The kinescope is mounted in place by a bridge network which is bolted to the two chassis. Three self-tapping screws on the front of the bridge network and two additional screws on the side of the bridge about midway to the rear hold it to each chassis. To disassemble, remove these five screws and lift off the kinescope assembly.

The focus coil (LF-1) determines the proper positioning of the raster on the face of the kinescope. When replacing kinescope, be sure the focus coil is located properly for correct position of the raster. Vertical adjustment of the raster is accomplished by tilting the coil forward or backward on the neck of the tube. Tilting the bottom of the coil forward raises the raster and vice versa. This adjustment is critical since no control is incorporated for vertical positioning.

PARTS LIST

Ref Symbol	Description	Part No.
	CAPACITORS	
C101 C102	Herlec: 2-sect. 0.002 µf, 500 V	CCD-22
C103	Herlec: 0.005 µf, 400 V	CC-25
C104 C105	Herlec: 2-sect. 0.002 µf, 500 V	CCD-22
C106	Ceramic: 50 µµf, 400 V	CC-45
C107	Ceramic: 0.0015 µf, 400 V	CC-215
C108	Ceramic: 270 µµf, 400 V	CC-327
C109	Tubular paper, 0.005 µf, 400 V	CP4-25
C110	Tubular paper, 0.05 µf, 400 V	CP-15
C111	Tubular paper, 0.02 µf, 400 V	CP4-12
C112	Tubular elect: 10 µf, 25 V	CET-1
C113	Tubular paper, 0.005 µf, 400 V	CP4-25
C201	Ceramic: 270 µµf, 400 V	CC-327
C202 C203	Herlec: 2-sect, 0.002 µf, 500 V	CCD-22
C204	Ceramic: 270 µµf, 400 V	CC-327
C205 C206	Herlec: 2-sect, 0.002 µf, 500 V	CCD-22
C207	Ceramic: 270 µµf, 400 V	CC-327
C208 C209	Herlec: 2-sect, 0.002 µf, 500 V	CCD-22
C210	Ceramic: 270 µµf, 400 V	CC-327
C211 C212	Herlec: 2-sect, 0.002 µf, 500 V	CCD-22
C213	Ceramic: 270 µµf, 400 V	CC-327
C214	Tubular paper, 0.05 µf, 400 V	CP-15
C215	Tubular paper, 0.1 µf, 400 V	CP4-01
C216 C217 C218 C219	Tubular paper, 0.05 µf, 400 V	CP-15
C220	Ceramic: 10 µµf, 400 V	CC-41
C221	Herlec: 0.005 µf, 500 V	CC-25
C222	Ceramic: 0.0015 µf, 400 V	CC-215
C223	Tubular paper, 0.001 µf, 400 V	CP4-21
C301 C302	Tubular elect: 50 µf, 25 V	CET-2
C303	Can elect: 3-sect, 60, 20, 40 µf, 300 V, size 1-3/8"	CEM-3
C304	Can elect: 2-sect, 20, 10 µf, 450 V, size 1"	CEM-4
C401	Ceramic: 270 µµf, 400 V	CC-327
C402	Molded paper: 0.1 µf, 400 V	CPM4-01
C403	Ceramic: 270 µµf, 400 V	CC-327
C404	Molded paper: 0.05 µf, 400 V	CPM4-15
C405	Ceramic: 100 µµf, 400 V	CC-31
C406	Tubular oil-filled: 0.001 µf, 600 V	C06-21
C407	Molded paper: 0.01 µf, 400 V	CPM4-11

