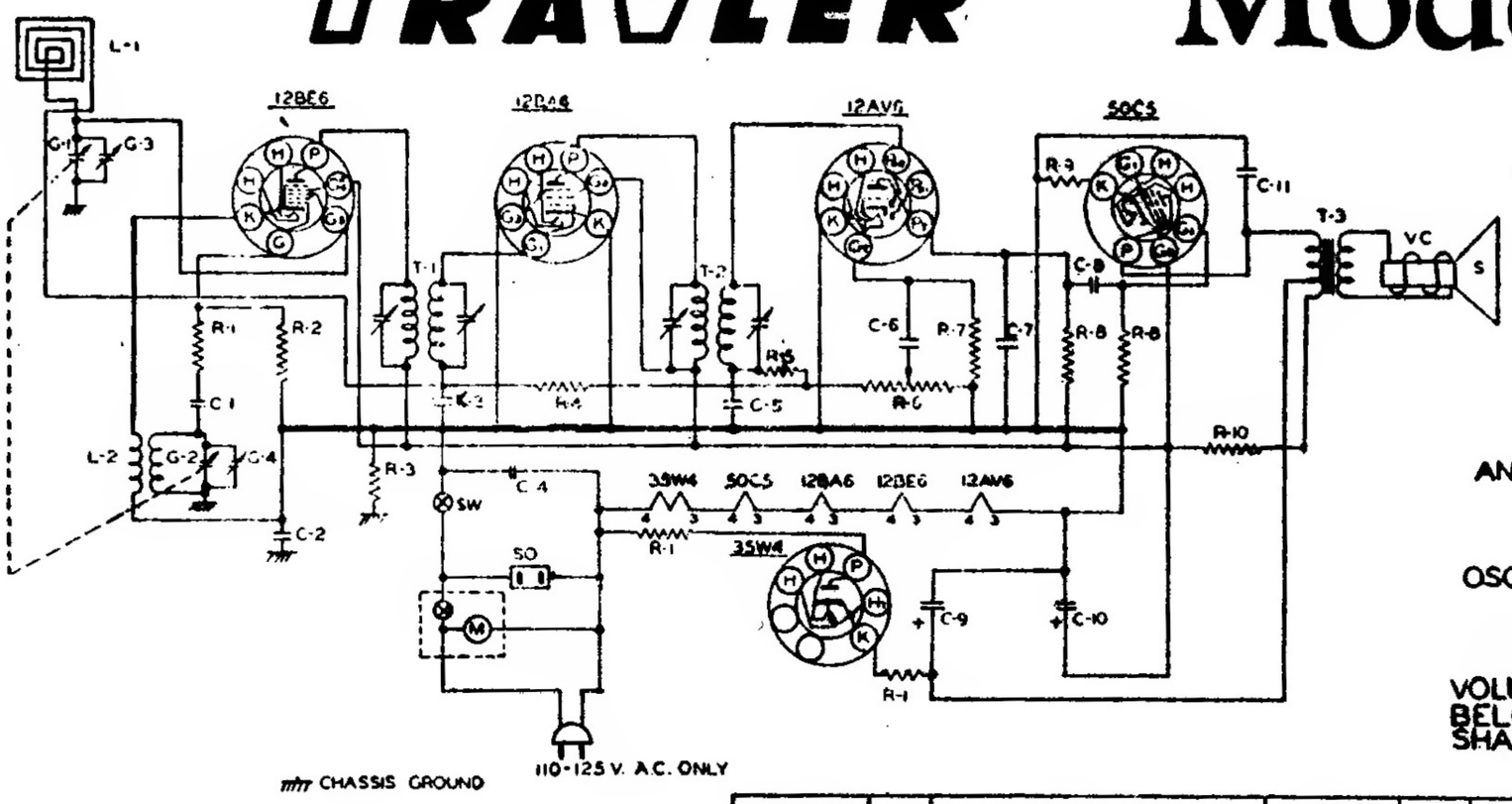
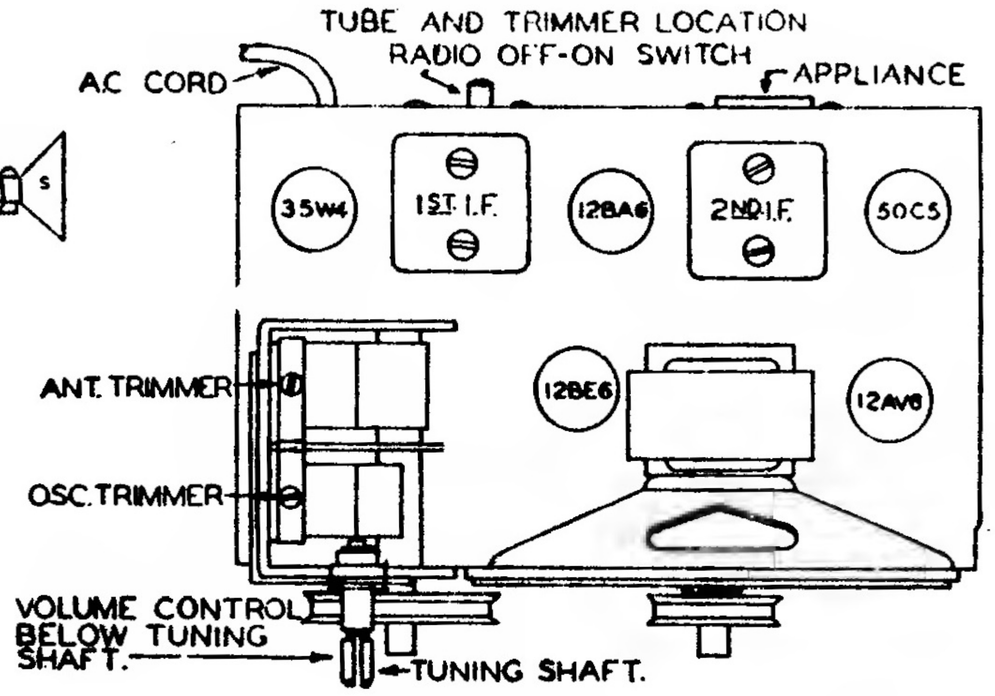
# TRAVLER Model 5170




