

DATA AUXILIARY SETS 801C3 AND 801C4 MAINTENANCE

1. GENERAL

1.01 The Data Auxiliary Sets 801C3 and 801C4 shown in Fig. 1 are referred to in this section as an Automatic Calling Unit (ACU).

1.02 This section is reissued to include information on the 12-combination TOUCH-TONE® transmitter. The 12-combination TOUCH-TONE transmitter is the standard transmitter beginning

with series 3. Due to extensive changes, arrows have been omitted.

1.03 The ACU does not require routine servicing or maintenance; therefore, maintenance is limited to the replacement of defective circuit packs (when available) or damaged cords and components.

1.04 It is assumed that the test center has checked with the customer and verified that attempts by the customer to manually complete

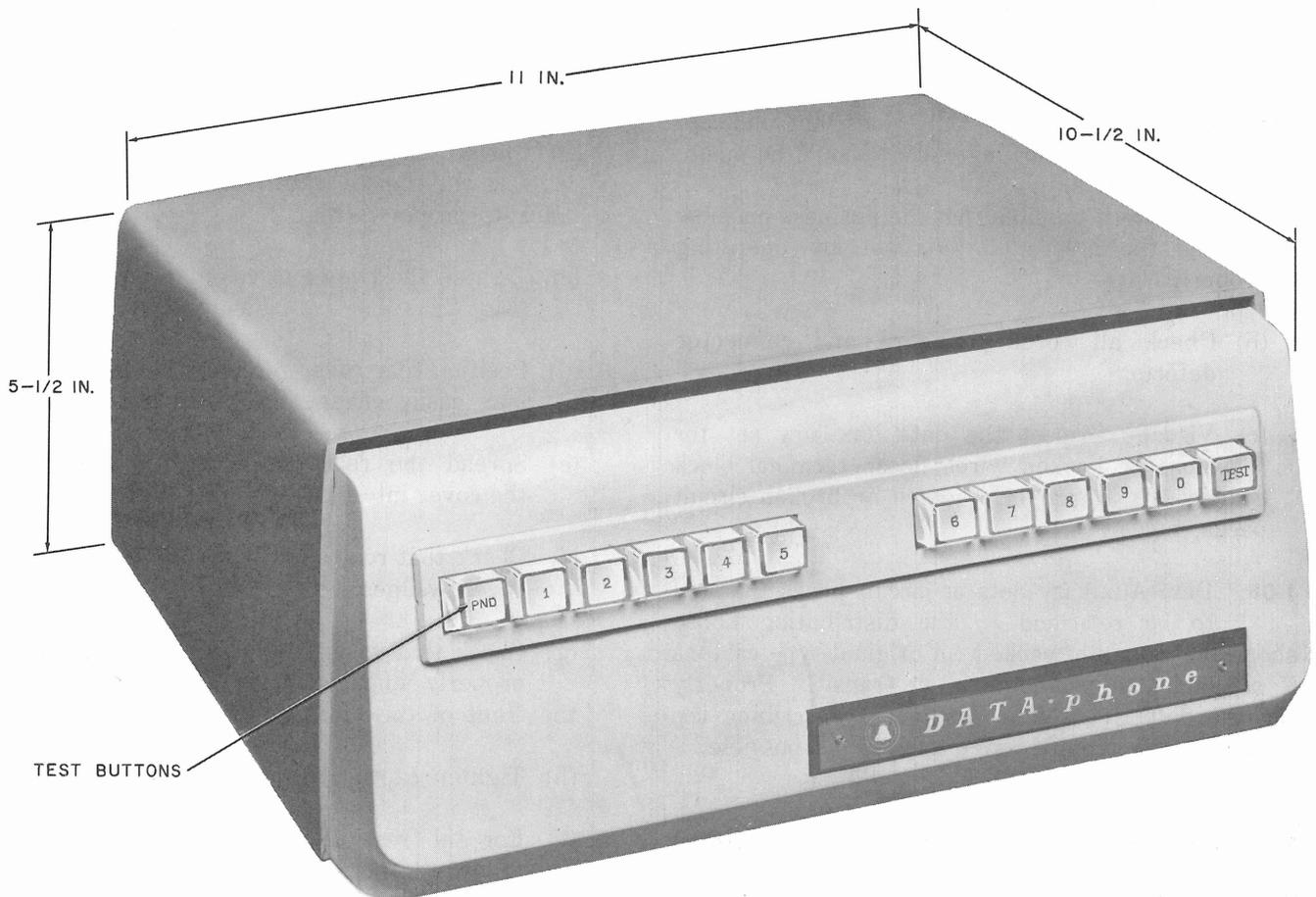


Fig. 1—Data Auxiliary Sets 801C3 and 801C4

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calls by using the test buttons have failed before a repair visit is made to the customer's premises.