Ref Symbol	Description	Part No.
C408	Molded paper: 0.1 µf, 400 V	CPM4-01
C409	Molded paper: 0.02 µf, 400 V	CPM4-12
C410	Tubular paper, 0.02 µf, 400 V, 10%	CP4-12-2
C411	Molded paper: 0.005 µf, 400 V	CPM4-25
C412	Molded paper: 0.05 µf, 400 V	CPM4-15
C413	Ceramic: 270 µµf, 400 V	CC-327
C414	Molded paper: 0.01 µf, 400 V	CPM4-11
C415	Mica postage stamp CM 20 size: 680 µµf 10%, 600 V	CM-368
C416	Tubular paper, 0.001 µf, 600 V	CP6-21
C417	Molded paper: 0.1 µf, 400 V	CPM4-01
C418	Molded paper: 0.05 µf, 400 V	CPM4-15
C419	Tubular oil-filled: 0.035 µf, 600 V	C06-135
C420	Tubular elect: 50 µf, 25 V	CET-3
C421	Ceramic: 500 µµf, 10 KV	CHV-35
C422	Tubular oil-filled: 0.1 µf, 600 V	C06-01
C423	Ceramic: 100 µµf, 400 V	CC-31
C424	Tubular paper, 0.5 µf, 400 V	CP4-05
C425	Ceramic: 25 µµf, 400 V	CC-425
C501	Can elect: 3-sect 40, 40 µf, 450 V; 50 µf, 50 V; size 1-3/8"	CEM-2
C502	Can elect: 3-sect 20, 20 µf, 450 V; 60 µf, 350 V; size 1-3/8"	CEM-1
C601	Molded paper: 0.002 µf, 400 V	CPM4-22
C602 C603	Molded paper: 0.005 µf, 400 V	CPM4-25
C604	Molded paper: 0.05 µf, 400 V	CPM4-15
C605	Molded paper: 0.01 µf 10%, 400 V	CPM4-11-2
C606	Molded paper: 0.05 µf, 400 V	CPM4-15

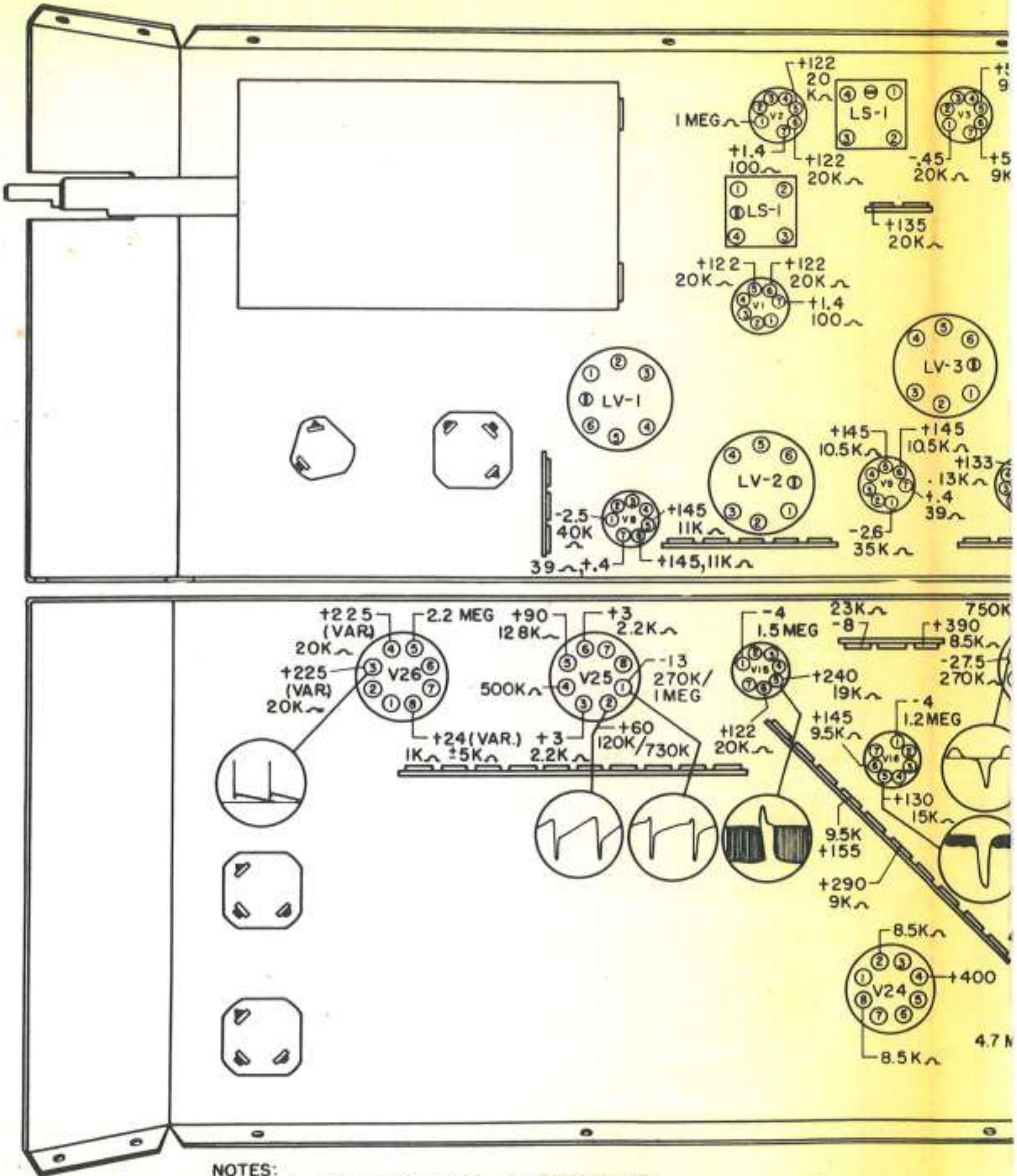
Ref Symbol	Description	Part No.
C607	Molded paper: 0.1 µf, 400 V	CPM4-01
C608	Molded paper: 0.01 µf, 400 V	CPM4-11

