

## **Technical Tips**

### **Black Out on Screen**

If the screen blacks out after the game has been played for a short interval check C106 for proper polarity. If polarity is wrong replace C106.

### **Purple Monkey**

In Donkey Kong, if the monkey, Mario and the barrels are purple, rather than their normal colors, replace U9.

### **Joystick Game Selection**

If the keypad does not control the game selection, only the joystick can be used to select games, replace U6.

### **Channel 3 But Not Channel 4**

Channel 3 operates normally but channel 4 works only if the game is turned off and then turned back on again, (or vice versa) replace RF board.

### **Not All Cartridges Function**

Game does not accept all and/or any cartridges. Examine C70 for mechanical obstructions. Is it flopped over flat on board? Replace U5.

### **Vertical Lines**

Vertical lines on background rather than solid blue background with no lines. Replace C106.

### **Skips Menu**

Menu is skipped. This is the blue screen with skill levels. Check pins 3-9 of U18 with DVM. If any pin is below 2.2VDC change U18. Check pins 2-8 of U18 with DVM. If any pin is below 2.2VDC, change U19.

### **No Explosion**

If there is no explosion, a sound testing the noise generator, on the final test, replace U20.

### **12 VDC Is Shorted to —5VDC**

Examine WJ2 to see if it has shorted to adjacent test points.

### **No RF Voltage**

If there is no voltage to RF board, check WJ2.

### **No Color**

If color has disappeared, check frequency at J4 Pin 8. Correct frequency is 3.57954 MHz  $\pm$  100 Hz. If the frequency is incorrect, check the clock circuit.

### **Double Image**

Replace U9 for double images.

### **Wavy Picture**

If the picture is wavy, ensure that R62 is 270 $\Omega$  and C90 is 120pF. If they are incorrect, replace them. Check Q2, if it is an ITT transistor, replace it.

### **Incorrect Scoring**

If scoring is not working properly, replace U3 and/or U4.

### **Wrong Frequency**

3.579 MHz clock is the wrong frequency. If U22 is a Texas Instrument I.C., replace it.

### **Bad Spinner Interface**

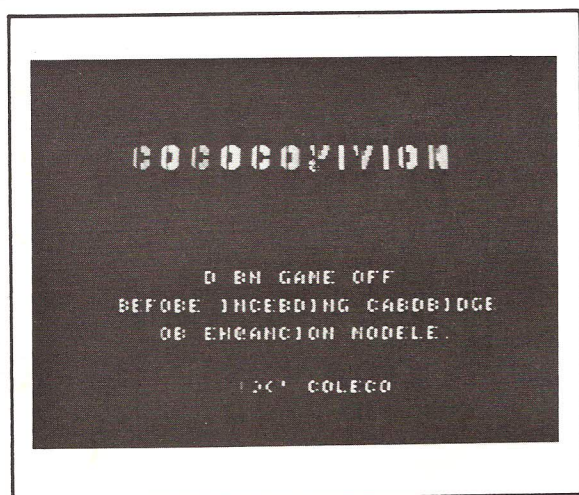
Spinner interface is not working. If U24 is a Texas Instrument I.C., replace it.

### **Slow Game**

If game is running abnormally slow, replace U20.

# Scrambled Picture

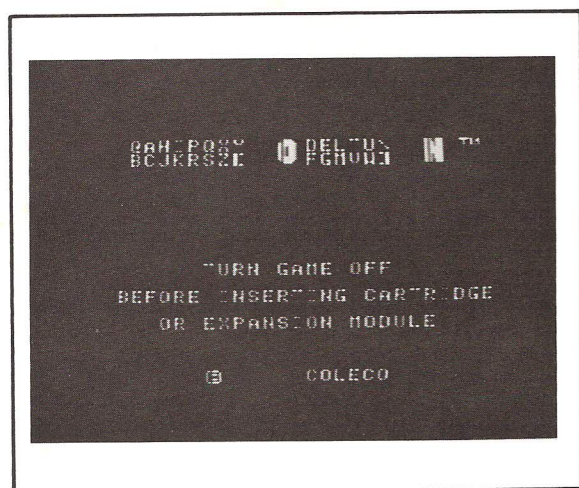
If the following images appear on your screen (at this point no cartridge or expansion module is being used) rather than "ColecoVision Presents" make adjustments as directed below each example.



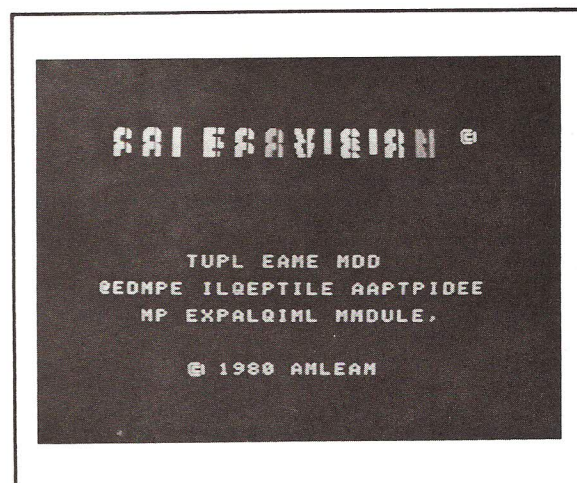
**Replace U10**



**Replace U11**

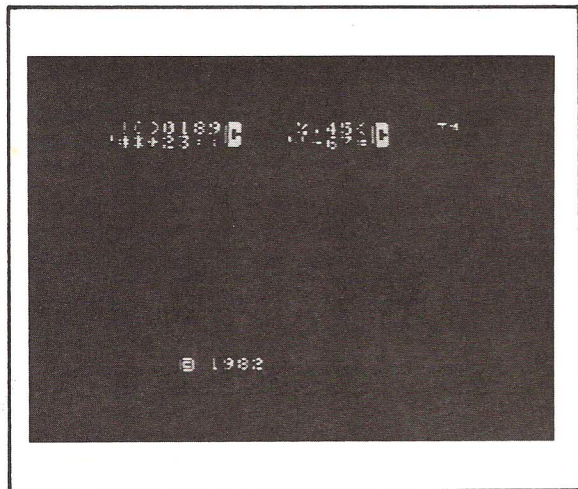


**Replace U12**



**Replace U13**





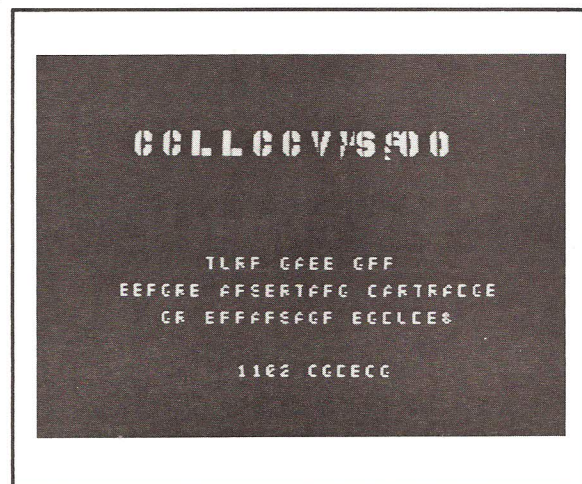
**Replace U14**



**Replace U15**



**Replace U16**



**Replace U17**