

5001T01A "TOUCH-A-MATIC*" TELEPHONE SET, S SERIES

IDENTIFICATION, INSTALLATION, CONNECTIONS, OPERATION, AND MAINTENANCE

1. GENERAL

1.01 This section contains information on the TOUCH-A-MATIC telephone S series, 12-button, desk-type set (Fig. 1 and 2).

Warning: *This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class B computing device pursuant to Subpart J of Part 15 of Federal Communications Commission (FCC) Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at their own expense will be required to take whatever measures may be required to correct the interference.*

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes.

- Include electromagnetic interference warning notice in compliance with the FCC ruling which requires that a warning statement be placed in the user documentation for equipment that generates and uses radio frequency energy and may radiate that energy, paragraph 1.01
- Add information on M2A handset
- Revise battery replacement information on instruction label (Fig. 4)

- Eliminate Fig. 5
- Show 5001T01A-51 and 5001T01A-58 manufacture discontinued (MD) (Table A)
- Add emergency symbols (Fig. 2).

1.03 This telephone set can only be used for individual or single line TOUCH-TONE† service.

Note: This set is not designed for speakerphone, loudspeaker, A lead control, or party-line service.

1.04 This set is available in colors listed in Table A. The only faceplate color available for the automatic dialer is silver (-122).

2. IDENTIFICATION

2.01 The 5001T01A desk telephone set has a 12-button automatic dialing feature. The two top name and number buttons are illuminated red and green by light-emitting diodes (LEDs). The set also contains a TOUCH-TONE‡ telephone dial, tone ring-er, and M1A handset.

2.02 Design features are as follows:

- Modular unit.
- Solid-state circuit memory and network.
- Automatic dialing of 12 stored numbers.
- Will store up to 16 digits per number.
- Capability to record, change, or delete numbers in memory.

† Registered Service Mark of AT&TCo.

‡ Trademark of AT&TCo.

* Registered Trademark of AT&TCo.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

