

**MECK  
MODEL XA-701**

MECK MODEL XA-701

**TRADE NAME** Meck Model XA-701  
**MANUFACTURER** John Meck Industries, Plymouth, Indiana  
**TYPE SET** Television Receiver  
**TUBES** Twenty-Two

**POWER SUPPLY** 105-125 Volts. 60 cycle AC  
**TUNING RANGE**—Channels 2 through 13. **RATING** .97 Amps. @ 117 Volts

**INDEX**

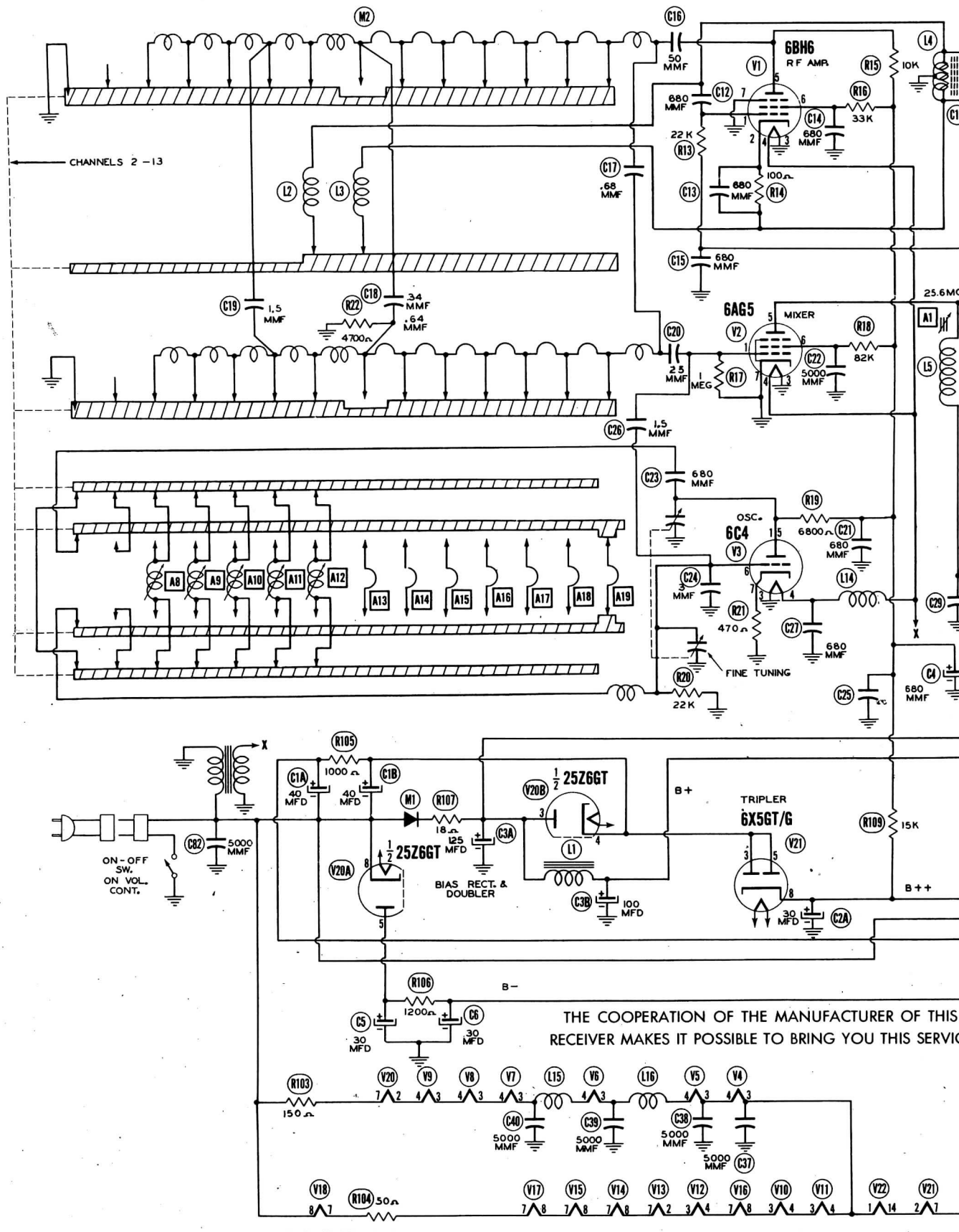
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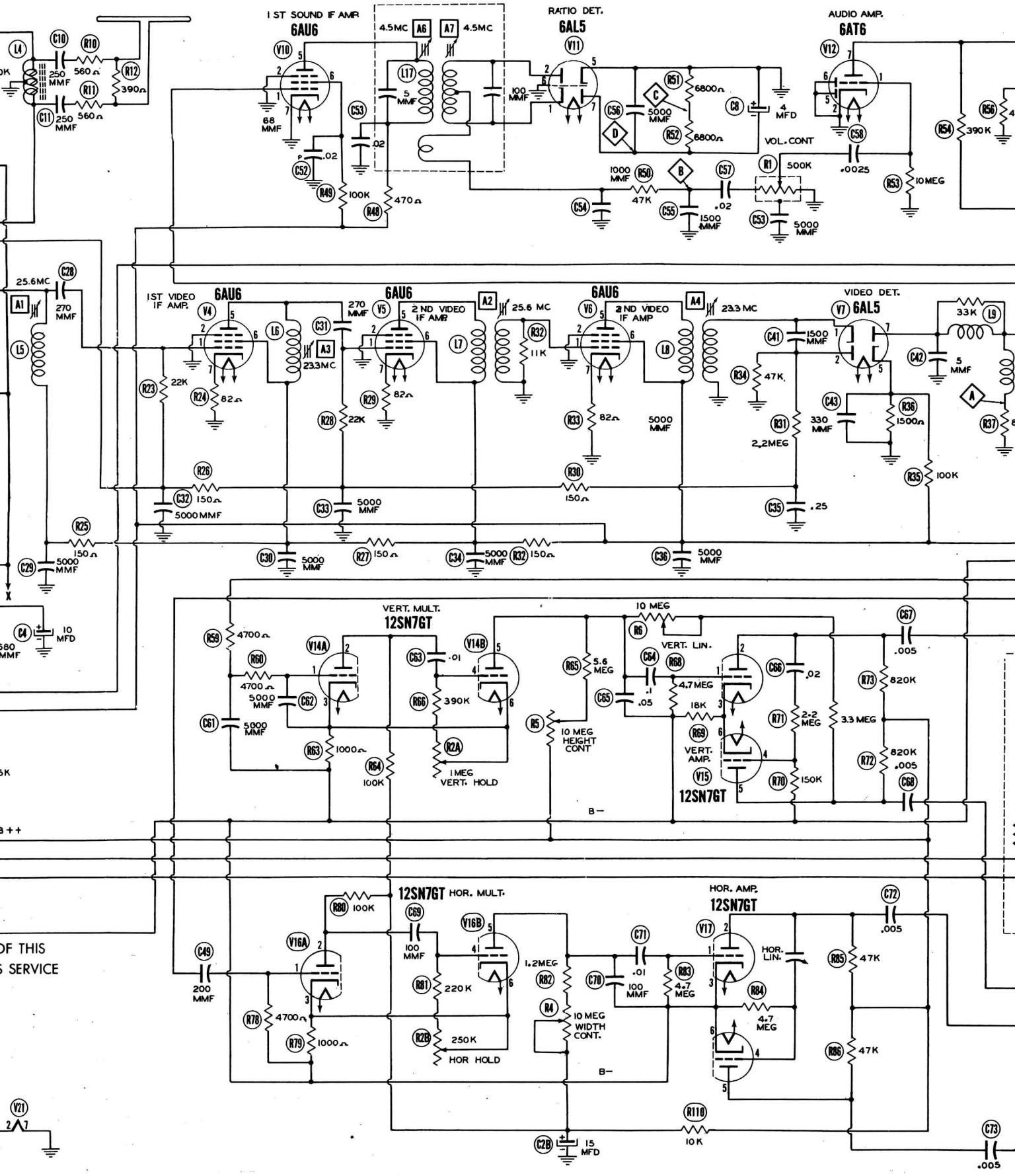
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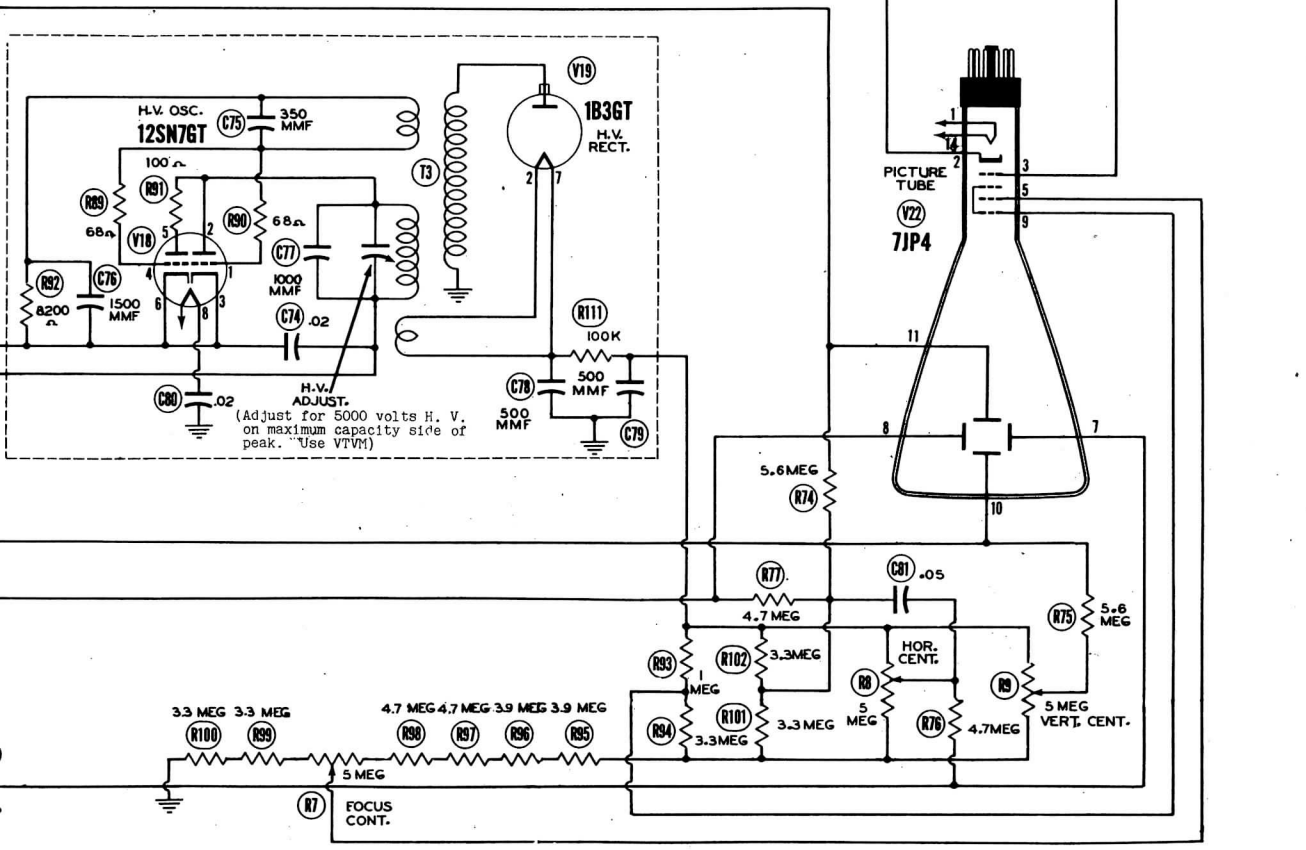
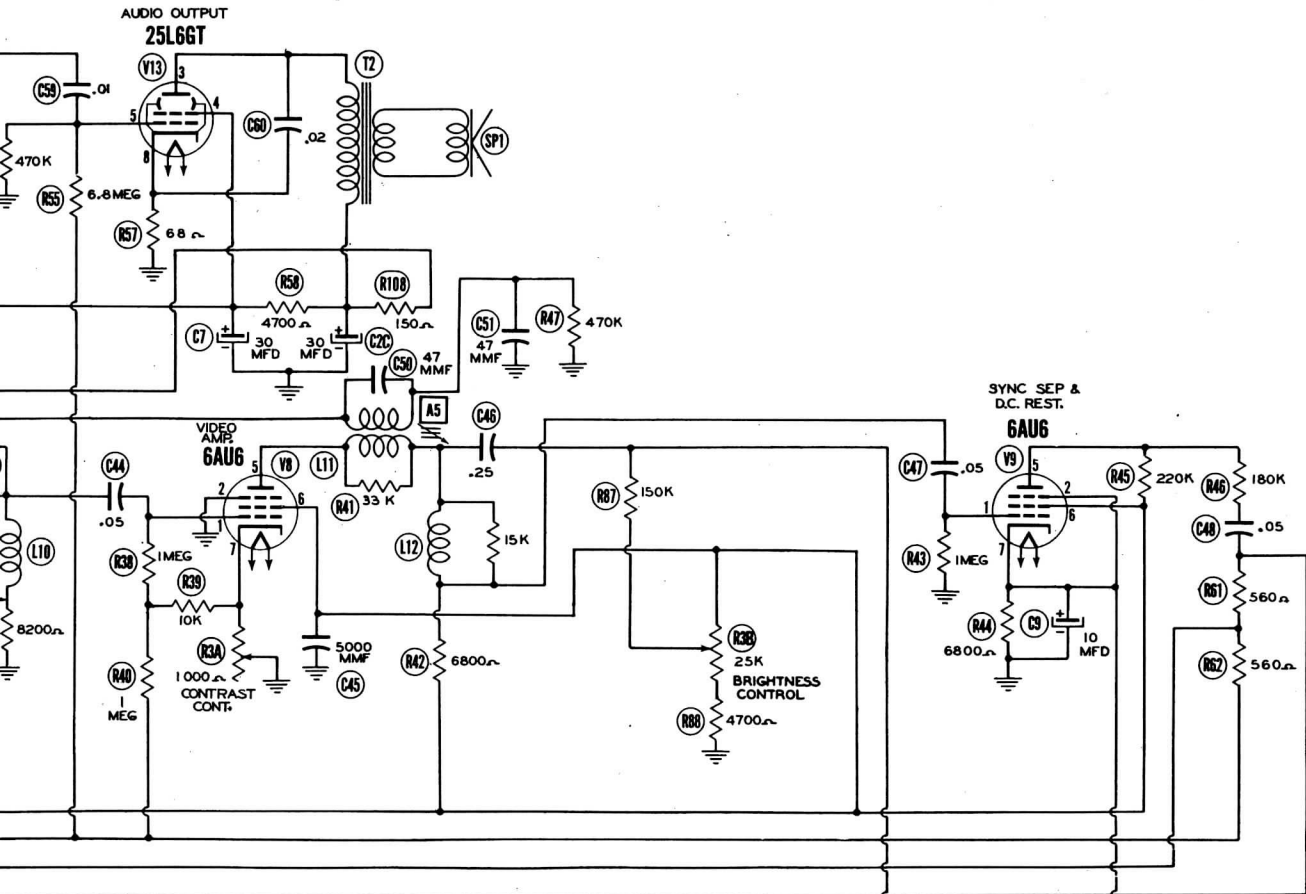
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DATE 5/49 499-16 SET #61 FOLDER 16

