

SETS

Telephone

3504BW
TOUCH-TONE3568HHW and 3568HTW
TOUCH-TONE

A common battery, desk type, telephone set arranged for two- or four-wire service. The sets are factory wired for four-wire service. Overall dimensions are 8.312 inches wide by 9 inches deep by 4.906 inches high.

Each set consists of a 66A3A Dial, an N1A Ringer, a 425G Network, a printed circuit board assembly containing a 460A Diode (used as a polarity guard), and a 425D Diode (used as a surge protector), an exclusion switch assembly, operated by lifting the left plunger, a card operated type line switch, two terminal strip assemblies, a metal base, a plastic housing assembly, a plastic snap-on face plate which mounts from the top side and is arranged to accommodate a number card, a G3AR Hand Set, and a D24E Cord.

Each set is arranged to mount but not equipped with a KS-8109L1 Buzzer. Buzzer must be ordered separately if required.

Used with the 758C PBX.

Intended solely for specially engineered lines—Not for general telephone use.

Code No.	Comcode	Color
3504BW-3	101 171 411	Black
3504BW-51	101 171 429	Green
3504BW-53	101 173 235	Red
3504BW-56	101 173 243	Yellow
3504BW-58	101 173 250	White
3504BW-60	101 173 276	Light beige
3504BW-61	101 173 284	Light gray

Common battery, desk type, six-button key telephone sets arranged for two- or four-wire service. Overall dimensions are 8.312 inches wide by 9.556 inches deep by 4.906 inches high. The spring combinations associated with the six push buttons provide a hold (H) and five line pickups (P) with all pickups convertible for signaling. The pickup (P) key buttons are illuminated and serve as line busy, hold line and/or incoming call signals. The hold (H) button is also arranged for illumination. The key is arranged to permit the interchangeability of any pickup line to any pickup position.

Each set consists of a 66A3A Dial, a 635A2 Key, an N1A Ringer, a 425E Network, a printed circuit board assembly, containing a 460A Diode (used as polarity guard), a 425D Diode (used as a surge protector), and an MA4 Relay which performs the necessary switching between two-wire and four-wire configurations, an exclusion switch assembly operated by lifting the left plunger, a card operated type line switch, two terminal strip assemblies, a metal base, a plastic housing assembly, a plastic snap-on face plate which mounts from the top side and is arranged to accommodate a number card, a G3AR Hand Set, and a D50W Cord. Each set is arranged for but not equipped with a KS-8109L1 Buzzer, which must be ordered separately if required. The 3568HTW and 3568HHW are the same except the 3568HHW contains a 66A4B Dial (illuminated) instead of a 66A3A Dial (unilluminated).

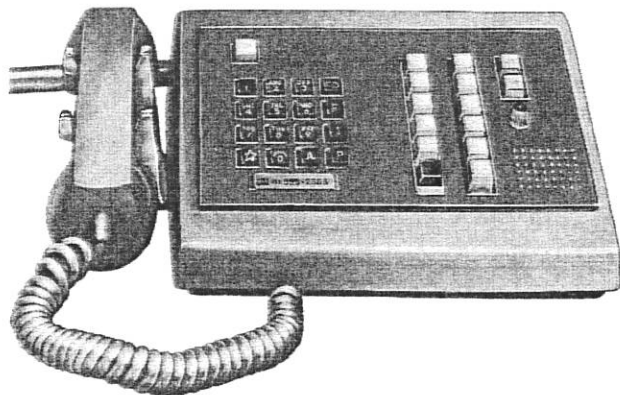
Intended solely for specially engineered lines—Not for general telephone use.

