

DATA SET 105C
USED ON PRIVATE SERVICE SYSTEMS
SWITCHING SYSTEM NO. 307
MAINTENANCE

1. GENERAL

- 1.01 No routine maintenance of the data set is required.
- 1.02 Routine maintenance of the teletypewriter equipment is covered in sections on 35-type teletypewriters.
- 1.03 For detailed circuit information refer to:
- Attendant circuit for M35 ASR TTY equipped with data set 105C, CD- and SD-3D018-01
 - 4-wire CO line circuit with E and M lead signaling, CD- and SD-69506-01
 - Dual access switch circuit, CD- and SD-69509-01
 - Station data set 105C circuit, CD- and SD-3D017-01
- 1.04 Trouble clearing activity on the data set and control functions will normally be under direction of a local test center.
- 1.05 When data set or associated control functions are suspected of being in trouble they should be tested as outlined in Section 591-020-500. If equipment meets requirements and trouble still exists, refer to test center for further analysis and instruction.

2. MAINTENANCE

- 2.01 Data set 105C uses eight electronic plug-in units. The units are as follows.
- J1D105AA, Logic
 - J1D105AB, Timer
 - J1D105AD, Modulator
 - J1D105AE, Filter

- J1D105AF, Demodulator
 - J1D105AH, Restrainer (No dial tone detection, option "Y")
 - A554450 Regenerator
 - A554451 4-wire logic
- 2.02 Data set 105C contains its own power supply, either:
- J87240A (SD-81625-01) which provides +20 and -20 volts dc, 0.6 amp, or
 - J87240B (SD-81640-01) which provides +20 and -20 volts dc, 0.525 amp
- 2.03 Replaceable items associated with the attendant equipment are as follows.
- (KEY 589AM, LAMPS 51A) (VOICE, DATA, OFF, ANS, LOCAL, OUT OF SERVICE)
 - TRANSMISSION INTERRUPT AND RESTORE KEY lamp - 51A
 - LOOP BACK KEY lamp - Chicago Min Lamp Co, CM8-697
 - WAIT lamp - Dial CO or GE Type 330
 - PRE-EMPT lamp-Dial CO or Type 330
 - LOUDSPEAKER - KS-16107, List 1 or List 2
 - RINGER - C4A
 - TOUCH-TONE DIAL - 22C3
 - HANDSET - G3AR-61

3. TELETYPEWRITER AND LINE CIRCUIT TROUBLES

- 3.01 To clear troubles located outside of the attendant circuit and the data set 105C, refer to sections covering these circuits.