

SANYO

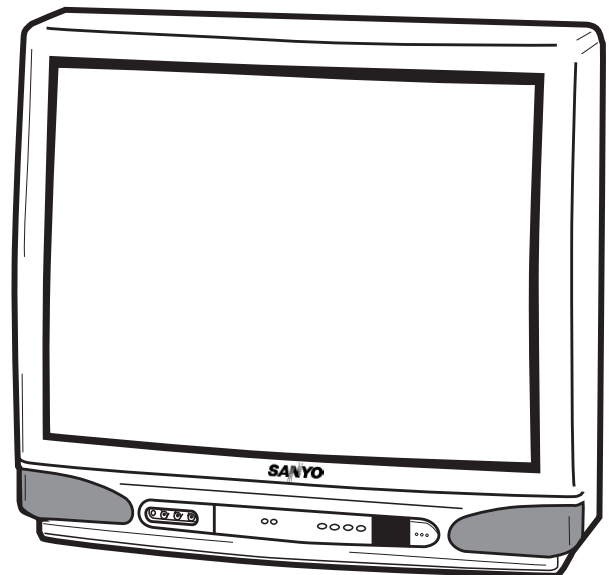
Colour Television Service Manual

CE28SN3-C

Model CE28SN3-C

Service Ref.No.: CE28SN3-C-13

PRODUCT CODE: 111328207
SERVICE MANUAL SUPPLEMENT
Chassis No.: EB4-A (MKII)



SERVICE MANUAL SUPPLEMENT
THIS SUPPLEMENT SHOULD BE FILED WITH THE ORIGINAL SERVICE MANUAL FOR CE28SN3-C-12.

SERVICE MANUAL SUPPLEMENT
FOR ALL INFORMATION NOT CONTAINED IN THIS SUPPLEMENT PLEASE REFER TO THE ORIGINAL SERVICE MANUAL FOR CE28SN3-C-12. THIS SUPPLEMENT ONLY CONTAINS DIFFERENCES BETWEEN SERVICE REFERENCE NUMBERS.

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.

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

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SAFETY PRECAUTION

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| <p>1: An isolation transformer should be connected in the power line between the receiver and the AC line when a service is performed on the primary of the converter transformer of the set.</p> <p>2: Comply with all caution and safety-related notes provided on the cabinet back, inside the cabinet, on the chassis or the picture tube.</p> | <p>3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, isolation resistor-capacitor networks etc. Before returning any television to the customer, the service technician must be sure that it is completely safe to operate without danger of electrical shock.</p> |
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X-RADIATION PRECAUTION

The primary source of X-RADIATION in the television receiver is the picture tube. The picture tube is specially constructed to limit X-RADIATION emissions. For continued X-RADIATION protection, the replacement tube must be the same type as the original including suffix letter. Excessive high voltage may produce potentially hazardous X-RADIATION. To avoid such hazards, the high voltage must be maintained within specified limit. Refer to this service manual, high voltage adjustment for specific high voltage limit. If high voltage exceeds specified limits, take necessary corrective action. Carefully follow the instructions for +B1 volt power supply adjustment, and high voltage adjustment to maintain the high voltage within the specified limits.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by mark Δ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is particularly recommended that only parts designated on the parts list in this manual be used for component replacement designated by mark Δ . No deviations from resistance wattage or voltage ratings may be made for replacement items designated by mark Δ .

PRODUCT SPECIFICATIONS

Power source	AC 220~240V, 50Hz
Television system	System B/G
Colour system	PAL/NTSC 4.43
Receiving channel	VHF: E2-E12 CATV: X, Y, Z, S1-S41 UHF: #21~69
Aerial input impedance	75 ohm
AV terminal	AV1: CENELEC standard (with RGB/S-inputs)
21 Pin socket	AV2: CENELEC standard AV2: RCA Terminal, Video and Audio (L/R) input
Sound output (Music)	12 watts x 2
Picture tube	70cm diagonal, 110 degree
(Visible picture diagonal)	66cm
Dimensions (WxHxD)	628 x 567 x 469mm
Weight	30.4 Kg

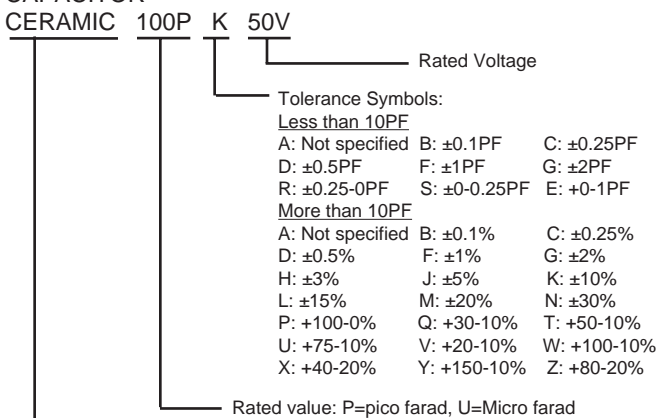
CHASSIS ELECTRICAL PARTS LIST

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark Δ .