SETS

Telephone

3568HHW and HTW (Continued)

Code No.	Comcode	Color
3568HHW-3	100 981 521	Black
3568HHW-51	100 981 539	Green
3568HHW-53	100 981 547	Red
3568HHW-56	100 981 554	Yellow
3568HHW-58	100 981 562	White
3568HHW-60	100 981 588	Light beige
3568HHW-61	100 981 596	Light gray
3568HTW-3	100 981 620	Black
3568HTW-51	100 981 638	Green
3568HTW-53	100 981 646	Red
3568HTW-56	100 981 653	Yellow
3568HTW-58	100 981 661	White
3568HTW-60	100 981 687	Light beige
3568HTW-61	100 981 695	Light gray

3640AW Type
TOUCH-TONE

A desk type telephone set in a plastic housing with a sloping top surface having overall dimensions of 12.5 inches wide by 8.250 inches deep by 4.226 inches high. Has a clear, antiglare plastic face plate (P-29E340) and a coordinated colored mat which are assembled in a stainless steel bezel which snaps in place and can be readily removed from the housing for maintenance.

The set is also equipped with a 66A3A or 66A4B Dial, a G3AR Hand Set, a D150 Cord, a 4010B Network, an N1A Ringer, exclusion switch assembly, line switch assembly, and a printed circuit board containing an MA4 Relay (for connecting to four-wire circuits) with polarity guard and surge protector.

The set is available in key configurations shown in table following CALL DIRECTOR telephone sets.

The sets coded with the suffix AW1A, AW2A, AW11A are equipped with a 66A3A Dial. Sets that have the suffix AW1B, AW2B, AW11B are equipped with 66A4B Illuminated Dials. The numbers 1, 2, and 11 indicate the key code configuration. The exclusion switch is located near the upper left hand corner of the face plate. The set is arranged for but not equipped with a KS-8109L2 Buzzer. The buzzer must be ordered separately if required.

The basic telephone set code, the key configuration code, the color code, and dial code must be specified when ordering, i.e., 3640AW1B-56.

Used with AUTOVON key systems.

Intended solely for specially engineered lines—Not for general telephone use.

Code No.	Comcode	Color
3640AW1A-3	101 173 680	Black
3640AW1A-51	101 173 706	Green
3640AW1A-53	101 173 714	Red
3640AW1A-56	101 173 722	Yellow
3640AW1A-58	101 173 730	White
3640AW1A-60	101 173 755	Light beige
3640AW1A-61	101 173 763	Light gray
3640AW1B-3	101 173 805	Black
3640AW1B-51	101 173 813	Green
3640AW1B-53	101 173 821	Red
3640AW1B-56	101 175 636	Yellow
3640AW1B-58	101 175 644	White
3640AW1B-60	101 175 669	Light beige
3640AW2A-3	101 175 701	Black
3640AW2A-51	101 175 719	Green
3640AW2A-53	101 175 727	Red
3640AW2A-56	101 175 735	Yellow
3640AW2A-58	101 175 743	White
3640AW2A-60	101 175 768	Light beige
3640AW2A-61	101 175 776	Light gray
3640AW2B-3	101 175 800	Black
3640AW2B-51	101 175 818	Green
3640AW2B-53	101 175 826	Red
3640AW2B-56	101 175 834	Yellow
3640AW2B-58	101 175 842	White
3640AW2B-60	101 175 867	Light beige
3640AW2B-61	101 175 875	Light gray
3640AW11A-3	101 175 909	Black
3640AW11A-51	101 175 917	Green
3640AW11A-53	101 175 925	Red
3640AW11A-56	101 175 933	Yellow
3640AW11A-58	101 175 941	White
3640AW11A-60	101 175 966	Light beige
3640AW11A-61	101 175 974	Light gray

SETS

Telephone

Code No.	Comcode	Color	Code No.	Comcode	Color
3640AW11B-3	101 176 006	Black	3641AW1B-3	101 183 804	Black
3640AW11B-51	101 176 014	Green	3641AW1B-51	101 183 812	Green
3640AW11B-53	101 176 022	Red	3641AW1B-53	101 183 820	Red
3640AW11B-56	101 176 030	Yellow	3641AW1B-56	101 183 838	Yellow
3640AW11B-58	101 176 048	White	3641AW1B-58	101 183 846	White
3640AW11B-60	101 176 063	Light beige	3641AW1B-60	101 183 861	Light beige
3640AW11B-61	101 176 071	Light gray	3641AW1B-61	101 183 879	Light gray

