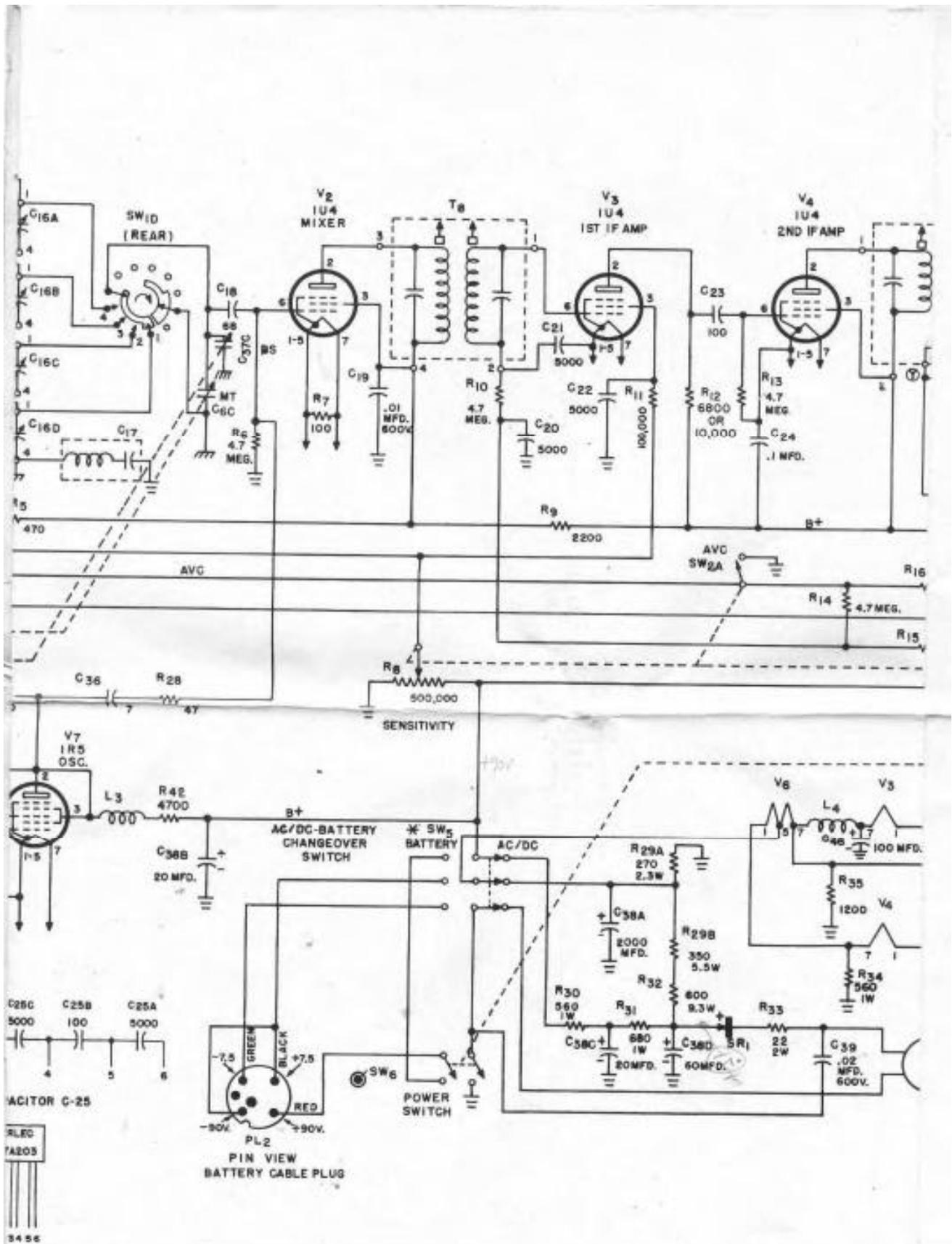


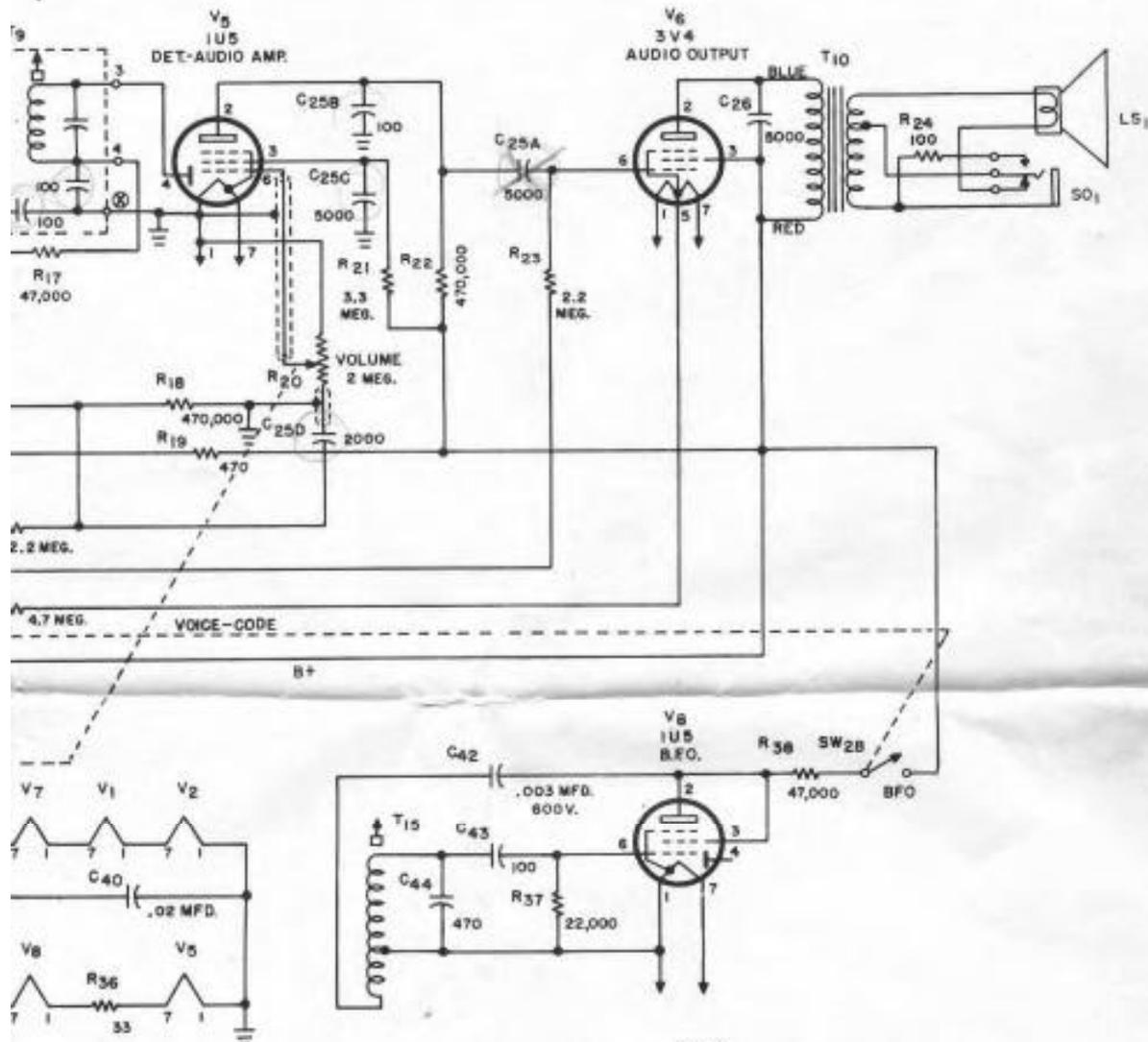
REPRESENTS TRANSFORMERS
T-1 TO T-7, T-11 TO T-14 & L-2



VALUES AND TOLERANCES SHOWN ARE NOMINAL AND VARIATIONS MAY BE FOUND. IT IS RECOMMENDED THAT THE VALUE OF ANY REPLACEMENT CORRESPOND TO THE NOMINAL VALUE OF THE PART BEING REPLACED.

