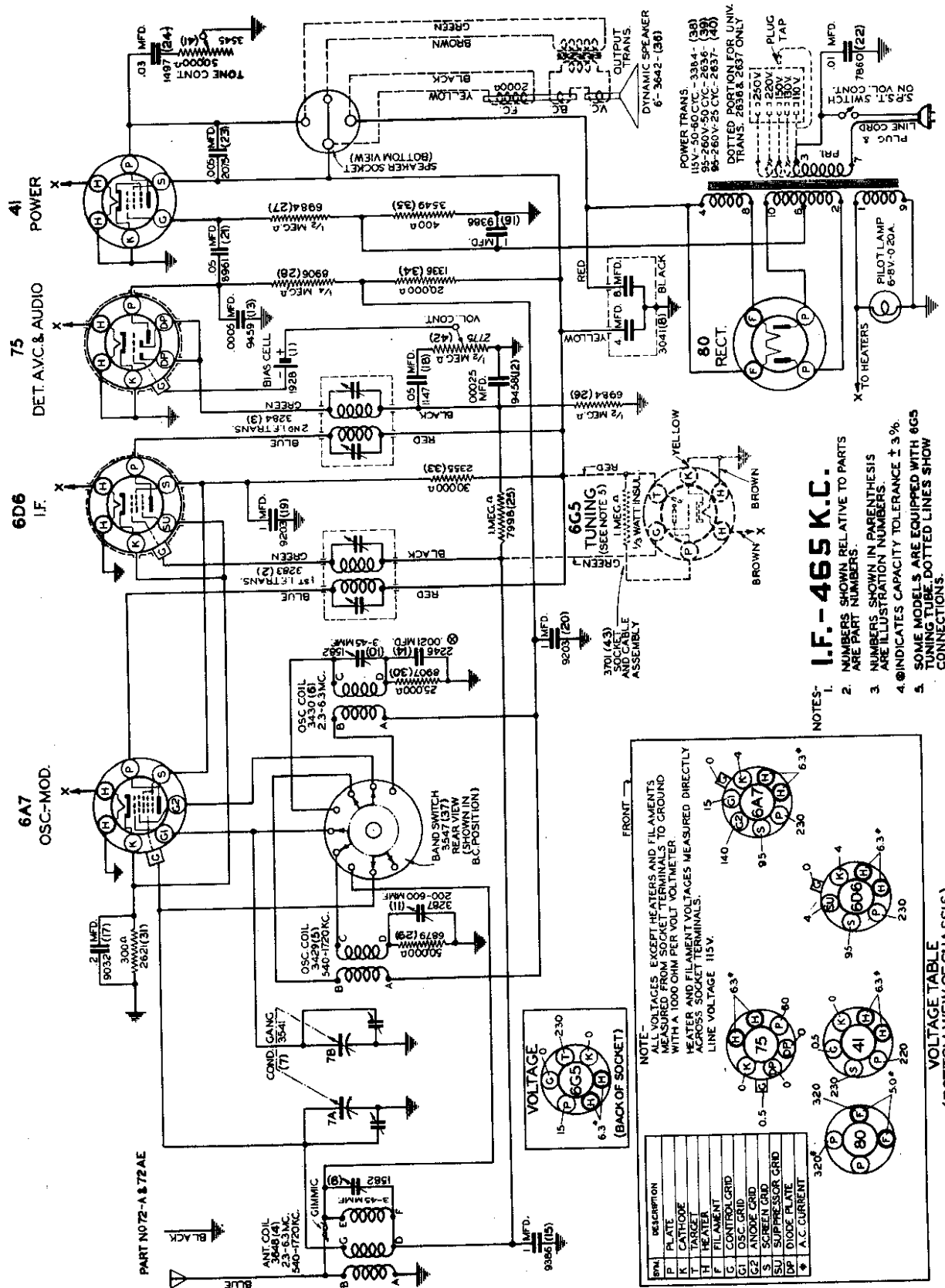


ALLIED RADIO CORP.

MODEL A9741
Chassis 72A
Schematic, Voltage



- NOTES:**
1. NUMBERS SHOWN RELATIVE TO PARTS ARE PART NUMBERS.
 2. NUMBERS SHOWN IN PARENTHESIS ARE ILLUSTRATION NUMBERS.
 3. NUMBERS SHOWN IN PARENTHESIS ARE ILLUSTRATION NUMBERS.
 4. @ INDICATES CAPACITY TOLERANCE ± 3%.
 5. SOME MODELS ARE EQUIPPED WITH 6G5 TUNING TUBE. DOTTED LINES SHOW CONNECTIONS.

