

## **GENERAL INFORMATION:**

This is a “universal” replacement chassis for 19 - 20 inch tubes that can be used to replace chassis from these competing manufacturers that use a high impedance (30 to 56 ohms) on the yoke vertical section: Nintendo Sanyo, Kortek, Eygo 1H, Promax C5100, and Nanao. This chassis requires operation with an isolation transformer. Standard resolution (CGA) mode. To identify this chassis, remove the screws around the outer perimeter of the black plastic circuit board frame and carefully lift the circuit board out of it. Flip the board over and on the foil side next to the fuse holder clips should be “1820HR” silkscreened in the foil. The manufacturing date should also be silkscreened directly below that.

The neck board is marked “428H CRT” on the foil side. The remote adjustment board is marked “620 RC”.

The monitor width range can be changed by means of a red jumper wire and two pins labeled “W” (wider) and “N” (narrower). Move the jumper with the power off. Then you can power on and adjust the width coil to the desired size picture width.

Components NOT installed on this board: T302, R615, R616, C408, C411, C908, R422.

Jumpers NOT installed on this board: J20, J31, J33, J37, J38, J48.

Jumpers installed on main board: J1 through J19, J21 through J30, J32, J34 through J36, J39 through J47, J49 is installed in place of diode D807.

Please note that when replacing the electrolytic capacitors, the polarity markings are only on the component side. The shaded area of the circle indicates the *POSITIVE* side.

Transistor Q302 is type 2SC4742 and is the horizontal output. Transistor Q903 is type 2SD1402 and is the B+ regulator.

Fuse F1 is an AGC 6 (6 amp normal blow). Fuse F2 is an AGC 2 (2 amp normal blow).

Flyback markings:  
M1820H-C20X04  
ETF-40L310AYT  
T453 30-1

## **CAPKIT LISTING:**

C701 1 uf @ 50 volts  
C702 1 uf @ 50 volts  
C703 100 uf @ 16 volts  
C704 47 uf @ 25 volts

## WEI-YA Model 1820HR/PROMAX C1016 Repair Guide

C412	33 uf @ 25 volts
C413	4.7 uf @ 160 volts (suggest upgrading to 250 volts)
C414	1 uf @ 50 volts
C605	220 uf @ 16 volts (suggest upgrading to 25 volts)
C604	33 uf @ 25 volts
C409	330 uf @ 50 volts
C???	1000 uf @ 25 volts (this capacitor is not marked on the board and is located next to resistor R614.
C601	47 uf @ 25 volts
C602	47 uf @ 25 volts
C603	47 uf @ 25 volts
C501	10 uf @ 50 volts
C408	8.2 uf @ 50 volts
C407	100 uf @ 16 volts
C309	47 uf @ 25 volts
C404	1 uf @ 50 volts
C301	1 uf @ 50 volts
C302	1 uf @ 50 volts
C303	1 uf @ 50 volts
C106	1 uf @ 160 volts (suggest upgrading to 250 volts)
C803	330 uf @ 25 volts
C804	100 uf @ 100 volts (suggest upgrading to 160 volts)
C805	4.7 uf @ 160 volts (suggest upgrading to 250 volts)
C906	100 uf @ 160 volts
C105	470 uf @ 200 volts snap mount (main filter capacitor)

In general, these capacitors are the only ones I have found going bad: C703, C412, C413, C605, C106, C804, and C805. Those seven capacitors should get the monitor looking good.

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