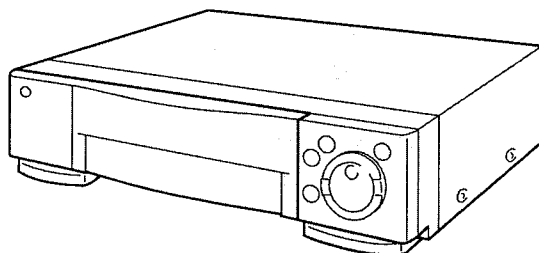


Service Manual

Video Cassette Recorder

General Description**Adjustment Procedures****Block / Schematic Diagrams****Exploded Views / Parts List**
Panasonic **S VHS** VHS
625 PAL SECAM
Hi-Fi HQ**NV-HS900F****K-MECHANISM****SPECIFICATIONS**

ITEM	SPECIFICATION	ITEM	SPECIFICATION
POWER	SOURCE: 220–240 V AC 50/60 Hz	AUDIO	OUTPUT: EURO AV (AV1, AV2) Connectors (21 pin) – 6 dBV (500 mV), Less than 1 k Ω AUDIO OUT Connector (Phono type) – 8 dBV (400 mV), Less than 1 k Ω HEADPHONE JACK – 30 dBV, 8 Ω
	CONSUMPTION: 32 watts		TRACK: 1 track (Normal-mono only) 2 channels (Hi-Fi Sound-Stereo)
RECORDING SYSTEM	2 rotary heads, helical scanning system PAL/SECAM	TAPE FORMAT	S-VHS, VHS Cassette tape (Tape width 12.7 mm)
TV TUNER SYSTEM	VHF I: CH2–CH4 (SECAM L) CHE2–CHS3 (PAL B)	TAPE SPEED	SP: 23.39 mm/s (PAL), 33.35 mm/s (NTSC) LP: 11.695 mm/s (PAL), 11.12 mm/s (NTSC) Record/Playback Time: SP: 4 hours with 240 min. type tape LP: 8 hours with 240 min. type tape FF/REW Time: 2.5 min. with 180 min. type tape
	VHF III: 121–174 MHz CH5–CH10, 216–393 MHz (SECAM L) CHS4–CHS41 (PAL B)		
VIDEO	VHF H: 393–470 MHz (SECAM L) UHF: CH21–CH69 (SECAM L/PAL G) 75 Ω terminated	OPERATING TEMPERATURE	5°C–40°C
	HEADS: 4 rotary heads 1 pair for SP recording, playback and trick play (L-R heads) 1 pair for LP recording, playback and trick play (L' -R' heads) 1 flying erase head	OPERATING HUMIDITY	35%–80%
	INPUT: EURO AV (AV1, AV2) Connectors (21 pin) 1.0 Vp-p, 75 Ω unbalanced S-VIDEO IN (AV3) Connector 1.0 Vp-p, 75 Ω unbalanced VIDEO IN (AV3) Connector (Phono type) 1.0 Vp-p, 75 Ω unbalanced	DIMENSIONS	430(W) × 107(H) × 356(D) mm
	OUTPUT: EURO AV (AV1, AV2) Connectors (21 pin) 1.0 Vp-p, 75 Ω unbalanced S-VIDEO OUT Connector 1.0 Vp-p, 75 Ω unbalanced VIDEO OUT Connector (Phono type) 1.0 Vp-p, 75 Ω unbalanced	WEIGHT	5.4 kg
AUDIO	HEAD: 1 Stationary head (Normal Audio) 2 rotary heads (Hi-Fi 2CH)	STANDARD ACCESSORIES	1 pc. DIN-RF Cable 1 pc. Infra-red Remote Controller 1 pc. Audio Cables 1 pc. AC Mains Lead 1 pc. S-VIDEO 4P Cable 1 pc. Edit 5P Cable 1 pc. EURO AV 21 P Cable
	INPUT: EURO AV (AV1, AV2) Connectors (21 pin) More than –6 dBV (500 mV), More than 10 k Ω AUDIO IN (AV3) Connector (Phono type) More than –10 dBV (316 mV), More than 47 k Ω MICROPHONE JACK –70 dBV		

Weight and dimensions shown are approximate.
Specifications are subject to change without notice.

Panasonic

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△ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

INTRODUCTION

This service manual contains technical information which will allow service personnels to understand and service this model.

Section 1 presents you with technical know how for actual servicing and general information of features and controls, enabling you to become familiar with each function.

Section 2 presents to your mechanical and electrical adjustment information as well disassembly and replacement procedures.

In the case of very common information relating to other models like mechanical adjustments, please refer to the appropriate service manual.

Section 3, 4 contains block diagrams which provides you with information for checking and understanding each circuit. Schematic diagrams which give you detailed information such as waveforms, voltage data, function e.t.c. ...

Section 5 contains exploded views and parts list.

Please place orders using the parts list and not the drawing reference numbers.

If the circuit is changed or modified, this information will be followed by supplementary service manual to be filed with original service manual.

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