

J99343GA-1, L1 LOOP START ONLY/2 WIRE (LSO/2W) TRANSMISSION UNIT

DATA SHEET

METALLIC FACILITY TERMINAL

The J99343GA-1, L1 is a Loop-Start Only/2-Wire Transmission Unit that combines the functions of the MFT passive 2-wire transmission unit (J99343BC) and the signaling functions of the loop signaling repeater, loop-start only (J99343AD) in a single unit. It is intended for customer premises only and will function in either a single-module frame or in the transmission slot of a double-module frame. In addition to the normal LSR functions, it has new ringing features. In the normal mode (LSN) the distinctive ringing of the DIMENSION® PBX is repro-

duced. In the special mode (LSS) the short distinctive ringing pulses of the DIMENSION PBX are stretched to about 1.2 seconds. These stretched ringing pulses are transmitted by analog and digital carrier signaling conversion units and other dial units which are incompatible with distinctive ringing. For a detailed description of this unit, see Section 332-912-152, CD-7C050-01, and SD-7C050-01 (CPS 1). A block diagram is shown in Fig. 1 and switch locations are shown in Fig. 2.

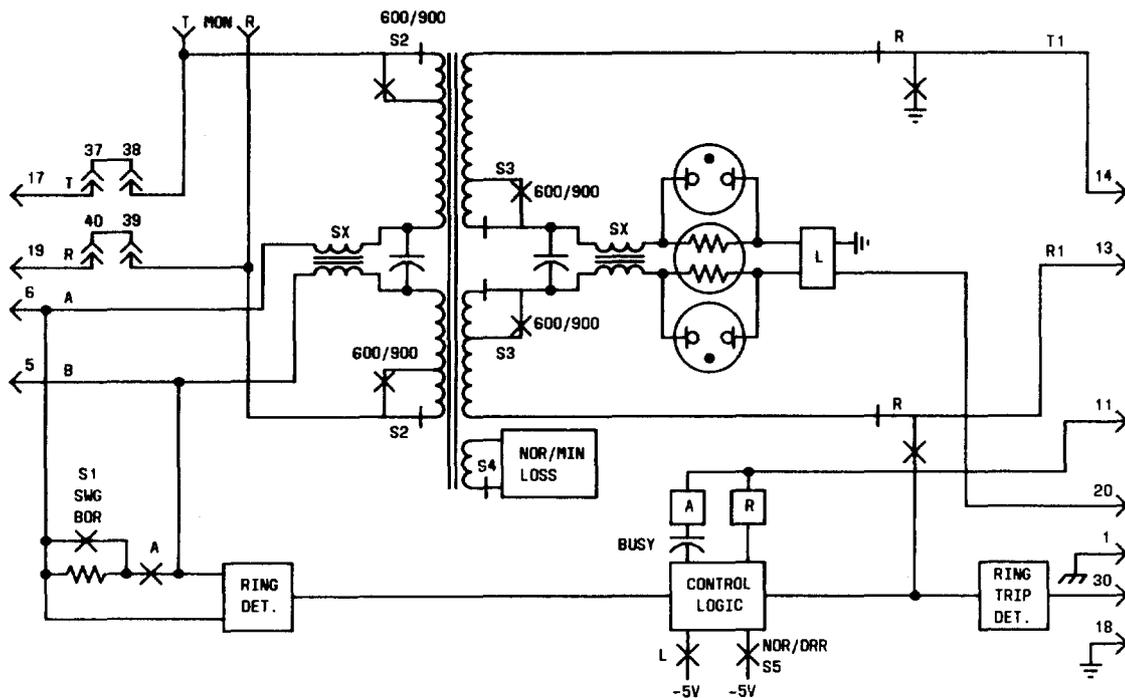


Fig. 1—J99343GA-1, L1 Block Diagram

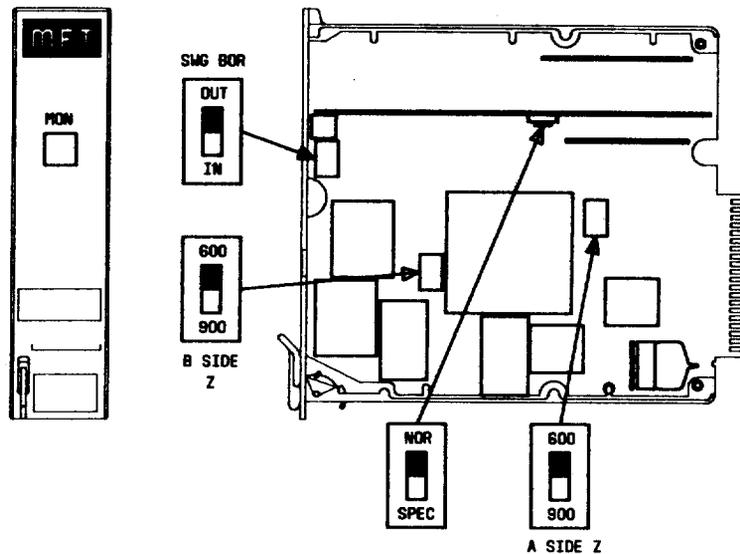


Fig. 2—J99343GA-1, L1 Component Layout

A-SIDE Z and **B-SIDE Z**: The A-side T and R leads and the B-side T1 and R1 leads are separately connected to a coupling transformer and may be individually set for either 600 or 900 ohms. The switch designations are marked on the circuit board.

SWG BOR: This switch inserts or shunts a 511-ohm BOR (build-out resistor) on the A side to limit loop

current on short loops. The resistor is inserted when the switch is operated to the IN position, shunted when in the OUT position.

NOR/SPEC: When in the NOR position, this switch selects the LSN (loop-start normal) mode. When in the SPEC position, the switch selects the LSS (loop-start special) mode.