Note: The test buttons can be used to generate the tones for the numbers 1 through 9 and zero, however the 11th and 12th tones cannot be generated by the use of the test buttons.

1.05 The ACU power supply circuit contains no fuses.

1.06 If the ACU is suspected of being in trouble, it may be tested as outlined in the section entitled Data Auxiliary Sets 801C3 and 801C4, Test Procedure (598-012-501).

Note: When replacement of the ACU is necessary, verify that the new set is wired with the proper options before the installation is made. Refer to the section entitled Data Auxiliary Sets 801C3 and 801C4, Installation (598-012-201) for information on installing the required options.

1.07 If testing of the ACU does not indicate trouble the following checks should be made.

- (a) Confirm if possible that the business machine and the associated data set are operating properly.
- (b) Check all cords for cord and connector defects.
- (c) Visually inspect the data auxiliary set for loose or broken wires, loose terminal block connections, improperly seated or broken circuit packs, etc.

1.08 Data Auxiliary Sets or circuit packs that are to be returned to the distributing house should be carefully packed (in original type cartons if available) to protect sets in transit. Properly tag the defective set or component describing the nature of the trouble as completely as possible.

2. COVER AND BASEPAN REMOVAL AND REPLACEMENT



Before attempting the removal or replacement of the cover, verify that power cord has been disconnected.

2.01 Refer to Fig. 2 and perform the following operations to remove the cover of the data auxiliary set.

- (a) Loosen but do not remove the four captive rear cover screws located around the basepan (Fig. 2).
- (b) Remove the rear cover by pulling straight up. The cover must be spread open slightly as it is pulled up.
- (c) Loosen but do not remove the two front cover retaining screws (Fig. 2).
- (d) Tilt front cover slightly forward at the top as it is pulled up and away from the basepan and test buttons.

2.02 For the replacement of the cover, perform the following operations:

- (a) Tilt front cover slightly forward at the top as it is lowered over the basepan and test buttons.
- (b) Check that the two front cover retaining screws engage the front cover retaining brackets properly (Fig. 2).
- (c) Tighten the two front cover retaining screws (Fig. 2).
- (d) Position rear cover retaining wedges so they may easily engage the cover lugs.
- (e) Spread the rear cover slightly and lower the cover into place over the captive wedges.
- (f) Check that rear cover lugs are engaged with cover wedges.
- (g) Check that cover catch brackets (Fig. 2) are properly engaged with the rear cover at the front of the unit.
- (h) Tighten captive rear cover screws.

2.03 For the removal of basepan, perform the following operations:

- (a) Remove front and rear covers as indicated in 2.01.

