



VCR AUTO-TRACK FIX KIT Z94-16

TOPIC: Unable to auto-track / video break-up on some pre-recorded tapes with J2 and L Line VCRs.

Auto tracking problems with rental or pre-recorded tapes has occurred on 1992 J-2 and 1993 L line VCRs. The symptom is a break-up of the video, with audio slur, that occurs every 8-10 seconds. Placing the VCR in the manual tracking mode by depressing the adjust key in most cases does not cure this situation.

The problem can be corrected by the installation of a transistor and resistor on the foil side of the PCB between IC201 and IC202. The transistor is to be mounted near the pin 56 end of IC201. Cut foil between IC201 pin 56 and the W2C4 jumper pad. Solder the base of the transistor to IC201 pin 56 foil pad. Solder the collector and one end of the 10K resistor to the foil pads of jumper W2C4. The foil from the jumper (W2C4) pads connect to pin 17 of IC202. It will not be necessary to run a separate wire to pin 17. Solder the other end of the 10K resistor to +5 volts at jumper W2H5. Put an insulating sleeve on the emitter lead and then solder the emitter lead to pin 5 of IC201, which is ground. Place a piece of plastic electrical tape under the transistor. Carefully install the transistor as close to the PC board as possible, maintaining proper dress lead and safety. Refer to the diagram.

Note: This modification was installed by the factory on some very late production 1993 L line VCRs and all 1994 production. The 1994 production will have the digit 4 as the first number in the serial number. Late 1993 production will have to be checked to see if the modification has already been installed.

