z,S1~S41

UHF : 21~69

75ohm

21 pin SCART (AV1)

8ohm, 5 x 9 cm

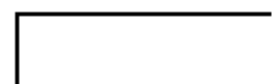
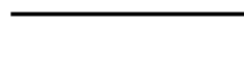
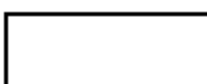
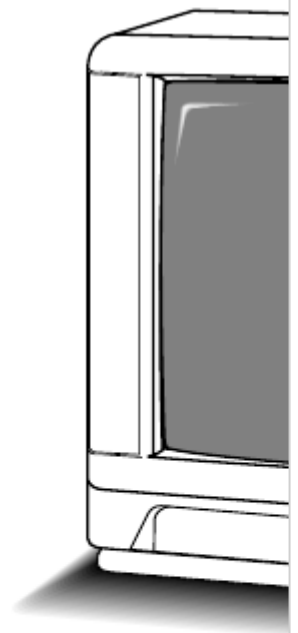
3W (cont.)

63 cm diagonal, 90°

59 cm (diagonal)

25.5 kg

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25DT1

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Related Manuals for Sanyo C25EG27

[TV Sanyo C25EG92F Service Manual](#)

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[TV Sanyo C25PG41 Service Manual](#)

(27 pages)

[TV Sanyo C25PG41 Instruction Manual](#)

(30 pages)

[TV Sanyo C25PG51 Instruction Manual](#)

Remote control video multi terminal (pajntsc/ntsc4.43) blue back function on av mode (20 pages)

[TV Sanyo C25ZG56 Service Manual](#)

(34 pages)

[TV Sanyo C25PP86N Service Manual](#)

(31 pages)

[TV Sanyo C25PP81S Instruction Manual](#)

(31 pages)

[TV Sanyo C25ZG45 Service Manual](#)

Colour television (30 pages)

[TV Sanyo 25BN1 Service Manual](#)

(32 pages)

[TV Sanyo 14MT2 Instruction Manual](#)

(53 pages)

[TV Sanyo 14MT1 Instruction Manual](#)

(24 pages)

[TV Sanyo 14MT2 Instruction Manual](#)

(28 pages)

[TV Sanyo C29LK41S Service Manual](#)

(30 pages)

[TV Sanyo C21LF41 Service Manual](#)

(13 pages)

[TV Sanyo C29LF34 Service Manual](#)

(45 pages)

[TV Sanyo C29LF37 Service Manual](#)

(33 pages)

Summary of Contents for Sanyo C25EG27

[Page 1: Table Of Contents](#)

25DT1 Colour Television Service Manual Model: C25EG27 (W.EUROPE) Ser Ref No. C25EG27-01
Product Code: 111320506 Chassis: EC5-A Original Manual 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.

[Page 2: Safety Precautions](#)

SAFETY PRECAUTION 1: An isolation transformer should be connected in the 3: When replacing a chassis in the cabinet, always be cer- power line between the receiver and the AC line when

tain that all the protective devices are installed properly - a service is performed on the primary of the converter ly, such as, control knobs, adjustment covers or transformer of the set.

[Page 3: Block Diagram Main Signal Routing](#)

BLOCK DIAGRAM (Main signal routing) This is a diagram for all models and therefore differs slightly from the actual block diagram. V out V-F/B H out Service manual-EC5 chassis...

[Page 4: Power Signal Routing](#)

(Power supply routing) Service manual-EC5 chassis...

[Page 5: Circuit Description](#)

CIRCUIT DESCRIPTION 1. POWER SUPPLY IC201, and output from pin30 (R-Y) and pin31 (B-Y). The power supply circuit of the EC5-A chassis is composed of a rectifier smoothing circuit, an oscillation circuit, circuit (IC271), and they are input to pin29 (R-Y) and pin28 a control circuit and an output rectifier circuit.

[Page 6](#) ing signal is current amplified by the drive transformer Pin28: GND T431 and drives the output transistor Q432. When Q432 Pin29: - becomes ON, an amplifying current flows directly to DY Pin30: V-deflection stop output(Stop:Lo) through C441/C442 Q432 GND, and defec- Pin31: RGB REF Pin32: Blue output for OSD tion is performed in the last half of the scanning period.

[Page 7: Service Control Adjustments](#)

SERVICE CONTROL ADJUSTMENT B1 POWER SUPPLY ADJ. AFT ADJ. TU-AGC ADJ. MAIN BOARD SW1901 SW1902 SW1903 SW1904 SW1905 SW1906 Prog- Level+ Prog+ Level- Function Memory IC801 F601 SW601 Fuse Mains SW R638 IC802 D615 Memory VR631 +B ADJ. Q612 IC001 T611 Audio output Converter...

[Page 8](#) B1 POWER SUPPLY ADJUSTMENT HIGH VOLTAGE & WIDTH ADJUSTMENT 1. Set VR641 to be mechanical centre before pressing [HIGH VOLTAGE ADJUSTMENT] the main switch. 1. Tune the receiver to circular pattern. 2. Tune the receiver to PAL circular pattern. 2. Set brightness and contrast controls to maximum. 3.

