

This is a list of tvs that have picture tubes suitable for use in arcade monitors. Need a tube? Search on Craigslist or hit the local thrift shops with a copy of this list. This is by no means an end-all list, there's no way I can list EVERY tv with a useable tube, but basically the ones that I've scavenged from thrift shops, craigslist, and curb finds.

Note that where you see mention of a "CR" Code, like CR-23 or CR-25, this is a reference for the pinout of the tube. It refers to the socket that is used for a B&K Precision tube rejuvenator, and is a good way to indicate socket compatibility. For example, a tube with a CR-23 socket will have the same pinout as any other tube with a CR-23 socket. A tube that is a CR-25 though will not be compatible with a CR-23 tube. Clear as mud?

Here's a link to the B&K Precision setup guide for their tube rejuvenators. Again, we use this as a pinout reference...if your donor TV's tube uses the same socket (CR-??) as the tube your replacing, then they're pin compatible: <http://www.bkprecision.com/download/documentation/100-CRT.pdf>

**Ladies/Gents - We need to find some of the rare/hard to find tubes out there! Even if you find oddball sizes, or even b&w tubes, please by all means just send them to me and I'll post them. Nintendo Cocktails take 14" tubes, Red-tent owners are in need of 18" tubes, and some games use a 19" or 23" b&w tube - send those as well!!**

## These TVS have been found to have useable tubes in them....

### 13" TVs/Tubes

Size	TV Brand	Tv Model
Tube Number	Yoke Readings	
Notes		
13"	Mitsubishi/MGA	CS-1332
370DUB22	Horiz-2ohm	
Vert - 45ohm		
Manufactured August 1978		

Drop-In Replacement for K4900/G05 Fat Neck.

May need tweaking of width cap.

13"

Toshiba TV/VCR

MV13P3

A34AGT13X98

Horiz-4.8ohm

Vert - 13.6ohm

Thin Neck (8 pin)

13"

RCA/GE

E13200

(Chassis TX825TC)

370GDA86X

Horiz-3.8ohm

Vert - 14.4ohm

Thin Neck (8 pin)

Manu. October 1988

### 19" TVs/Tubes

Size

TV Brand

Tv Model

Tube Number

Yoke Readings

Notes

19"

RCA

CTC15xxx

(XL-100)

A48AAB1202X

Horiz-3.8ohm

Vert - 11.7ohm

Newer black XL-100 model with rounded  
speaker mouldings

## Donor TVs for Arcade Monitor Picture Tubes

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19"	Orion	TV1925A	A48ACB32X
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Horiz-3.5ohm
Vert - 9.5ohm

All black case. Built Feb 1996.

TV has galvanized tube brackets  
which can be reused for whatever.

19"	Zenith	(S)D1914W	A48ACB02X
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19"	Zenith	SD1915W	A48ACB02X	Horiz-4.4ohm
Vert - 9.7ohm				

Chassis SD1915W
Tube is drop-in for Wells K4603
Also seen Vert=8.5, Horiz=3.2

19"	Zenith	Z19A02G	A48ACB32X
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19"	RCA	F19421W	A48AGY13X55	CR-23 tube
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19"	Daewoo	DTQ20J4FC	A48JLL40X
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Drop-in Replacement for K7000, yoke works
Verify TV model # (number has 20 in it but has 19" tube)

19"	Daewoo	DTQ2023FC	A48JLL40X
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Vert-14.2ohm
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Manufactured August 1994. Drop-in Replacement for K7000, yoke works
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19"	Zenith	SLS1937S
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## Donor TVs for Arcade Monitor Picture Tubes

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A48ACB02X

Horiz-2.5ohm

Vert-8.9ohm

Drop-in Replacement for K4600

19"

Philips

PR1910B01

A48JLL90X

Vert-15.2ohm

8 pin

19"

Toshiba

CF19G22

A48JLL90X

Vert-9.3ohm

8 pin

19"

Zenith

SC3931W

A48ACB02X

Horiz-3.2ohm

Vert- 9ohm

Prob could be used as drop in replacement for K4600

19"

MGA/

Mitsubishi

CS-1902U

19VJTP22

Horiz-2.2ohm

Vert- 52.5ohm

THIS IS A DIRECT NUMBER-FOR-NUMBER DROP IN FOR G07!

