

VCR Technical Tips- Possible problems & their remedies:

- 1-Daewoo** Model: DV-F26N, DV-F28N, DV-F34N, DV-F44N, DV-F46N, DV-F48N, DV-F54N
- Symptom: No tuner video or audio. No playback video. Playback audio is OK.
- Problem: Defective transistor Q601 located under deck assembly on Main printed circuit board next to shield of power supply.
- Solution: Replace Q601 (KTC3205Y). ECG #293.
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- 2-Funai** Model: Sylvania LV226G Also manufactured as Hitachi VT-MX421, etc. & Magnavox VRX222AT21, etc. (all **VCRs with FCC ID #ADTVCR226G**)
- Symptom: Won't play for more than a few seconds to a few minutes. Goes to stop mode and power shuts off. Usually "1" flashes in fluorescent display (for models that have display). When power is turned back on, tape ejects.
- Problem: Defective (weak) Sensor LED D511 located on Main printed circuit board in center of board. This LED transmits IR to a reel sensor through a prism. When replacing this LED, also line up prisms as best as you can. They are manufactured in a way that they aren't exactly lined up. If this LED is totally dead, empty cassette tray will try to load and then power will shut off.
- Solution: Replace D511 with MCM part #25-480 (best) Phone #1-800-543-4330; or Hitachi part #TC10606 (next best).
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- 3-Hitachi** Models: VT-F390A, VT-F391A, VT-M294A, VT-M392A
- Symptom: Tape stuck in VCR. When power is turned on, it comes up for about 2 seconds and then shuts off. Won't eject tape. If tape is manually removed, power stays on, but if tape is inserted again, it does the same thing.
- Problem: Defective (open) resistor R901 on Always 13.5 volt line to pins 7 and 8 of IC904 located to the front side of switching regulator.
- Solution: Replace R901. 2.2 ohms 1/4 watt fusible.

4-Jvc

Models: HR-A63U, HR-J640U, HR-J643U

Symptom: Makes a buzzing noise but all functions work OK including menu, channel changing and tape functions.

Problem: Defective capacitor C910 located on Main printed circuit board in primary side of power supply.

Solution: Replace C910. 82MF 200V.

5-JVC

Models: HR-JG10U, HR-VP612U

Symptom: Power turns on and then shuts off after a few seconds. Won't accept a tape. No functions work.

Problem: Defective transistor Q884 (switched 12 volts) located in Switching Regulator section of Main printed circuit board.

Solution: Replace Q884. JVC #DTA114EU.

6.Magnavox

Models: VRT222AT21, VRT242AT21, VRT262AT21, VRT322AT21, VRT342AT21, VRT344AT21, VRT642ATO1, VRT662ATO1, VRT762ATO1.

Symptom: Tape will play OK and do scan functions OK, but won't rewind or fast forward. VCR tries for several seconds and then goes to stop.

Problem: Brake assemblies not staying latched away from reels. Worn main lever latch located at right rear of deck unit, under main cam gear.

Solution: Replace latch. Philips part #4835 256 97289 (about \$1.50).

I-Panasonic Models: PV-7400, PV-7401

Symptom: No display, but all functions perform normally, including menu, ~~on-screen display, channel changing, tape functions and timed recordings.~~

Problem: Defective resistor R1024 (-30Volt line) located in power circuit on Main printed circuit board. No -30 volts to IC6301 (Indicator Panel Control) pin 40.

Solution: Replace R1024.120 ohms 1/4 watt fusible.

S-ProScan
(RCA)

Model: PSVR72

Symptom: Will accept and eject a tape, but if any tape function is accessed VCR goes to stop mode and the power shuts off in a few seconds. No video or audio from tuner or playback.

Problem: Defective transistor Q1051 (+12 volt regulator) located on Main printed circuit board in rear center behind deck unit.

Solution: Replace Q1051 (2SC3852). ECG #5'6,

9-RCA

Models: VR336, VR522

Symptom: When power is turned on, cylinder spins at high speed. Accepts and ejects tapes OK. When play is selected, shows a snowy screen with no video and goes to stop mode in 3 to 4 seconds. Rewind and fast forward goes to stop in 3 to 4 seconds. Tuner video and audio are OK

Problem: Defective diode D204 located on Main printed circuit board to the right of the take up reel. On the Motor Control line.

Solution: Replace D204 (1N4148). ECG #519.

10-RCA

Models: VR676HF, VR678HF

Symptom: Dead. No display. No functions.

Problem: Defective IC801 (switching control) in primary side of power supply section of Main printed circuit board.

Solution: Replace IC801. RCA #219269 (about \$5.00).

11-Samsung Model: VR5605

Symptom: Power won't turn on from power button or with remote control. Display is lit and power supply voltages check good. Unit will accept a tape and go to loaded position (tape will play if record safety tab is removed from cassette), but no functions will work from the front panel or the remote control.

Problem: Defective diode D719 located on the Function/Timer printed circuit board behind the fluorescent display. It is incorrectly marked "W711" on circuit board.

Solution: Replace D719 (1N4148). ECG #519.

12-Sony

Models: SLV-360, SLV-390, SLV-660HF, SLV-690HF

Symptom: Dead. No Display. One or two segments of fluorescent display may be lit. No functions. Won't accept or eject tapes. Power supply voltages are OK.

Problem: Defective crystal vibrator X501 on Main printed circuit board near middle of board.

Solution: Replace X501.16 MHz. Sony part #1-760-494-11.

13.Sony

Model: SLV-750HF

Symptom: No tuner video or audio. Accepts a tape and loads around the drum and then immediately unloads. Tape is left hanging out of cassette.

Problem: Defective IC132 (+12 volt regulator) located on MA-144 printed circuit board on heat sink near middle of board. No drum or capstan rotation.

Solution: Replace IC1 32 (PQI 2RF11). Sony part #8-759-513-72.

14-Toshiba Model: M-750

Symptom: No menu functions. Screen goes blank (gray) when program button on remote control is pushed. Time, tape count etc. is displayed on the screen in black instead of white.

Problem: Defective capacitor C368 located on OSD SW printed circuit board (small board screwed to cabinet behind deck assembly).

Solution: Replace C368.1MF 50V (non-polarized).

15-Zenith Model: VRA211, VRA411, VRA421

Symptom: Playback of both SP and EP tapes are fuzzy, streaked and in black and white. Records good video and color in both SP and EP. Check by playing back on a known good VCR.

Problem: Defective resistor R381 located on Main printed circuit board under shielded section at the rear of board. Off pin 30 of IC302. R381 has increased in resistance to about 300 K ohms.

Solution: Replace R381. 220 ohms 1/6 watt.

N-Zenith Models: VR2107, VR4106, VR4107, VR4126, VR4127, VR4137, VR4206HF, VR4207, VR4226HF (and others)

Symptom: While playing a tape, sometimes for as long as an hour or even more, VCR goes to power off and when power is turned back on, tape ejects and "ERR" shows in the fluorescent display (on those with display). OR: cassette tray continually tries to load and unload without a tape inserted at power on. After about 3 times of doing this, power shuts off.

Problem: Defective IR LED LD501 located on Main printed circuit board under middle of deck assembly. Be sure to observe polarity of LED when removing old one and installing new one. Be careful not to break tabs off collar that sits over LED.

Solution: Replace LD501 with rework kit- Zenith part #903-01487-U which contains new type LED and 3 resistors. Instructions come with the kit. R557 is located next to mode switch connector PMD04. R550 is located directly under take-up reel of deck. Value across R550 should be 110 ohms after completing installation. Cost of kit is less than **\$2.00**.