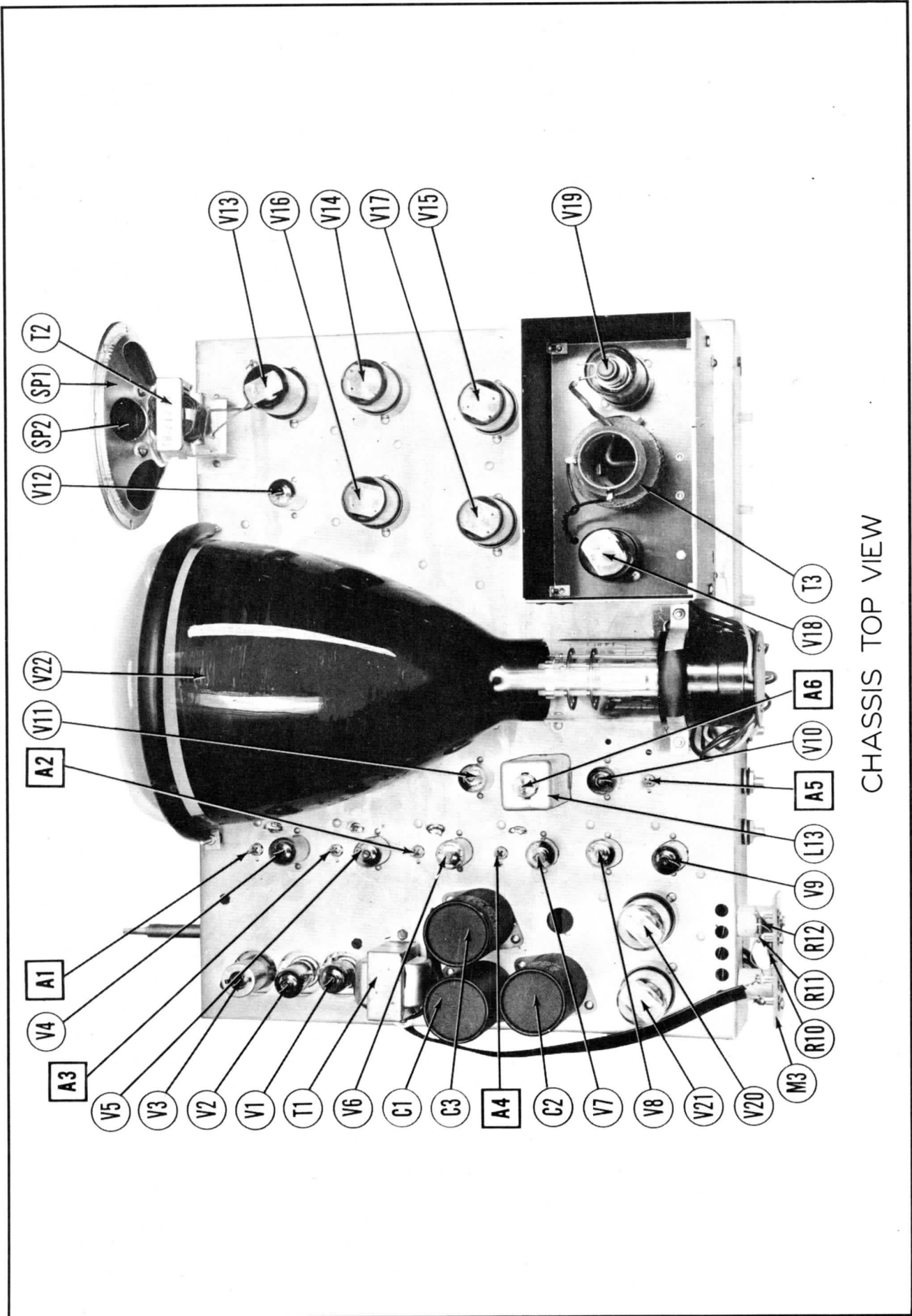


A PHOTOFAC STANDARD NOTATION SCHEMATIC  
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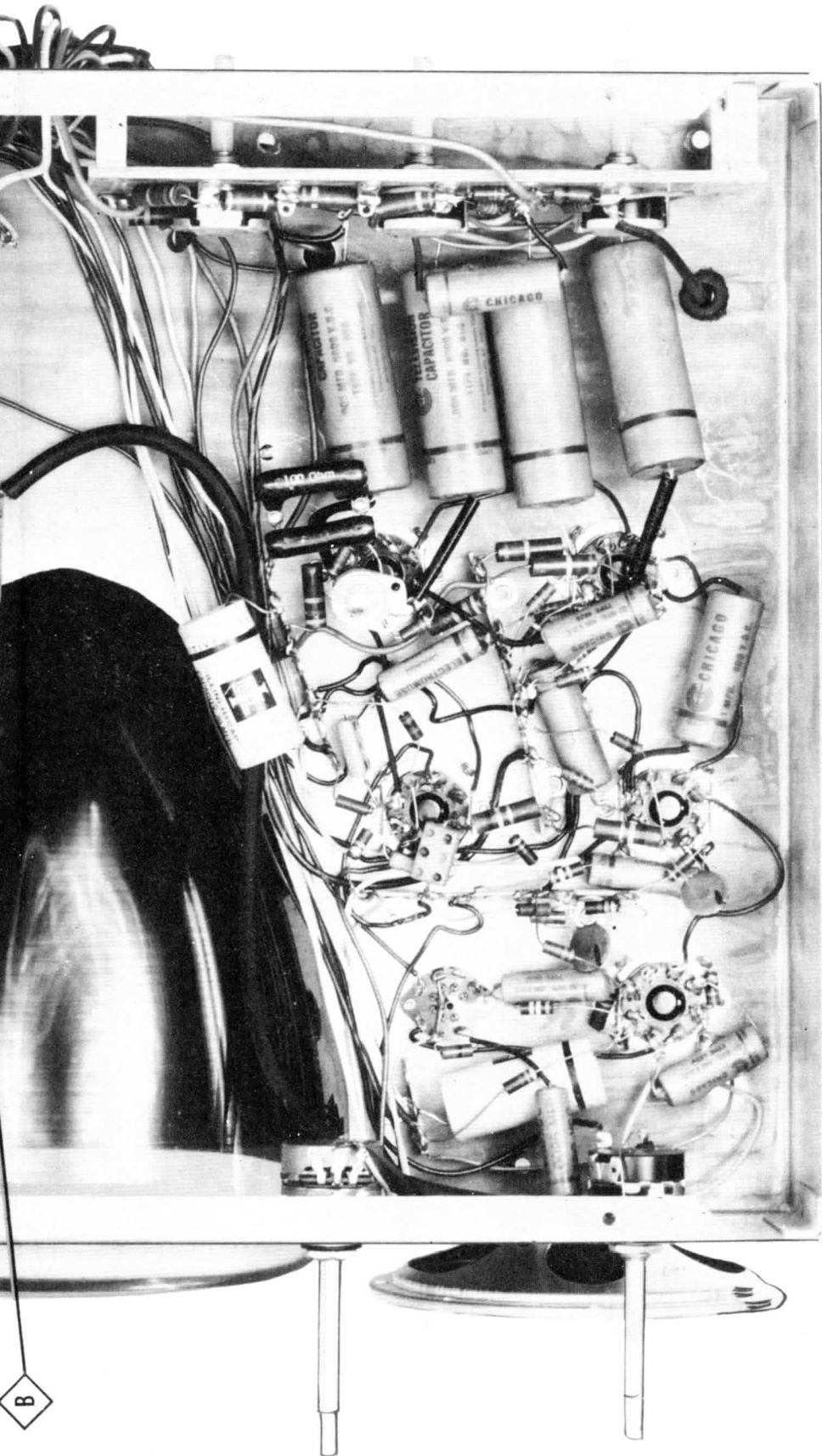




