SWITCH UNIT
SERVICE OPTIONS
METHOD OF PROVIDING
NO. 101 ELECTRONIC SWITCHING SYSTEM

1. GENERAL

1.01 This section covers service options that must be provided at the switch unit at the time of installation.

2. APPARATUS

2.01 The options covered by this section are made by means of RM672292 jumper clips (MALCO 3610346). A 734A tool is used to aid in installing the jumper clips. First the jumper clip is slipped on the two pins at one end of the tool. These pins hold the clutches of the clip open so the clip can be started on the terminals. Next the tool and clip are aligned with the terminals on which the clip is to be placed so that the clip is started on the terminals. Then the clip is slipped off the tool and onto the terminals. The other end of the tool is formed to aid in removing clips.

> ***Caution: When a jumper clip is installed, the plating characteristics and spring pressure are changed. Therefore, no attempt should be made to reuse a jumper clip.***

3. METHOD

3.01 *Data Links:* Table A shows options which must be applied for data link cable facilities. Reference SD-1H021-01.

Note: The application of option X or Y must be coordinated with the application of the options at the control unit (SD-1H054-01) which are also appropriate for the cable facilities provided.

3.02 *Bus Clamp:* The bus clamp circuit is affected by the number of the line circuits served by the switch unit. For switch units with 50 to 125 lines, switch S1 on the bus clamps (CP233) at locations 30D7 in bay 3 and 30A16 in bay 4 are to be closed to add capacitance to the bus circuit. For switch units with 126 to 200 line circuits, no added capacitance is needed and these switches are to be open. Reference SD-1H010-01.

3.03 *Calls Waiting Circuit:* The calls waiting circuit can be arranged to give an audible signal in addition to the visual indication of the CW (calls waiting) lamp by the application of option X. Reference SD-1H014-01 issue 3A or later. Jumper clips for option X are placed as follows:

(a) For attendant No. 1, place clip on terminal block of bay 1, tray 21, between terminals G14 and G15.

(b) For attendant No. 2, place clip on terminal block of bay 1, tray 13, between terminals G14 and G15.

(c) For attendant No. 3, place clip on terminal block of bay 1, tray 5, between terminals G14 and G15.

TABLE A

DATA LINK WIRING OPTIONS

X Option — For nonloaded facilities (225 ohm)
Y Option — For loaded facilities (900 ohm)
Z Option — Where dc resistance of data trunk pair exceeds 1000 ohms

X			Y			Z		
PLACE JUMPER CLIP ON TERMINAL BLOCK			PLACE JUMPER CLIP ON TERMINAL BLOCK			PLACE JUMPER CLIP ON TERMINAL BLOCK		
BAY	TRAY	BETWEEN TERMINALS	BAY	TRAY	BETWEEN TERMINALS	BAY	TRAY	BETWEEN TERMINALS
1	29	C2 & C3 C5 & C6 C9 & C10 C12 & C13	1	29	C3 & C4 C6 & C7 C10 & C11 C13 & C14	2	17	G12 & G13 H12 & H13
2	17	A11 & A12 B11 & B12 C11 & C12 D11 & D12 E11 & E12 F11 & F12	2	17	A12 & A13 B12 & B13 C12 & C13 D12 & D13 E12 & E13 F12 & F13			
2	29	F2 & F3 F5 & F6 F9 & F10 F12 & F13	2	29	F3 & F4 F6 & F7 F10 & F11 F13 & F14			