[Page 9: Circuit Alignment](#)

CIRCUIT ALIGNMENT 10kΩ 0.002μF 75Ω 1kΩ Output probe Input probe VIF alignment Adjustment SETTING 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 IC201-pin7 Marker frequency 38.9MHz Sweep ATT...

[Page 10: Memory Ic Replacement](#)

MEMORY IC REPLACEMENT (Important Notice) When you replace a memory IC (IC802), it is necessary to initialise the IC as follows. A. Initialisation of Memory IC 1. When you press and hold the Recall button on the RC transmitter and then press the Prog + button on the TV set, the following picture will appear on the screen.

[Page 11: Special Functions](#)

Special Function Special Function Maximum volume setting and prohibition of presetting Start up programme position This TV set allows you to set up the following special functions. Maximum volume setting and prohibition of presetting ITEM-1 Sets the current volume as the maximum volume level and ITEM-1 SET 0 prohibition of presetting.

[Page 12: Cabinet Parts List](#)

SERVICE REF. NO. C25EG27-01 CABINET PARTS LIST Note: Parts order must contain Service Ref. No., Part No., and descriptions. -/- Ref. No. Part No. Description Ref. No. Part No. Description CABINET PARTS 610 270 7373 ASSY,CABINET FR-E7LG-A 610 261 4381...

[Page 13: Chassis Electrical Parts List](#)

CHASSIS ELECTRICAL PARTS LIST / ! \ Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a ! mark in this parts list and the circuit diagram show components whose value have special significance to product

safety.

[Page 14](#) Ref. No. Part No. Description Ref. No. Part No. Description 405 019 3804 TR 2SC536-G-NP 405 019 2708 TR 2SC536-F-NP Q105 406 007 1901 TR JC556A 405 019 3804 TR 2SC536-G-NP 406 007 1802 TR JC556B Q651 405 089 0000 TR 2SA1707-S 405 004 4205 TR 2SA608-E-CTV-NP...

[Page 15](#) Ref. No. Part No. Description Ref. No. Part No. Description IC501 409 192 5709 IC LA7833 C202 403 270 2901 MT-POLYEST 0.1U K IC661 409 367 2809 IC BA178M09T 403 237 8007 MT-COMPO 0.1U J 409 366 7904 IC UPC78M09AHF C203 403 073 9107 CERAMIC...

[Page 16](#) Ref. No. Part No. Description Ref. No. Part No. Description / ! \ R1005 401 037 5707 MT-GLAZE 100K JA 1/10W C602 404 056 1408 MT-POLYEST 0.1U M 250V R1007 401 027 6608 CARBON 75 JA 1/6W 404 074 6508 MT-COMPO 0.1U K 250V...

[Page 17](#) Ref. No. Part No. Description Ref. No. Part No. Description R217 401 038 0800 MT-GLAZE 22K JA 1/10W / ! \ R629 402 000 8305 SOLID 5.6M KA 1/2W R218 401 015 2704 CARBON 1.8K JA 1/4W R635 401 012 8105 CARBON 100K JA 1/4W...

[Page 18](#) Ref. No. Part No. Description Ref. No. Part No. Description R872 401 038 3702 MT-GLAZE 33K JA 1/10W L841 645 008 0203 INDUCTOR,5.6U K R873 401 038 6406 MT-GLAZE 4.7K JA 1/10W L871 645 008 0203 INDUCTOR,5.6U K R874 401 037 5608 MT-GLAZE 10K JA 1/10W L881...

[Page 19](#) Ref. No. Part No. Description Ref. No. Part No. Description D605 407 006 6300 DIODE ERC05-10B TP-A 645 008 4058 TERMINAL,PLUG 407 009 6901 DIODE RM11C TP-D 645 008 4058 TERMINAL,PLUG D606 407 006 6300 DIODE ERC05-10B TP-E 645 008 4058 TERMINAL,PLUG 407 009 6901 DIODE RM11C...

[Page 20](#) Ref. No. Part No. Description Ref. No. Part No. Description R713 401 016 3809 CARBON 2.2K JA 1/4W R714 401 065 4604 OXIDE-MT 12K JA R715 401 009 6602 CARBON 3.3K JA 1/2W R721 401 018 2800 CARBON 330 JA 1/4W R722 401 019 1901...

[Page 21](#) 25DT1 cance to product safety. It is particu- MODEL NUMBER (C25EG27) signal strength. ore sono con tutti i controlli alle loro Il transistor 2SA608(E,F) puo essere mento del TV. larly recommended that only parts 7.

[Page 22](#) L105 Waveforms on ICs and Transistors R102/R104/R106 1/10GJ 1/10GJ 1/10GJ TUNE Q102/Q104/Q106 R105 Q101/Q103/Q105 QT0378(A:B): QT0378(A:B): QT0378(A:B): IC201-pin7 IC201-pin15 IC201-pin18 IC201-pin19 IC201-pin20 R106 QT0379(A:B): QT0379(A:B): QT0379(A:B): 2SC536(E-NP): 2SC536(E-NP): 2SC536(E-NP): 2SA608(ECNP): 2SA608(ECNP): 2SA608(ECNP): F-NP:G-NP) F-NP:G-NP) F-NP:G-NP) Q105 <CVBS out> <CVBS in> <B out>...

[Page 24](#) V out V-F/B H out...

This manual is also suitable for:

C25eg27-01111320506