Note: Parts order must contain Service Ref. No., Part No., and descriptions.

Read description in the Capacitor and Resistor as follows:

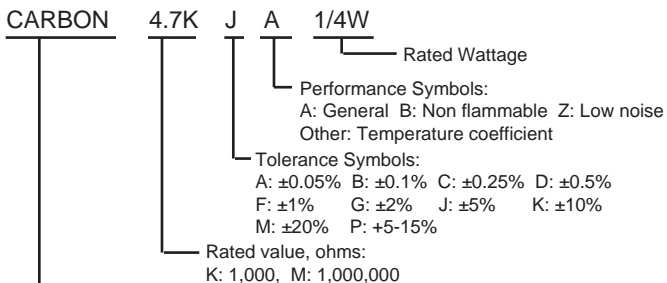
CAPACITOR



Material:

- CERAMIC..... Ceramic
- MT-PAPER..... Metallized Paper
- POLYESTER..... Polyester
- MT-POLYEST.... Metallized Polyester
- POLYPRO..... Polypropylene
- MT-POLYPRO.... Metallized Polypropylene
- COMPO FILM..... Composite film
- MT-COMPO..... Metallized Composite
- STYRENE..... Styrene
- TA-SOLID..... Tantalum Solid
- AL-SOLID..... Aluminium Solid
- ELECT..... Electrolytic
- NP-ELECT..... Non-polarised Electrolytic
- OS-SOLID..... Aluminium Solid with Organic Semiconductive Electrolytic
- DL-ELECT..... Double Layered Electrolytic

RESISTOR



Material:

- CARBON..... Carbon
- MT-FILM..... Metal Film
- OXIDE-MT..... Oxide Metal Film
- SOLID..... Composition
- MT-GLAZE..... Metal Glaze
- WIRE WOUND... Wire Wound
- CERAMIC RES.. Ceramic
- FUSIBLE RES... Fusible

Ref. No. Part No. Description

Service Ref No.: CE28SN3-C-13

Chassis construction

OUT OF CIRCUIT

ASSY,PWB,CRT-MK2 1AA0B10H03500
 ASSY,PWB,SIF 1AA0B10H030GA
 ASSY,PWB,AUDIO 1AA0B10H030GB
 ASSY,PWB,MAIN F2ZHY 1AA0B10H028A0

ASSY,PWB,AUDIO 1AA0B10H030GB
 (SAME AS 1AA0B10H0300B EXCEPT FOR THE FOLLOWING DIFFERENCES)

INTEGRATED CIRCUIT

IC3451 409 418 2901 IC TDA9875/V1

CAPACITOR

C3451	403 051 0607	ELECT	4.7U M	50V
C3452	403 069 9510	CERAMIC CHIP	0.01 Z	50V
C3462	403 012 6818	CERAMIC	15P J	50V
C3463	403 012 6818	CERAMIC	15P J	50V
C3465	403 073 1210	CERAMIC	0.033U K	50V
C3466	403 279 4312	CERAMIC	0.33U K	16V
C3475	403 248 1618	ELECT	47U M	16V
C3476	403 069 9510	CERAMIC CHIP	0.01 Z	50V
C3478	403 018 7413	CERAMIC	220P J	50V
C3479	403 018 7413	CERAMIC	220P J	50V

RESISTOR

R3461	401 038 5310	MT-GLAZE	39K JA	1/10W
R3462	401 037 5618	MT-GLAZE	10K JA	1/10W
R3463	401 038 0216	MT-GLAZE	20K JA	1/10W
R3472	401 038 2012	MT-GLAZE	270 JA	1/10W

COIL

L3451	1AV4L2C42R2KJ	PEAKING COIL	2.2U
L3452	1AV4L2C43R3KJ	PEAKING COIL	3.3U
L3453	1AV4L2C42R2KJ	PEAKING COIL	2.2U

DIODE

D3451	407 169 7919	VARACTOR DI	BBY31
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