CONTROLS--POTENTIOMETERS

PD-1	Dual-control with S.P.S.T. On-Off switch: Brightness; 100K Ω; Focus: 5K Ω; 10 W	PD-1
PD-2	Dual-control: Contrast; 25K Ω Audio; 500K Ω	PD-2
PD-3	Dual-control: Horiz Hold; 100K Ω Vert Hold; 1 MΩ	PD-3
P-1	Horiz Position: wire wound, 100 Ω, 1/2 W	P-1
P-2	Vert Linearity: 5K Ω	P-2
P-3	Vert Size: 1 MΩ	P-3
P-4	Horiz Drive: 50K Ω	P-4

RESISTORS

R101	100 Ω 10%, 1/2 W	RC 101-2
R102	1K Ω 10%, 1/2 W	RC 102-2
R103	1 MΩ 10%, 1/2 W	RC 105-2
R104	100 Ω 10%, 1/2 W	RC 101-2
R105	1K Ω 10%, 1/2 W	RC 102-2
R106	22K Ω 10%, 1/2 W	RC 223-2
R107	10K Ω 10%, 1/2 W	RC 103-2
R108	10K Ω 10%, 2 W	RC 103-8
R109 R110	100K Ω 10%, 1/2 W	RC 104-2
R111	10 MΩ 10%, 1/2 W	RC 106-2
R112	2.2 MΩ 10%, 1/2 W	RC 225-2
R113	240K Ω 10%, 1/2 W	RC 244-2
R114	390K Ω 10%, 1/2 W	RC 394-2
R115	270 Ω 10%, 1/2 W	RC 271-2
R201	1K Ω 10%, 1/2 W	RC 102-2
R202	10K Ω 10%, 1/2 W	RC 103-2
R203	39 Ω 10%, 1/2 W	RC 390-2
R204	10K Ω 10%, 1/2 W	RC 103-2
R205	1K Ω 10%, 1/2 W	RC 102-2
R206	10K Ω 10%, 1/2 W	RC 103-2
R207	39 Ω 10%, 1/2 W	RC 390-2
R208	10K Ω 10%, 1/2 W	RC 103-2
R209	1K Ω 10%, 1/2 W	RC 102-2
R210	4.7K Ω 10%, 1/2 W	RC 472-2
R211	39 Ω 10%, 1/2 W	RC 390-2
R212	10K Ω 10%, 1/2 W	RC 103-2
R213	2.7K Ω 10%, 1/2 W	RC 272-2



NOTES:

1. THE METER USED IS 20,000 OHMS/ PER VOLT. ALL MEASUREMENTS TAKEN WITH RESPECT TO CHASSIS. VOLTAGE MEASUREMENTS TAKEN WITH BIAS SET AT -3 VOLTS; VOLUME AND CONTRAST CONTROL AT MAXIMUM. AC INPUT IS 117 VOLTS.