CHASSIS TOP VIEW

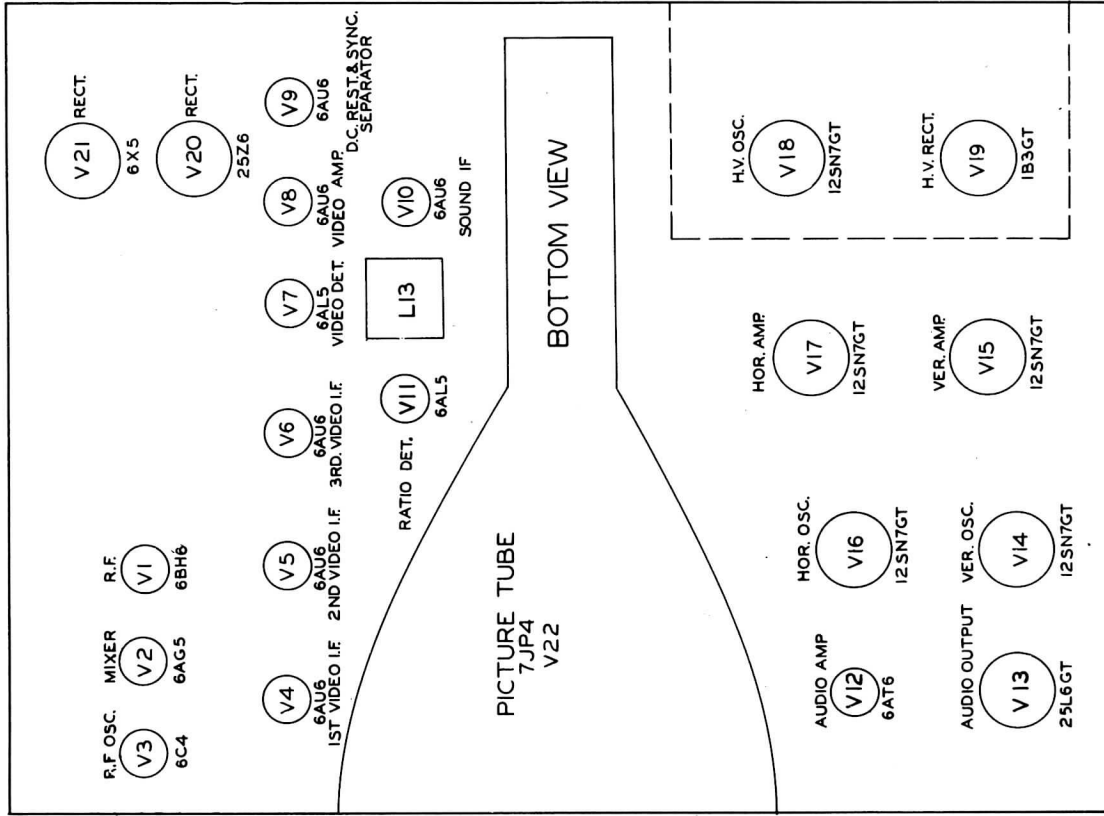
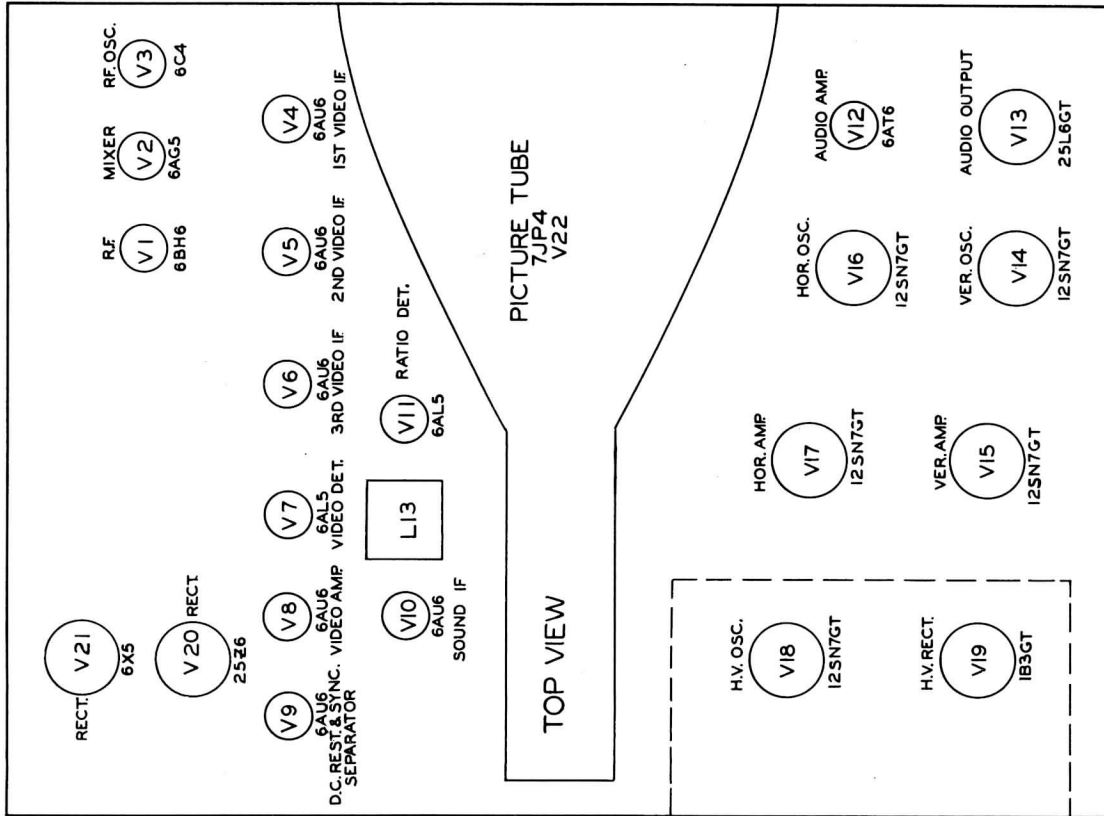
MECK  
MODEL XA-701





