

# SONY®

## 19" VIDEO DISPLAY

### SI-319S CGA (15-khz)

#### FEATURES

256 Color Capability  
Custom Frames Designed To Fill All Machines  
Available With Touch Screen  
Best Warranty & Service In The Industry  
Freevolt - No Isolation Transformer Needed  
Both Front & Rear Controls  
Full Time Service Department

SUPER FLAT SCREEN

256 COLOR CAPABILITY

### SPECIFICATIONS

#### 1. CRT

a) SONY -A- Grade CRT

#### 2. INPUT SIGNALS

- a) Video : RGB analog, 1v to 5v peak-to-peak  
b) Optional inputs available  
    ♦ Negative video  
    ♦ RGB analog 0~0.75v, 75 ohm input impedance  
c) Sync: TTL positive or negative going, separate or composite.

#### 3. HORIZONTAL SCAN

- a) Width : Adjustable with just one coil to accommodate active video from 40 usec to 50 usec.  
b) Frequency : 15.75                      c) Linearity : ±5%

#### 4. VERTICAL SCAN

- a) Frequency : 47Hz to 63Hz              a) ±2% (max)  
b) Linearity : ±5%

#### 5. GEOMETRIC DISTORTION

#### 6. VIDEO CHARACTERISTICS

- a) Bandwidth (-3db) 12 MHz typical  
b) Rise Time: Less than 50 nanoseconds

#### 7. MECHANICAL

- a) Standard Universal Base Mount Frame. Optional Casino style frame available.  
b) Monitor can be mounted in user's cabinet horizontally or vertically.

#### 8. USER ADJUSTABLE FRONT CONTROLS AND ADJUSTMENTS

- a) Brightness, Contrast, Horizontal Hold, Size & Position, Vertical Hold, Size & Position.

#### 9. POWER INPUT

- a) 85 Volts to 235 Volts, 50~60Hz, 85W (max).    b) Free Volt System - **ISOLATION TRANSFORMERS NOT REQUIRED**

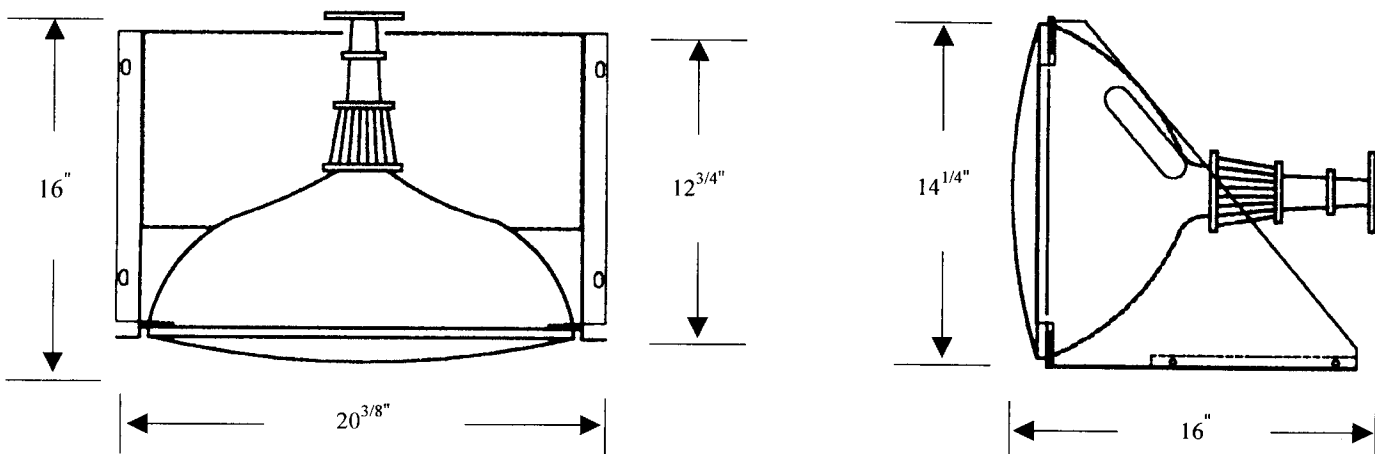
#### 10. SAFETY CONDITIONS

- a) Complies with U.L., C.S.A., T.U.V., and D.H.H.S. radiation performance standard