| PART NO. | | DESCRIPTION | PART NO. | | DESCRIPTON | PART NO | | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| IR-17 | R-1 | 33 ~ RESISTOR 1/2W 20% | MC-4 | C-1 | 50MMFD MICA CONDENSER | | S | 4" P.M. SPEAKER |
| IR-9 | R-2 | 22M ~ RESISTOR 1/2W 20% | PC-8 | C-2 | .1MFD. CONDENSER 400 V. | SPK-19 | V.C. | VOICE COIL |
| IR-20 | R-3 | 220M ~ RESISTOR 1/2W 20% | PC-2 | C-3 | .05MFD CONDENSER 200 V. | | T-3 | OUTPUT TRANSFORMER |
| IR-23 | R-4 | 3.3MEG RESISTOR 1/2W 20% | PC-5 | C-4 | .05MFD CONDENSER 400 V. | LL-26 | L-1 | LOOP ANT |
| IR-10 | R-5 | 47M ~ RESISTOR 1/2W 20% | | C-5 | 220 MMFD. | LO-14 | L-2 | OSC. COIL |
| VC-37 | R-6 | 1 MEG. VOLUME CONTROL | MC-8 | C-6 | .002MFD. | CK-1 | M | ELECTRIC CLOCK |
| IR-13 | R-7 | 2.2MEG RESISTOR 1/2W. 20% | | C-7 | 220MMFD. | SO-37 | SO | APPLIANCE SOCKET |
| IR-11 | R-8 | 470M ~ RESISTOR 1/2W 20% | | C-8 | .005MFD. | SW-9 | SW | SPST. RADIO ON-OFF SWITCH |
| IR-14 | R-9 | 150 ~ RESISTOR 1/2W 20% | EC-24 | C-9 | 50 MFD. ELECTROLYTIC 150 V.D.C. | | | |
| IR-42 | R-10 | 1000 ~ RESISTOR 1 W. 10% | | C-10 | 50 MFD. | | | |
| | | | PC-10 | C-11 | .005MFD CONDENSER 400V. | | | |
| LI-6 | T-1 | INPUT I.F. TRANSFORMER | GC-5B | G-1 | TUNING CONDENSER | | | |
| LI-7 | T-2 | OUTPUT I.F. TRANSFORMER | | G-2 | | | | |