19"

Panasonic

CT-9010

19VJTP22

Horiz-2.2ohm

**Vert- 99.ohm**

Classic 1980 TV with wood grain case and knobs!

Exact tube number for G07, however the vertical is twice what it should be.

19"  
Panasonic CTF-1911 510ABY22  
Horiz- ohm  
**Vert- ohm**

Tube is CR-23. Waiting on yoke readings.

19"  
Sharp Linytron 19NP58 A48ABK04X Horiz- 3.6ohms  
**Vert- 16ohms**

Tube is CR-31, which is a thin-neck tube. Good for K7000 swap, may work directly. Manufactured 1988.

19"  
Montgomery Ward PL1933Y1 A48ACB02X  
Horiz- 3ohms  
**Vert- 9ohms**

Zenith tube, Manufactured 1989.

19"  
Samsung CXC1912 A48KZL90X  
Horiz- 3ohms  
**Vert- 13ohms**

Toshiba tube, CR31 (thin neck), Manufactured 1994.

19"  
Westinghouse WT-1942 A48LGS30X18  
Horiz- 3ohms  
**Vert- 13ohms**

Orion tube, CR31 (thin neck), Manufactured Sept 1998.

## Donor TVs for Arcade Monitor Picture Tubes

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19"		
Orion	1929	A48AGY13X77
Horiz- 2.5ohms		
<b>Vert- 14.4ohms</b>		

Orion tube, CR23 (fat neck)

19"		
Orion	TV1929B	A48AGY13X77
Horiz- 2.4ohms		
<b>Vert- 13.7ohms</b>		

Orion tube, CR23 (fat neck)

19"		
Emerson		
<b>TV/VCR/DVD Combo</b>	EWC19T2	A48LRH93X
Horiz- 3.0ohms		
<b>Vert- 12.8ohms</b>		

Possibly CR-31 (thin neck) - Need verification. Manu June 2002

19"		
Sanyo	91C530	19VMFP22
Horiz- 2.2ohms		
<b>Vert- 52.4ohms</b>		

Good for K4900, manu 1983

19"		
Hitachi	CT1933	A48AAJOOX
Horiz- 3.4ohms		
<b>Vert- 56.2ohms</b>		

Reported this worked as a drop-in replacement for G07!(yoke conn has to be swapped)

19"		
Quasar	TP1921FE-3	A48AFN00X
Horiz-5.1ohm		
<b>Vert- 16.1ohm</b>		

CR-31 (thin neck)

19"		
Zenith	Z19A02G	A48ACB32X
Horiz-3.4ohm		
<b>Vert- 8.4ohm</b>		

CR-23(Fat neck/standard)

19"		
RCA	F19240GY	A48AAB13X02
Horiz-5.6ohm		
<b>Vert- 13.2ohm</b>		

CR-23(Fat neck/standard)

19"		
Zenith	TVBR1912Z	A48AGY13X66
Horiz-2.2ohm		
<b>Vert- 13ohm</b>		

This has a built-in VCR, CR23,Manu. Aug 1998

19"		
Samsung	TXE1970	A48KRD82X
Horiz-2.4ohm		
<b>Vert- 13.5ohm</b>		

CR23,Manu. July 1996

19"		
Symphonic	ST419E	A48LRH93X
Horiz-3.3ohm		
<b>Vert- 14.2ohm</b>		

CR31,Manu. April 2004

19"		
GE	19PC5703W	A48ACE26X
Horiz-2.8ohm		
<b>Vert- 54.5ohm</b>		

G07 Drop-In. Vertical wiring on yoke has 2 pairs of wires, white & purple. Both whites and both purples a

19"		
Zenith	SB1965WK	A48AAX02X
Horiz-1.3ohm		
<b>Vert- 11.3ohm</b>		

CR23,Manu. Nov 1985  
 \*\*100degree tube\*\*\*

19"		
Sanyo	SRB1965422	A48AFN22X
Horiz-5.0ohm		
<b>Vert- 14.5ohm</b>		

CR23,Manu. Dec 1993, mounting tabs were set back

### 25" TVs/Tubes

Size	TV Brand	Tv Model
<b>Tube Number</b>	<b>Yoke Readings</b>	
<b>Notes</b>		
25"	Sharp	25E-S50
A63LAT80X	Horiz-1.6ohm	
Vert - 7.6ohm		



Manufactured Sept 1993

Drop-In Replacement for 25" K7000

May need tweaking of width cap.

