

**DATA SET 108A- OR C-TYPE SINGLE PRIVATE LINE STATION  
USING DATA AUXILIARY SET 820D-L1 OR 820D-L1A  
IN 10-TYPE DATA LINE CONCENTRATOR SYSTEM (DLCS)  
MAINTENANCE**

**1. GENERAL**

**1.01** This section describes the procedures to be followed when replacing a Data Set 108A- or C-type, AR430 circuit pack ( hereafter referred to in this section as AR430 CP), or Data Auxiliary Set (DAS) 820D-L1 or 820D-L1A in a Data Set 108A- or C-type single private line (PL) data station associated with the 10-type Data Line Concentrator System (DLCS).

**1.02** This section is reissued to:

- (a) Include information pertaining to the DAS 820D-L1 which is used with the customer-provided terminal (CPT).
- (b) Include information pertaining to the use of a 6041H key to provide key control of transmit supervision, a remote TEST key/lamp, and/or a visual indication for the camp-on signal.
- (c) Remove all reference to the acronym DATREX.

**1.03** The station consists of a Data Set 108A- or C-type, an AR430 CP, a DAS 820D-L1 or 820D-L1A, and a model 33- or 35-type teletypewriter (TTY) or CPT. No routine maintenance is required for the data set, CP, CPT, or DAS. Routine maintenance of the TTY should be performed in accordance with the appropriate 579 Division Bell System Practice.

**1.04** Preoperative test and adjustments for replacement sets should be made in accordance with the procedures outlined in the section entitled Data Set 108A- or C-Type Single Private Line Station Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10 Type Data Line Concentrator System (DLCS)—Installation (591-023-210).

**2. REPLACEMENT PROCEDURES**

**Warning:** Power should be removed from the station prior to performing any of the following procedures.

**Data Set 108A- or C-Type and AR430 CP Removal and Replacement**

**2.01 Removal:**

- (1) At TTY stations, remove rear panel or front cover of TTY pedestal as follows.
  - (a) **Model 33-Type TTY:** Remove two screws from top rear of TTY pedestal. Pull rear panel out and up to disengage panel flange from pedestal.
  - (b) **Model 35-Type TTY:** Remove chad container by sliding it to the left, raising right side, and then sliding it to the right. Operate the two pushbutton fasteners located at the top of the front cover on the TTY pedestal. Depress the spring clip underneath the TTY keyboard, pivot the cover to the floor, disengage the cover from the pivot screws, and remove it from the pedestal.
- (2) At CPT stations, loosen but do not remove the four cover retaining screws (see Fig. 1) and carefully lift up to remove the DAS cover.
- (3) Remove locking strip (if provided) by loosening the two screws and sliding it to the left. Disengage the locking strip from the screws and then slide it to the right to remove it from the apparatus mounting.
- (4) Grasp extracting handle on faceplate of data set or circuit pack to be removed and pull straight forward.