MODEL S-72

RUN 4



NOTES

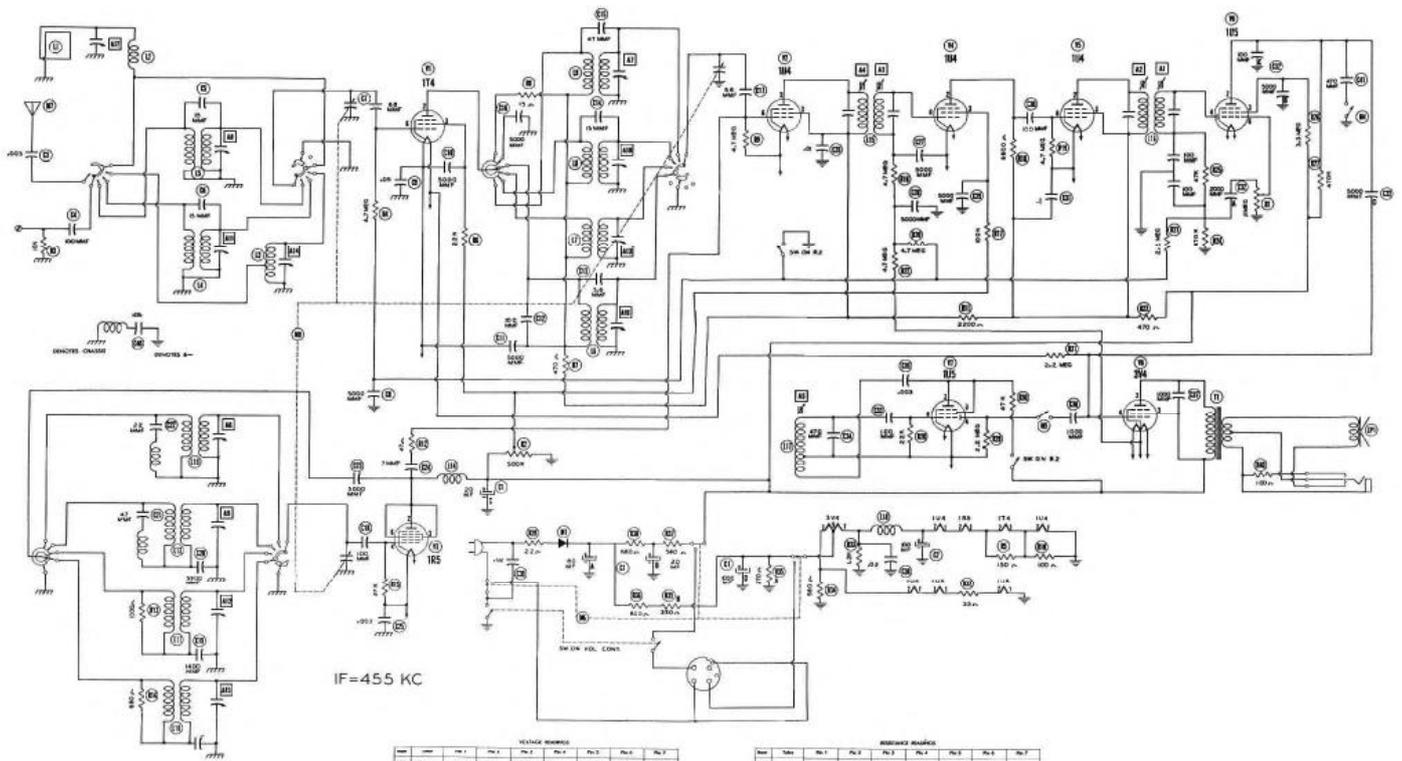
1. ALL RESISTORS ARE 1/2 WATT UNLESS OTHERWISE SPECIFIED.
2. CAPACITOR VALUES ARE IN MMF, UNLESS OTHERWISE SPECIFIED.
- ⊥ - INDICATES ELECTRICAL GROUND BUS (B-).
- ⌚ - INDICATES CHASSIS GROUND.
3. BAND SELECTOR SWITCH SW₁ SHOWN IN BAND 1 POSITION (FULLY CLOCKWISE).
4. RESISTOR VALUES ARE IN OHMS UNLESS OTHERWISE SPECIFIED.
- ⊗ OPERATION SWITCH (SW₅) SHOWN IN AC/DC POSITION. INSERTING AC POWER PLUG (PL₁) IN THE RECEPTACLE ON THE CHASSIS PLACES SWITCH SW₅ IN THE BATTERY POSITION.
- ⊙ SWITCH SW₆ GANGED WITH VOLUME CONTROL.
5. SEE FIG. 8 FOR LOCATION OF SWITCH SECTIONS OF SW₁.