A/C INPUT		VIDEO OUTPUT	
Pin	Description	Pin	Description
1	AC Hot	1	Red
2	Earth Ground	2	Green
3	AC Neutral	3	Blue
		4	Gnd
		5	+/- Vertical Sync
		6	+/- Horizontal Sync

**1 YEAR UNCONDITIONAL WARRANTY**

### Mechanical Dimensions

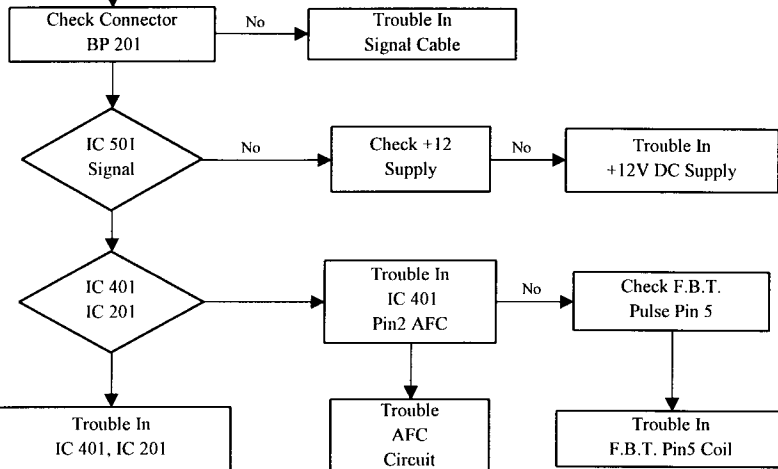


**SHARP  
IMAGE**  
ELECTRONICS, INC.

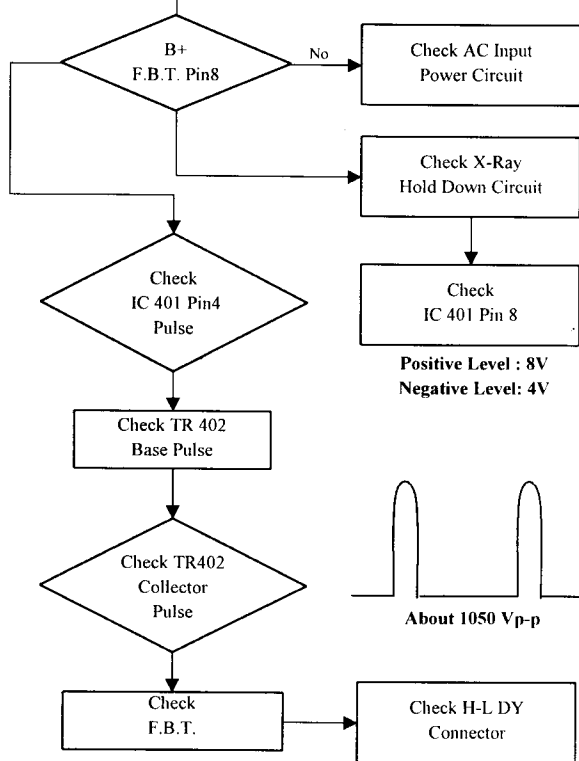
9160 Jordan Avenue • Chatsworth, CA 91311 • Phone (818) 341-8000 • Fax (818) 341-8144  
www.sharpimage.net

