

## VTR

Date: **December 6, 1993**

Subject: **FIRMWARE UPGRADE—VERSION 1.20**

Model: **BKPF-101CA**

Serial No: **10,001–10,570**

### DESCRIPTION

A Version 1.20 firmware kit is now available to eliminate possible picture peeling when a VTR STAND-BY mode signal is fed to the BKPF-101CA.

**NOTE:** For vertical blanking in 625 mode, line 623.5 through line 5, and line 311 through line 318 are blanked.

### KIT DESCRIPTION

The kit consists of the following components:

- 150 $\mu$ H Inductor
- 56pF Capacitor
- 220pF Capacitor
- 1k $\Omega$  Resistor
- PROM 57C291C-35-ADC12-V1.20 (Qty. = 2)

### PARTS REQUIRED

Part No.	Description	Qty.
ESP101K1	BKPF-101CA V1.20 Firmware Kit	1

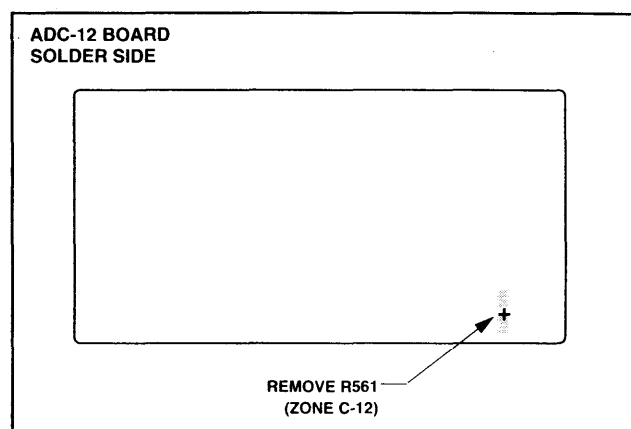
### INSTALLATION PROCEDURE

#### ADC-12 Board Solder Side (See Figure 1.)

1. Turn power off.
2. Remove ADC-12 board.
3. Remove R561 (zone C-12).

#### Component Side (See Figures 2 and 3.)

4. Solder together **one** lead of each of the following:  
1k $\Omega$  resistor—56pF capacitor—150 $\mu$ H inductor



**Figure 1**

5. Solder other lead of the 1k $\Omega$  resistor to ICB12-7.
6. Solder other lead of the 56pF capacitor to GND.
7. Solder other lead of 150 $\mu$ H inductor to ICB12B pin 5.
8. Solder 220pF capacitor between ICB12B pin 5 and ICC12 pin 15 (GND).

**CAUTION:** Programmable devices are easily damaged by static electricity. Make sure the equipment is powered OFF and you are grounded to the unit with a cable that contains a 1M $\Omega$  resistor between you and GND when installing programmable devices. Work with caution when grounded to the unit.