25"

Sharp

25N-M100

or

25H-S100

A63AFW32X

Horiz-1.3ohm

Vert - 8.2ohm

Drop-In Replacement for 25" K7000

May need tweaking of width cap.

25"

RCA

XL 100

Chassis CTC177AH2

A63ADT10X

??

Perfect number-for-number Drop-In Replacement for 25" K7000

**These TVs were found to NOT have useable tubes, as in "DO NOT BUY"**

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- Sanyo Model#91C71 19" Tv (Manu Oct 1978) Tube#MV19VJCP22 = CR25

- JC Penny Model#685-2139 19" Tv (Manu April 1987) Tube#A48ABW20X = CR25
  - Symphonic Model #WFT20M4 20" Tv (Manu April 2004) Has A51 tube.
  - Panasonic: CT-20D11DE : A51KQN011X : 11.8v : 4.1h (since the numbers were handy
- A51 tube

## NEW - 25" Possible Amplifone Tube Donors!

There are some efforts being made in the arcade community to reconstruct 25" Amplifone vector monitors used in the popular Star Wars cockpit games. Supposedly these monitors used 100 degree 25" tubes that could be possible swaps or to build a DIY 25" Amplifone vector monitor. Some donors have been found and as such, I'm making note of them here for future reference. Note that I don't have any experience with these, just adding them for reference sake to save some of these tubes from the dump.

### Known good donors:

- NEC N-6360 - Wooden cabinet with plastic back, dated 6/25/1990 (Tube 25V100)
- AKAI CT-K260 (Wooden cabinet, plastic handles on sides)
- Zenith B2500W (Wood grain plastic cabinet, dated 1985 (Tube A63AAX01X - mounting ears may be forward, one digit off orig)
- Philips 26CE199/75R (Tube R-A63ADG25X)

## Arcade Monitor Reference

Here's a list of readings from Arcade monitors, to see if your tv tube's existing yoke may be compatible with a chassis. Please take this information with a grain of salt and verify the readings before trying it. These were compiled from forum posts, other sites, and my own experiences.

**Size**

**Make**

**Model**

## Donor TVs for Arcade Monitor Picture Tubes

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**Orig Tube #**  
**Vert (Ohms)**  
**Horiz (Ohms)**  
**Notes**

19"	Wells-Gardner	K4900	19VLTP22
19"	Wells-Gardner	K4600	19VJTP22
4603 horiz=4.4			
19"	Wells-Gardner	K7000	7.4
13"	Wells-Gardner	K7000/K7201	13.3
19"	Wells-Gardner	K8000	5.6
19"	Wells-Gardner	U3100	5.7
19"	Wells-Gardner	19K7602	A48ABK05X
19"	Electrohome	G07-CBO/FBO	19VJTP22
19"	Sanyo	20EZ	510UTB22

## Donor TVs for Arcade Monitor Picture Tubes

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19"	Neotec	2701	8.1
19"	Nanao	KZ-20EN	51.6
19"	Sharp	XM-2001	510YWB22
19"	Wells-Gardner	K7600	A48ABK05X
19"	Kortek	KT-1420A	51GGB95X-TG
19"	sharp	XM-1801	470NVB22
19"	Wells-Gardner	K7300	A48KRD89X02
25"	Hantarex	POLO	A63ADT10X05
13" WellsGardner	WG46xx	370DJB22	Toshiba Tube (CR25)
13"	Electrohome	G07-FB0	370ESB22

25"

Wells-Gardner

K7000 (not K7400/K7500) unknown