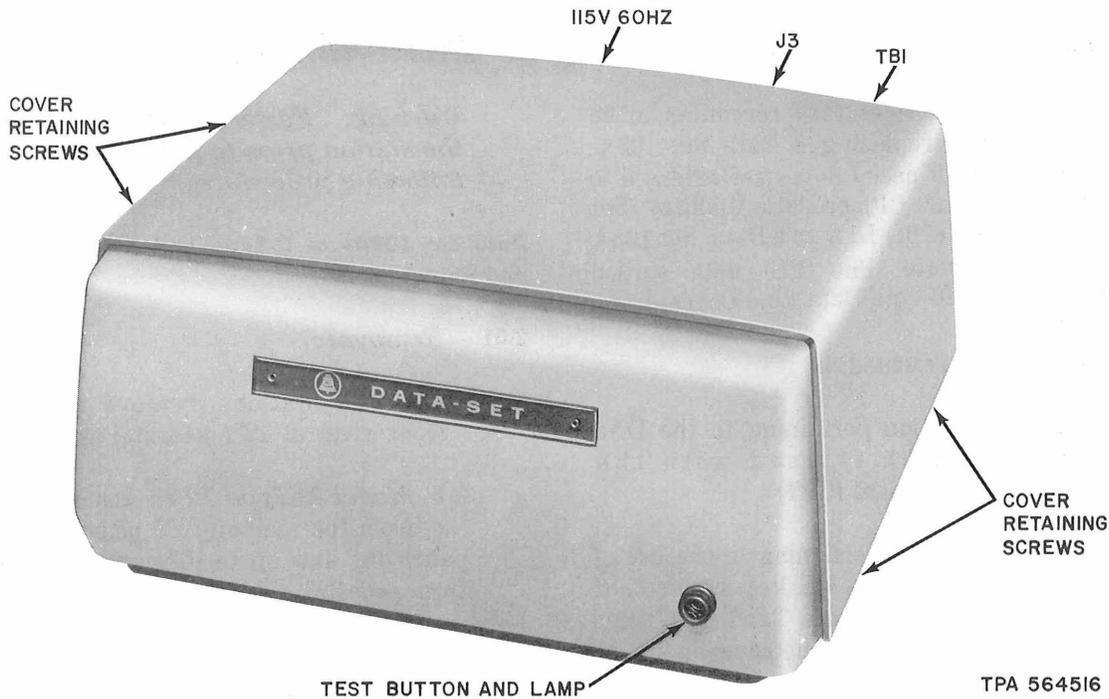


Fig. 1—Data Auxiliary Set 820D-L1

**2.02 Replacement:**



*When Data Set 108A- or C-type or AR430 circuit pack is being replaced, verify that the proper options are installed in the replacement data set or circuit pack before installing it in the DAS.*

- (1) Position the replacement data set or circuit pack in the proper slot and firmly push it back into the locking position.

**Note:** Data Set 108A- or C-type and AR430 CP are keyed to prevent positioning in the wrong slot.

- (2) Replace locking strip, if provided, by reversing the procedure of 2.01 (1).

- (3) ♦ At TTY stations, replace rear panel or front cover of TTY pedestal by reversing the procedure outlined in 2.01 (a) or (b) and connect TTY power cord to a 117-volt, 60-Hz outlet.

- (4) At CPT stations, replace DAS cover by reversing the procedure outlined in 2.01 (2) and connect the KS-14532-L16 cord to a 117-volt, 60-Hz outlet.♦

**DAS 820D-L1A Removal and Replacement**

**2.03 Removal:**

- (1) ♦ At TTY stations perform 2.01 (1).
- (2) At CPT stations, perform 2.01 (2).♦

- (3) At TTY stations, disconnect the M3AY cord from DAS 820D-L1A.
- (4) At CPT stations, disconnect KS-14532-L16 cord from DAS 820D-L1.
- (5) Disconnect the TTY or CPT interface cable.
- (6) Disconnect tip and ring of the transmission facility from TB1-1 and TB1-2, respectively.
- (7) If a remote TEST switch is provided as a locally engineered option, disconnect it from TB1-5 and TB1-6.
- (8) If a remote TEST lamp is provided as a locally engineered option, disconnect it from TB1-11 and TB1-12.
- (9) If a 6041H key is provided, disconnect it from TB1-5, TB1-6, TB1-8, TB1-9, TB1-25, and/or TB1-26.
- (10) At TTY stations, loosen the spring clips holding DAS 820D-L1A to the 180A backboard and lift the DAS out of the TTY pedestal.
- (3) If remote TEST key is provided as a locally engineered option, connect it to TB1-5 and TB1-6.
- (4) If remote TEST lamp is provided as a locally engineered option, connect it to TB1-11 and TB1-12.
- (5) If 6041H key is provided, connect D6AD cord to TB1 as shown in Fig. 2.
- (6) Verify that the proper options are installed in the DAS, data set, and AR430 CP.
- (7) Verify that the data set and AR430 CP are properly secured in the DAS.
- (8) Connect the TTY or CPT interface cable to J3 of the DAS.
- (9) At TTY stations, connect the M3AY cord to the DAS power receptacle.
- (10) At CPT stations, connect the KS-14532-L16 cord to the DAS power receptacle.

#### 2.04 Replacement:

- (1) At TTY stations, position replacement DAS on 180A backboard and tighten spring clips.

**Caution:** Ensure that DAS is securely in place before releasing.

- (2) Connect tip and ring of transmission facility to TB1-1 and TB1-2, respectively.

- (11) At TTY stations, replace rear panel or front cover of the TTY pedestal by reversing the removal procedure outlined in 2.01 (a) or (b) and connect TTY power cord to a 117-volt, 60-Hz outlet.
- (12) At CPT stations, replace DAS cover by reversing the procedure outlined in 2.01 (2) and connect KS-14532-L16 power cord to a 117-volt, 60-Hz outlet.