3641AW Type TOUCH-TONE

A desk type telephone set in a plastic housing with a sloping top surface having overall dimensions of 15.125 inches wide by 8.250 inches deep by 4.226 inches high. Similar to 3640AW type except 3641AW type has five key positions. Has a clear, antiglare plastic face plate (P29E342) and a coordinated colored mat which are assembled in a stainless steel bezel which snaps in place and can be readily removed from the housing for maintenance.

The set is also equipped with a 66A3A or 66A3B Dial, a G3AR Hand Set, a D250 Cord, a 4010B Network, an N1A Ringer, exclusion switch assembly, line switch assembly, and a printed circuit board containing an MA4 Relay (for connecting to four-wire circuits) with polarity guard and surge protector.

The set is available in key configurations shown in table following the CALL DIRECTOR telephone sets.

The sets coded with the suffix AW1A, AW2A, AW3A, AW16A, and AW17A are equipped with a 66A3A Dial. Sets that have the suffix AW1B, AW2B, AW3B, AW16B, and AW17B are equipped with 66A4B Illuminated Dials. The numbers 1, 2, 3, 16, and 17 indicate the key code configuration. The exclusion switch is located near the upper left hand corner of the face plate. The set is arranged for but not equipped with a KS-8109L2 Buzzer. The buzzer must be ordered separately if required.

The basic telephone set code, the key configuration code, the color code, and the dial code must be specified when ordering, i.e., 3641AW1B-56.

Intended solely for specially engineered lines—Not for general telephone use.

Code No.	Comcode	Color	Code No.	Comcode	Color
3641AW1A-3	101 183 705	Black	3641AW16A-51	101 185 619	Green
3641AW1A-51	101 183 713	Green	3641AW16A-53	101 185 627	Red
3641AW1A-53	101 183 721	Red	3641AW16A-56	101 185 635	Yellow
3641AW1A-56	101 183 739	Yellow	3641AW16A-58	101 185 643	White
3641AW1A-58	101 183 747	White	3641AW16A-60	101 185 668	Light beige
3641AW1A-60	101 183 762	Light beige	3641AW16A-61	101 185 676	Light gray
3641AW1A-61	101 183 770	Light gray	3641AW16B-3	101 185 700	Black
			3641AW16B-51	101 185 718	Green
			3641AW16B-53	101 185 726	Red
			3641AW16B-56	101 185 734	Yellow
			3641AW16B-58	101 185 742	White

SETS

Telephone

3641AW Type (Continued)

Code No.	Comcode	Color
3641AW16B-60	101 185 767	Light beige
3641AW16B-61	101 185 775	Light gray
3641AW17A-3	101 185 809	Black
3641AW17A-51	101 185 817	Green
3641AW17A-53	101 185 825	Red
3641AW17A-56	101 189 439	Yellow
3641AW17A-58	101 189 447	White
3641AW17A-60	101 189 462	Light beige
3641AW17A-61	101 189 470	Light gray
3641AW17B-3	101 189 504	Black
3641AW17B-51	101 189 512	Green
3641AW17B-53	101 189 520	Red
3641AW17B-56	101 189 538	Yellow
3641AW17B-58	101 189 546	White
3641AW17B-60	101 189 561	Light beige
3641AW17B-61	101 189 579	Light gray

3666AW1A and 3666AW1B Types
TOUCH-TONE AND CARD DIALER

A six-button TOUCH-TONE desk type telephone set equipped with a 67A type or a 67B type card dialer. Overall dimensions are 10.010 inches wide by 9.000 inches deep by 4.381 inches high.

