

Majestic Radio & Telev. Corp.

Model: 5A445

Chassis:

Year: Pre 1948

Power:

Circuit:

IF:

Tubes:

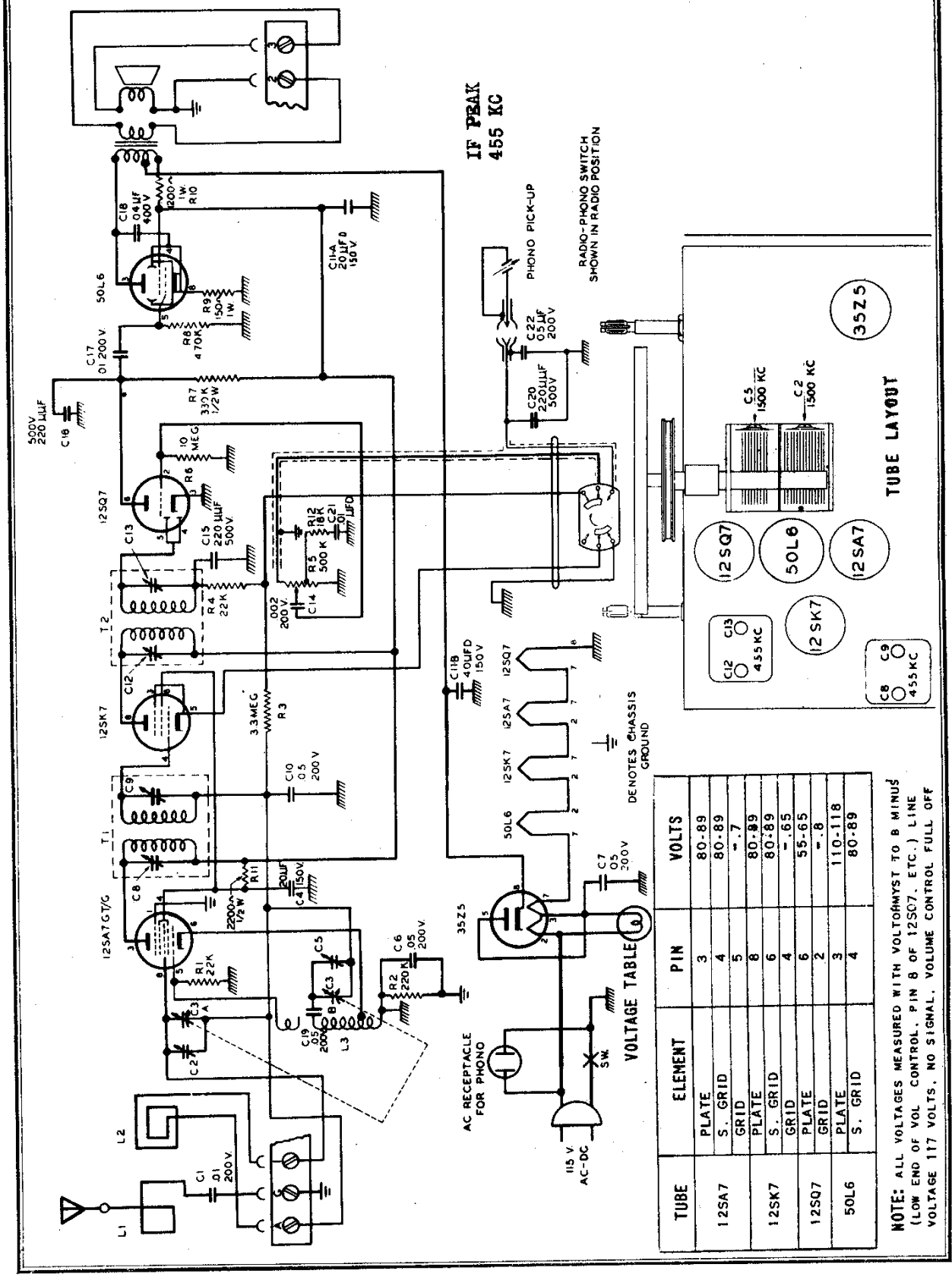
Bands:

Resources

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MAJESTIC RADIO & TELEV. CORP. MODELS 5A445, 5A445R



TUBE	ELEMENT	PIN	VOLTS
12SA7	PLATE	3	80-89
	S. GRID	4	80-89
	GRID	5	- .7
12SK7	PLATE	8	80-89
	S. GRID	6	80-89
	GRID	4	- .65
12SQ7	PLATE	6	55-65
	GRID	2	- .8
50L6	PLATE	3	110-118
	S. GRID	4	80-89

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MODELS 5A445, 5A445R

MAJESTIC RADIO & TELEV. CORP.