105-125 VOLTS
DC OR 50-60 CYCLE AC.
PL₁

LAST CAPACITOR SYMBOL C-47
LAST RESISTOR SYMBOL R-42

808519-1

FIG. 10 SCHEMATIC DIAGRAM



IF=455 KC

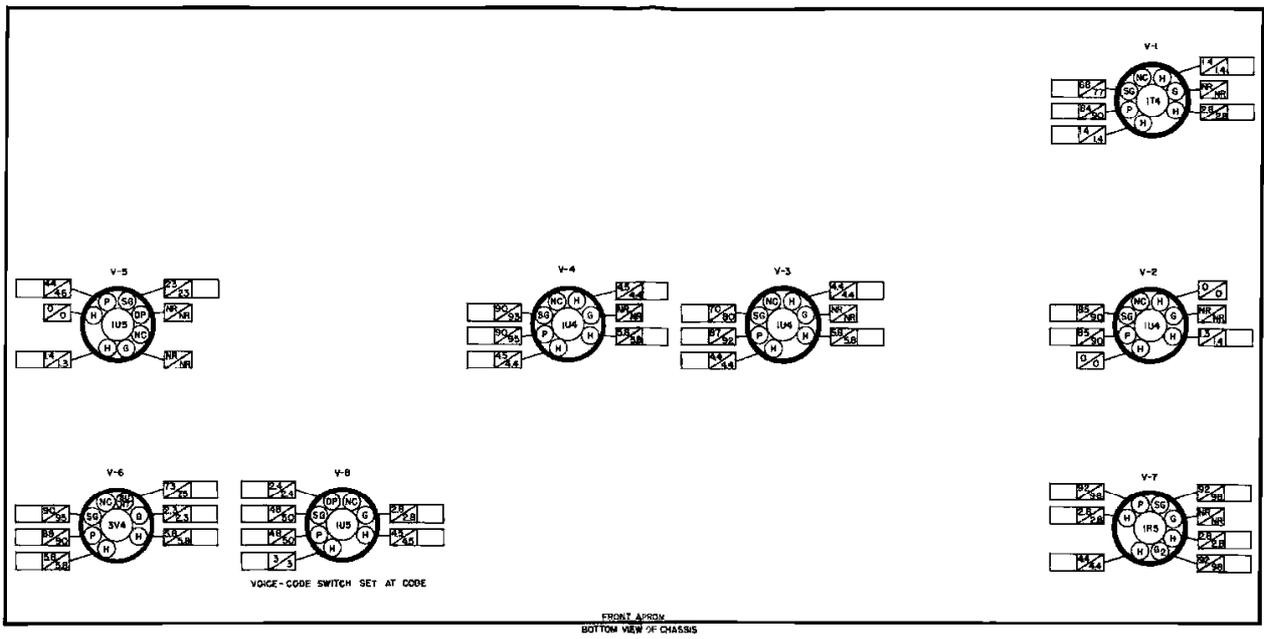
VOLTAGE READINGS							RESISTANCE READINGS									
Pin	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	
V1	12A	1.450V	75.5V	650V	0V	1.450V	1.13V	2.00V	V1	12A	14.30V	10.0V	1.0V	5.00V	+	
V2	12A	0V	75.5V	650V	0V	0V	2.11V	1.47V	V2	12A	14.3V	10.0V	1.0V	5.00V	+	
V3	12A	0.90V	107.5V	875V	0V	0V	2.40V	2.80V	0.40V	V3	12A	11.0V	11.0V	1.0V	5.00V	+
V4	12A	1.45V	107.5V	107.5V	0V	0V	4.10V	2.8V	0.80V	V4	12A	11.0V	11.0V	1.0V	5.00V	+
V5	12A	1.45V	107.5V	875V	0V	0V	4.10V	2.8V	0.80V	V5	12A	11.0V	11.0V	1.0V	5.00V	+
V6	12A	0V	41.0V	12.0V	0V	0V	0V	1.45V	V6	12A	14.3V	10.0V	1.0V	5.00V	+	
V7	12A	0V	0V	0V	0V	0V	0V	0.40V	1.45V	V7	12A	14.3V	10.0V	1.0V	5.00V	+
V8	12A	0.90V	107.5V	875V	0V	0V	2.40V	2.80V	0.40V	V8	12A	11.0V	11.0V	1.0V	5.00V	+

(EARTH WITH VACUUM TUBE VOLTMETER)

(DO NOT USE OHMMETER TO MEASURE PLATING RESISTANCE + RELAY COILS WITH IN "TEST" POSITION)

THE COOPERATION OF THE MANUFACTURER OF THIS RECEIVER MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

1. DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1,000 ohms per volt.
2. Socket connections are shown in bottom views.
3. Measured values are from socket pin to common negative.
4. Line voltage maintained at 117 volts for voltage readings.
5. Nominal tolerance on component values makes possible a variation of ± 10% in voltage and resistance readings.
6. Volume control at maximum, no signal applied for voltage measurements.



- NOTES -
1. SOCKET VIEWS ARE BOTTOM VIEWS
 2. ALL VOLTAGES ARE MEASURED BETWEEN TUBE SOCKET TERMINALS & B-, THE ELECTRICAL GROUND BUS (NOT CHASSIS) WITH ZERO SIGNAL INPUT
 3. LINE VOLTAGE - 117V AC BATTERY VOLTAGES TAKEN WITH FRESH BATTERY PACK
 4. ALL VOLTAGES SHOWN ARE DC UNLESS OTHERWISE SPECIFIED
 5. DC VOLTAGES SHOWN WERE MEASURED WITH A VACUUM TUBE VOLTMETER
 6. "NC" - NO CONNECTION
 7. "NR" - NOT READABLE (READING GENERALLY MEANINGLESS)
 8. [] SPACE PROVIDED FOR SERVICE METER READINGS
 9. [] UPPER VOLTAGE READINGS IN INDICATOR SPACE SHOW BATTERY OPERATION
 10. VOLTAGES FOR TUBE V-8, ARE SHOWN WITH VOICE-CODE SWITCH IN CODE POSITION.
 11. ALL READINGS TAKEN WITH LINE PLUG POLARIZED SO THAT GROUND BUS & CHASSIS ARE AT SAME POTENTIAL AS THE CHASSIS GROUND

920777-A

FIG. 9 TUBE SOCKET VOLTAGE CHART