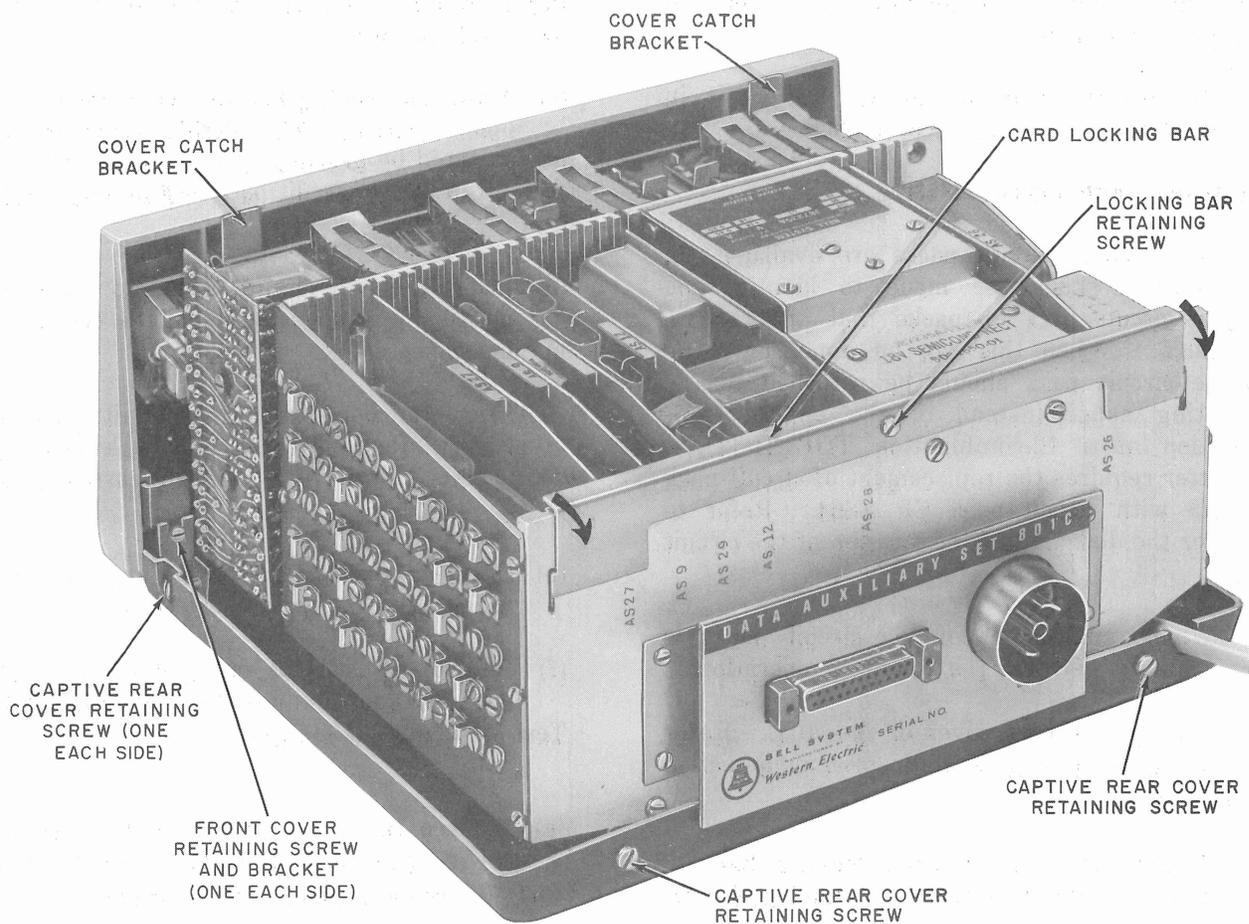


Fig. 2—Data Auxiliary Sets 801C3 and 801C4—Covers Removed

- (b) Turn ACU upside down on flat surface to expose underside of basepan.
- (c) Remove the four retaining screws in the basepan.
- (d) Remove the cord.
- (e) Remove the basepan.
- 2.04** For the reassembly of the basepan to the chassis, perform the following operations:
- (a) Attach cord to basepan.
- (b) Mount basepan to ACU chassis with the four retaining screws in basepan.
- (c) Reinstall the covers as indicated in 2.02.

3. TEST OR PND LAMP REPLACEMENT

- 3.01** To replace the test or PND lamp perform the following operations:

- (a) Remove the covers from the ACU. For information on cover removal refer to cover removal and replacement (2.01 and 2.02).

Note: A 553A lamp replacement tool will be required to replace the lamps.

- (b) Grasp test button and pull it outward while applying a slight rocking motion.
- (c) Extract the defective lamp using the 553A tool.

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- (d) Start a new 52A lamp into the socket and push it into place.
- (e) Restore the test button by pushing it in until the button snaps into place.

4. CIRCUIT PACK REPLACEMENT

4.01 When spare circuit packs are available, an attempt should be made to identify the defective circuit pack or packs that are causing the trouble. When this can be done, only the defective circuit pack should be returned to the distributing house instead of the entire ACU. Installation of a 12-combination TOUCH-TONE transmitter requires the replacement of circuit pack CP AS28 with circuit pack CP AS64. Refer to Fig. 3 for the designation and location of the circuit packs.

4.02 When replacement of the circuit packs is required perform the following operations:

- (a) Remove the rear cover of the ACU. Refer to the cover removal and replacement section of this BSP.
- (b) Release the circuit pack locking bar by loosening the locking bar retaining screw.

Refer to Fig. 2 for the location of the locking bar retaining screw.

(c) Allow the locking bar to swing down to the open position. The circuit packs can now be extracted by grasping the "L" shaped bracket at the top of the circuit pack and pulling straight up.

(d) Insert the new circuit pack into the correct positioning grooves and seat the circuit pack in the connector.

Note: Do not force the circuit pack into position. Recheck the circuit pack positioning and make sure it is aligned correctly with the connector.