C20	220 MMFD. ± 20%, 500V	6-151
C18	.04 MFD. + 20%-10%, 400V	5-58
T1	1ST I.F. TRANSFORMER	3-116
T2	2ND I.F. TRANSFORMER	3-117
L3	OSCILLATOR COIL ASSEMBLY	3-158
	OUTPUT TRANSFORMER	12-20
	SPEAKER	22-32
	DIAL SCALE	117-66
	DIAL CORD TENSION SPRING	129-28
	DIAL POINTER	135-14
	SWITCH, PHONO-RADIO	11-52
	LOOP ANTENNA AND BACK COVER	20-30
	KNOB-TUNING	128-54
	KNOB, RADIO-PHONO	128-55
	KNOB, VOLUME	128-56
	PILOT LIGHT JEWEL	127-205
	PILOT LIGHT SHIELD	23-45
	PILOT LIGHT, #47	26-2
	MONO MOTOR RECEPTACLE	15-98
	CABINET, MODEL 5A445R	115-22
	ESCUTCHEON, MODEL 5A445R	122-38
	CABINET, MODEL 5A445	115-18
	DIAL CRYSTAL AND ESCUTCHEON, MODEL 5A445	122-33

ITEM	DESCRIPTION	PART NO.
R1	22,000 OHM, 20%, 1/4 WATT	9-184
R2	220,000 OHM, 20%, 1/4 WATT	9-182
R3	3.3 MEGOHM, 20%, 1/4 WATT	9-206
R5	VOLUME CONTROL WITH SWITCH, 1/2 MEGOHM	13-28
R6	10 MEGOHM, 20%, 1/4 WATT	9-160
R7	330,000 OHM 20%, 1/2 WATT	9-89
R8	470,000 OHM 20%, 1/4 WATT	9-207
R9	150 OHM, 20%, 1 WATT	9-251
R10	1200 OHM, 10%, 1 WATT	9-216
R11	2200 OHM, 10%, 1/2 WATT	02-100
R12	18,000 OHM, 20%, 1/4 WATT	9-269
C1, C17,		
C21	.01 MFD. + 40%-10%, 200V	5-57
C2, C3, C5	GANGED TUNING CONDENSER	7-24
C6, C7,		
C10, C19,		
C22	.05 MFD. + 40%-10%, 200V	5-40
C8, C9,		
C12, C13,	TRIMMER (PART OF GANG CONDENSER)	
C11	20-40 MFD 150V ELECTROLYTIC	19-24
C4	20 MFD ELECTROLYTIC CONDENSER 150V	19-32
C14	.002 MFD. + 40%-10%, 200V	5-52
C15, C16,		

ALIGNMENT

BEFORE ALIGNING, SET THE DIAL POINTER AS FOLLOWS: OPEN THE TUNING GANG CONDENSER (PLATES FULLY OPEN) SET DIAL POINTER SO THAT IT IS IN LINE WITH THE LAST MARK AT THE HIGH FREQUENCY END OF THE DIAL SCALE

WHILE ALIGNING THIS RECEIVER, TURN THE VOLUME CONTROL FULL ON, AND KEEP THE SIGNAL GENERATOR OUTPUT AS LOW AS POSSIBLE TO PREVENT AVC ACTION AND FALSE READINGS

STEP	DUMMY ANT.	TEST OSC. CONNECTION	TEST OSC. FREQUENCY	RECEIVER DIAL	ADJUST	REMARKS
1	.01 MFD	12SA7 GRID (PIN NO 5)	455 KC. MODULATED	ANY QUIET SPOT	C13, C12, C9, C8 FOR MAX. OUTPUT	REPEAT IN REVERSE ORDER
2	Loop*	1500 KC MODULATED	150	C5 FOR MAXIMUM OUTPUT	
3	Loop*	1500 KC MODULATED	150	C2 FOR MAXIMUM OUTPUT	ROCK GANG WHILE ADJUSTING
4	REPEAT COMPLETE ALIGNMENT PROCEDURE CAREFULLY					

* MAKE A TWO OR THREE TURN LOOP ABOUT 12 INCHES IN DIAMETER CONNECT TO OUTPUT TERMINALS OF THE SIGNAL GENERATOR PLACE THIS LOOP IN A PLANE PARALLEL TO THE RECEIVER LOOP ANTENNA AND ABOUT A FOOT AWAY FROM THE RECEIVER LOOP IMPORTANT: WHEN MAKING RF ADJUSTMENTS, THE RECEIVER LOOP ANTENNA SHOULD BE SPACED FROM THE CHASSIS EXACTLY AS WHEN THE RECEIVER IS IN THE CABINET