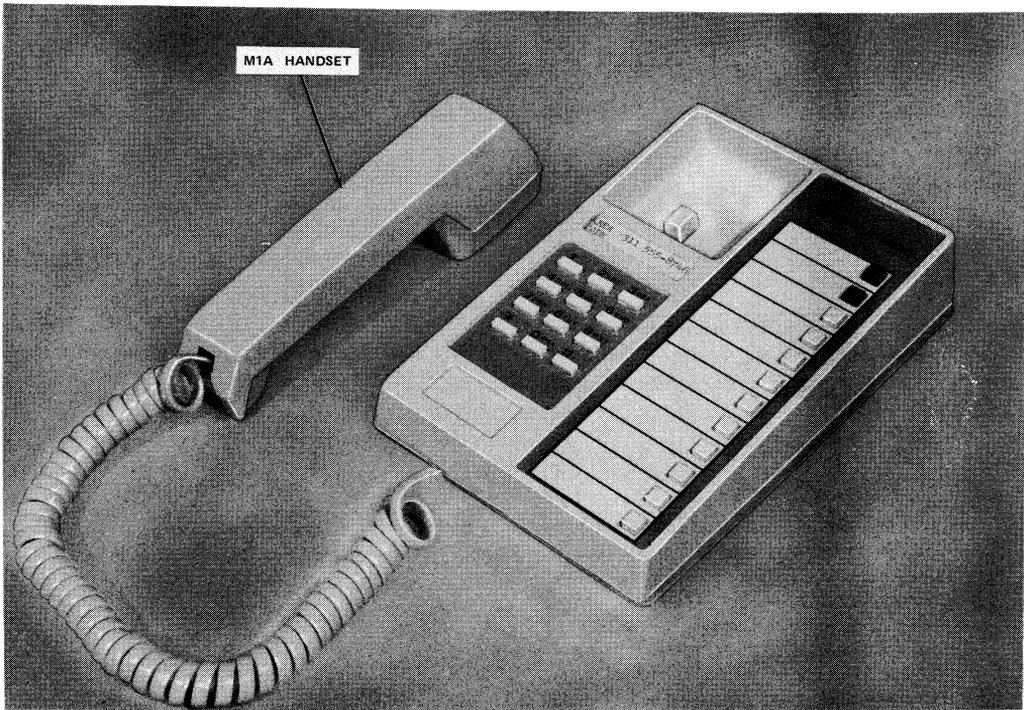


Fig. 1—5001T01A Telephone Set

- Single button dialing and directory space for names and numbers.
- Two illuminated buttons to highlight important numbers.
- M1A handset.
- Electronic tone ringer.
- Internal S1 sounder unit which provides tones for automatic dialing, indicating proper recording procedures, and for checking battery.
- Battery powered repertory dialer.
- Telephone number recording with handset on- or off-hook. Off-hook recording does not interfere with conversation.
- RECORD ON/OFF button protected during normal usage by faceplate to prevent inadvertent erasure of stored numbers.
- Built in polarity guard.

2.03 Operating features are as follows:



This set is not compatible with all network facilities due to limited available loop current, and may not function properly in all cases. When these sets are connected to these facilities, such as analog subscriber

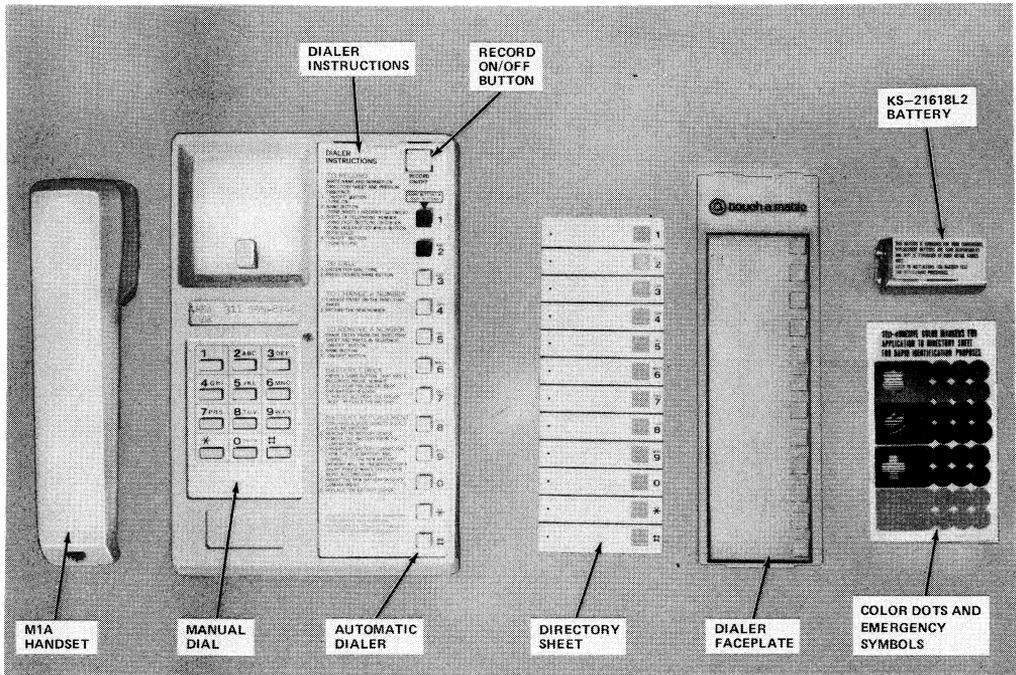


Fig. 2—5001T01A Telephone Set With Handset, Dialer Faceplate, Directory Sheet, and Battery, Removed

loop carrier systems (SLC-1 and SLC-8 type) and long loops (over 1300 ohms), the sets may not dial from the manual dial key pad. When this incompatibility is encountered, the customer should be directed to exchange the set for another product.

- 12-button memory field with low force, short travel nonlocking buttons.
- TOUCH-TONE dialing with short travel buttons.
- RECORD ON/OFF button (under faceplate) when momentarily depressed places dialer in

the record mode, subsequent operation terminates the record mode.

- Approximately 1 to 1-1/2 minute automatic time-out if left idle in the record mode.
- Approximately 10 second light time-out on the red and green LED illuminated automatic dial buttons.
- Normal telephone usage with either the automatic dialer or manual TOUCH-TONE telephone dial.
- Tone ringer with slide adjustment for volume control.