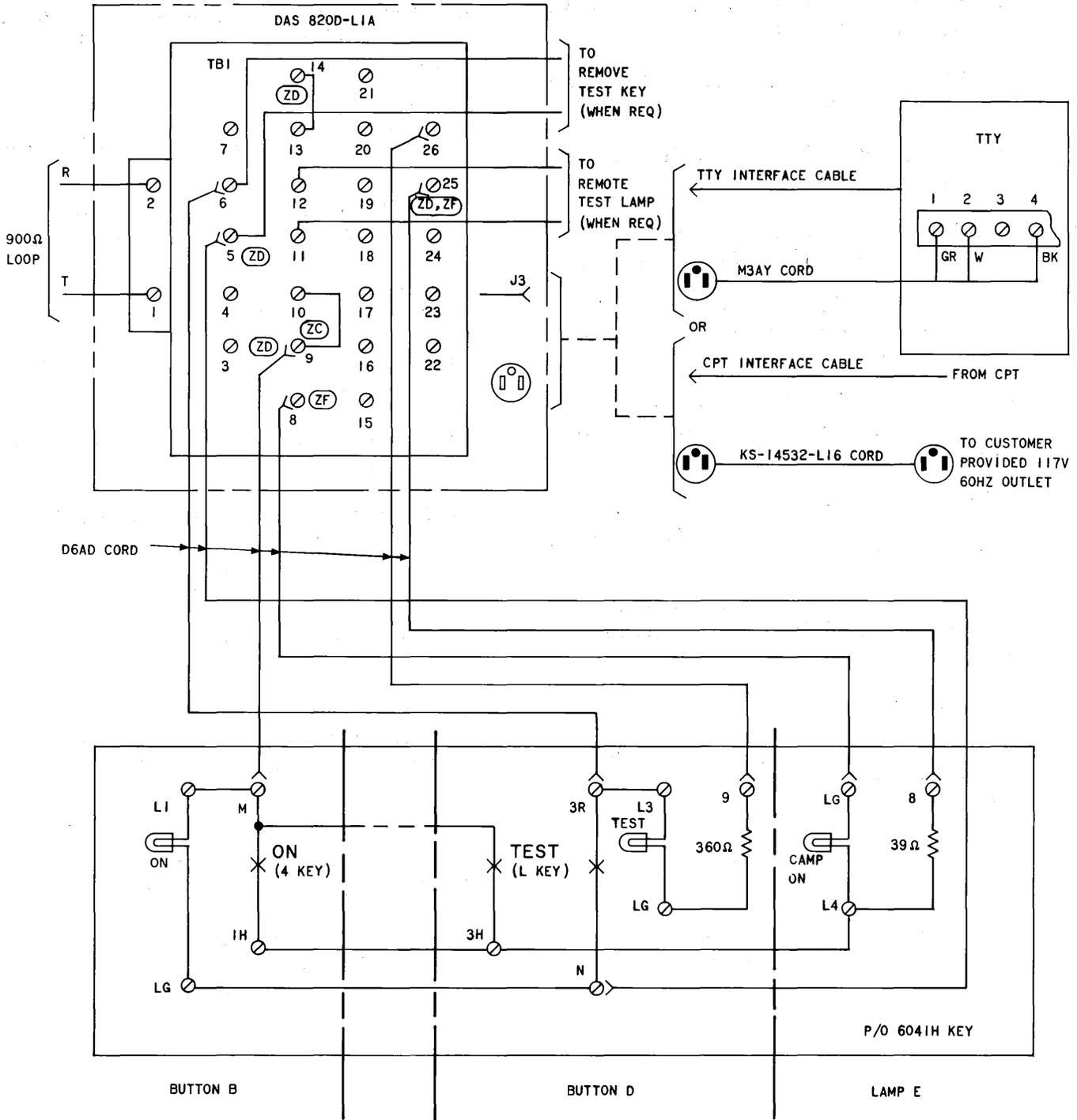


Fig. 2—Interconnection Diagram for Data Set 108A- or 108C-Type Single Private Line Station Using Data Auxiliary Set 820D-L1 or 820D-L1A in 10-Type Data Line Concentrator System.