

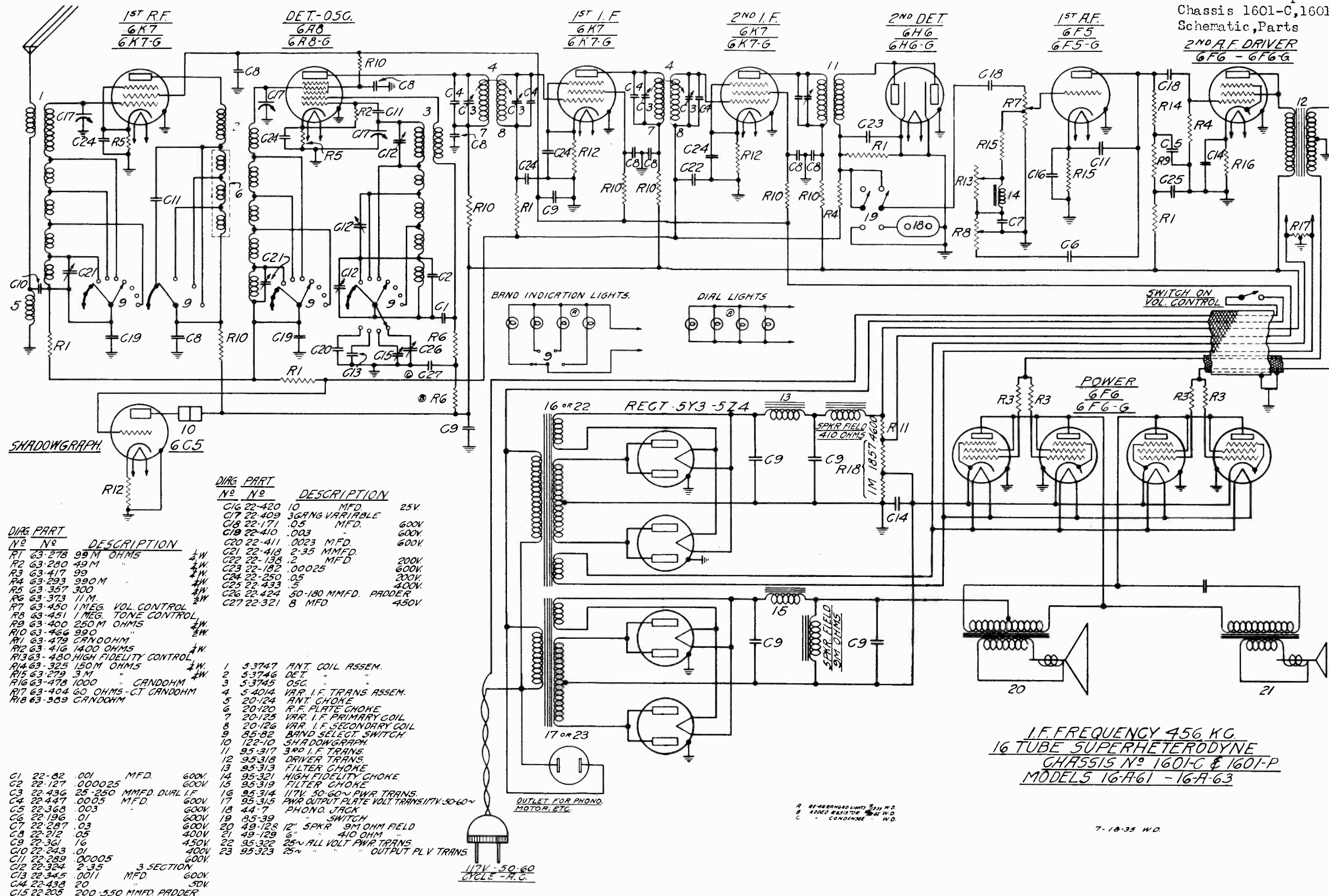






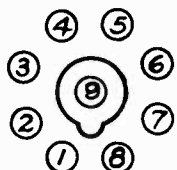
ZENITH RADIO CORP.

