8- TO 5-LEVEL UNIVERSAL STATION CONVERTERS

SPECIAL ADJUSTMENTS

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1. GENERAL

1.01 This section contains special adjustments for the 8- to 5-Level Universal Station Converters. Standard adjustments appear in the appropriate sections covering the individual components.

1.02 The following adjustment information outlines pulse length requirements for the auxiliary contacts on the multimagnet nontyping reperforator. To strobe the contact assemblies, use a Teletypewriter Test Set or Stroboscopic Test Set. For a detailed description of each test set as well as for operating methods, see the appropriate sections. In all cases both the test set and the unit under test must be operating at the same speed for proper strobing

1.03 Perform strobing tests only after completely adjusting the spring tensions and contact gaps for the auxiliary contact assembly. See the appropriate section covering the adjustments of the multimagnet nontyping reperforator. For all strobing tests, a neon trace of light must be observed along the circumference of the rotating disc. The trace of light indicates the beginning, duration, and end of contacts closure and/or opening, and is thereby used to measure the pulse length.

Prepared for American Telephone and Telegraph Company by Teletype Corporation

2.01 Auxiliary Contacts

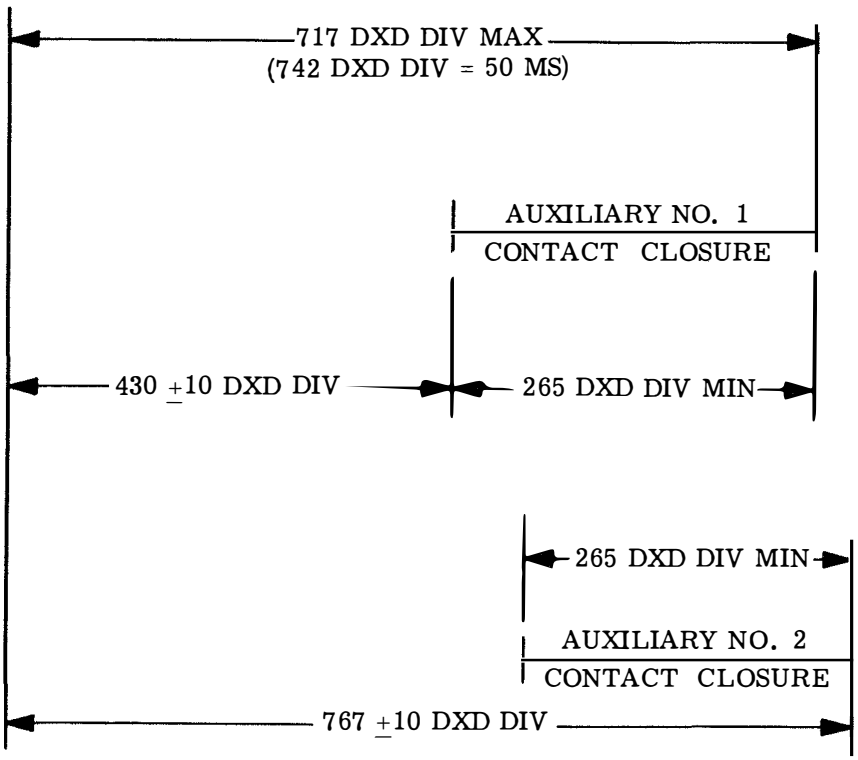
AUXILIARY NO. 1 CONTACT ASSEMBLY

Requirement

Auxiliary no. 1 contact pulse shall have a minimum length of 265 divisions (see Figure 1). Start of contact closure shall occur no earlier than 420 divisions nor later than 440 divisions after the clutch magnet armature is tripped. Auxiliary no. 1 contact shall be open when the clutch is in the stop position and latched. There shall not be more than one division break in the signal within five divisions of the start or end of signal pulse.

To Adjust

Rotate cam with the no. 1 contact cam setscrews loosened to meet requirements. Tighten screws. Recheck timing requirement. If timing requirements cannot be met, readjust contact assembly. See appropriate section.



Note: Energize clutch magnet through 250 ohm +5% resistor from 48 volt ±10% dc source. Use 7.42 unit 1200 opm (2 cycle) DXD scale. DXD speed 600 opm.

Figure 1 - Auxiliary No. 1 and No. 2 Contact Timing Diagram

2.02 Auxiliary Contacts (continued)

AUXILIARY NO. 2 CONTACT ASSEMBLY

Requirement

Auxiliary no. 2 contact pulse shall have a minimum length of 265 divisions (see Figure 1). End of contact closure shall occur no later than 777 divisions nor earlier than 757 divisions after the clutch magnet armature is tripped. There shall be no more than one division break in the signal within five divisions of the start or end of signal pulse.

To Adjust

Loosen no. 2 contact cam setscrews and rotate cam to meet requirements. If timing requirements cannot be met, readjust contact assembly. See appropriate section.