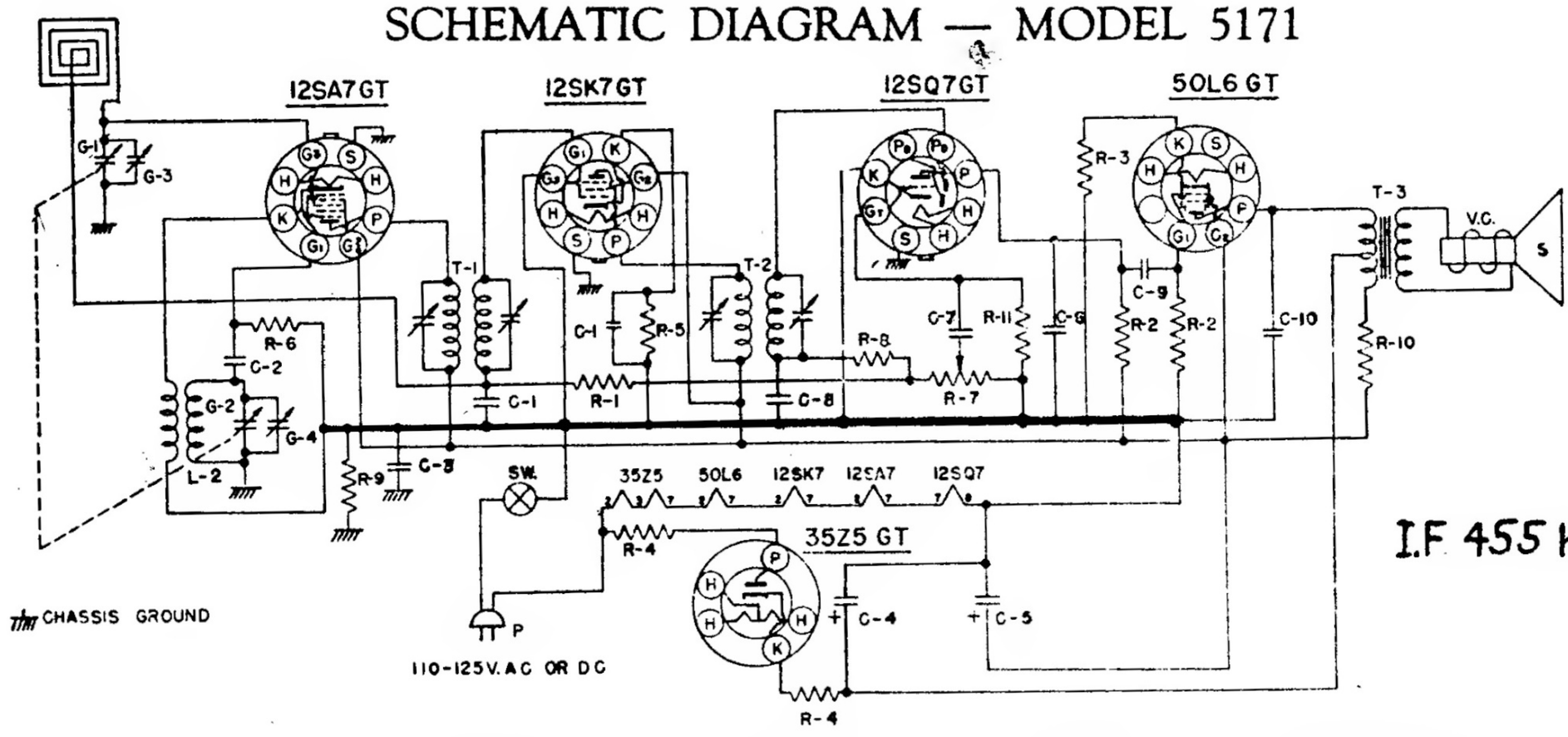
## ALIGNMENT

**FIRST STEP:** Connect the hot lead from the generator to the ANT. section of the gang condenser, through a .1 MFD condenser. The ground lead from the generator must be connected to the metal frame of the gang condenser. Turn the gang condenser to complete minimum capacity. Adjust the generator to 455KC and adjust the trimmers of the 1st and 2nd I.F. transformers until a maximum reading is noted.

**SECOND STEP:** With the leads from the generator still connected in the same manner, adjust the Signal Generator to 1650 KC. The OSC. trimmer is located on the front of the chassis between the volume and tuning controls. Adjust this trimmer until the 1650 KC signal is tuned in.

**THIRD STEP:** Remove the hot lead of the generator from the ANT section of the gang condenser. Adjust the Signal Generator to 1400 KC. Rotate the tuning control until this signal is tuned in. The ANT trimmer is located on the back of the loop antenna. Adjust this trimmer until a maximum reading is noted on the output meter. No further adjustment should be necessary, unless the set has been damaged, as the coils and condenser in this receiver have been specially handled at the factory to insure proper alignment at the lower frequencies.

## SCHEMATIC DIAGRAM — MODEL 5171




I.F. 455 KC.