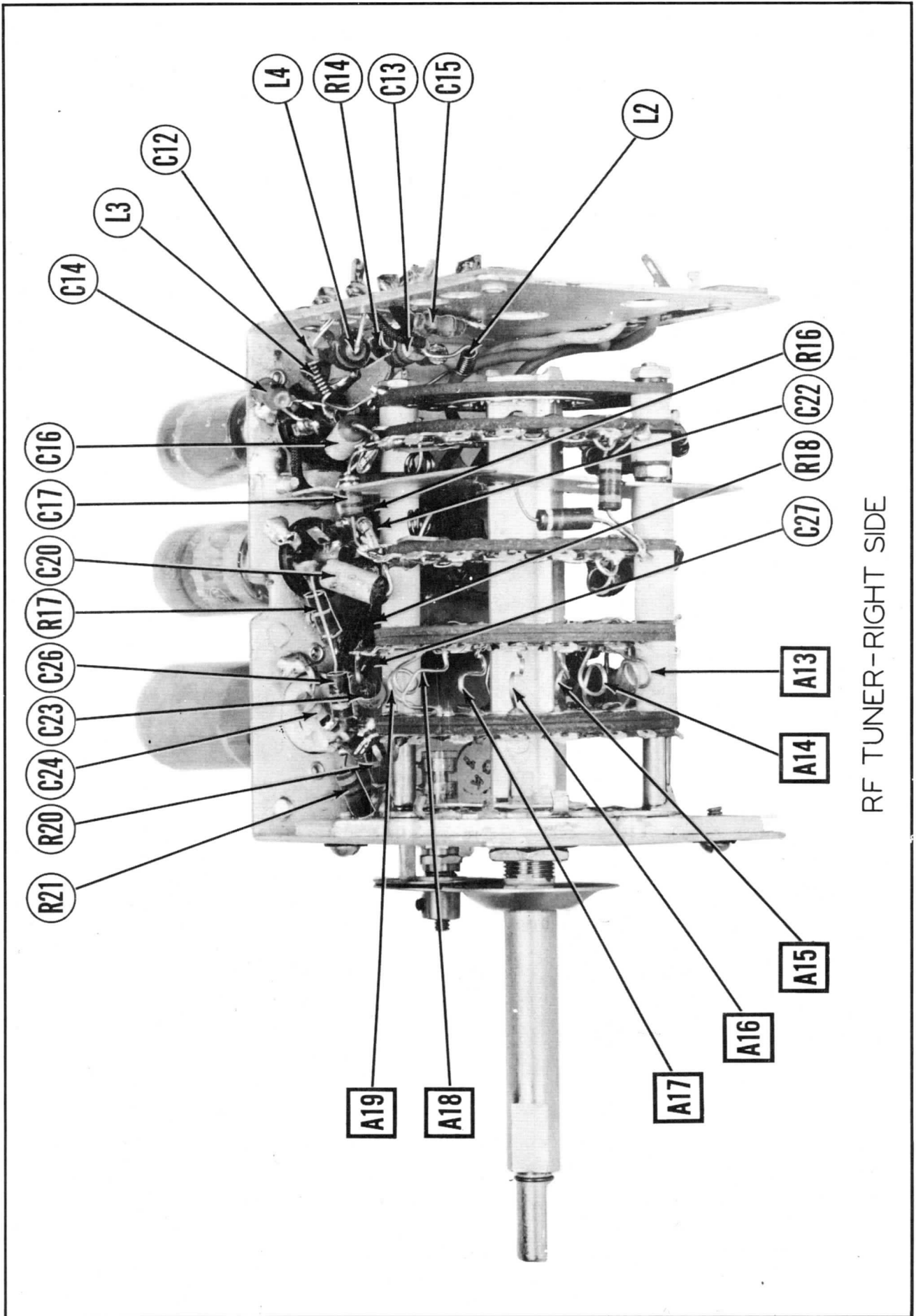
CHASSIS BOTTOM VIEW-TRANS., INDUCTOR AND ALIGNMENT IDENTIFICATION

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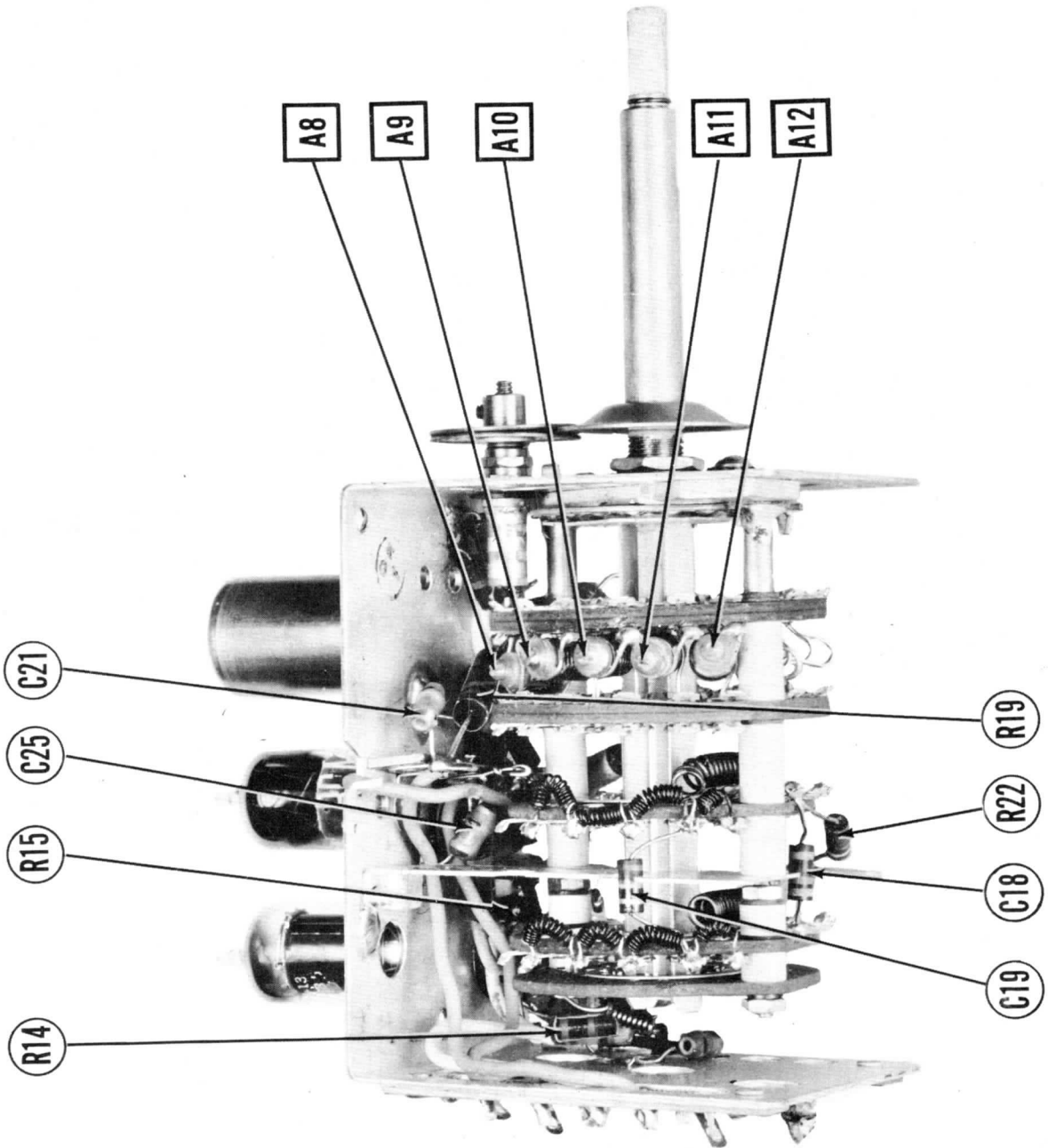
TUBE PLACEMENT CHART

**MECK**  
**MODEL XA-701**



RF TUNER - RIGHT SIDE

RF TUNER-LEFT SIDE









# ALIGNMENT INSTRUCTIONS

## VIDEO IF ALIGNMENT

Inject the IF signal by means of a FLOATING tube shield over the mixer tube V2.

DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
1. Tube Shield	High side to Tube Shield over mixer Tube V2. Low side to chassis.	25.6MC (No. Mod.)	9	DC Probe to Point A. Common to chassis.	A1, A2	Adjust for maximum deflection. Attenuate signal generator to maintain 1 volt reading on VTVM.
2. Tube Shield	"	23.3MC (No. Mod.)	"	"	A3, A4	" " " " "

Connect synchronized sweep voltage from signal generator to horizontal amplifier of scope for horizontal deflection.

DUMMY ANTENNA	SWEEP GENERATOR COUPLING	SWEEP GENERATOR FREQUENCY	MARKER GENERATOR FREQUENCY	CHANNEL	CONNECT SCOPE	ADJUST	REMARKS
3. Tube Shield	High side to Tube shield. Low side to chassis.	24MC (10MC Sweep)	21.6MC and 26.1MC	9	Vert. Amp. to Point A. Low side to chassis.	A1, A2, A3, A4	Observe pattern obtained and see that markers appear as per Fig. 1. If not, slight adjustment of A1, A2, A3, and A4 may give desired curve.

## SOUND IF ALIGNMENT

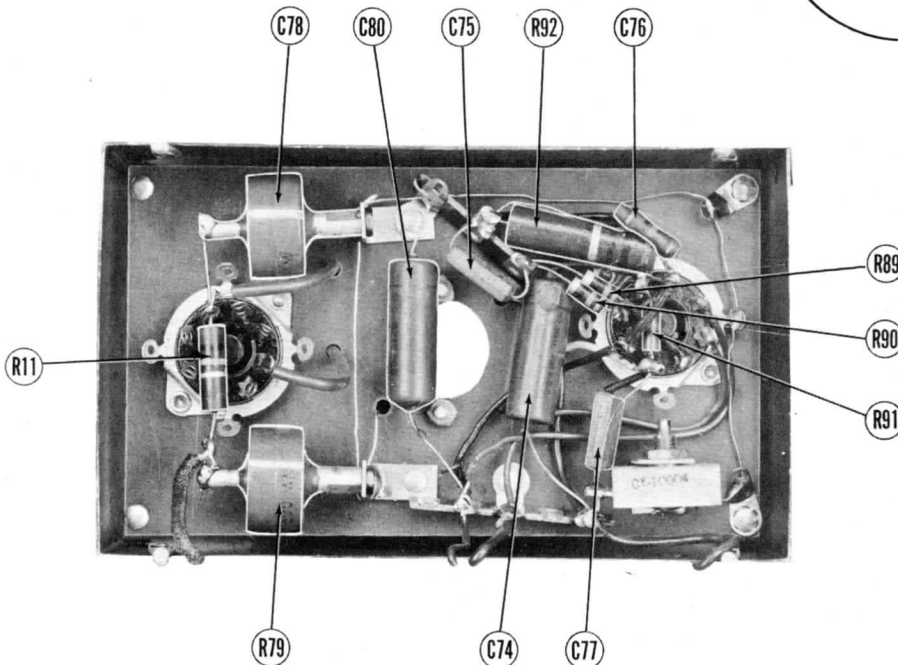
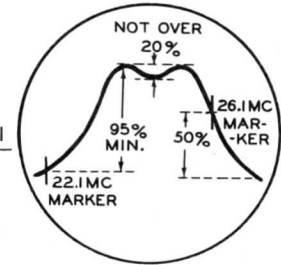
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
4. 5000MMF	High side to pin 1 (Grid) 6AU6 (V8). Low side to chassis.	4.5MC (Very Accurate)	9	DC Probe to point D. Common to chassis.	A5, A6	Adjust for maximum deflection.
5. 5000MMF	"	"	"	DC Probe to Point B. Common to Point C.	A7	Adjust for zero reading. A positive and negative reading will be obtained on either side of the correct setting.

The RF and Mixer lines are pre-set at the factory and are very stable and normally do not require adjustment in the field.

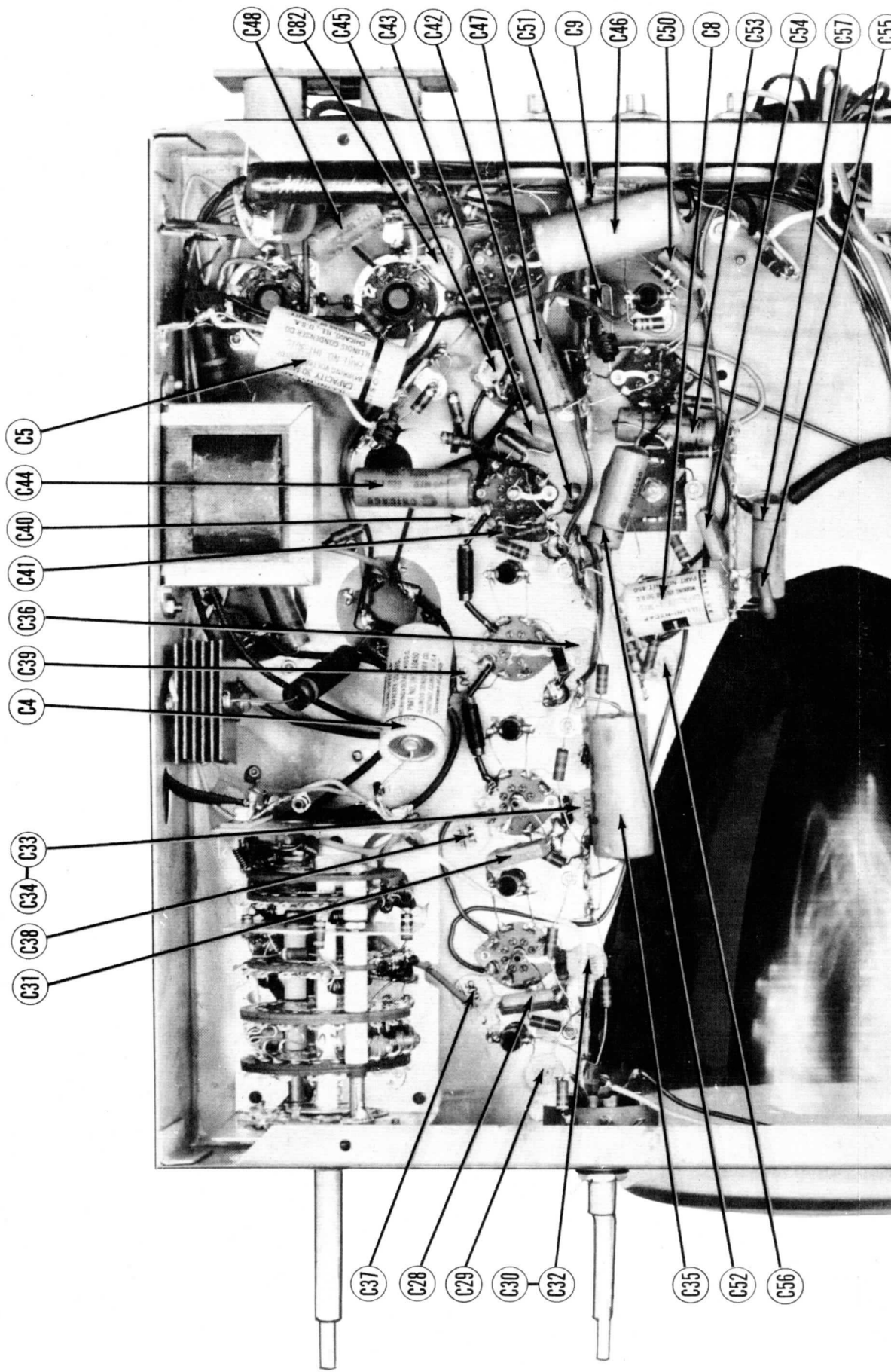
The local oscillator operates 24.35MC above the center frequency of each TV channel. To set the local oscillator, a separate "BFO" generator set at 24.35MC is used to obtain a zero beat with this difference frequency. Couple the "BFO" generator to the receiver by means of a few turns of hook-up wire coiled around the 6AL5 video detector (V7). Connect a .01MFD capacitor between pin 1 (Grid) of the 6AU6 video amp. (V8) to pin 1 of the 6AT6 audio amp. (V12). Turn the fine tuning control to the midpoint of its range and set the channel selector switch to the channel which is to be aligned. The oscillator circuits of the individual channels are independent of each other and therefore only those channels requiring alignment need be adjusted.

