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Gonset Model G14 Addendum

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This change improves transmitter efficiency. The control (R45) was installed and is factory pre set for 5 watt input to final amplifier per F.C.C.. Requirements so that all units regardless of normal component tolerances may be set for full power.

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3-16-62

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The improvements listed below have been included in this G-14 Communicator.

- Added capacitor C55, 100uuf (Gonset part no. 372-101K) from plate (Pin 7) of audio amplifier tube (V6, 6AV6) to ground, in order to improve rejection of 455KC signal at audio input.
- The receiver cystal oscillator circuit has been changed as follows:

R33 is: 6800 ohm 1 w (GPN 043-682)
was: 10 K 1 w

R32 is: 220 K $\frac{1}{2}$ w (GPN 042-224) was: 100 K $\frac{1}{2}$ w

C42 is: 15 uuf NPO (GPN 084-031)
was: 4.7 uuf

C43 is: 22 uuf NPO (GPN 084-047)

was: 30 uuf

Lll is: 6.8 uh (GPN 027-075) was: 5.9 uh

These changes were incorporated to make possible the use of crystals from any manufacturer.

3. The second converter oscillator circuit was changed as follows to improve overall stability:

Cll is: 25 uuf NPO (GPN 383-250J)
was: 100 uuf Silver Mica

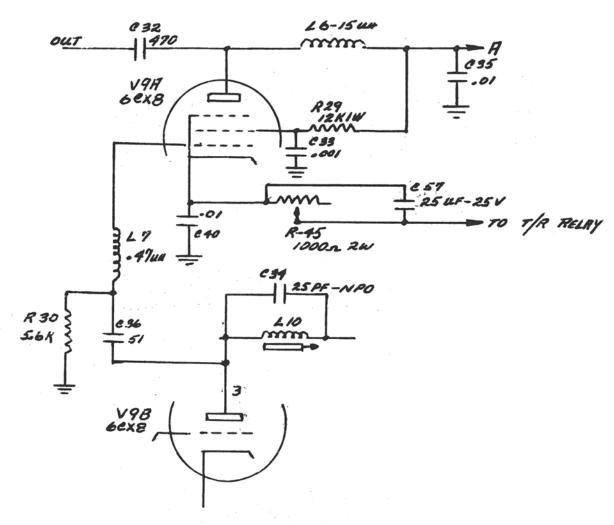
C53 is: 20 uuf N330 (GPN 084-285A) was: 22 uuf N330

added C56: 10 uuf NPO (GPN 383-100J) connected in parallel with C53 at L13.

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4. The transmitter circuit was changed per sketch below:



Parts changed:

C-34 is: 25 PF NPO (GPN 383-2505) R-29 is: 12 K 1 W (GPN 043-123) R-30 is: 5600 ohm (GPN 042-562)

Parts added:

R-45 ig: 1000 ohm 2 W Pot (GPN 051-008) C-57 is: 25 uf 25 V (GPN 073-127)