CALENDAR AND CLOCK CIRCUIT SD-68591-01

CLOCK SETTING

COMMON SYSTEMS

1. GENERAL

1.01 This section covers the procedures for the setting of the calendar and clock circuit, SD-68591-01. This circuit supplies the date and time of day information to the test control and recording circuit (TCR) or the automatically directed outgoing intertoll trunk test circuit (ADOIT). The TCR provides date and time on intertoll test recordings.

1.02 This section is reissued for the following reasons:

- Include information previously covered in Section 212-339-301, Issue 1, which is cancelled and to revise the section title accordingly.

- Make reference to optional operation of calendar and clock circuit used with No. 5 crossbar trouble recorder control and test circuit.

- Update Table A.

1.03 On an optional basis the calendar and clock circuit also supplies time and day information to the 4A or 4M toll decoder-marker test and trouble recorder circuit, crossbar tandem trouble recorder, No. 5 crossbar trouble recorder, and the automatically directed outgoing trunk (ADOT) test frame. The auxiliary recording control circuit, which may be associated with the trouble recorder circuit, will also use the time and day information for an auxiliary recording.

1.04 The setting of the calendar and clock circuit should be made shortly after the hour change. It is important that all of the procedures in this section for setting the calendar and clock circuit be completed before the hour.

1.05 Each year when daylight saving time is to go into effect, the calendar and clock circuit must be updated. On the day and approximately 20 minutes before the hour, the procedure under *Hours* in 2.02 must be used to update the calendar and clock circuit. The same procedure is also used when reverting back to standard time.

2. METHOD

2.01 The minutes, hours, and days counters can be set independently. This feature allows for easy correction or change to or from daylight saving time. When it is necessary to set the entire clock, the larger intervals should be set first and progressively work toward setting of the minutes counter.

2.02 The following procedures describe the necessary procedure for the setting of each time interval.

(a) First operate ACO key.

Years

(a) Manually operate the proper combination of Y- relays per Table A.

Months

(a) While holding the months (MO) key operated, momentarily operate the clear months (CLM) key. The January (JAN) relay will operate.

(b) If the month desired is other than January, hold the MO key operated and operate the months step (MOS) key momentarily to step the months counter to the desired month. Each operation of the MOS key will step the counter one month.

TABLE A

Y – RELAY COMBINATIONS

FOR YEAR 19	DURING MONTH OF	Y–RELAYS OPERATED			
		Y1	Y2	Y3	Y4
72, 76, 80,	JAN		X		X
84, 88, 92, ETC.	FEB – DEC				
73, 77, 81,	JAN	X			
85, 89, 93, ETC.	FEB – DEC	X	X		
74, 78, 82,	JAN		X	X	
86, 90, 94, ETC.	FEB – DEC			X	X
75, 79, 83,	JAN	X		X	X
87, 91, 95, ETC.	FEB – DEC	X	X		X

Note 1: (X) denotes an operated relay.

Note 2: The relay combinations repeat every four years.

Note: When operating the MOS key, each operation of the months relays [January (JAN) through December (DEC)] must be watched and counted to the relay corresponding to the month desired since no other visual indication is provided.

Days

(a) Operate the TENS and UNITS switches to the number of the day desired.

(b) Operate and hold the DAY key.

(c) Momentarily operate the clear (CLR) key. This clears the days counter.

(d) Momentarily operate the SET key. This sets the days counter to the tens and units number to which the TENS and UNITS switches are set.

(e) Release the DAY key.

(f) Operate the TENS and UNITS switches to the OFF positions.

Hours

(a) Operate the TENS and UNITS switches to the number of the hour desired.

(b) Operate and hold the HOUR key.

(c) Momentarily operate the CLR key. This clears the hours counter.

(d) Momentarily operate the SET key. This sets the hours counter to the tens and units number to which the TENS and UNITS switches are set.

(e) Release the HOUR key.

(f) Operate the TENS and UNITS switches to the OFF positions.

Minutes

(a) Operate the TENS and UNITS switches to the number of the minute desired.

(b) Operate and hold the minutes (MIN) key.

(c) Momentarily operate the CLR key. This clears the minutes counter.

(d) Momentarily operate the SET key. This sets the minutes counter to the tens and units number to which the TENS and UNITS switches are set.

(e) Release the MIN key.

(f) Operate the TENS and UNITS switches to the OFF position.

2.03 Upon completion of setting the calendar and clock circuit, restore ACO key.