FIG.6 -

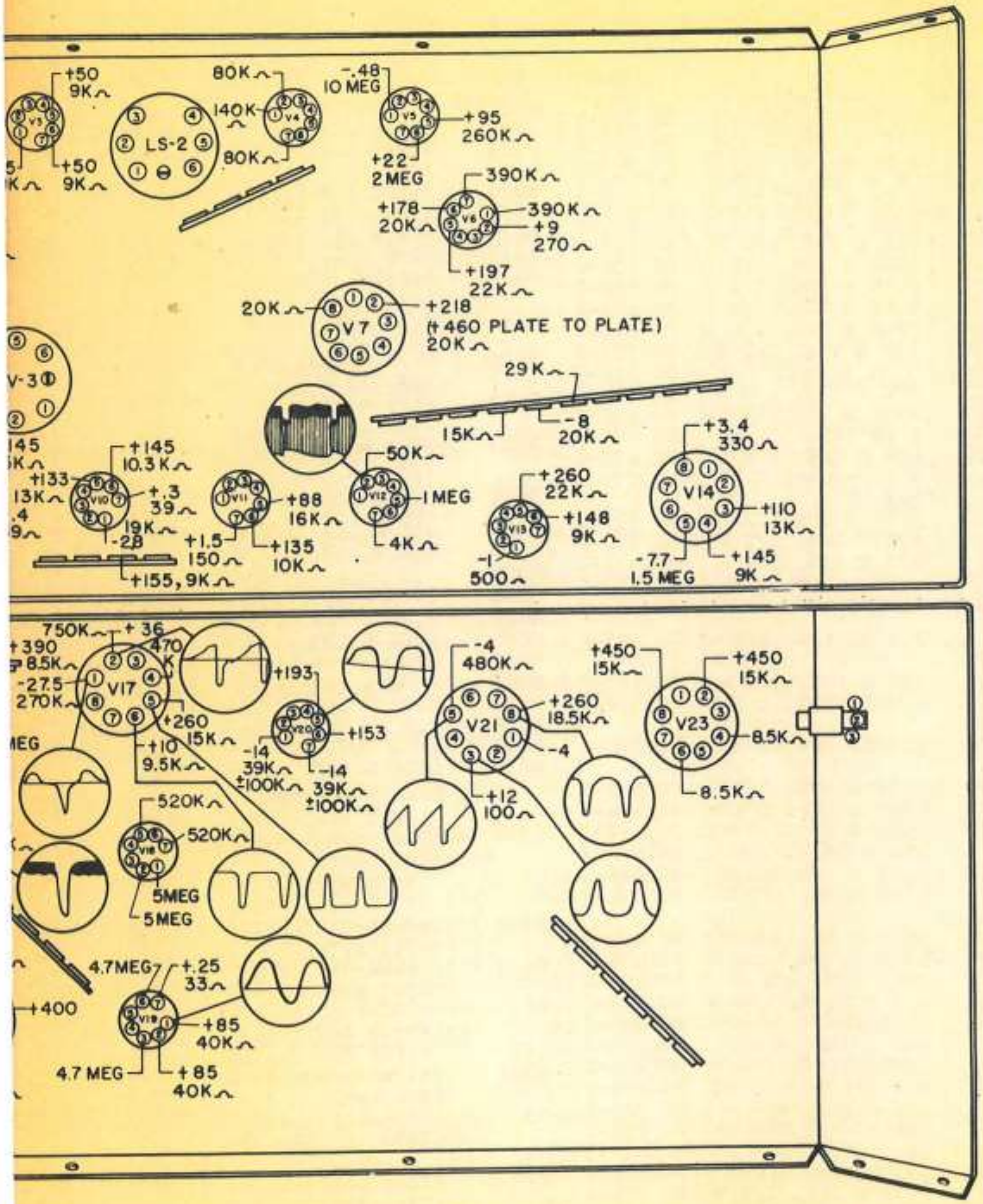


FIG.6 - VOLTAGE ANALYSIS CHART

TELE-KING CORP.

