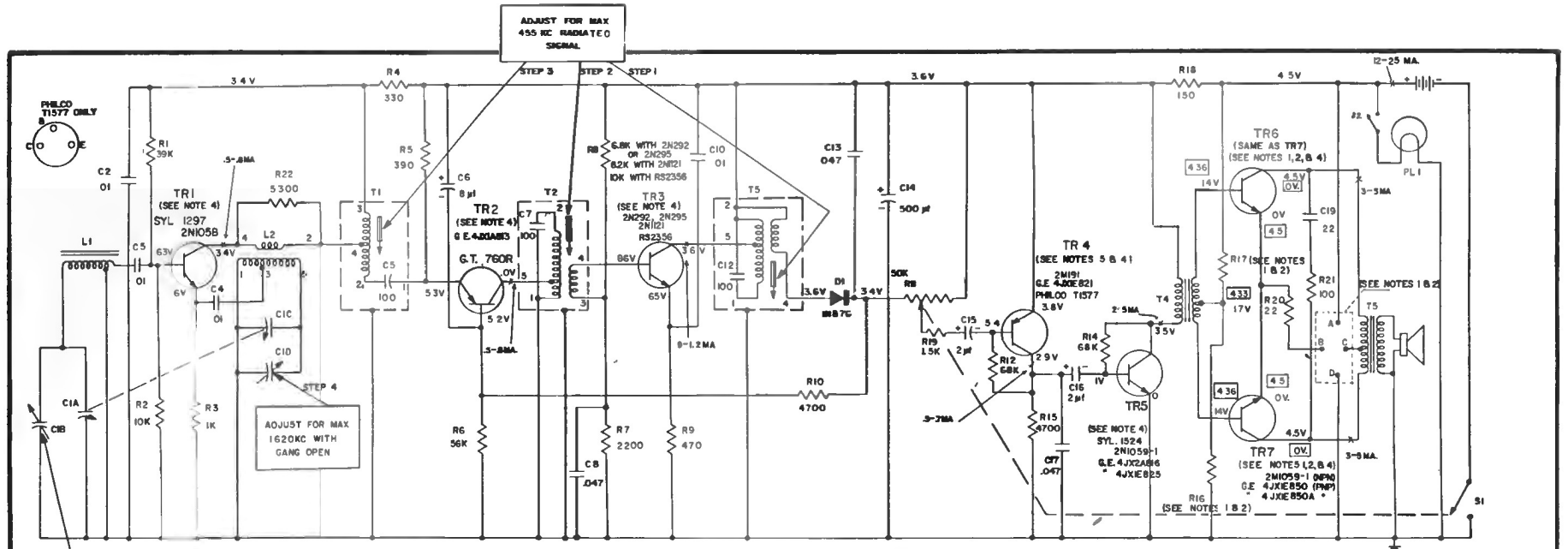
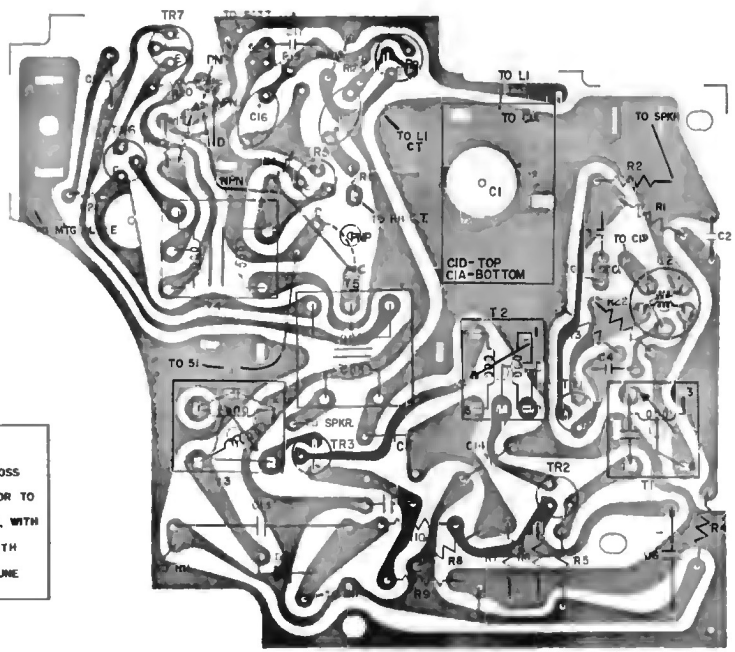


NOTES—

1. FOR NPN TR6 & TR7
   A. CONNECT A JUMPER WIRE BETWEEN POINTS B & D (SEE PHANTOM WIRING DIAGRAM)
   B. " " " " " " A & C.
   C. R16 MUST BE 50 OHMS
   D. R17 MUST BE 1K
2. FOR PNP TR6 & TR7
   A. CONNECT A JUMPER WIRE BETWEEN POINTS A & B. (SEE PHANTOM WIRING DIAGRAM)
   B. " " " " " " C & D
   C. R16 MUST BE 1K
   D. R17 MUST BE 50 OHMS
3. T1577 (PHILCO) TRANSISTOR BASE LEAD MUST BE SOLDERED INTO B2 AS SHOWN ON PHANTOM WIRING DIAGRAM. BASE LEAD OF ALL OTHER RECOMMENDED TRANSISTORS FOR TR4 MUST BE SOLDERED INTO B1.
4. REPLACE WITH TRANSISTOR TYPES SHOWN.
5. UNLESS OTHERWISE NOTED— CAPACITORS MORE THAN 1 = MMF CAPACITORS LESS THAN 1 = MF RESISTORS ARE 1/2 WATT K = 1000
6. VOLTAGES ARE POSITIVE WITH RESPECT TO GROUND UNDER NO SIGNAL CONDITIONS
7. VOLTAGES SHOWN IN ☐ ARE WITH TR6 & TR7 PNP.

ALIGNMENT

SET VOLUME CONTROL AT MAXIMUM
CONNECT OUTPUT METER OR SCOPE ACROSS VOICE COIL
INDUCTIVELY COUPLE SIGNAL GENERATOR TO RECEIVER
STEP 1 2 & 3 - SET SIG GEN AT 455 KC, WITH RECEIVER TUNING GANG OPEN
STEP 4 SET SIG GEN AT 1620 KC, WITH RECEIVER TUNING GANG OPEN
STEP 5 - SET SIG. GEN AT 1400 KC, TUNE RECEIVER TO 1400 KC



PHANTOM WIRING DIAGRAM

CAPACITORS

C1 -- Tuning Cap.
C2 -- .01mf.
C3 -- .01mf.
C4 -- .01mf.
C6 -- 8mf.
C8 -- .047mf.
C10-- .01mf.
C13-- .047mf.
C14-- 500mf.
C15-- 2mf.
C16-- 2mf.
C17-- .047mf.
C19-- .22mf.

RESISTORS

R1 -- 39K
R2 -- 10K
R3 -- 1K
R4 -- 330
R5 -- 390
R6 -- 56K
R7 -- 2.2K
R8 - 6.8K, 8.2K, or 10K
R9 -- 470
R10-- 4.7K
R11-- 50K
R12-- 68K
R13-- 4.7K
R14-- 68K
R16-- (See Notes)
R17-- (See Notes)
R18-- 150
R19-- 1.5K
R20-- 2.2 Ω
R21-- 100
R22-- 3.3K

GENERAL ELECTRIC

Radio Models T145A, T146A