The sets are equipped with a 635A2 Key which has one hold (H) button and six illuminated pickup (P) buttons. It is also equipped with an M1A Ringer, an MA4 Relay, a G3AR Hand Set, and a D50W Cord, an exclusion switch located in the upper left corner of the face plate, a line

switch which provides the switching required by high security circuits, a 460A Diode used as a polarity guard, and a 425D Diode which is used to provide surge protection. The sets are provided with two card sets, P29E718 (20 cards) and P29E719 (nine index cards). The M1A Ringer volume is adjustable from loud to soft and may be silenced by removing the housing and making a minor adjustment. The MA4 Relay provides two- or four-wire service. The sets are arranged for but not equipped with a KS-8109L2 Buzzer which must be ordered separately if required.

The 3666AW1A and 3666AW1B are the same except that the 3666AW1A is equipped with a 67A type dial and the 3666AW1B is equipped with a 67B illuminated type dial.

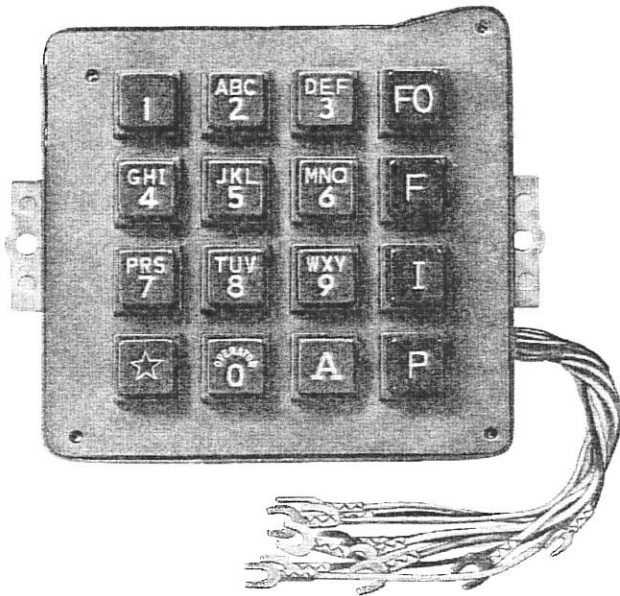
Used in AUTOVON.

Intended solely for specially engineered lines—Not for general telephone use.

Code No.	Comcode	Color
3666AW1A-3	101 093 904	Black
3666AW1A-50	101 390 748	Ivory
3666AW1A-51	101 093 912	Green
3666AW1A-53	101 093 920	Red
3666AW1A-56	101 093 938	Yellow
3666AW1A-58	101 093 946	White
3666AW1A-60	101 093 961	Light beige
3666AW1A-61	101 093 979	Light gray
3666AW1B-3	101 189 629	Black
3666AW1B-50	101 390 763	Ivory
3666AW1B-51	101 189 637	Green
3666AW1B-53	101 189 645	Red
3666AW1B-56	101 189 652	Yellow
3666AW1B-58	101 189 660	White
3666AW1B-60	101 189 686	Light beige
3666AW1B-61	101 189 694	Light gray

DIALS

66 Type



The 66 type dial is a 16 pushbutton multifrequency dialing device. Ten of the pushbuttons, from one to zero, are used for station-to-station calling and the remaining six are used to provide special service signals. Each of the 16 pushbuttons, when operated, generates a double frequency signal distinctive to that button. Overall dimensions are 4.150 inches by 3.397 inches by 1.765 inches. The mounting holes on the mounting bracket are 3.818 inches center to center.

66A3A: This dial is designed for use in a standard telephone set circuit using a 425E Network or equivalent. The necessary switching for use with speakerphone is provided. Eleven spade-tipped leads extend from the dial to connect to telephone set terminals. Flat tabs extend from each side to permit front access to dial mounting screws. The right hand column of special service pushbuttons are red and have snap-on caps which may be removed and replaced with caps having other designations. All other buttons are medium gray including the STAR and A special service buttons which also have snap-on caps. Used in the 3568HTW-3 Telephone Set and 3640A1A and 3641A1A type telephone sets for the AUTOVON project.