Ref Symbol	Description	Part No.
R214	1K Ω 10%, 1/2 W	RC 102-2
R215	150 Ω 10%, 1/2 W	RC 151-2
R216	5.6K Ω 10%, 1/2 W	RC 562-2
R217	1K Ω 10%, 1/2 W	RC 102-2
R218	3.9K Ω 10%, 1/2 W	RC 392-2
R219	470K Ω 10%, 1/2 W	RC 474-2
R220	39K Ω 10%, 1/2 W	RC 393-2
R221	100K Ω 10%, 1/2 W	RC 104-2
R222	5.6K Ω 10%, 1/2 W	RC 562-2
R223	6.8K Ω 10%, 1/2 W	RC 682-2
R224	820K Ω 10%, 1/2 W	RC 824-2
R225	330 Ω 10%. 1/2 W	RC 331-2
R226	3.3K Ω 10%, 1 W	RC 332-5
R227	10K Ω 10%, 1/2 W	RC 103-2
R228	100K Ω 10%, 1/2 W	RC 104-2
R229	1 MΩ 10%, 1/2 W	RC 105-2
R230	47K Ω 10%. 1/2 W	RC 473-2
R301	Wire wound, 1.2K Ω 10%, 5 W	RW 122-11
R302	3.3K Ω 10%, 1/2 W	RC 332-2
R303	27K Ω 10%, 1/2 W	RC 273-2
R304	47K Ω 10%, 1/2 W	RC 473-2
R305	1.2K Ω 10%, 2 W	RC 122-8
R306	6.8K Ω 10%, 1/2 W	RC 682-2
R401 R402	2.2 MΩ 10%, 1/2 W	RC 225-2
R403	10K Ω 10%, 1/2 W	RC 103-2
R404 R405	4.7K Ω 10%, 1/2 W	RC 472-2
R407 R408	2.2 MΩ 10%, 1/2 W	RC 225-2
R409	5.6K Ω 10%, 1/2 W	RC 562-2
R410	470K Ω 10%, 1/2 W	RC 474-2
R411	3.3K Ω 5%, 1/2 W	RC 332-3
R412	510 Ω 5%, 1/2 W	RC 511-3
R413	5.6K Ω 5%, 1/2 W	RC 562-3
R414 R415	470K Ω 5%, 1/2 W	RC 474-3
R416	150K Ω 5%, 1/2 W	RC 154-3
R417	470K Ω 10%, 1/2 W	RC 474-2
R418	1K Ω 10%, 1/2 W	RC 102-2
R419	4.7 MΩ 10%, 1/2 W	RC 475-2
R420	33 Ω 10%, 1/2 W	RC 330-2
R421	33K Ω 10%, 2 W	RC 333-8
R422	220K Ω 10%, 1/2 W	RC 224-2
R423	27K Ω 10%, 1/2 W	RC 273-2
R424	39K Ω 10%, 1/2 W	RC 393-2
R425	33K Ω 10%, 2 W	RC 333-8
R426	5K Ω 10%, 10 W	RW 502-11
R427	10K Ω 10%, 1/2 W	RC 103-2
R428	270K Ω 10%, 1/2 W	RC 274-2
R429	680K Ω 10%, 1 W	RC 684-5
R430	8.2K Ω 10%, 1/2 W	RC 822-2
R431	470K Ω 10%, 1/2 W	RC 474-2
R432	120 Ω 10%, 2 W	RC 121-8
R433	Wire wound, 10K Ω 10%, 5W	RW 103-11
R434	3.3 Ω 10%, 1/2 W	RC 33G-2
R435	1 MΩ 10%, 1 W	RC 105-5
R436	82K Ω 5%, 1 W	RC 823-6
R437	30 Ω 10%, 1 W	RC 300-5
R438	Special (heavy load) 6.3K Ω 50 W, tapped 500 & 500 Ω	RW 632-23
R439	Wire wound, 6K Ω 10%, 10 W	RW 602-11
R440	Wire wound, 1K Ω 10%, 15 W	RW 102-17
R501	Wire wound, 3K Ω 10%, 15 W	RW 302-17
R502	18K Ω 10%, 2 W	RC 183-8
R503	10K Ω 10%, 2 W	RC 103-8
R601	22K Ω 10%, 1/2 W	RC 223-2
R602 R603	10K Ω 10%, 1/2 W	RC 103-2
R604	100K Ω 10%, 1/2 W	RC 104-2
R605	2.2K Ω 10%, 1/2 W	RC 222-2
R606	270K Ω 10%, 1/2 W	RC 274-2
R607	470K Ω 10%, 1/2 W	RC 474-2
R608	820K Ω 10%, 1 W	RC 824-5
R609	8.2K Ω 10%, 1/2 W	RC 822-2
R610	2.2 MΩ 10%, 1/2 W	RC 225-2
R611	1K Ω 10%, 1/2 W	RC 102-2
R612	470K Ω 10%, 1/2 W	RC 474-2

