

COMMAND POST ALERTING NETWORK (COPAN)
RESIDENCE STATION APPARATUS
USED WITH SWITCHING SYSTEM NO. 306
IDENTIFICATION, INSTALLATION, AND CONNECTIONS

1. GENERAL

1.01 This section provides identification, installation, and connections for the residence telephone set circuit and the key telephone set ringup circuit (SD-1G160-01). The 529 Division provides identification, installation, and connection information for the various key telephone sets that may be used with the key telephone set ringup circuit.

1.02 These circuits terminate a 4-wire, 2-way transmission path in a telephone set and also provide for dc continuity check on both the transmit and receive loops between the residence telephone set circuit and the connecting line circuit at remote command post.

2. IDENTIFICATION

2.01 The residence telephone set circuit consists of the following (See Fig. 1).

- 596E-61, or -56 telephone set equipped with a G5RR-61, or -56 push-to-talk handset, or 596CR-61, or -56 telephone set equipped with a G3BR-61, or -56 handset
- 120C repeating coil
- 144E 9530-ohm resistor (R1)
- KS-14603, CL2 4810-ohm resistor (R2)
- 542G 4-mfd capacitor (C13)
- 542F 2-mfd capacitor (C14)

2.02 The key telephone ringup circuit consists of the following (See Fig. 2).

- 229B key telephone unit
- 251A key telephone unit
- C4A ringer
- 144E 9530-ohm resistor (R3)
- KS-14603, L2 4810-ohm resistor (R4)
- 542F 2-mfd capacitor (C15)
- 198C 0.43-mfd capacitor (C16)

2.03 The power supply voltages required for the key telephone ringup circuit are as follows.

- \pm 10Vac lamp supply
- - 24Vdc supply to operate "A" relay in 229B KTU and FW relay in key telephone set
- \pm 105Vdc audible signal supply. (P option)

3. INSTALLATION

Residence Telephone Set Circuit

3.01 Install the 596-type telephone set in accordance with Section 529-205-148. Install the 120C repeating coil, the two resistors, and the two capacitors (2.01) in apparatus box or in equipment cabinet according to local instructions.

Key Telephone Ringup Circuit

3.02 Install the components of the key telephone ringup circuit (2.02) in apparatus box or in equipment cabinet according to local instructions.

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3.03 Power supply requirements (2.03) are provided according to local instructions.

4. CONNECTIONS

4.01 Connections for the residence telephone set circuit are shown in Fig. 1. Connections for the key telephone ringup circuit are shown in Fig. 2.