MODELS 16-A-61, 16-A-63
Stratosphere
Chassis 1601-C, 1601-P
Schematic, Parts
2ND A.F. DRIVER
6F6 - 6F6-G



Socket Voltages

TUBE	POSITION	1	2	3	4	5	6	7	8	9
6K7	R.F.	0	3AC	280	100	3.5	-	3AC	3.5	0
6A8	1st Det. & Osc.	0	3AC	280	100	.4	125	3AC	3.5	0
6K7	1st I.F.	0	3AC	280	100	6.5	-	3AC	6.5	0
6K7	2nd I.F.	0	3AC	280	100	6.5	-	3AC	6.5	0
6H6	2nd Det.	0	3AC	-2	0	-2	-	3AC	0	-
6F5	1st Audio	0	3AC	-	3	-	-	3AC	1	0
6F6	2nd Audio Driver	0	3AC	280	280	0	-	3AC	25	-
6C5	Shadowgraph Amp.	0	3AC	280	-	0	-	3AC	11	-
6F6	(4 tubes) Power	0		370	370	0	-		35	-
5Y3	Rectifier Top Chassis	0	390	-	320AC	-	320AC	-	390	-
5Y3	Rectifier Lower Chassis	0	360	-	300AC	-	300AC	-	360	-



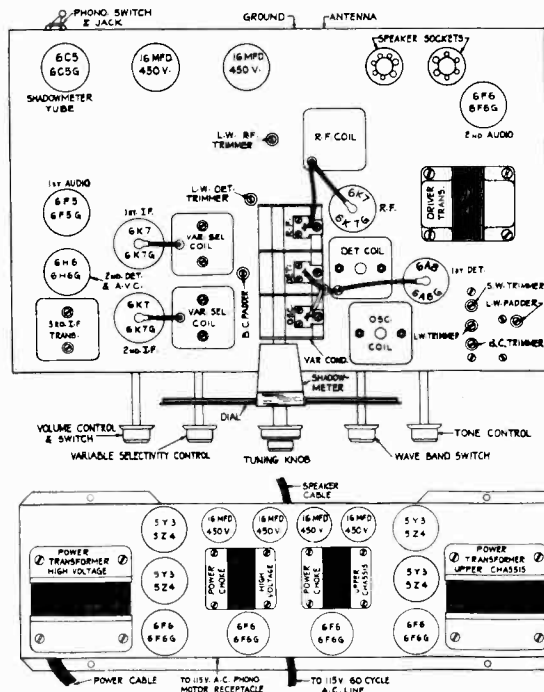
**BOTTOM VIEW
OF SOCKET**

Line Voltage 115 Antenna and Ground Disconnected

Voltages measured from point indicated to ground, using a 1000 ohm per volt meter, except heaters (2 - 7)

Alignment

- The diagram on page shows position of major components and aligning adjustments. It should be studied carefully before any attempt is made to adjust the various circuits.
- Set service oscillator to 456 KC, and connect to the grid of the 6A8 tube. The grid cap should not be removed from the tube as this will remove bias. Tune the I.F. transformers for maximum output. Alignment should always be made with the service oscillator set to as low an output as will give a satisfactory indication on the output meter.
- Connect the service oscillator to the antenna and ground post. With the band switch in the broadcast position, set the dial pointer to 1700 kilocycles, and adjust the oscillator trimmer on the gang condenser for a maximum output. Align the R.F. and detector condenser trimmers, also located on the gang condenser, for a maximum output.
- Set the dial pointer to 600 kilocycles, and adjust the B.C. padder meanwhile rocking the gang condenser back and forth across 600 kilocycles until the padder setting for maximum output is obtained.. It may be necessary to go back and make a slight correction of the trimmer at 1700 kilocycles after the padder adjustment is completed.



Power Pack Chassis Drawing

- Turn the band switch for the "B" band. Rock the gang back and forth across the 6 megacycles readings, meanwhile adjusting the oscillator trimmer on the gang condenser until maximum output is obtained. It will always be found that the dial reading for 6 megacycles is very close to this point. The service oscillator, of course, should be set at 6 megacycles.
- Align "D" band (7-22.5 megacycles) next by setting service oscillator and dial indicator to 18 megacycles, and rocking indicator slowly over that point while adjusting the S.W. Trimmer to maximum output.
- Set back to 1700 K.C. Readjust oscillator circuit this time using broadcast trimmer on chassis base.
- Set band switch to "C" band (long wave) and peak at 350 K.C. with L.W., R.F.-Det. and Oscillator trimmers. Turn dial indicator and service oscillator to 180 K.C., and adjust long wave padder while slowly rocking dial indicator.
- Repeat operation #2.

Stratosphere SERVICE DATA

ZENITH RADIO CORP.

MODELS 16-A-61, 16-A-63
Stratosphere
Chassis 1601-C, 1601-F
Voltage, Socket, Trimmers
Alignment