R-F TUNER

Ref Symbol	Description	Part No.
TT-1	Tuner w/tubes, 6C4, 6AG5, 6BH6	TT-1

SPEAKERS

Ref Symbol	Description	Part No.
ES-1	Speaker: 5" EM, Model #210	ES-1
ES-2	Speaker: 8" EM, Model #310	ES-2

SELENIUM RECTIFIER

Ref Symbol	Description	Part No.
XR-1	Selenium Rectifier: 6V, 5 ma	XR-1

SOCKETS, PLUGS, ETC.

Ref Symbol	Description	Part No.
SPM-6	Plug; 6-prong, Alden 206 SH	SPM-6
SC-1	Socket, Cinch #8134	SC-1
SP-1	Plug, Cinch #1336	SP-1
SC-6	Socket, Cinch F 126	SC-6

Ref Symbol	Description	Part No.
SP-6	Plug, Cinch 15B 11947	SP-6
SH-6	Shell & insert, Cinch 16B 12358	SH-6
SC-4	Socket, Cinch #2642	SC-4
SP-4	Plug, Cinch #2770	SP-4
SH-4	Shell, Cinch #2706	SH-4
SI-4	Cardboard insert, Cinch #1196	SI-4
SCM-3	Female connector: Alden 203FC with 30" cable	SCM-3
IL-1	Line cord w/ interlock	IL-1
IC-1	Interlock connector	IC-1
WEB-1	Bag webbing: 32" lg x 1" wd	WEB-1
AC-1	2nd anode cap connector w/ leads	AC-1
SCM-6	Socket: 6-prong w/ cable, Alden 206FC	SCM-6
QS-1	Plug button, Ucinite #48174	QS-1
SDD-1	CRT socket	SDD-1
RM-1	CRT rubber shock mount	RM-1
SCM-6	Deflection and focus coil cable	SCM-6

TRANSFORMERS, COILS & CHOKES

Ref Symbol	Description	Part No.
LS-1	Trans, 1st & 2nd sound i-f (2 used)	LS-1
LS-2	Trans, discrim	LS-2
ES-1	Trans, audio output mtd on/& part of spkr	
LV-1	Trans, conv i-f	LV-1
LV-2	Trans, 2nd video i-f	LV-2
LV-3	Trans, 3rd video i-f	LV-3
LV-4	Trans, 4th video i-f	LV-4
LV-5	Trans, 5th video i-f	LV-5
T-204T2	Trans, vert output	T-204T2
DY-1	Defl yoke w/network	DY-1
T-100	Trans, H-V power	T-100
T-101	Trans, L-V power	T-101
LHO-1	Coil, hor osc	LHO-1
T-211T1	Trans, hor output	T-211T1
LC-1	Choke, filament: (4 used)	LC-1
LC-2	Filter choke: 2 hys	LC-2
LF-1	Coil, focus	LF-1
LP-1	Coil, peaking: 180 mh on 39K Ω res	LP-1
LP-2	Coil, peaking: 120 mh (2 used) on 22K Ω res	LP-2
LP-3	Coil, peaking: 250 mh	LP-3
LP-4	Coil: 93 mh (2 used)	LP-4
L-201R3	Coil, hor linearity	L-201R3
L-201R1	Coil, width control	L-201R1