(e) Close the circuit pack locking bar and tighten the locking bar retaining screw.

(f) Retest the ACU as outlined in the section entitled Data Auxiliary Sets 801C3 and 801C4, Test Procedure (598-012-501).

(g) Replace the cover of the ACU. Refer to cover removal and replacement (2.01 and 2.02) for cover replacement information.

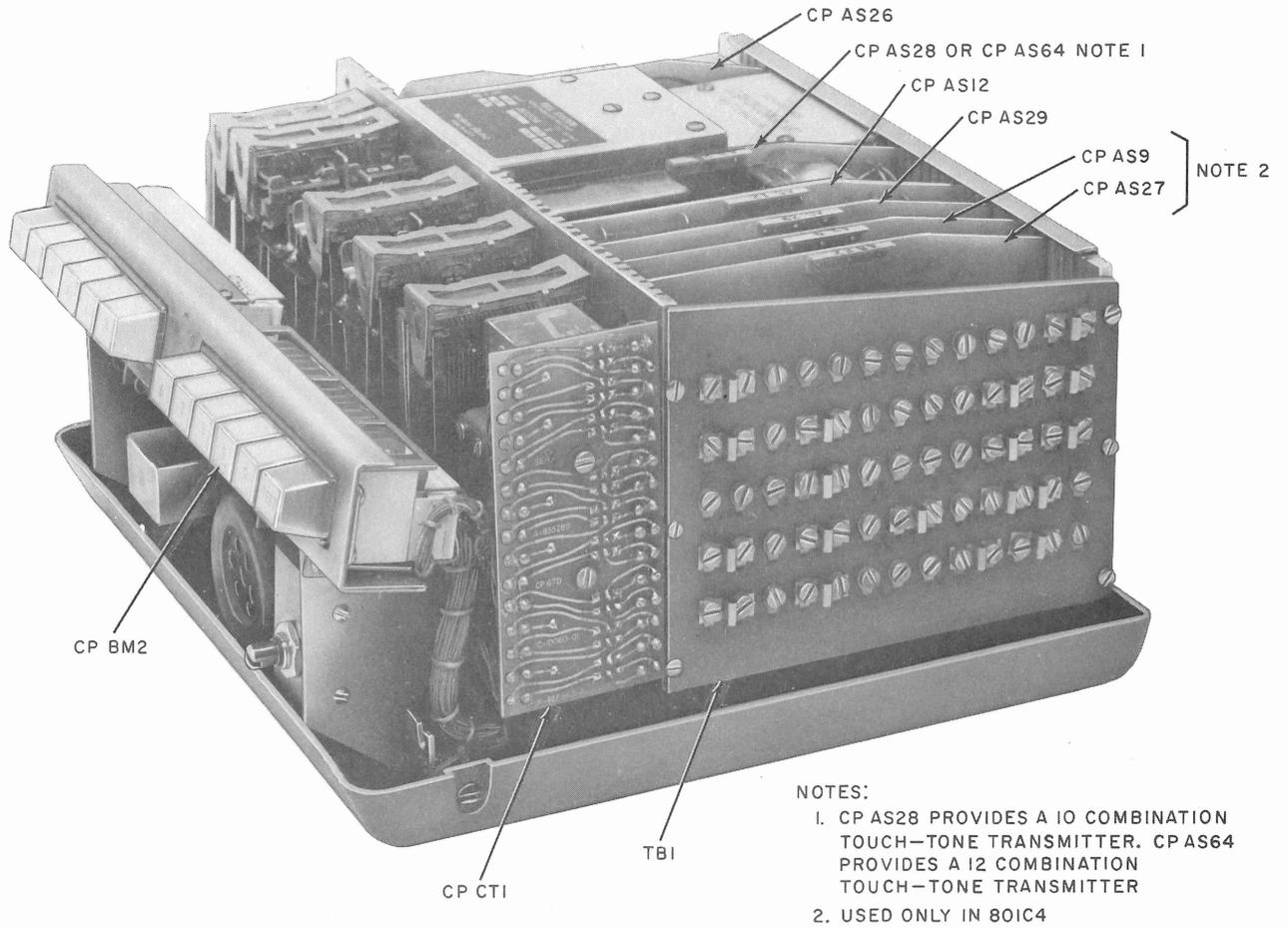


Fig. 3—Data Auxiliary Sets 801C3 and 801C4—Covers Removed Showing the Circuit Pack Locations