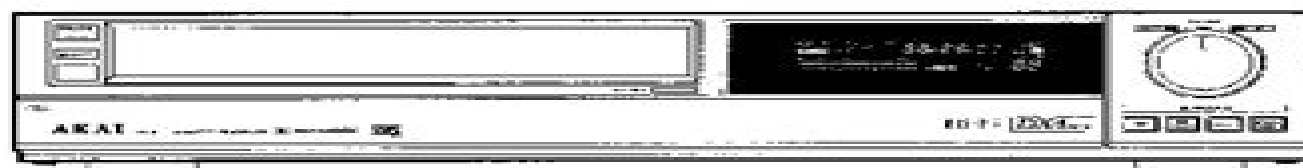


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VIDEO CASSETTE RECORDER

MODEL VS-A77EK

SPECIFICATIONS

Format	VHS standard (PAL)	Type speed	
Video recording system	Rotary, drum azimuth two-head helical scan system	SP mode	23.39 mm/sec.
Rotary heads	Four video heads & two audio heads	LP mode	11.695 mm/sec.
RF input	System 1 with monaural or multiplexed 2-channel audio (NICAM)	Quick index	
RF output	UHF ch 21 - 69 System 1 type modulation LBS ch 30 - 39 adjustable (preset ch 38)	SP mode	Approx. 7 times normal speed
Recording (line input)	PAL	LP mode	Approx. 3 times normal speed
Playback (line output)	PAL	FF, REW time	Approx. 5 min. with E-180 cassette
Video		Time	
Line input level	0.5 - 2.0 Vp-p/75 ohms, unbalanced	Program	8 programs/1 month and CLOCK TIMER
Line output level	1.0 Vp-p/75 ohms, unbalanced	Clock reference	Quartz crystal
S/N ratio	More than 45 dB	Display	TV screen & PL (Tape counter, Time etc.)
Horizontal resolution	More than 250 lines	Power Amplifier	
Audio	(VHS HF1: 1ch, Linear: 1ch) -8 dBm/50 K ohms, unbalanced	Power output	8 watts per channel, min. RMS, 8 ohms, 90 - 20,000 Hz, THD 0.5%
Line input level	(-20 dBm at Recording level control max.)	Power requirement	200 - 240 V AC, 50 Hz
Line output level	-6 dBm/1 K ohms, unbalanced	Power consumption	46 W
Distortion rate	More than 90 dB (VHS HF1)	Operating temperature	5°C - 40°C
Frequency response	20 - 20,000 Hz (VHS HF1)	Dimensions	425(W) x 320(H) x 418 (D)
Wow & Flutter	Less than 0.005% WRMS (VHS HF1)	Weight	7.5 kg
Recording/playback time	240 min. with E-240 cassette on SP mode 480 min. with E-240 cassette on LP mode	Standard accessories	
		Antenna cable	1
		Remote control unit	1
		Batteries for remote control	4
		Operator's manual	1
		Function sheet	1

* For improvement purposes, specifications and design are subject to change without notice.

Akai Vs A77ek Video Cassette Recorder Repair Manual

Richard C. Wilkins, Cheryl A. Hubbard



Akai Vs A77ek Video Cassette Recorder Repair Manual:

Chilton's Guide to VCR Repair and Maintenance Gene B. Williams, Tommy Kay, 1985-09 Akai 55EK Video Recorder Service Manual Akai Denki Kabushiki Kaisha, **Troubleshooting and Repairing Audio and Video Cassette Players and Recorders** Homer L. Davidson, 1992-12-01 Few repair manuals have a larger audience than this money saving do it yourself's guide. It contains all the information necessary to prevent, diagnose or fix typical problems with audio video cassette players/recorders popular in today's high tech home. Homer Davidson's coverage ranges from basic cleaning/maintenance to performing repairs on everything from portable cassette players to state of the art digital audio tape players. All with only a few simple test instruments/hand tools. A complete glossary list of manufacturer's addresses is included.

Practical VCR Repair David T. Ronan, 1994 This textbook bridges the gap between the sometimes overly simple VCR repair guides aimed at the average do it yourself and the highly technical manuals designed for use by experienced radio and TV bench technicians. Complete coverage includes both the how's and why's of maintaining VHS VCRs as well as discussion of the practical aspects of interfacing with VCR repair customers. Everything from reading schematics to use of test equipment to tips for protecting the VCR and the technician during servicing are included. The reader friendly style supported by numerous photos and illustrations and a comprehensive glossary of acronyms and abbreviations makes this book ideal for use by today's electronics students. **Service Manual** Panasonikku Kabushiki Kaisha, 198? **VCR Troubleshooting & Repair Guide** Robert C. Brenner, Gregory R. Capelo, 1987 **VCR Troubleshooting and Repair** Robert Brenner, Gregory Capelo, 1998-08-26 The labor costs of even a minor VCR repair are very high and warranties typically only cover the first 90 days of ownership. The first four chapters of this practical guide allow do it yourselfers to take charge of maintaining and repairing their own VCRs for optimum performance. Basic VCR and recording principles are explained so you can gain a better understanding of how your machine operates. Advanced troubleshooting techniques covered in the later chapters allow technicians and advanced hobbyists to make more complex repairs and adjustments. Basic troubleshooting guidelines and flow charts aid in diagnosis including chassis and mechanical failures. VCR Troubleshooting Repair focuses on preventative maintenance. Basic electronics principles are presented as they relate to VCR performance. THE AUTHORS Gregory R. Capelo is the owner of a VCR and VTR repair facility in El Cajon, California. He has serviced broadcast consumer and industrial video equipment for more than 14 years. He has taught numerous technical courses to private government and industrial technicians on the theory and maintenance of video and television equipment. Currently a trainer for Panasonic, he has been an expert witness in VCR patent infringement cases. Robert C. Brenner is an engineer and lecturer with extensive experience in microcomputers and system repair. He has written several successful books including earlier editions of *VCR Troubleshooting and Repair*. Revised with technical input from major VCR manufacturers. Step by step details to maximize performance. How to avoid breakdowns. **Your VCR** Brent Butterworth, 1992 VCR formats installation

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