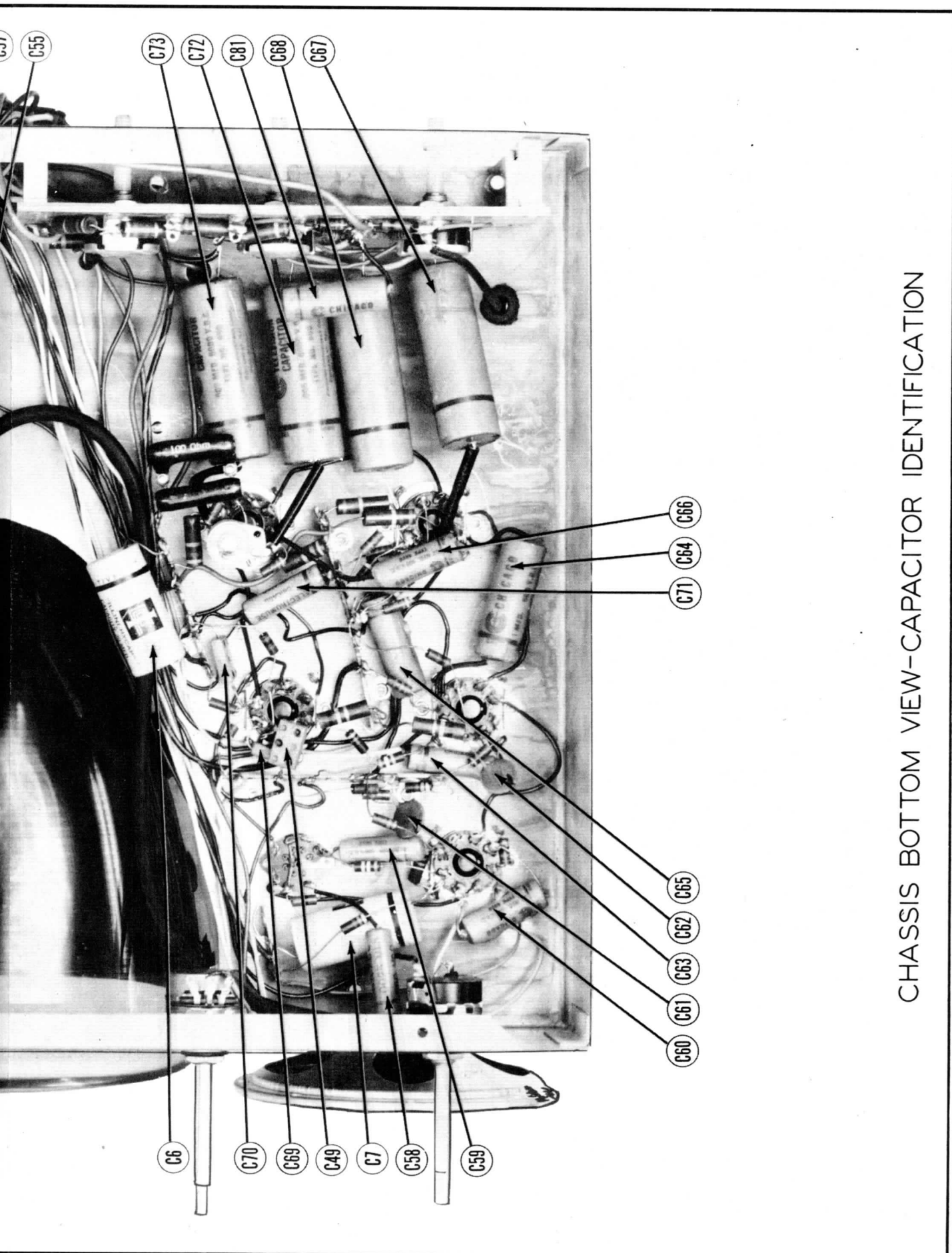
DUMMY ANTENNA	SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	CHANNEL	CONNECT VTVM	ADJUST	REMARKS
6. Two 150Ω carbon res.	Insert 150Ω resistor in each generator lead and connect across the antenna input. Connect BFO generator as indicated in above instructions.	57MC 63MC 69MC 75MC 81MC 87MC 93MC 99MC 105MC 111MC 117MC 123MC 129MC 135MC	2 3 4 5 6 7 8 9 10 11 12 13		A8 A9 A10 A11 A12 A13 A14 A15 A16 A17 A18 A19	Adjust slugs or shift the coil turns for rough audio beat in the speaker.