9. Replace ICH11 (zone H-11) with new PROM.
10. Replace ICJ11 (zone J-11) with new PROM.

### CONFIRMATION

11. Verify that a picture is normal on a monitor in the configuration shown in Figure 4.

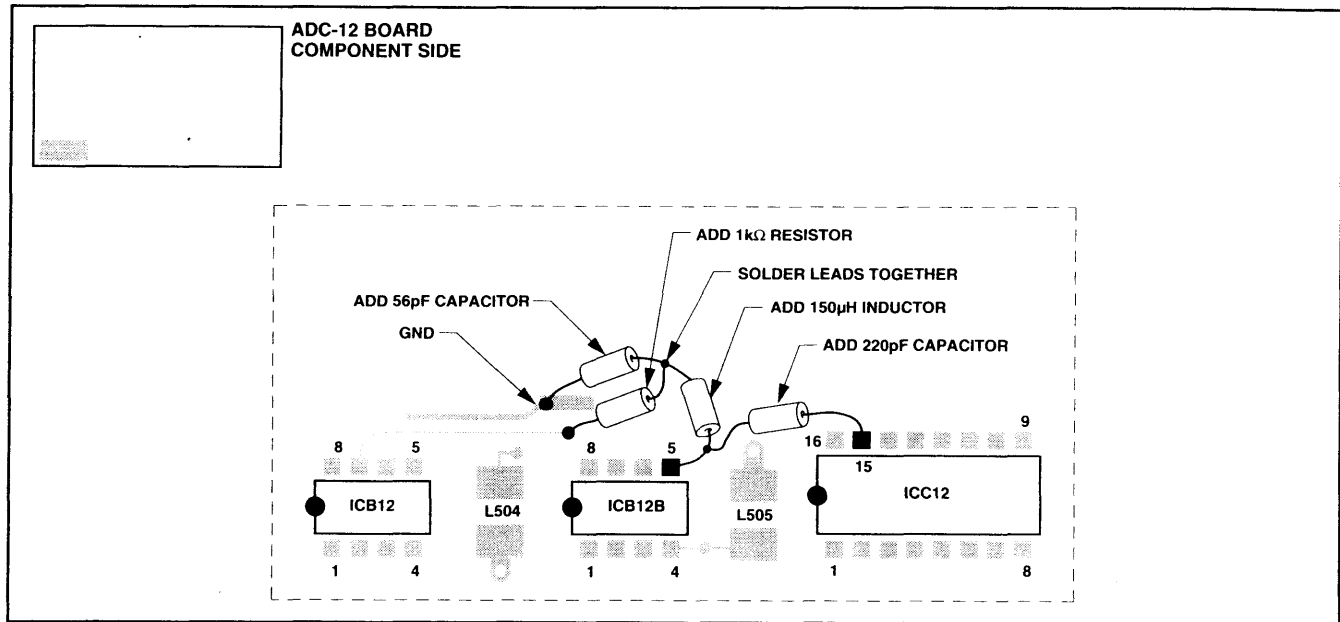


Figure 2

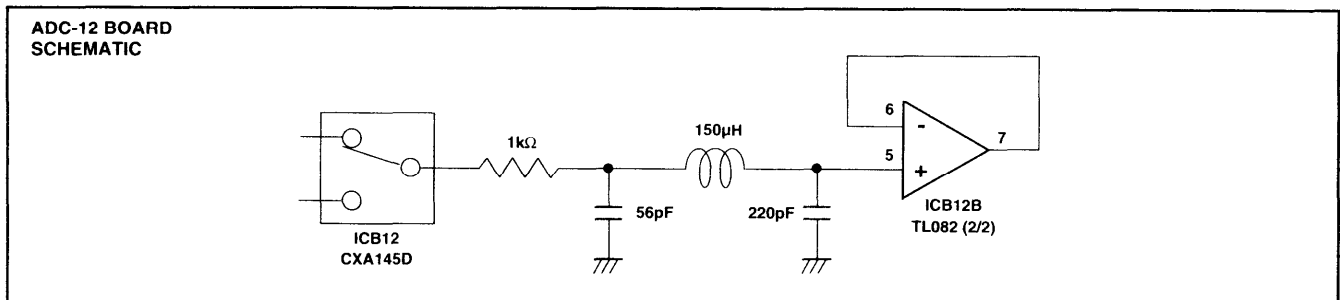


Figure 3

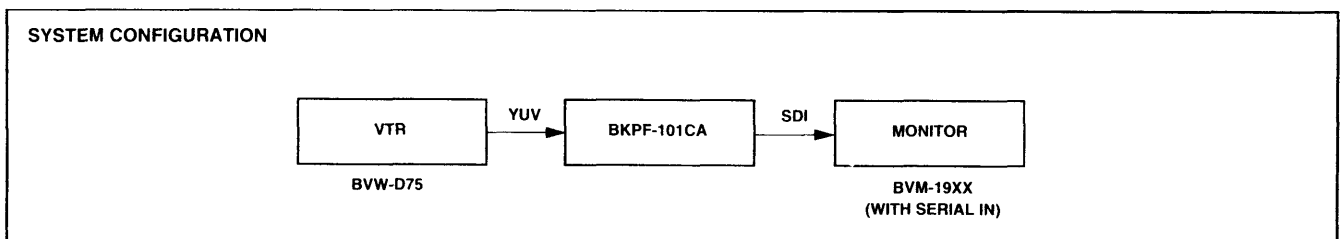


Figure 4