VOLTAGE TABLE (BOTTOM VIEW OF CHASSIS)

NOTE - ON TUBES, EXCEPT HEATERS AND FILAMENTS MEASURED FROM SOCKET TERMINALS TO GROUND WITH A 1000 OHM PER VOLT VOLTMETER. HEATER AND FILAMENT VOLTAGES MEASURED DIRECTLY ACROSS SOCKET TERMINALS. LINE VOLTAGE 115V.

Pin	Description	320	230	220
1	PLATE			
2	CATHODE			
3	TARGET			
4	HEATER	6.3*	6.3*	6.3*
5	FILAMENT	6.3*	6.3*	6.3*
6	CONTROL GRID	0.5	0.5	0.5
7	SCREEN GRID	320	230	220
8	ANTENNA GRID	320	230	220
9	SUPPRESSOR GRID	320	230	220
10	DIODE PLATE	320	230	220
11	A.C. CURRENT	320	230	220

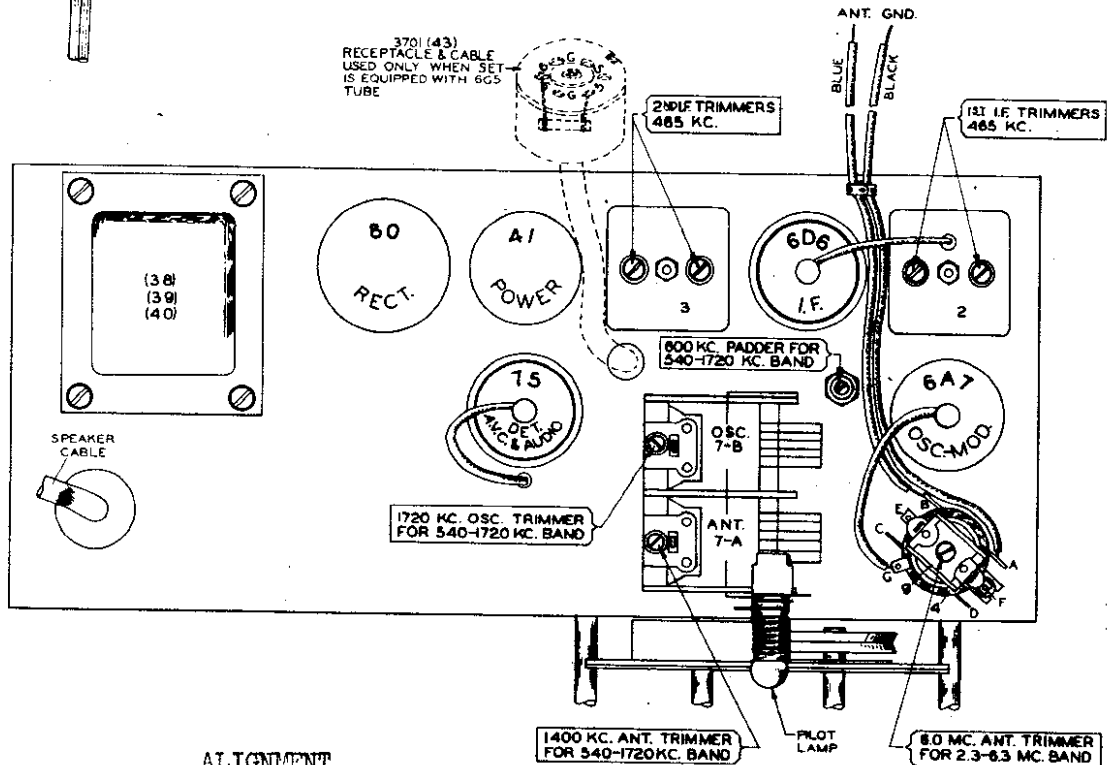
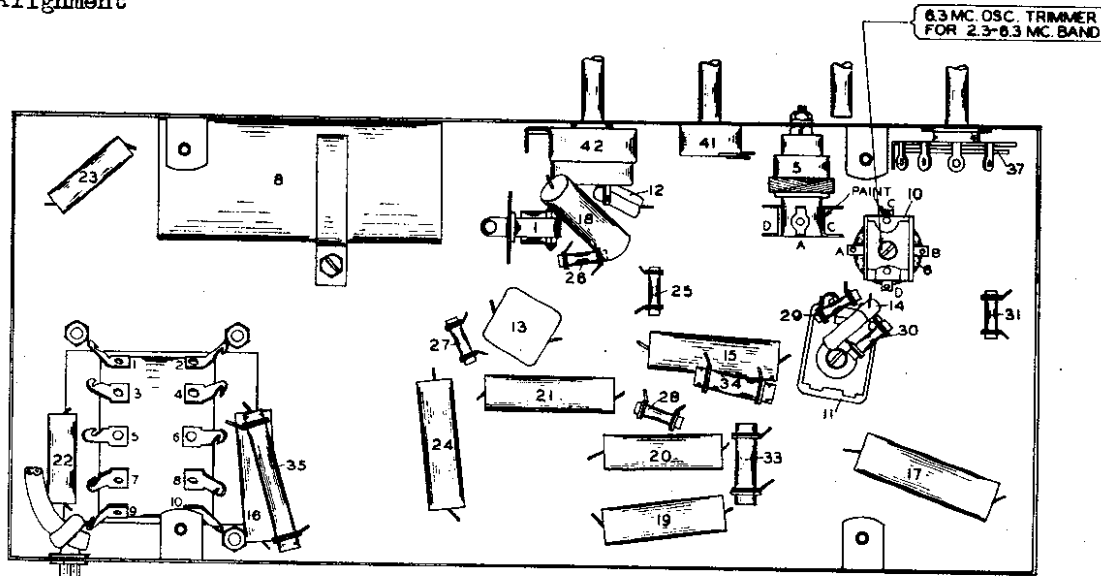
FRONT