2.04 Ordering guide is as follows:

SECTION 503-400-100

(a) The 5001T01A is a modular type telephone set and may be ordered as follows:

(1) Set, Telephone, 5001T01A-(see Table A for color or comcode number) includes the following:

- (a) Faceplate, 1200A1-122
- (b) Battery, KS-21618L2 (9-volt)
- (c) Handset, M1A-(see Table A for color or comcode number)
- (d) 841386352 Directory Marker (color dots and emergency symbols)
- (e) 841396559 Directory Sheet (double-sided)
- (f) Customer Instruction Booklet, CIB-2506.

(b) Order the following separately:

- (1) Cord, Mounting, D4BU-29
- (2) Cord, Handset, H4DU-(see Table A for color or comcode number).

(c) Replacement components are as follows:

- Alkaline Battery, 9-volt (customer replacement only)
- Handset, M1A-(see Table A for color or comcode number)
- Cord, Mounting, D4BU-29

- Cord, Handset, H4DU-(see Table A for color or comcode number)
- Faceplate, 1200A1-122
- 841408289 Card Retainer
- 841408255 Number Card
- 841396559 Directory Sheet (double-sided)
- Battery cover (see Table A for color or comcode number)

(d) ♦Associated apparatus is as follows:

(1) Handset, M2A-(see Table A for color or comcode number) (for use with inductive pickup hearing aids, refer to Section 501-210-110).♦

3. INSTALLATION AND CONNECTIONS

Note: Inside wire need not be connected to the ground terminal at the protector or equivalent.

3.01 Assure that the central office (CO) line is terminated into a connecting block that will accept a modular D4BU mounting cord.

3.02 The telephone set is shipped with a 9-volt alkaline battery which is to be connected at the time of installation. Remove the battery cover located on the bottom of the telephone set and make

♦ **TABLE A** ♦

TELEPHONE SET HOUSING, HANDSET CORD, BATTERY COVER, AND FACEPLATE COLORS

HOUSING, HANDSET CORD, AND BATTERY COVER COLOR	HOUSING AND HANDSET CORD, SUFFIX	BATTERY COVER NUMBERS	FACEPLATE COLOR	SUFFIX
Ivory	-50	841411507	Silver	-122
Green	-51 (MD)	841411515		
Yellow	-56	841411523		
White	-58 (MD)	841411531		
Brown	-104	841411549		
Rust	-124	841411556		

the necessary connections (Fig. 3). Place the battery in the battery compartment and replace the cover.

Note: The battery should last approximately one year under normal telephone usage. All subsequent batteries are to be provided and installed by the customer. If service is disconnected, remove and discard the battery.

3.03 Plug one end of the mounting cord (D4BU) into the modular jack in the rear of the set and the other end into the 625-type modular connecting block. Connect the handset cord to the set (Fig. 3).

INSTALLATION TEST

A. Telephone Set

- (1) Dial the appropriate code for ringback to test the telephone set tone ringer. Move the ringer volume control lever (Fig. 3) on the bottom of the set to check variation of volume. There is no provision for ringer cutoff using the volume control.
- (2) Call the CO dial test line, when connected press the dial buttons in sequence 1 through 9, *, 0, and # verifying that correct signals is returned from the CO.

B. Automatic Dialer

- (1) Record digits 1 through 9, *, 0, and # into first memory location.
- (2) From the telephone set manually dial CO "dial test circuit."
- (3) When test line is connected, depress the first memory button and verify that correct signal is returned from the CO.
- (4) Repeat Steps (1), (2), and (3) for memory buttons two through twelve.

4. OPERATION

4.01 The memory location buttons are used for the following functions:

- To select memory locations
- To be used as specific digits when recording or changing numbers

- To automatically dial prerecorded numbers.

