

# Kaga/TSK/Nanao model KZ-9H Monitor Repair Guide

## **GENERAL INFORMATION:**

Has “Nanao 6B00120A1” silkscreened on the main board and “Nanao 6B00121A1” silkscreened on the neckboard. Switches S201 and S202 allow you to select the sync polarity, positive or negative. S201 is the horizontal sync switch and S202 is the vertical sync switch. This 9” color monitor was used in the Merit “Pit Boss” and “House of Cards” countertop games.

## **CRT INFORMATION:**

Uses a 270AEB22 tube. Test this with a B & K rejuvenator socket adapter # CR-31 (6.3 volts).

## **MANUFACTURER CONTACT INFORMATION:**

TSK Electronics Corp.  
A Kaga Denshi Subsidiary  
1524 Highland Avenue  
Duarte, California 91010  
Phone: (213) 357-9991

Company went out of business long ago and the above is for reference only. Kaga/TSK were rebranded Nanao monitors anyway.

## **CAPACITOR KIT:**

C105	10 uf @ 16 volts	C108	10 uf @ 25 volts	C201	10 uf @ 25
	volts				
C202	1 uf @ 50 volts	C206	10 uf @ 25 volts	C408	10 uf @ 50
	volts				
C502	1 uf @ 50 volts	C503	1 uf @ 50 volts	C506	10 uf @ 50
	volts				
C507	100 uf @ 16 volts	C513	47 uf @ 63 volts	C518	100 uf @ 100
	volts				
C519	470 uf @ 16 volts	C523	4.7 uf @ 250 volts	C904	10 uf @ 200
	volts				
C906	22 uf @ 200 volts				

## **TROUBLESHOOTING:**

No picture and fuse is blown: Capacitor C513 shorts which causes resistor R525 to burn up and then fuse F902 blows. C513 was originally a 47 uf @ 50 volt electrolytic capacitor which was rated too low on voltage. It is suggested to replace it with either a 47 uf @ 63 volt or 100 volt capacitor. Resistor R525 is an 82 ohm ¼ watt 5% tolerance. Fuse F902 is a 0.4 amp GMA type.

Brightness problems: Resistor R316 on the neckboard is known to go bad. It is a 470 k ¼ watt

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5% tolerance type. It is suggested to replace it with one rated at ½ watt instead. This is in the “screen” (G2) circuit.

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