# SI-319S TROUBLESHOOTING CHART

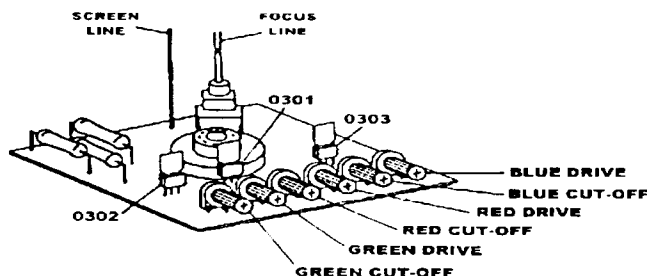
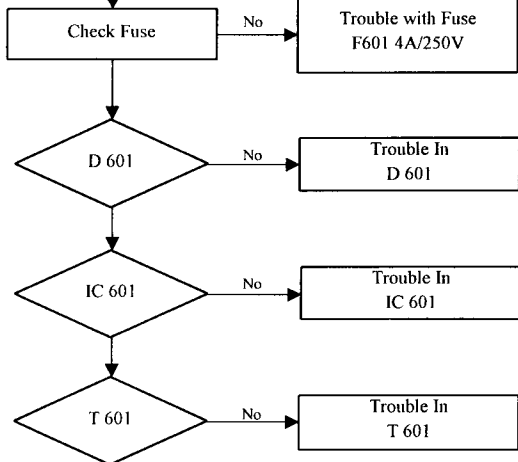
## Trouble In Horizontal or Vertical Sync



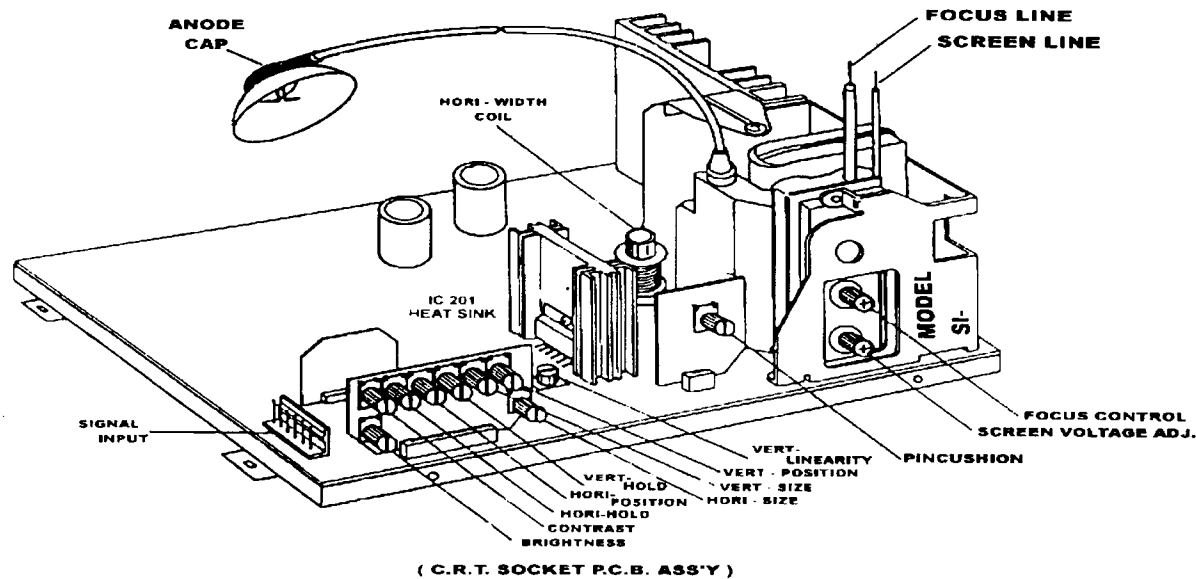
## No High Voltage



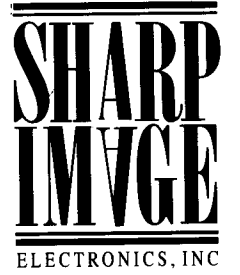
## No Power



## CONTROLS AND ADJUSTMENTS MAIN P.C.B. ASS'Y



( C.R.T. SOCKET P.C.B. ASS'Y )



SI-319S  
19" SONY - MF