FIG. 1



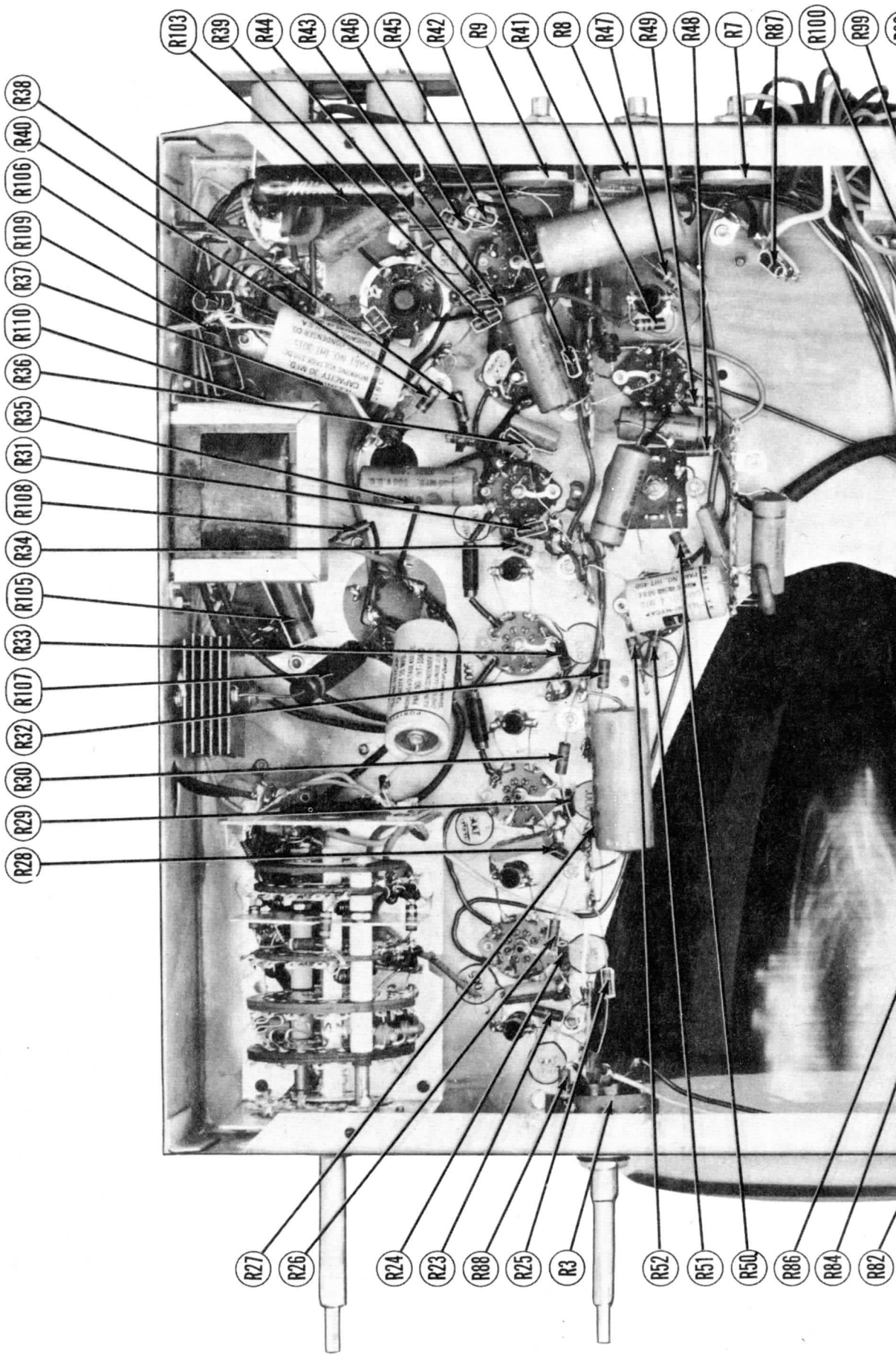
HIGH VOLTAGE SUPPLY - BOTTOM VIEW



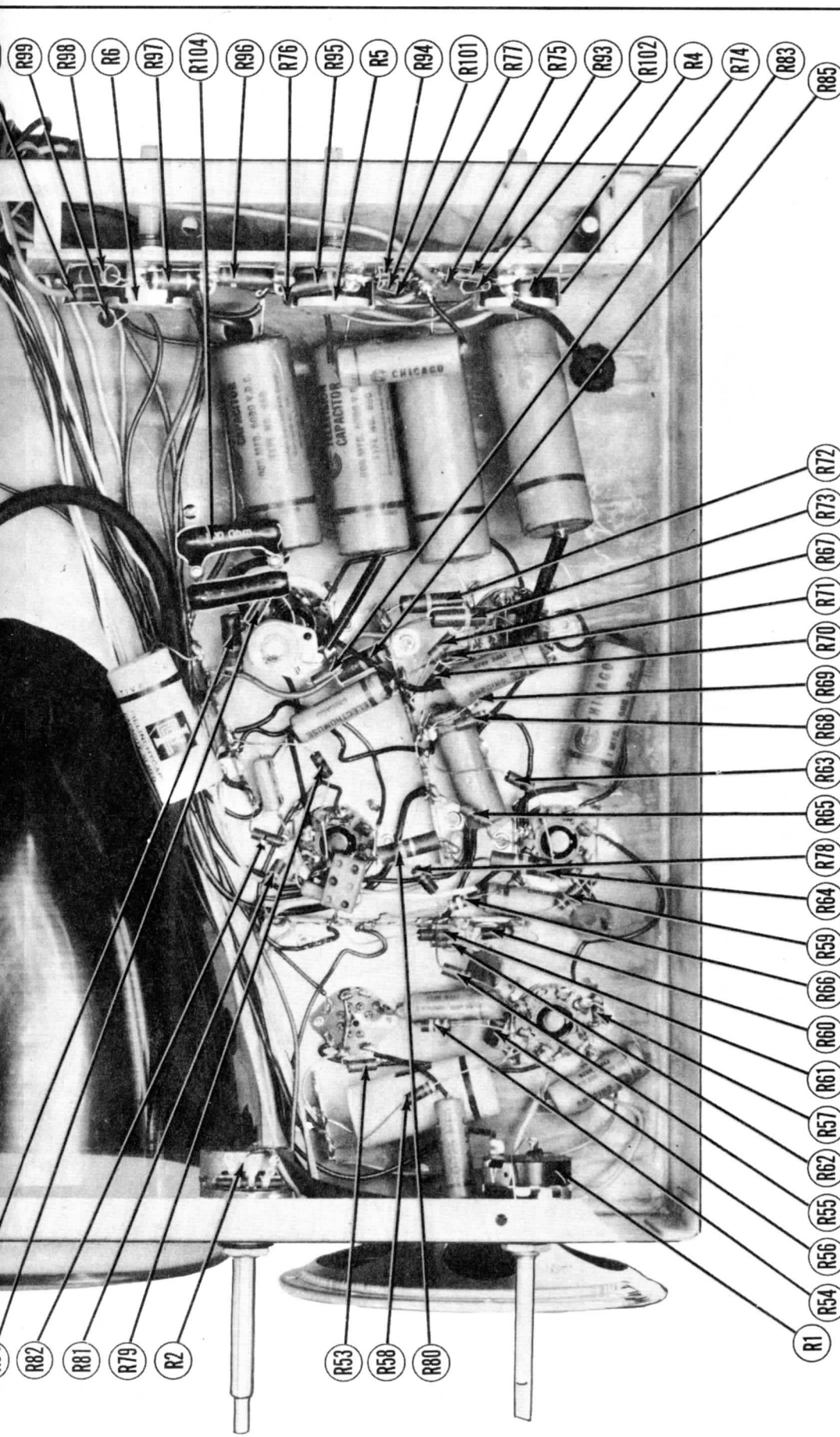


CHASSIS BOTTOM VIEW-CAPACITOR IDENTIFICATION

**MECK  
MODEL XA-701**

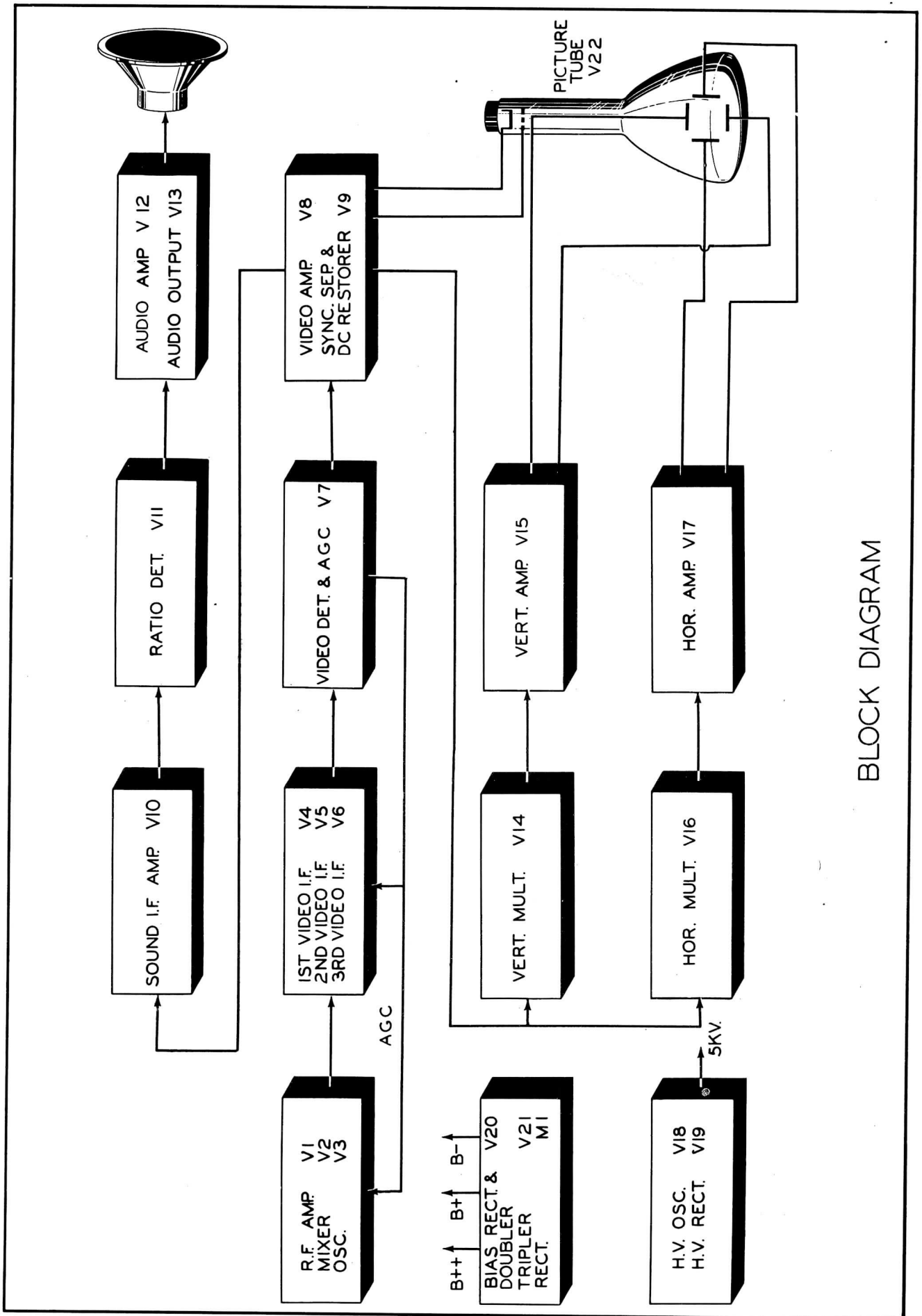






CHASSIS BOTTOM VIEW - RESISTOR IDENTIFICATION

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BLOCK DIAGRAM

MECK  
MODEL XA-701

TUBES (SYLVANIA or Equivalent)

ITEM No.	USE	REPLACEMENT DATA			RMA BASE TYPE	NOTES
		MECK PART No.	STANDARD REPLACEMENT			
V1	RF Amp.	6BH6	6BH6	7CM		
V2	Mixer	6AG5	6AG5	7BD		
V3	Oscillator	6C4	6C4	6BG		
V4	1st IF Amp.	6AU6	6AU6	7BK		
V5	2nd IF Amp.	6AU6	6AU6	7BK		
V6	3rd IF Amp.	6AU6	6AU6	7BK		
V7	Video Det.-AGC	6AL5	6AL5	6BT		
V8	Video Amp.	6AU6	6AU6	7BK		
V9	Sync. Sep.-DC Restorer	6AU6	6AU6	7BK		
V10	Sound IF Amp.	6AU6	6AU6	7BK		
V11	Ratio Det.	6AL5	6AL5	6BT		
V12	AF Amp.	6AT6	6AT6	7BT		
V13	Audio Output	25L6GT	25L6GT	7AC		
V14	Vert. Mult.	12SN7GT	12SN7GT	8BD		
V15	Vert. Output	12SN7GT	12SN7GT	8BD		
V16	Horiz. Multibrator	12SN7GT	12SN7GT	8BD		
V17	Horiz. Output	12SN7GT	12SN7GT	8BD		
V18	HV Osc.	12SN7GT	12SN7GT	8BD		
V19	HV Rectifier	1B3GT	1B3GT	3C		
V20	Rectifier	25Z6GT	25Z6GT	7Q		
V21	Tripler	6X5GT	6X5GT	6S		
V22	Picture Tube	7JP4	7JP4			

CAPACITORS

Capacity values given in the rating column are in mfd. for Electrolytic and Paper Capacitors, and in mmfd. for Mica and Ceramic Capacitors.

ITEM No.	RATING		REPLACEMENT DATA					IDENTIFICATION CODES AND INSTALLATION NOTES	
	CAP.	VOLT	MECK PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.	ERIE PART No.	SOLAR PART No.		SPRAGUE PART No.
C1A	40	350	CL-10033	AF88J	UP4445			TVL-64	▲ Filter
C2A	40	350	CL-10035A	AF82J16D					▲ Doubler Cap.
B	15	450							▲ Filter
C	30	150							■ " "
USA	125	150	CL-10034	AF101010					▲ " "
B	100	150		44A*					▲ " "
C4	10	450	CL-10036	PR8150/50	BR1045			TVA-21	Filter
C5	30	150	CL-10030	AF2J	BR3015			TVA-18	"
C6	30	150	CL-10030	PR8150/30	BR3015			TVA-18	"
C7	30	150	CL-10030	PR8150/30	BR3015			TVA-18	"
C8	4	50	CL-10027	PR8150/4	BR550			TVA-13	Decoupling
C9	10	25	CL-10032	PR850/10	BR102A			TVA-5	Stabilizing Cap.
C10	250		CC15251	1468-00025	5W5T25		MO.5-325	1FM-325	Ant. Coupling
C11	250		CC15251	1468-00025	5W5T25		MO.5-325	1FM-325	"
C12	680					GP2K-750			RF Coupling
C13	680					GP2K-750			RF Cath. Bypass Note 1
C14	680					GP2K-750			RF Screen Bypass
C15	680					GP2K-750			AGC Filter Note 2
C16	50					GP1K-50			RF Coupling
C17	.68								"
C18	.34								"
C19	1.5					NPOK-1.5			"
C20	25					GP1K-25			"
C21	680					GP2K-750			RF Bypass Note 2
C22	5000					GP2K-750			Mixer Screen Bypass
C23	680					GP2K-750			Osc. Feedback
C24	3					NPOK-3			"
C25	680					GP2K-750			RF Bypass
C26	1.5					NPOK-1.5			Osc. Coupling
C27	680					GP2K-750			Osc. Fil. Bypass
C28	270	500	CM15271	1468-00025	5W5T25	GP2K-250	MO.5-325	1FM-325	IF Coupling
C29	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	Mixer. Plate Decoup.
C30	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	1st IF Decoupling
C31	270	500	CM15271	1468-00025	5W5T25	GP2K-250	MO.5-325	1FM-325	IF Coupling
C32	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	AGC Filter
C33	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	AGC Filter
C34	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	2nd IF Decoupling
C35	.25	400	CP14254	P488-25	GT4P25	ST-4-25	TC-2		AGC Filter
C36	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	RF Bypass
C37	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	Filament Bypass
C38	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	"
C39	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	"
C40	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	"
C41	1500		CC15152	1467-0015	1W5D1	GP2L-0015	MW.5-215	1FM-215	IF Coupling
C42	5		CC15050	1468-000005	5W5V5	NPOK-5	MO.5-55	M5-55	RF Bypass
C43	330	500	CM15331	1468-0003	5W5T3	GP2K-300	MO.5-33	1FM-335	"
C44	.05	600	CP16503	P688-05	GT6S5	ST-6-05	TM-15		Video Coupling
C45	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	Video Amp. Screen Byp.
C46	.25	400	CP14254	P488-25	GT4P25	ST-4-25	TC-2		Video Coupling
C47	.05	600	CP16503	P688-05	GT6S5	ST-6-05	TM-15		"
C48	.05	600	CP16503	P688-05	GT6S5	ST-6-05	TM-15		Sync. Coupling
C49	200	500	CM15201	1468-0002	5W5T2	GP2K-200	MO.5-32	1FM-25	Hor. Sync. Coupling
C50	47	500	CM15470	1469-00005	5R5Q5	NPOM-50	MOS.5-45	M5-45	Fixed Trimmer
C51	47	500	CM15470	1468-00005	5W5Q5	GP1K-50	MO.5-45	1FM-45	Sound IF Grid Filter
C52	.02	400	CP14203	P488-02	GT4S2	ST-4-02	TM-12		Sound IF Screen Byp.
C53	.02	400	CP14203	P488-02	GT4S2	ST-4-02	TM-12		Sound IF Plate Decoup.
C54	1000	500	CM15102	1468-001	1W5D1	GP2L-001	MW.5-21	1FM-21	Diode Load Cap.
C55	1500		CC15152	1467-0015	1W5D15	GP2L-0015	MW.5-215	1FM-215	De-emphasis
C56	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	RF Bypass
C57	.02	400	CP14203	P488-02	GT4S2	ST-4-02	TM-12		Audio Coupling
C58	.025	600	CP16252	P688-022	GT6D2	GP2M-0025	ST-6-002	TM-22	"
C59	.01	600	CP16103	P688-01	GT6S1	GP2-335-01	ST-6-01	TM-11	"
C60	.02	400	CP14203	P488-02	GT4S2	ST-4-02	TM-12		Output Plate Bypass
C61	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	Integrator Net.
C62	5000		CMX10002	1467-005	1D5D5	GP2M-005	MW.5-25	1FM-25	"
C63	.01	600	CP16103	P688-01	GT6S1	GP2-335-01	ST-6-01	TM-11	Vert. Osc. Feedback
C64	.1	600	CP16104	P688-1	GT6P1	ST-6-1	TM-1		Vert. Coupling
C65	.05	600	CP16503	P688-05	GT6S5	ST-6-05	TM-15		Vert. Discharge
C66	.02	400	CP14203	P488-02	GT4S2	ST-4-02	TM-12		Vert. Coupling
C67	.005	6000	CP60502	7584-005	D5TH	STH-60-005	TVM-256		Vert. Sweep Coupling