BACK OF SOCKET

REAR VIEW (SHOWN IN B.C. POSITION)

MODEL A9741
 Chassis 72A
 Socket, Layout, Trimmers
 Alignment

ALLIED RADIO CORP.



Some of these models are equipped with a 6G5 Cathode ray visual tuning indicator tube. The parts and connections shown in dotted lines on the circuit and parts layout diagrams are used only when the 6G5 tube is incorporated in the receiver.

ALIGNMENT

- I.F.--CONNECT TEST OSCILLATOR TO 6A7 GRID CAP THROUGH A .02Mfd COND.(DO NOT REMOVE THE GRID CLIP)AND CHASSIS GROUND. TURN VOL.CONT.TO FULL ON. PEAK 2nd and 1st I.F. TRANS. TRIMMERS TO MAX.AT 465 K.C.
- R.F.--CONNECT TEST OSCILLATOR TO RECEIVER ANT.THROUGH A .00025Mfd COND AND TO CHASSIS GROUND. TURN GANG CONDENSER TO FULLY CLOSED POSITION-DIAL POINTER SHOULD BE AT 1720 LAST LINE AT LOW-FREQ. END OF DIAL CALIBRATION(SHIFT POINTER IF NECESSARY). TO SET REC. DIAL & TEST OSC. FREQ. TO 1720 K.C.--ADJUST OSC. H.F. TRIMMER TO MAXIMUM PEAK(TRIMMER IS ON TOP OF REAR SECTION OF GANG COND.). SHIFT REC.DIAL & TEST OSC. TO 1400 K.C.--ADJUST ANT. TRIMMER TO MAX.(FRONT SECT. OF GANG COND.). BAND SHIFT TO 600 K.C.**ADJUST OSC. PADDER(THROUGH HOLE IN TOP OF CHASSIS NEXT TO GANG COND.)TO MAX. PEAK WHILE ROCKING TUNING COND.
- R.F.-- SUBSTITUTE 400 ohm RES. FOR .00025Mfd COND. ABOVE. SET BAND-SELECTOR SWITCH TO S.W. S.W. POSITION--TUNE REC.DIAL & TEST OSC. TO 6.3 MEGACYCLES--ADJUST THE 6.3 MC 2.3 to TRIMMER (OSCILLATOR H.F.)TO MAXIMUM PEAK. SHIFT REC.DIAL & TEST OSC. TO THE 6.3 MC 6.0 MC POSITION--ADJUST THE 6.0 MC ANTENNA TRIMMER TO MAXIMUM PEAK .

REPEAT ALL ADJUSTMENTS SEVERAL TIMES-USING LOWEST POSSIBLE TEST OSCILLATOR OUTPUT.