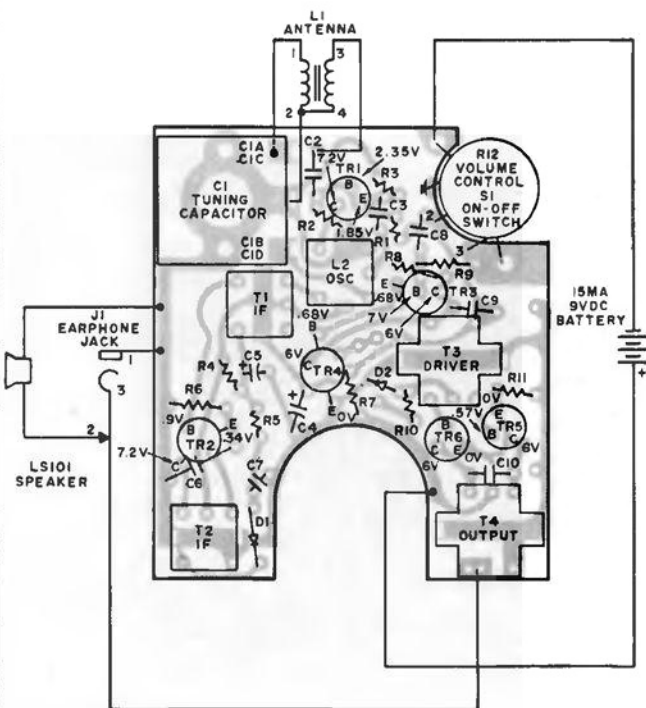


DIAGRAM FOR MODELS P1780, P1781, P1782

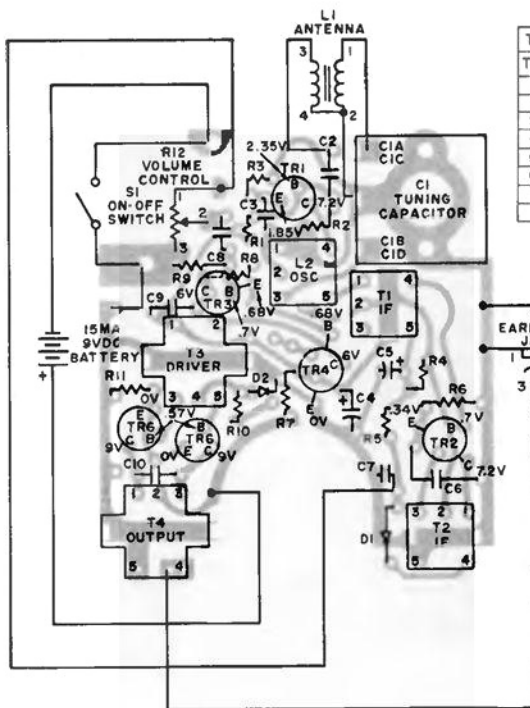
**ALIGNMENT**

- 1 SET VOLUME CONTROL AT MAXIMUM.
- 2 CONNECT OUTPUT METER OR SCOPE ACROSS SPEAKER
- 3 INDUCTIVELY COUPLE SIGNAL GENERATOR TO RECEIVER.

- STEP 4**  
ADJUST FOR MAX 1400KHZ WHILE ROCKING GANG
- STEP 5**  
ADJUST FOR MAX 580KHZ WHILE ROCKING GANG
- STEP 3**  
ADJUST FOR MAX 1630KHZ WITH GANG OPEN
- STEP 2**  
ADJUST FOR MAX 455KHZ SIGNAL
- STEP 1**  
VOLUME CONTROL



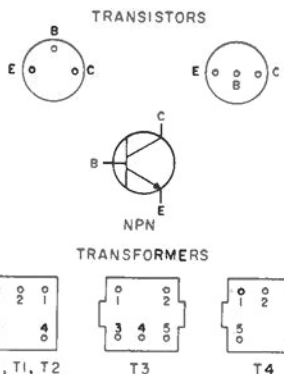
COMPONENT LAYOUT (TOP VIEW)



WIRING DIAGRAM (BOTTOM VIEW)

TRANSISTOR VOLTAGES				
TR	E	B	C	
1	1.85	2.35	7.2	
2	3.4	.9	7.2	
3	.68	.7	6.0	
4	0	.68	6.0	
5	0	.57	9.0	
6	0	.57	9.0	

BOTTOM VIEW OF COMPONENTS



NOTES

- 1 UNLESS OTHERWISE NOTED CAPACITORS LESS THAN 1 = PF CAPACITORS MORE THAN 1 = PF RESISTORS IN OHMS, K=1000 M=1,000,000
- 2 VOLTAGES ARE POSITIVE WITH RESPECT TO GROUND UNDER NO SIGNAL CONDITIONS AND VOLUME CONTROL MINIMUM.
- 3 HEAVY LINE IS SIGNAL PATH FROM ANTENNA TO SPEAKER.