A. To Place a Number Into Memory

4.02 Perform the following operations in sequence.

- (1) Remove the dialer faceplate by inserting fingernail into slot at top of faceplate, pull down slightly, and lift out.
- (2) Remove the directory sheet and write or type the desired name(s) and telephone number(s).
- (3) Momentarily depress the RECORD ON/OFF button (Fig. 2). (A constant tone will be heard.)
- (4) Momentarily depress the memory button adjacent to the desired name listed on the directory sheet. (A double interrupt of the tone will be heard.)
- (5) Manually dial the desired number using the digit designations to the right of the memory buttons on the dialer. (The tone will interrupt momentarily as each digit is recorded.) The manual dial key pad **cannot** be used to record a number into memory. A total of 16 digits can be recorded. When the sixteenth digit is recorded, the dialer will beep three (3) times and automatically end the recording procedure. If the dialer is inadvertently left in the record mode it will time out after 1-1/2 minutes, give three (3) beeps, and automatically reset.
- (6) Momentarily depress the RECORD ON/OFF BUTTON. [The tone will cease and the dialer will be ready either for automatic dialing or to record another telephone number into memory. Repeat Steps (3) through (6)].
- (7) Replace the faceplate after all numbers have been recorded.

Note: The two top name and digit buttons are illuminated by red and greens LEDs. Both buttons are illuminated for approximately 10 seconds when the handset is taken off-hook. This enables the user to identify important numbers such as police, fire, etc, especially in the dark. Other important numbers may be highlighted by use of the adhesive backed color dots furnished with the set.