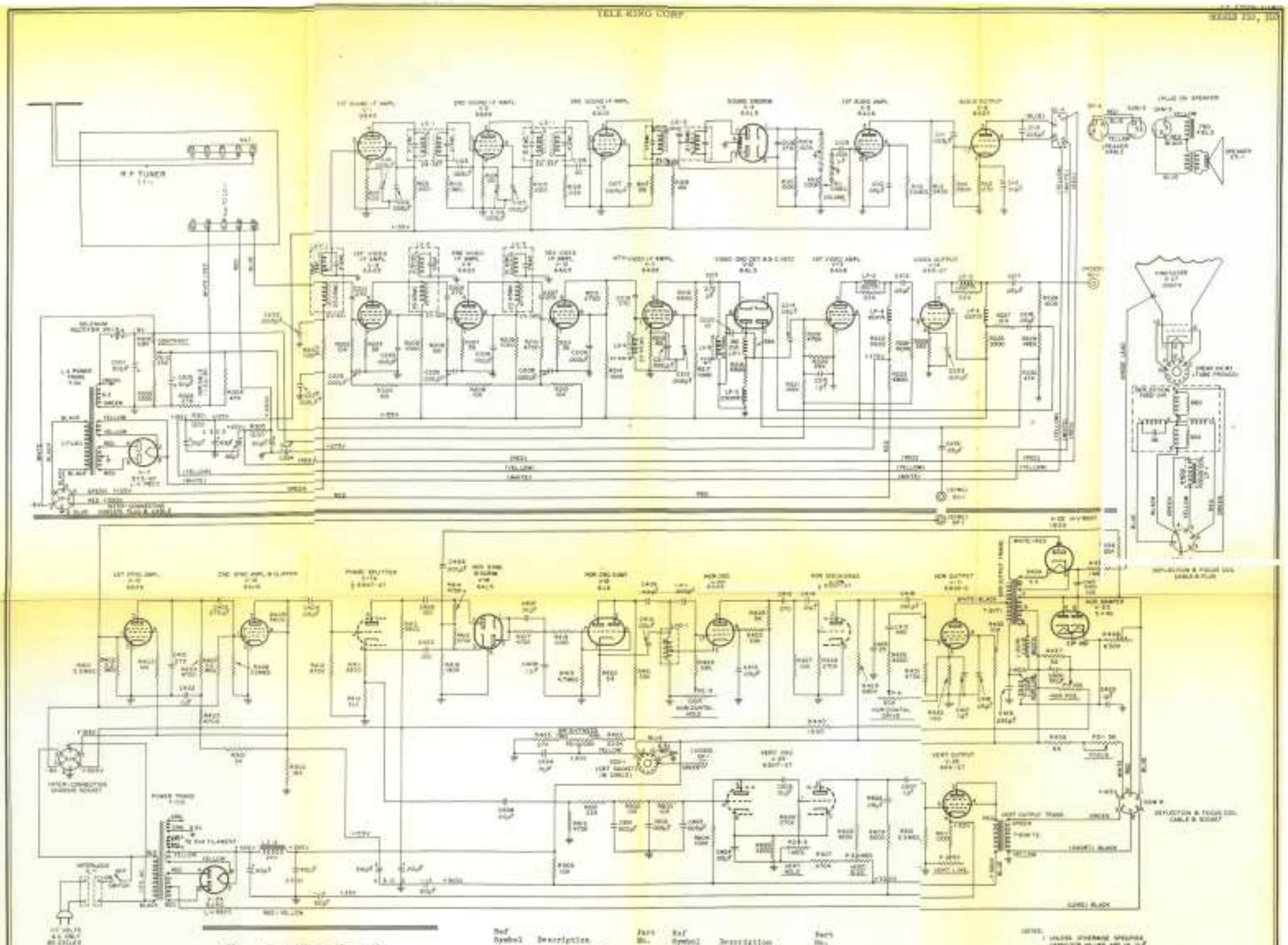
TUBES

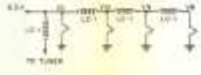
Ref Symbol	Description	Part No.
V-1	6BA6: 1st sound i-f ampl	T-6BA6
V-2	6BA6: 2nd sound i-f ampl	T-6BA6
V-3	6AU6: 3rd sound i-f ampl	T-6AU6
V-4	6AL5: Sound discrim	T-6AL5
V-5	6AU6: 1st audio ampl	T-6AU6
V-6	6AQ5: Audio output	T-6AQ5
V-7	5Y3GT: R-f, i-f, l-v rect	T-5Y3
V-8	6AG5: 1st video i-f ampl	T-6AG5
V-9	6AG5: 2nd video i-f ampl	T-6AG5
V-10	6AG5: 3rd video i-f ampl	T-6AG5
V-11	6AG5: 4th video i-f ampl	T-6AG5
V-12	6AL5: Video 2nd det. & d-c restorer	T-6AL5
V-13	6AU6: 1st video ampl	T-6AU6
V-14	6K6GT: Video output	T-6K6
V-15	6BA6: 1st sync ampl	T-6BA6
V-16	6AU6: 2nd sync amp & clipper	T-6AU6
V-17	6SN7GT: Phase splitter & hor discharge	T-6SN7
V-18	6AL5: Hor sync discrim	T-6AL5
V-19	6J6: Hor osc. cont	T-6J6
V-20	6AQ5: Hor osc	T-6AQ5
V-21	6BG6G: Hor output	T-6BG6
V-22	1B3GT: H-V rect	T-1B3
V-23	5V4G: Hor damper	T-5V4
V-24	5U4G: Sync chassis l-v rect.	T-5U4
V-25	6SN7GT: Vert osc	T-6SN7
V-26	6K6GT: Vert output	T-6K6
V-27	10BP4: Kinescope	T-10BP4

Tubes in R-F Unit not included

TELE-KING CORP.

SERIES [illegible]





Batt 1

Batt 2

