



Majestic Radio & Telev. Corp.

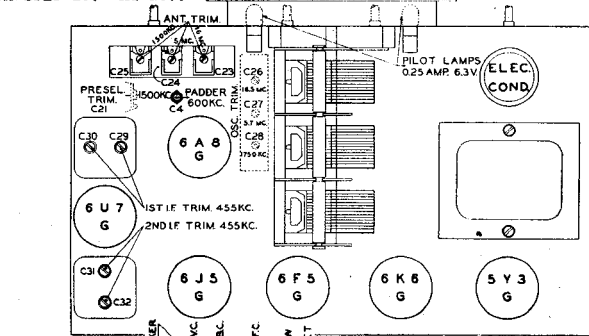
Majestic Radio & Telev. Corp.			
	Model: 167	Chassis:	Year: Pre August 1939
	Power:	Circuit:	IF:
	Tubes:		
	Bands:		
Resources			
Riders 10 (X) MAJESTIC 10-6			

MODELS 67,68,670,671
672,673

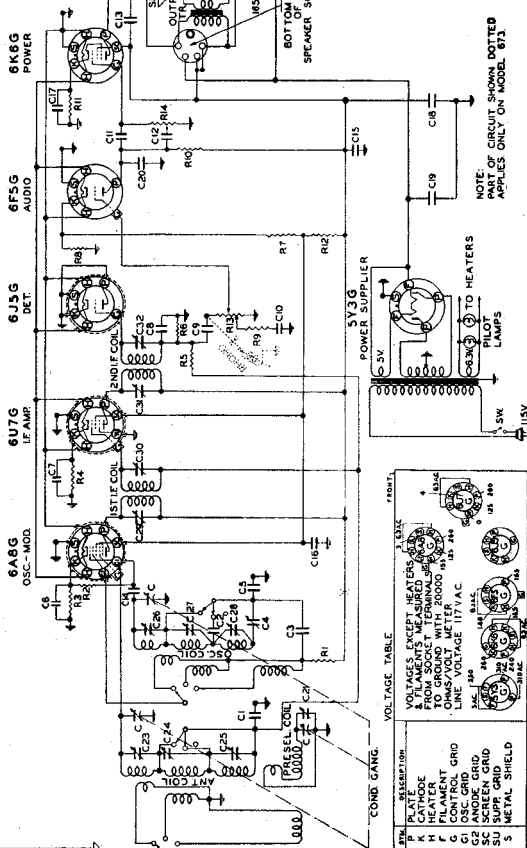
Chassis 167 and 1673

MAJESTIC RADIO & TELEV. CORP.

Schematic, Voltage
Socket, Trimmers
Alignment



CHASSIS LAYOUT



IP PEAK 455 KC

SHORT WAVE BAND

Rotate the wave band switch to full clock wise position. Connect high side of generator output to antenna lead through a 400 ohm dummy antenna. Completely disengage variable condenser. Apply 18.5 meg. signal. Unscrew trimmer C26 to a minimum capacity, slowly turn the screw so that the trimmer capacity increases until the signal is heard. Apply 16 meg. signal, rotate gang condenser until this signal is heard. Adjust C23 for maximum response. It may be found inadvisable to "rock" generator frequency back and forth through signal to offset the detuning effect from inter action between input and oscillator circuits at high frequencies. Check alignment through medium of sensitivity at all meg. and 6 meg. frequencies.

Correct alignment is extremely important. The receiver is properly aligned at the factory and should not be disturbed unless it is absolutely necessary. The procedure is as follows: Turn wave change switch to broadcast position (full counter clockwise) and rotate variable condenser until it is about 50% engaged. Apply a 455 KC signal to the grid of 6A8G mixer tube through a tubular condenser on the order of 1 MFD. Referring to chassis layout, adjust C30, C29, C31 and C32 for maximum signal using of course some sort of indicating device such as an AC voltmeter or output meter across the voice coil of the speaker. It may be necessary to apply a very strong signal to "find" the signal until alignment is approached. It is advisable to maintain as low a signal input as conveniently possible in order to minimize the possibility of misalignment resulting from A.V.C. and overload effects. If a squeal is heard while tuning, rotate the gang condenser slightly and it should disappear. Naturally, the ground side of the generator should be connected to the chassis either directly or through the 1 MFD. condenser.