Comcode: 100 172 162

66A4B: Same as 66A3A Dial except that the buttons on this dial are illuminated by a pair of lamps mounted on the underside of the dial. The special service buttons in the right hand column are the red translucent type. The other pushbuttons are the white translucent type. The 13 spade-tipped leads extend from the dial to connect to telephone set terminals. Used in the AUTOVON project.

Comcode: 100 172 170

66B3A: Same as 66A3A Dial except this dial is designed to use in the 67A Dial in the 3666A1A Card Dialer for the AUTOVON project. It has 11 spade-tipped leads extending from the dial to connect to the telephone set terminals and 10 other tinned leads are brought out from the dial for connection to the card reader.

Comcode: 100 172 188

66C3A: Same as 66A3A Dial except this dial is designed for use in the Dial Restoration Panel for the AUTOVON project. Each pushbutton operates two electrically independent make contacts corresponding to the row and column position of the button. Eight additional make contacts are provided which operate when the frequency signal switches are operated. Only six of these are wired for use. An additional make contact is provided on the common switch. Twenty connections are brought out from the dial to the set in a 20-pin KS-19080L2 Connector.

Comcode: 100 172 196

66B4B: This dial is similar to the 66B3A Dial except that a pair of lamps, mounted on the underside of the dial, illuminate the 16 pushbuttons. Spade-tipped leads from the lamp sockets provide connection to the lighting circuit.

The right hand row of pushbuttons are a red translucent type. All other pushbuttons, including the A and STAR special service buttons, are a white translucent type. Buttons are not equipped with snap-on caps.

This dial is used in the 67B Card Dialer which is used in the 3666A1B Telephone Set where a set with an illuminated card dialer is desired.

Comcode: 101 092 211

66D4B: This dial is similar to the 66A3A Dial except that nine leads extend from the dial and are terminated in a 9-pin connector to provide connection to PBX switchboard in the AUTOVON project. It is intended to mount in a 50B Dial Mounting. A pair of lamps are mounted on the underside of the dial to provide illumination for the 16 pushbuttons. Two spade-tipped leads extend from the dial for connection to the lamp power circuit.

The right hand row of pushbuttons are a red translucent type. All other pushbuttons, including the A and STAR special service buttons, are a white translucent type. The buttons are not equipped with snap-on caps.

Comcode: 101 146 645

DIALS

67A and 67B



67A: A combination of a manual 16 button TOUCH-TONE dial and a card reader mechanism which permits multifrequency dialing performed either manually or from a coded card. Manual dialing is accomplished by sequentially pushing buttons on the manual TOUCH-TONE dial corresponding to the desired button. Card dialing is accomplished by inserting a precoded card into the card reading mechanism and depressing the START bar. Provisions have been made for manual dialing from a stop position. In the event that the card reader mechanism fails during card dialing, the dial can be returned to the manual dialing mode by operating the switchhook. Switching is provided for use with speakerphone.

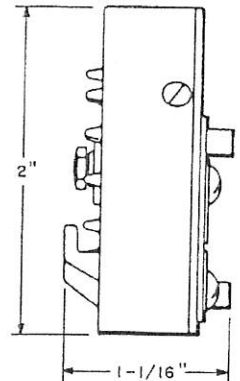
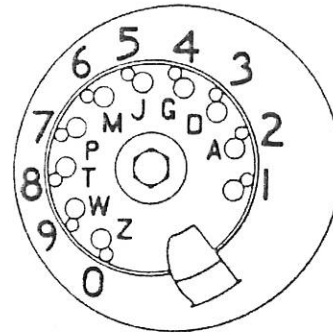
Uses a 66B3A manual TOUCH-TONE dial which consists of a 4 by 4 array of 16 buttons. Ten number letter buttons are used for standard dialing and six buttons designated FO, F, I, P, A and an open star are used for special service signaling. The overall dimensions are 5.950 inches long by 4.210 inches wide by 4.052 inches high. The dial uses a P-29E161 card which has a storage capacity of 16 digits and provides for encoding the standard 10 number letter codes as well as the six special service codes. The 67A Dial is used in the 3666A1A Telephone Set for the AUTOVON project.