| PART NO. | | DESCRIPTION | PART NO. | | DESCRIPTION | PART NO. | | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| IR-23 | R-1 | 3.3MEG. RESISTOR 1/2W 20% | | G-3 | ANT. TRIMMER CONDENSER. | LL-28 | L-1 | LOOP ANT. |
| IR-11 | R-2 | 47DM ~ RESISTOR 1/2W 20% | | G-4 | OSC. TRIMMER CONDENSER | LO-13 | L-2 | OSC. COIL. |
| IR-14 | R-3 | 15D ~ RESISTOR 1/2 W 20% | PC-2 | C-1 | .05 MFD. CONDENSER 200 V. | LI-6 | T-1 | INPUT I.F. TRANSFORMER |
| IR-17 | R-4 | 33 ~ RESISTOR 1/2 W 20% | MC-4 | C-2 | 50 MMFD. MICA CONDENSER. | LI-7 | T-2 | OUTPUT I.F. TRANSFORMER |
| IR-21 | R-5 | 33D ~ RESISTOR 1/2W 20% | PC-9 | C-3 | .1 MFD. CONDENSER 400 V. | | T-3 | SPK. OUTPUT TRANSFORMER |
| IR-9 | R-6 | 22M ~ RESISTOR 1/2W 20% | EC-24 | C-4 | 50 MFD. ELECTROLYTIC 150 V. | SPK-19 | V.C. | VOICE COIL |
| VC-38 | R-7 | 1 MEG. VOLUME CONTROL. | | C-5 | 50MFD. | | S | P.M. SPEAKER |
| IR-10 | R-6 | 47M ~ RESISTOR 1/2 W 20% | | C-6 | 220MMFD. | CO-1 | P | LINE CORD. |
| IR-20 | R-9 | 22DM ~ RESISTOR 1/2 W 20% | MC-8 | C-7 | .002MFD. | SW | SW | AC. SWITCH ON VOLUME CONTROL |
| IR-42 | R-10 | 1DDD ~ RESISTOR 1W 20% | | C-8 | 22DMMFD. HERLEC | | | |
| IR-13 | R-11 | 2.2 ME6. RESISTOR 1/2 20% | | C-9 | .005 MFD. | | | |
| GC-5B | G-1 | 6AN6 CONDENSER. | PC-10 | C-10 | .005MFD. CONDENSER 400V. | | | |
| | G-2 | | | | | | | |