Ref Symbol	Description	Part No.	Ref Symbol	Description	Part No.
	MISCELLANEOUS		JS-7	Terminal strip: 4-lug, 1131	JS-7
SO-1	Octal socket w/gnd lugs, National 535	SO-1	AB-1	Angle bracket: tapped, 8-32, Eberlok #858	AB-1
SO-2	Special socket, Amphenol 3-8	SO-2	AB-2	Angle bracket: 6-32 1/4 x 1/4, Eberlok #176	AB-2
SM-1	Miniature 7-pin molded Eby top saddle mtg socket	SM-1	AB-3	Angle bracket: Eberlok #207	AB-3
NP-1	Palnuts, #8	NP-1	RS-2	Rubber [illegible]: 90-degree	RS-2
NP-2	Palnuts, 1/8-32	NP-2	RG-1	Rubber grommet: 3/8" O.D., 1/4" I.D.	RG-1
NS-1	Double chamfer nuts, 8-32-3/8	NS-1	RG-2	Rubber grommet: 7/16" 1866-1	RG-2
JS-1	Terminal strip: 2-lug, 11	JS-1	RB-1	Rubber boot	RB-1
JS-2	Terminal strip: 3-lug, 131	JS-2	SL-1	Solder lugs, Eberlok #72	SL-1
JS-3	Terminal strip: 3-lug, 113	JS-3	FM-1	Mounting feet, Eclipse 1G,072	FM-1
JS-4	Terminal strip: 4-lug, 1113	JS-4	PL-1	Pilot lamp: #44, 0.25 amp. Min. bay.	PL-1
JS-5	Terminal strip: 5-lug, 11111	JS-5	SPL-1	Pilot lamp socket	SPL-1
JS-6	Terminal strip: 6-lug, 131151	JS-6	RT-4	Tinnerman speednut; push-on type	RT-4

NOTES:

1. UNLESS OTHERWISE SPECIFIED CAPACITOR VALUES ARE IN µµF.
2. UNLESS OTHERWISE SPECIFIED RESISTOR VALUES ARE IN OHMS.