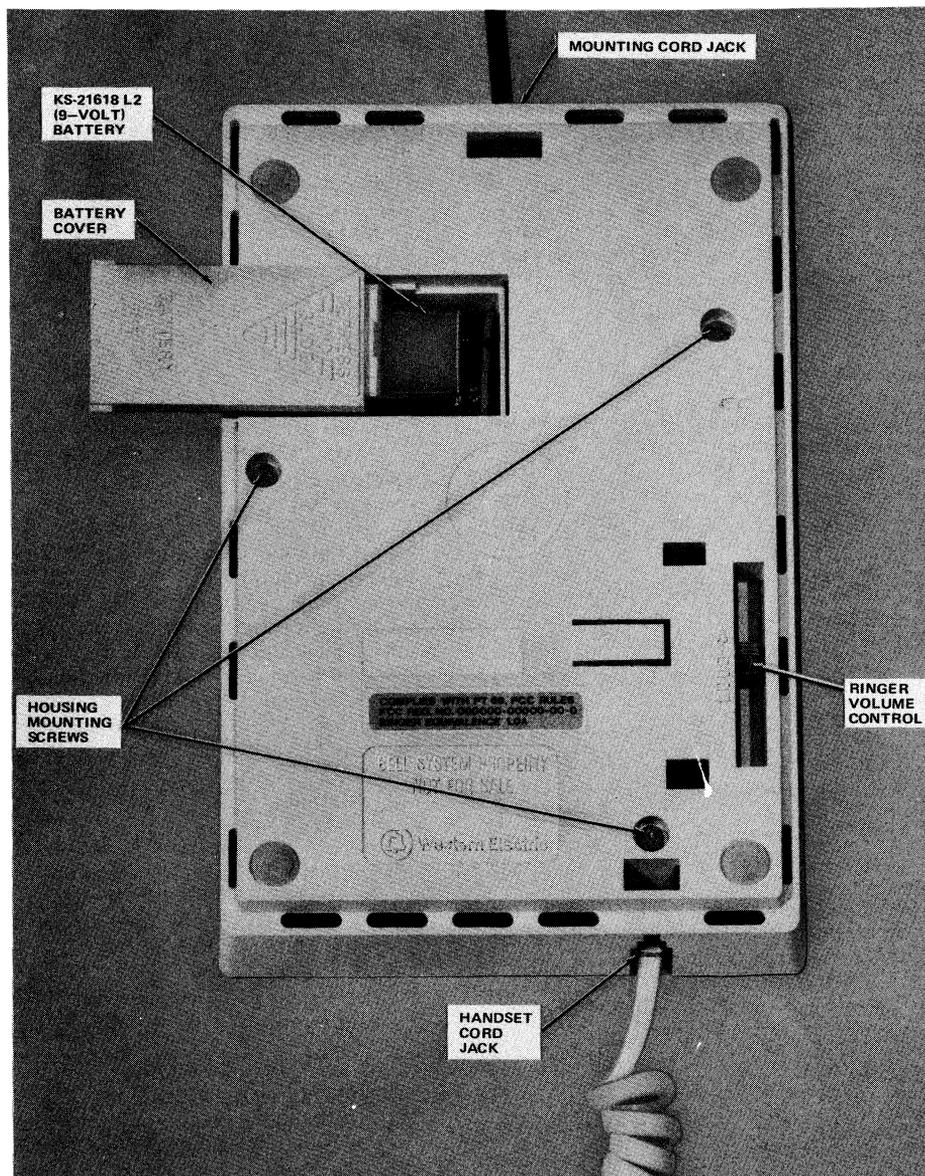


Fig. 3—5001T01A Telephone Set, Bottom View

B. To Change a Number in Memory

4.03 When a new number is recorded in a previously used memory position, it will automatically replace the previously stored number.

C. To Delete a Number From Memory

4.04 Perform the following operations in sequence.

- (1) Remove the dialer faceplate by inserting fingernail into slot at top of faceplate, pull down slightly, and lift out.
- (2) Momentarily depress the RECORD ON/OFF button.
- (3) Depress the memory button corresponding to the name and number to be deleted.
- (4) Momentarily depress the RECORD ON/OFF button.
- (5) Remove the persons name and number previously written or typed on the directory sheet.
- (6) Replace the faceplate.

D. To Automatically Dial a Number From Memory

4.05 Perform the following to automatically dial a number.

- (1) Lift the handset and listen for dial tone.
- (2) Depress the desired memory button on the dialer.

5. MAINTENANCE

5.01 Maintenance is limited to replacement of mounting cord, faceplate, directory sheet, battery cover, handset cord, and handset.

Note: Only the M1A or M2A handset can be used with this telephone set.

Caution: *Numbers stored in memory may be erased if battery is disconnected for longer than 1 minute during replacement.*

5.02 The battery is to be replaced by the customer. Refer to instruction label (Fig. 4) or Customer Instruction Booklet (CIB-2506) for detailed testing and replacement procedures.

5.03 If a weak or dead battery is suspected, inform the customer a new battery is required.

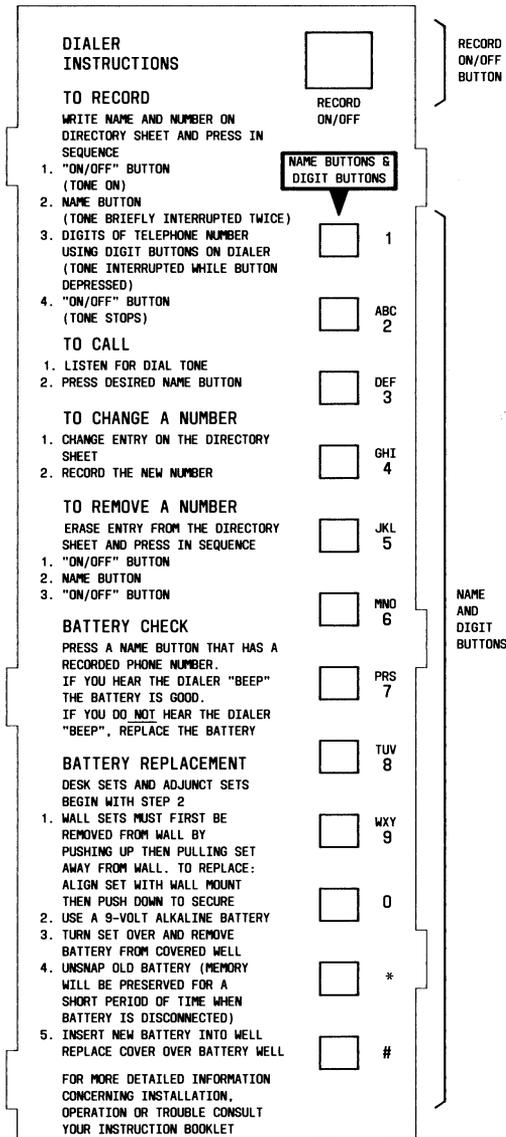


Fig. 4—Instruction Label