





## Sanyo VM-6609 Service Manual

B/w video monitor



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# SERVICE MANUAL

## B/W Video Monitor

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NOTE: 1. Parts order must contain model number, part number, and description.

2. Substitute parts may be supplied as the service parts.

3. N.S.P. : Not available as service parts.

Design and specifications are subject to change without notice.

L8MAA/US,XE,UK,AU

FILE NO.



# **VM-6609**

**(Product Code : 114 901 11)**

**(U.S.A, Canada)**

# **VM-6609P**

**(Product Code : 114 901 14)**

**(Europe)**

**(Product Code : 114 901 16)**

**(U.K.)**

**(Product Code : 114 901 18)**

**(Australia)**

**REFERENCE No.SM5310252**

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B/w video monitor (11 pages)

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### [Monitor Sanyo VMC-8114P Instruction Manual](#)

Colour video monitor (8 pages)

## Summary of Contents for Sanyo VM-6609

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FILE NO. SERVICE MANUAL B/W Video Monitor VM-6609 (Product Code : 114 901 11) (U.S.A, Canada) VM-6609P (Product Code : 114 901 14) (Europe) (Product Code : 114 901 16) (U.K.) (Product Code : 114 901 18) (Australia) CONTENTS SPECIFICATIONS .....3 1.

[Page 2](#) SAFETY PRECAUTIONS WARNING: Service should not be attempted by anyone unfamiliar with the necessary precautions for this recording or playback equipment. The following precautions are necessary during servicing: Many electrical and mechanical parts in

this recorder have Before returning the set to the customer, always perform an special safety-related characteristics for providing protec- AC leakage current check on the exposed metallic parts of tion against shock, fire and other hazards.

### [Page 3: Specifications](#)

SPECIFICATIONS VM-6609 EIA standard System : ° Picture tube : 9" measured diagonally, 90 deflection angle Resolution : More than 800 TV lines (center) Horizontal: 15.75 kHz (EIA), Vertical: 60 Hz (EIA) Scanning frequency : Input terminals : VIDEO A Composite video: 1 line, BNC connector, 1.0 V p-p 75 ohm negative sync...

[Page 4](#) Fig. 1 DISASSEMBLY METAL TOP COVER Fig. 2 - 4 -...

### [Page 5: Operating Instructions](#)

1. OPERATING INSTRUCTIONS 1-1. FRONT PANEL CONTROLS 1. Monitor Selector Switch (VIDEO A/B) Turn this Monitor selector switch A position for a signal fed through the rear panel VIDEO A connectors. Then, turn this Monitor selector switch B position for a signal fed through the rear panel VIDEO B connectors.

[Page 6](#) Fig. 4 Single Connection To Video B INPUT terminal (Video signal cable) Monitor To Video A Monitor INPUT terminal To Video input (Video signal cable) terminal Video recorder To Video input terminal Video recorder Video camera (Rear panel) Fig. 5 Coaxial cable To Video input terminal Monitor...

### [Page 7: Service Adjustments](#)

2. SERVICE ADJUSTMENTS ADJUSTMENT TIMING ADJUSTMENT PROCEDURE SETTING ITEM LOCATION PATTERN CONTRAST VR Turn off horizontal sync. (pin to ground) HORIZONTAL PATTERN GENERATOR VR404 AND BRIGHT Adjust VR404 to make pattern upright. HOLD AD-MODE CROSS-HATCHED VR TO CENTER. JUSTMENT PATTERN CONTRAST VR Set the power switch "ON"...

[Page 8](#) MAIN BOARD (Foil side) VR405 VR302 FOCUS VR402 V-SIZE SUB-BRITE T403 L402 VR404 H-HOLD Q405 T902 VR304 SUB-SIZE VR303 INTERLACE VR301 V-LINE Fig. 8 MAIN BOARD VR BOARD (Foil side) VR BOARD SW901 LED1 VR406 VR201 SW202 CONTRAST BRIGHTNESS CHANNEL Fig.

### [Page 9: Parts List](#)

3. PARTS LIST Note: Alphabetic characters enclosed by ( ) in the descriptions indicate destination for the VM-6609P. VM-6609P(AU): Australia VM-6609P(XE): Europe VM-6609P(UK): United Kingdom VM-6609: NTSC area (U.S.A., Canada) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION CABINET & CHASSIS PARTS...

[Page 10](#) ELECTRICAL PARTS Note: 1. Materials of Capacitors and Resistors are abbreviated as follows ; Resistors Capacitors CF RES Carbon Film Resistor MEF CAP Metallized Polyester Film Capacitor MF RES Metal Film Resistor (Non-inductive) MOF RES Metallized Oxide Film Resistor MEMB CAP Mini Box Metallized Polyester Capacitor (Non-inductive) PEI CAP...

[Page 11](#) LOCATION PARTS NO. DESCRIPTION LOCATION PARTS NO. DESCRIPTION R222 645 045 9610 CF RES 200OHM 1/4W 5% T 52MM (VARIABLE RESISISTERS) VR301 645 034 3483 POT VR 100KOHM 6DIA. R223 645 045 9764 CF RES 680KOHM 1/4W 5% T 52MM R224 645 034 2028 CF RES 220OHM 1/4W 5% T 52MM...

[Page 12](#) CONNECTOR BASE M241855 ACCESSORIES & PACKING MATERIALS B204 645 046 0388 CONNECTOR BASE M241854 645 038 5933 POWER CORD NS8-5175N [VM-6609] CRT GND 645 034 3667 CONNECTOR BASE P235142 645 034 3971 POWER CORD 10-1VDE [VM-6609P(XE)] 645 040 9264 POWER CORD NS8-5181N [VM-6609P(UK)]...

### [Page 13: Circuit Diagrams](#)

4. CIRCUIT DIAGRAMS BLOCK DIAGRAM OVAEALL WIRING VIDEO PWB MAIN PWB MAIN PWB VR PWB B404 B403 B202 ORANGE R221 YELLOW D406 VR402 C213 BRIGHT VR WHITE BLUE R421 VR405 R227 R914 BLACK POWER LED B203 BLUE R228 C212 GREEN D408 Q203 B204 B206 L404...

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[Page 18](#) SANYO Electric Co.,Ltd. Osaka, Japan Feb./ '01 / 2300 MI Printed in Japan...

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[Vm-6609p114 901 11114 901 14114 901 16114 901 18](#)