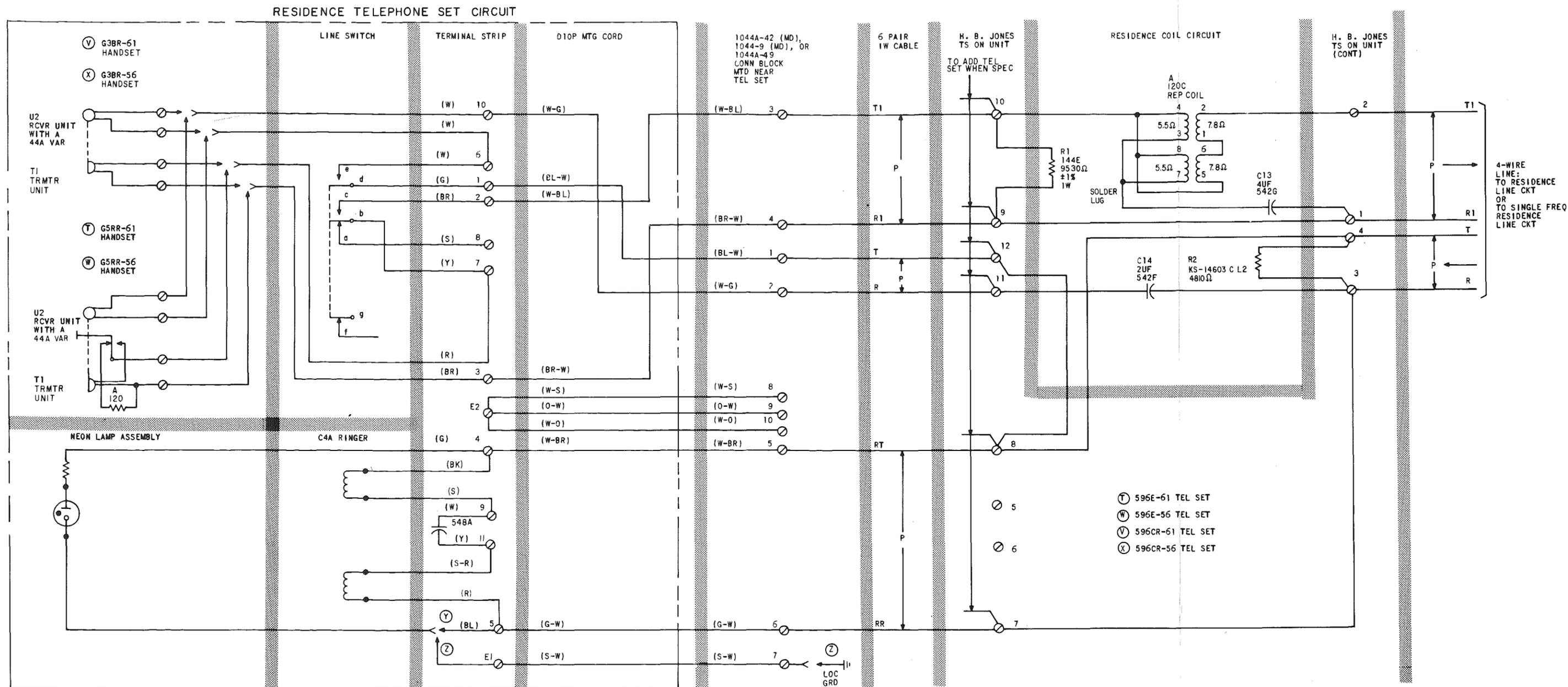


Fig. 1—596-Type Residence Telephone Set Connections

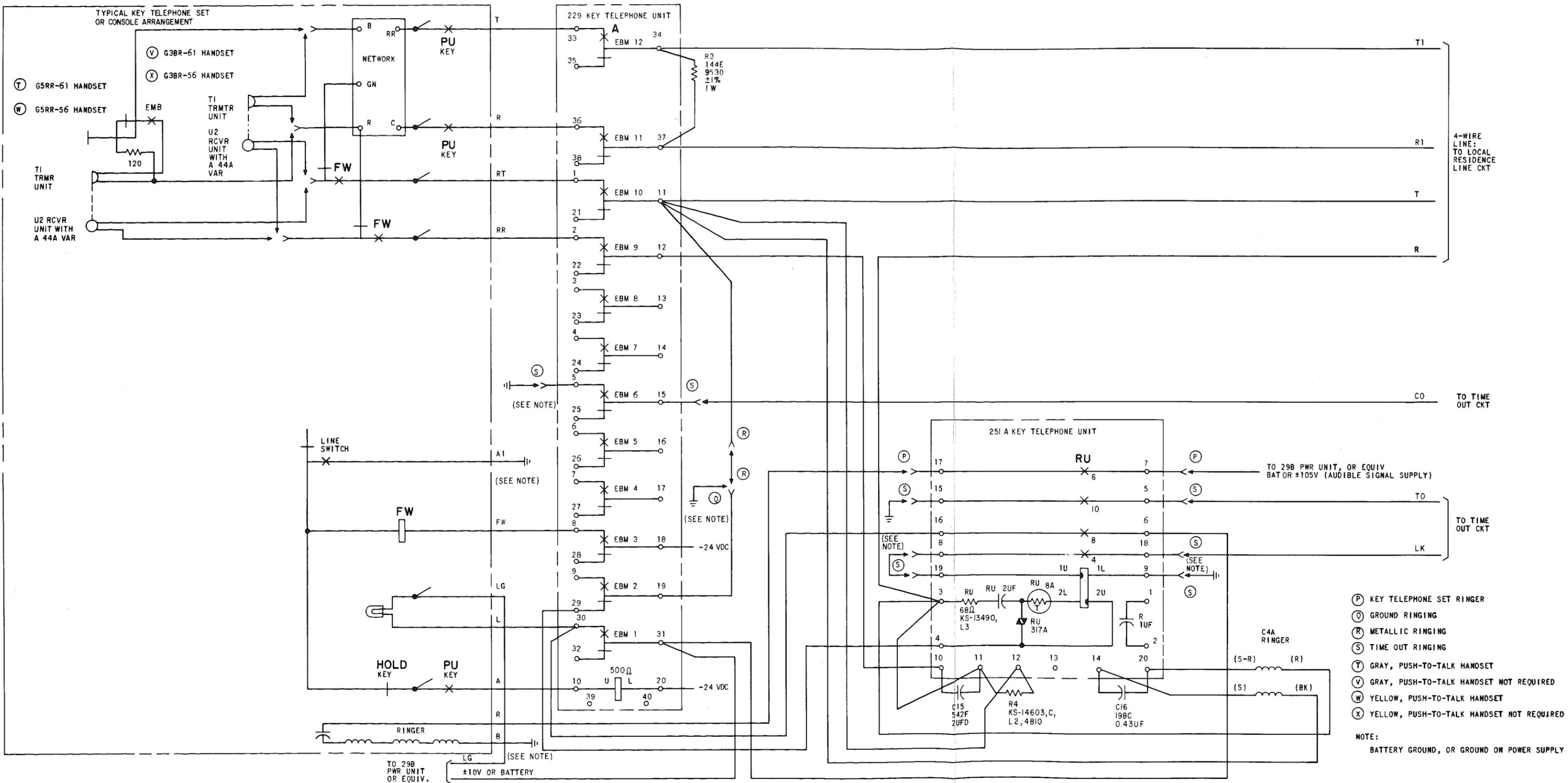


Fig. 2—Key Telephone Ring Up Circuit Connections