ITEM No.	RATING		REPLACEMENT DATA		
	CAP.	VOLT	MECK PART No.	AEROVOX PART No.	CORNELL-DUBILIER PART No.
C68	.005	6000	CP60502	7584-005	D5TH
C69	100	500	CM15101	1468-0001	60D5
C70	100	500	CM15101	1468-0001	5W5T1
C71	.01	600	CP16103	P688-01	GT6S1
C72	.005	6000	CP60502	7584-005	D5TH
C73	.005	6000	CP60502	7584-005	60D5
C74	.02	400	CP14203	F488-02	D5TH
C75	350	500	CM15351	1469-00035	60D5
C76	1500		CC15152	1467-0015	GT4S2
C77	1000	500	CM15102	1468-001	1W5D15
C78	500	10000	CCX10000		1W5D1
C79	500	10000	CCX10000		
C80	.02	400	CP14203	F488-02	GT4S2
C81	.05	600	CP16503	P688-05	GT6S5
C82	5000		CMX10002	1467-005	1D5D5

\* Parallel sections to obtain desired capacity.  
 Note 1. Some models use 500MFD in this ar.  
 Note 2. Some models use 5000MFD in this ar.  
 Note 3. Some models use 05MFD in this ar.  
 Note 4. Not used in all models.

CON

ITEM No.	RATING		REPLACEMENT DATA		
	RESISTANCE	WATTS	MECK PART No.	IRC PART No.	CLARC PART No.
R1A	500K	1/2	VC12116A	D13-133	M-60-2
B	Shaft		Not Req.	A	Not Re
C	Switch		Not Req.	41	SW-A
R2A	1 Meg.	1/2	VC12112B		
B	250K				
R3A	1000	1/2	VC12113B		
B	25K				
R4A	10 Meg.	1/2	VC-12115B	D11-143	
B	Shaft		Not Req.	A	
R5A	10 Meg.	1/2	VC12115B	D11-143	
B	Shaft		Not Req.	A	
R6A	10 Meg.	1/2	VC12115B	D11-143	
B	Shaft		Not Req.	A	
R7A	5 Meg.	1/2	VC12114A	D11-141	
B	Shaft		Not Req.	A & C3 #	
R8A	5 Meg.	1/2	VC12114A	D11-141	
B	Shaft		Not Req.	A & C3 #	
R9A	5 Meg.	1/2	VC12114A	D11-141	
B	Shaft		Not Req.	A & C3 #	

# Use an extra nut as a spacer to hold con as possible. Then saw off shaft of new con to connect part of original shaft, (Insula Be sure that C3 coupler has plenty of clear

RESI

ITEM No.	RATING		REPLACEMENT DATA	
	RESISTANCE	WATTS	MECK PART No.	IRC PART No.
R10	580	1/2	RC35600	BTS-560
R11	580	1/2	RC35600	BTS-560
R12	390	1/2	RC39000	
R13	22K	1/2	RC12202	
R14	100	1/2	RC31000	
R15	10K	1/2		
R16	33K	1/2	RC33302	BTS-33K
R17	1 Meg.	1/2	RC31004	
R18	82K	1/2		BTS-82K
R19	6800	1/2		
R20	22K	1/2	RC12202	
R21	470	1/2	RC34700	
R22	4700	1/2	RC34700	
R23	22K	1/2	RC12202	
R24	82	1/2	RC10820	
R25	150	1/2	RC31500	
R26	150	1/2	RC31500	
R27	150	1/2	RC31500	
R28	22K	1/2	RC12202	
R29	82	1/2	RC10820	
R30	150	1/2	RC31500	
R31	2.2 Meg.	1/2	RC32204	BTS-2.2 Meg.
R32	150	1/2	RC31500	
R33	82	1/2	RC10820	
R34	47K	1/2	RC34702	BTS-47K
R35	100K	1/2	RC31003	BTS-100K
R36	150	1/2	RC31501	BTS-1500
R37	1 Meg.	1/2	RC30201	BTS-6200
R38	1 Meg.	1/2	RC31004	BTS-1 Meg-5%
R39	10K	1/2	RC31002	BTS-1 Meg-5%
R40	1 Meg.	1/2	RC31004	BTS-1 Meg-5%
R41	33K	1/2	RC33302	BTS-33K
R42	6800	1/2	RC36801	BTS-6800
R43	1 Meg.	1/2	RC31004	BTS-1 Meg.
R44	6800	1/2	RC36801	BTS-6800-5%
R45	220K	1/2	RC32203	BTS-220K
R46	180K	1/2	RC31803	BTS-180K
R47	470K	1/2	RC34703	BTS-470K
R48	470	1/2	RC34700	BTS-470
R49	100K	1/2	RC31003	BTS-100K
R50	47K	1/2	RC34702	BTS-47K
R51	6800	1/2	RC36801	BTS-6800-5%
R52	6800	1/2	RC36801	BTS-6800-5%
R53	10 Meg.	1/2	RC31005	BTS-10 Meg.
R54	390K	1/2	RC33903	BTS-390K
R55	6.8 Meg.	1/2	RC36804	BTS-6.8 Meg.
R56	470K	1/2	RC34703	BTS-470K
R57	68	1/2	RC10680A	BW-68
R58	4700	1/2</		





# DESCRIPTIONS

ITEM No.	SOLAR PART No.	SPRAGUE PART No.	IDENTIFICATION CODES AND INSTALLATION NOTES
	STM-60-005	TVM-256	" " "
00	M0.5-31	1FM-31	Hor. Osc. Feedback
00	M0.5-31	1FM-31	Hor. Discharge
05-01	ST-6-01	TM-11	Hor. Sweep Coupling
	STM-60-005	TVM-256	" " "
	STM-60-005	TVM-256	" " "
	ST-4-02	TM-12	RF Bypass Note 3
		1FM-335	Fixed Trimmer
015	MW.5-215	1FM-215	HV Osc. Grid Cap.
01	MW.5-21	1FM-21	Fixed Trimmer Note 4.
			HV Filter TN Oxide
	ST-4-02	TM-12	HV Osc. Fil. Bypass
	ST-6-05	TM-15	Hor. Cent. Cont. Bypass
05	MW.5-25	1FM-25	Line Filter

### INSTALLATION NOTES

Volume Control  
 Attach to R1A Per Instructions

Vertical Hold Control  
 Horizontal Hold Control } Dual Concentric

Contrast Control  
 Brightness Control

Width Control  
 Attach to R4A Per Instructions

Height Control  
 Attach to R5A Per Instructions

Vertical Linearity Control  
 Attach to R6A Per Instructions

Focus Control  
 Attach to R7A Per Instructions

Horizontal Centering Control  
 Attach to R8A Per Instructions

Vertical Centering Control  
 Attach to R9A Per Instructions

Back from control sub-panel as far as that C3 coupler can be employed (Part) to the new control. (Caution: between itself and chassis.)

ITEM No.	RATING		REPLACEMENT DATA		IDENTIFICATION CODES
	RESISTANCE	WATTS	MECK PART No.	IRC PART No.	
R62	560Ω	1/4	RC35600	BTS-560	Grn.-Blue-Br.
R63	1000Ω	1/4	RC31001	BTS-1000	Br.-Blk.-Red
R64	100KΩ	1/4	RC41003	BTA-100K	Br.-Blk.-Yl.
R65	5.6 Meg.	1/4	RC35604	BTS-5.6 Meg.	Grn.-Blue-Grn.
R66	390KΩ	1/4	RC33903	BTS-390K	Or.-White-Yl.
R67	5.6 Meg.	1/4	RC35604	BTS-5.6 Meg.	Grn.-Blue-Grn.
R68	4.7 Meg.	1/4	RC14704	BTS-4.7 Meg.	Yl.-Vl.-Grn.
R69	18KΩ	1/4	RC31802A	BTS-18K	Br.-Gray-Or.
R70	150KΩ	1/4	RC31503	BTS-150K	Br.-Grn.-Yl.
R71	2.2 Meg.	1/4	RC31204	BTS-2.2 Meg.	Red-Red-Grn.
R72	820KΩ	1/4	RC48203	BTA-820K	Gray-Red-Yl.
R73	820KΩ	1/4	RC48203	BTA-820K	Gray-Red-Yl.
R74	5.6 Meg.	1/4	RC35604	BTA-5.6 Meg.	Grn.-Blue-Grn.
R75	5.6 Meg.	1/4	RC35604	BTA-5.6 Meg.	Grn.-Blue-Grn.
R76	4.7 Meg.	1/4	RC14704	BTA-4.7 Meg.	Yl.-Vl.-Grn.
R77	4.7 Meg.	1/4	RC14704	BTA-4.7 Meg.	Yl.-Vl.-Grn.
R78	4700Ω	1/4	RC34701	BTS-4700	Yl.-Vl.-Red
R79	1000Ω	1/4	RC31001	BTS-1000	Br.-Blk.-Red
R80	100KΩ	1/4	RC41003	BTA-100K	Br.-Blk.-Yl.
R81	220KΩ	1/4	RC33203	BTS-220K	Red-Red-Yl.
R82	1.2 Meg.	1/4	RC31204	BTS-1.2 Meg.	Br.-Red-Grn.
R83	4.7 Meg.	1/4	RC14704	BTS-4.7 Meg.	Yl.-Vl.-Grn.
R84	4.7 Meg.	1/4	RC14704	BTS-4.7 Meg.	Yl.-Vl.-Grn.
R85	47KΩ	1/4	RC44702	BTA-47K	Yl.-Vl.-Or.
R86	47KΩ	1/4	RC44702	BTA-47K	Yl.-Vl.-Or.
R87	150KΩ	1/4	RC31503	BTS-150K	Br.-Grn.-Yl.
R88	4700Ω	1/4	RC34701	BTS-4700	Yl.-Vl.-Red
R89	68Ω	1/4	RC10680A	BTS-68Ω	Blue-Gray-Blk.
R90	68Ω	1/4	RC10680A	BTS-68Ω	Blue-Gray-Blk.
R91	100Ω	1/4	RC31000	BTS-100Ω	Br.-Blk.-Br.
R92	8200Ω	1/4	RC58201	BT-2-8200	Gray-Red-Red
R93	1 Meg.	1/4	RC31004	BTS-1 Meg.	Br.-Blk.-Grn.
R94	3.3 Meg.	1/4	RC33304		Or.-Or.-Grn.
R95	3.9 Meg.	1/4	RC43904		Or.-White-Grn.
R96	3.9 Meg.	1/4	RC43904		Or.-White-Grn.
R97	4.7 Meg.	1/4	RC44704		Yl.-Vl.-Grn.
R98	4.7 Meg.	1/4	RC44704		Yl.-Vl.-Grn.
R99	3.3 Meg.	1/4	RC43304		Or.-Or.-Grn.
R100	3.3 Meg.	1/4	RC43304		Or.-Or.-Grn.
R101	3.3 Meg.	1/4	RC33304	BTS-3.3 Meg.	Or.-Or.-Grn.
R102	3.3 Meg.	1/4	RC33304	BTS-3.3 Meg.	Or.-Or.-Grn.
R103	150Ω	20	RK10010	DG-150	
R104A	100Ω	5	RW61000 *	AB-100 #	
B	100Ω	5			
R105	1000Ω	2	RC51001	BT-2-1000	Br.-Blk.-Red
R106	1200Ω	1	RC41201	BTA-1200	Br.-Red-Red
R107	18Ω	2	RC50180		Br.-Gray-Blk.
R108	150Ω	2	RC31500	BW-1-150	Br.-Grn.-Br.
R109	15KΩ	2	RC51502	BT-2-15K	Br.-Grn.-Or.
R110	10KΩ	1		BTA-10K	Br.-Blk.-Or.
R111	100KΩ	1	RC41003	BTA-100K	Br.-Blk.-Yl.