Comcode: 100 172 212

67B: Same as the 67A Dial except it uses the 66B4B Dial which provides the features necessary to illuminate the buttons.

Comcode: 101 146 637

103A

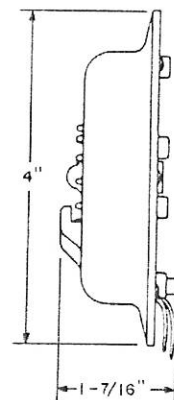
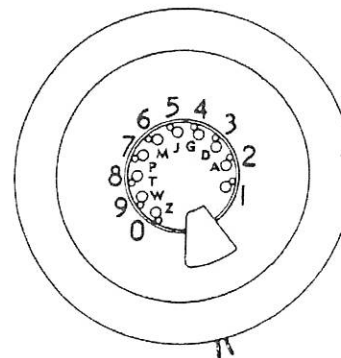


Provided with a finger wheel which when rotated causes a pair of contacts to make and break, thus permitting impulses to be sent into the dial system offices.

Intended for use in the 1011BW Hand Set which is used by linemen.

Comcode 100 172 279

104A



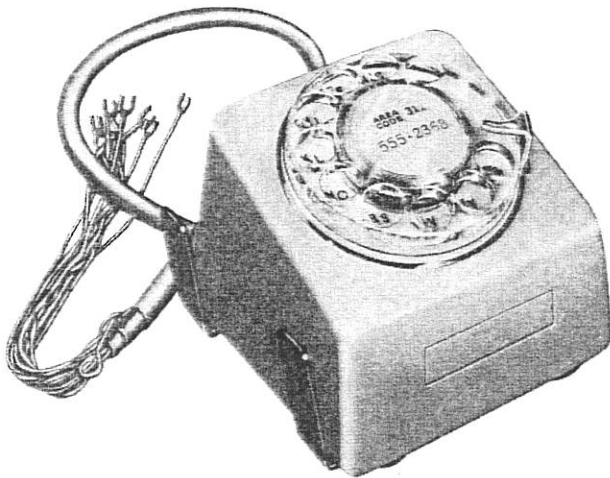
Provided with an insulated black case and an insulated finger wheel. The finger wheel when rotated causes a pair of contacts to make and break thus permitting impulses to be sent into the dial system offices. Two black terminal leads approximately 9 inches long connected to the contact spring are furnished.

Used on 107B Test Set.

Comcode: 100 172 287

DIALS

1008BW



Consists of an 8B Dial (Rotary) in a special molded housing containing termination for a D10R type cord which is included and is used to connect 1008BW Dial to an adjacent telephone set.

Used in conjunction with a console telephone set in AUTOVON service.

Code No.	Comcode	Color
1008BW-3	101 092 237	Black
1008BW-51	101 092 245	Green
1008BW-53	101 092 252	Red
1008BW-56	101 092 260	Yellow
1008BW-58	101 092 278	White
1008BW-60	101 001 204	Light beige
1008BW-61	101 138 246	Light gray

1066 Type



1066A3AW-61: Consists of a 66A3A Dial, a D14M-61 Cord, and a P-90D012 Guard Assembly which are mounted on a metal base and are housed in a plastic housing. Overall dimensions are approximately 4.600 inches long by 4.080 inches wide by 2.670 inches deep. Available in light gray (-61) only. Used with a variety of station equipment in AUTOVON.

Comcode: 101 128 452

1066A4BW-61: Same as 1066A3AW-61 except it is equipped with a 66A4B Dial which provides illuminated buttons.

Comcode: 101 128 478

1066D4BW-61: Similar to 1066A4BW-61 except it is equipped with a 66D4B Dial and an M12M-61 Cord having a connector which is used to connect the dial to a key telephone system console in AUTOVON.

Comcode: 101 001 220