ADDRESSABLE DATA BRIDGE AND

CONTROL CIRCUIT SD-1G245-01

DESCRIPTION

1. GENERAL

1.001 This addendum supplements Section 314-550-101, Issue 1.

1.002 The addendum is issued to reflect a change of components on circuit pack B-20. The changes cause the new CP to function with a slower response time, thereby reducing the probability of false operation of the 460-Hz detector when impulse noise is present on the input leg.

The following changes apply to Part 1 of the section:

(a) 1.06—revised

(b) Fig. 2—revised.

1.06 The input port sends data simultaneously to all four output ports, but the output ports are arranged on an exclusive OR basis. Only the DC or NCC in control of the bridge can transmit data back to the input port through the data bridge. Each DC or NCC is capable of seizing control of the bridge. The centers not in control of the bridge will send a 390-Hz continuity tone to the bridge and receive data plus 390-Hz tone from the bridge while the center in control sends 390-Hz and receives 460-Hz tone. When a center is to seize control of the bridge, the dial restoration panel (DRP) attendant momentarily operates the control (CONT) key for an individual circuit, a group control (GROUP CONT) key for a maximum of 15 circuits, or a MASTER CONTROL key for all data circuits, except BOMARC and crosstell, at that center. The 390-Hz tone being transmitted toward the bridge will be interrupted by two ▶100-msec tones of 460 Hz (double wink).◀ The bridge recognizes which port transmitted the double wink signal and switches control of the bridge to that port. The control center, after obtaining control of the bridge, will receive 460 Hz plus data from the bridge. The 460-Hz tone from the bridge indicates to that control center, via a lamp indication, that it may now transmit data back to the remote site.

Fig. 2—50 MS ±10 should be designated 100 MS ±20%.

2. IDENTIFICATION

The following change applies to Part 2 of the section:

(a) Fig. 1—revised

Fig. 1—B-20 circuit pack should be designated B-25.