\* Item R104A and R104B are connected in parallel.  
 # Replaces items R104A and R104B.

### IDENTIFICATION CODES

Resistors are ± 10% unless otherwise stated.

Blue-Br.	Ant. Pad.
Blue-Br.	" "
White-Br.	" "
Red-Or.	RF Grid
Blk.-Br.	RF Cathode
Blk.-Or.	RF Plate
Br.-Or.	RF Screen
Blk.-Grn.	Mixer Grid
Red-Or.	Mixer Screen
Gray-Red	Osc. Plate
Red-Or.	Osc. Grid
Blk.-Br.	Osc. Cathode
Blk.-Red	Mixer Coil Shunt
Red-Or.	1st Video IF Grid
Red-Blk.	1st Video IF Cathode
Grn.-Br.	Mixer Plate Decoupling
Grn.-Br.	AGC Network
Grn.-Br.	1st Video IF Decoupling
Red-Or.	2nd Video IF Grid
Red-Blk.	2nd Video IF Cathode
Grn.-Br.	AGC Network
Grn.-Br.	2nd Video IF Decoupling
Red-Blk.	3rd Video IF Cathode
Blk.-Or.	AGC Diode Load
Blk.-Yl.	Voltage Divider Network
Grn.-Red	
Red-Red	Video Det. Load
Blk.-Grn.	Video Amp. Grid
Blk.-Or.	Big Voltage Divider
Blk.-Grn.	
Blk.-Or.	Peaking Coil Shunt
Gray-Red	Video Amp. Plate
Blk.-Grn.	Sync. Sep. Grid
Gray-Red	Sync. Sep. Cathode
Red-Yl.	Sync. Sep. Plate
Gray-Yl.	Phase Correction
Blk.-Yl.	Sound IF Grid
Blk.-Br.	Sound IF Plate Decoupling
Blk.-Yl.	Sound IF Screen Decoupling
Blk.-Or.	De-emphasis
Gray-Red	Ratio Det. Diode Load
Gray-Red	
Blk.-Blue	AF Grid
White-Yl.	AF Plate
Gray-Grn.	Bias Network
Blk.-Yl.	Output Grid
Gray-Blk.	Output Cathode
Blk.-Red	Filter
Blk.-Red	Integrator Network
Blue-Br.	Voltage Divider

5%

5%

5%

10%

10%

5%

10%

### TRANSFORMER (FILAMENT)

ITEM No.	RATING				REPLACEMENT DATA			
	PRI.	SEC. 1	SEC. 2	SEC. 3	MECK PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.
T1	117VAC .05A	6.5VAC @ .6A			TP10002	P-6134 *	T21F08	P-2944 *

\* Drill one new mounting hole.

### TRANSFORMER (AUDIO OUTPUT)

ITEM No.	RATING				REPLACEMENT DATA				INSTALLATION NOTES
	IMPEDANCE	DC RES.	PRI.	SEC.	MECK PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.	
T2	2500Ω	3.3Ω	170Ω	.5Ω	T010004A	A-3876	RO-2	A-2928	

### TRANSFORMER (SWEEP CIRCUITS)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	DC RESISTANCE		MECK PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.	
	PRI.	SEC. 1					
T3	33Ω	650Ω	TRF10023				
		SEC. 2					
		2.5Ω					
		SEC. 3					
		0Ω					

### SPEAKER

ITEM No.	RATING		REPLACEMENT DATA			NOTES
	FIELD RES.	V. C. IMP.	MECK PART No.	JENSEN PART No.	QUAM PART No.	
SP1	PM	3.3Ω	SR10014B	ST-105 MOD. P5-X	5A07	* Drill and tap magnet frame.
SP2	CONE DIA.	V. C. DIA.				
	4 3/4"	9/16"				

### FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				INSTALLATION NOTES
	TOTAL DIRECT CURRENT	D. C. RESISTANCE	INDUCTANCE (0 CURRENT 1000 Hz)	MECK PART No.	STANCOR PART No.	CHICAGO PART No.	MERIT PART No.	
L1	.051A	70Ω	4H	LG10007	C-2304	R-650*	C-2991*	* Drill new mounting holes.

MECK MODEL XA-701

## PARTS LIST AND DESCRIPTIONS (Continued)

### COILS (RF-IF)

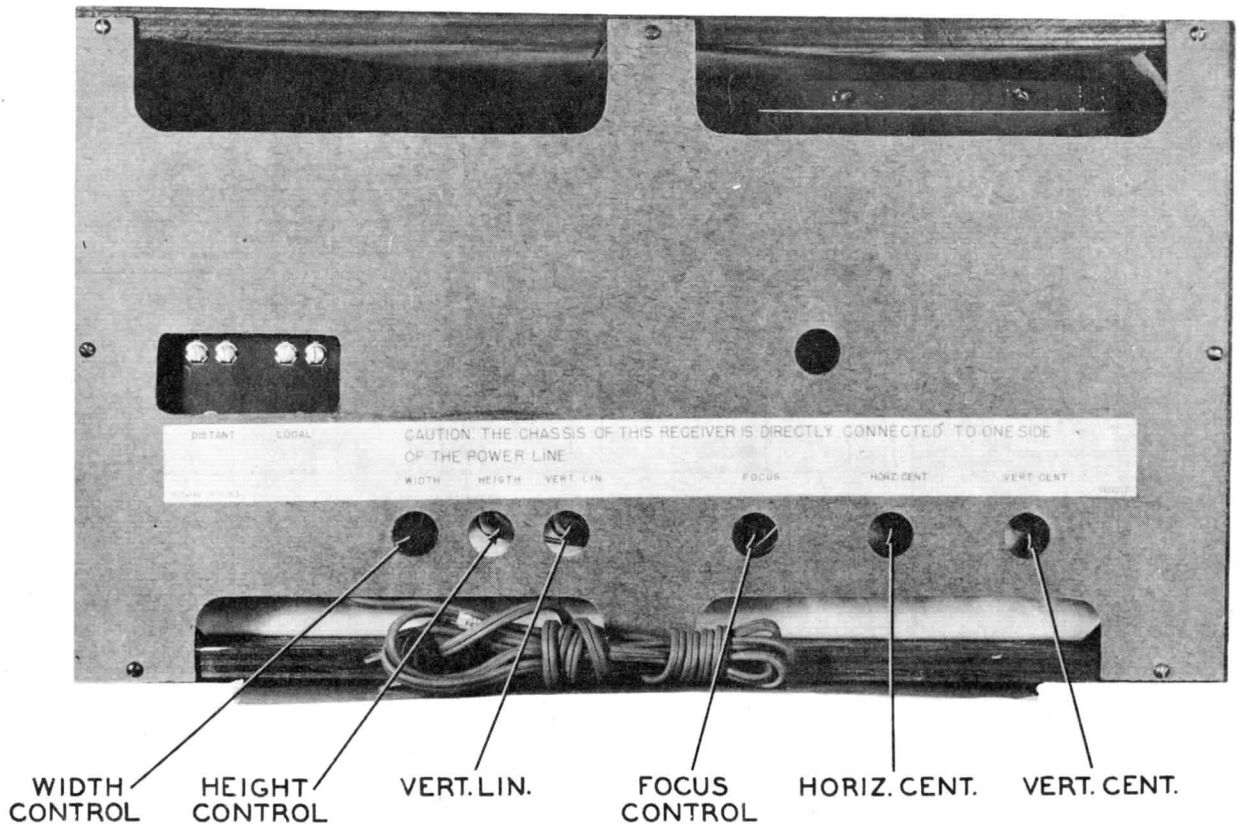
ITEM No.	USE	DC RES.		REPLACEMENT DATA		NOTES
		PRI.	SEC.	MECK	MEISSNER	
				PART No.	PART No.	
L2	Ant. Coil	0Ω				Part of Tuner Assembly Part #TT10001
L3	Ant. Coil	0Ω				
L4	Ant. Input	2Ω	CT			" " " " " " "
L5	1st Video	IF		TS10030		
L6	2nd Video	IF		TS10030		
L7	3rd Video	IF		TS10032		
L8	4th Video	IF		TS10032		
L9	Peaking	8.5Ω		TS10032		170 Microhenry Coil, wound on 33KΩ resistor. Inductance-410 Microhenries
L10	Peaking	17Ω		LG10008		
L11	Sound Trap	11Ω	1Ω	LG10010		Primary Inductance-250 Microhenries.
L12	Peaking	14Ω		TS10038		340 Microhenry Coil, wound on 15KΩ resistor
L13	Ratio Det.	4Ω	.1Ω	LG10011A		
L14	Fill. Choke	0Ω		TS10034B		
L15	Fill. Choke	0Ω		LG10012		Part of tuner assembly part #TT10001 Inductance-24 Microhenries
L16	Fill. Choke	0Ω		LG10012		

### SELENIUM RECTIFIER

ITEM No.	RATING	REPLACEMENT DATA		NOTES
	CURRENT	MECK PART No.		
M1	.145A	RS10002		

### MISCELLANEOUS

ITEM No.	PART NAME	MECK PART No.	NOTES
M2	Tuner Assembly	TT10001	Sarkes Tarzian Part #V-5941 Aligned
M3	Terminal Strip	XTP10022	Antenna
M4	Socket		Picture Tube-Franklin #40-23, Radial Leads Less mounting spring
	Picture Window	DW10006A	
	Knobs	K10066	2-Concentric Shaft type (outer)
	Knobs	K10067	1-single shaft type(dummy)
	Knobs	K10068	2-concentric shaft type(inner)
	Knobs	K10069	1-
	Knobs	K10070	1-concentric shaft type (outer)
	Escutcheon Plate	N10007A	Tuner
	Cabinet	SW10033B	Wood cabinet
	Variable Ceramic Capacitor	CT10003	1.5-7PF



CABINET-REAR VIEW