

## KS-19594 DIALER TELEPHONE SETS EQUIPPED WITH ROTARY DIALS CONNECTIONS

### 1. GENERAL

1.01 This section is reissued to:

- Add 800 series telephone sets to Table A.

**Note:** Refer to appropriate sections for connections to TOUCH-TONE® dial equipped telephone sets and switchboard and miscellaneous key equipment in Division 512.

Changes or additions to the body of tables are indicated by shaded areas.

### 2. CONNECTIONS



*The power supply cord should not be connected to the AC power line receptacle when removing the housing or making any connections.*

2.01 **Power Supply Unit:** Refer to dialer installation section for mounting instructions.

2.02 **Dialer Telephone Cord:**

- Standard six conductor cord
- Secure inside the equipment under a cord clamp or by taping to set mounting cord
- Dress wires to allow proper operation of equipment

2.03 **Dial Pulsing Contacts (red and green cord conductors):**

- Place in series with ring side of line for 200-type telephone sets
- Place in series with the dial pulsing contacts on other type sets

2.04 **Off Normal Contacts (blue and white cord conductors):** Place across receiver contacts in telephone sets.

2.05 **Off Normal Contacts (yellow and black cord conductors):** Place across loudspeaker contacts in speakerphone sets.



*Test the operation of the dialer by recording and calling the telephone number usually called for job completion. For installations with speakerphones, be sure to test with speakerphone operating to insure proper connection to off normal contacts.*

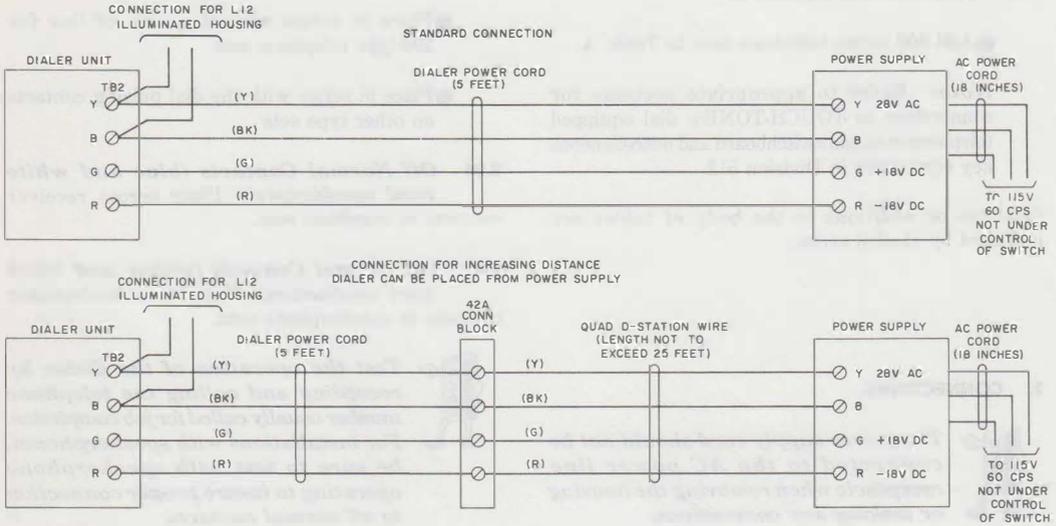
2.06 **Connection Index:**

Table A—Dialer Connections To Telephone Sets Equipped With Rotary Dials

Table B—Dialer Connections to CALL DIRECTOR® Telephone Sets and TRIMLINE® Telephone Sets Equipped With Rotary Dials

Fig. 1—KS-19594 Dialer, Power Supply Connections

KS-1954 DIALER  
TELEPHONE SETS EQUIPPED WITH ROTARY DIALS  
CONNECTIONS



**Fig. 1 — KS-1954 Dialer, Power Supply Connections**

TABLE A

DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		200 SERIES		300 SERIES		
		ALL 200 SERIES EXCEPT THOSE LISTED AT THE RIGHT AND THE TRIMLINE SETS	200 SERIES TEL SETS USING 685A SUBSCRIBER SETS	ALL 300 SERIES EXCEPT 329C, 332C, 334C	329C	332C, 334C
P U L S I N G	R	Move R inside wire from L1 of subscriber set to GRD terminal of subscriber set and Connect R of dialer tel cord to GRD term. of sub set	Remove R inside wire from term. L2 of subscriber set and Connect to R of dialer tel cord with D-161488 connector	Remove BR-Y or 4 lead from term. on dial and		
	G	L1 of subscriber set	L2 of subscriber set	Y terminal on dial		
O F F - N O R M A L	W	GN term. of induction coil in subscriber set	GN term. of network in subscriber set	GN term. on induction coil	Term. 2 on term. strip in subscriber set	E post on ringer term. strip
	BL	R term. of induction coil in subscriber set	B term. of network in subscriber set	R term. on induction coil	Term. 14 on term. strip in subscriber set	R term. on induction coil
S P E A K E R P H O N E	Y	Insulate and store in subscriber set	Term. 1 of term. strip in subscriber set	Insulate and store in tel. set		
	BK	Insulate and store in subscriber set	G term. of network in subscriber set	Insulate and store in tel set		

TABLE A (Cont)

## DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		400 SERIES			500 SERIES		
		ALL 400 SERIES EXCEPT THOSE LISTED AT RIGHT	440 AND 460 SERIES (4- AND 6- BUTTON SETS)	462AC 466AC	ALL 500 SERIES EXCEPT THOSE LISTED BY CODE	500E 500F 501F	500R 500S
P U L S I N G	R	Remove BR-Y lead from term. Y on dial,  and	Remove G lead from L2Y term. on in- duction coil,  and	Remove R lead of D9D or D15B cord from L1 on term. strip, and	Remove BL dial lead from F term. of network,  and	Remove W lead from F term. of network;  and	Remove BL dial lead from F term. of network and
		Connect to R of dialer tel cord with D-161488 connector			Connect to R of dialer tel cord with D-161488 connector		
	G	Y term. on dial	L2Y term. on induction coil	L1 term. on term. strip	F term. of network		
O F - N O R M A L	W	GN term. on induction coil		W term. on dial	GN term. of network		
	BL	R term. on induction coil		R term. of network			
S P E A K E R P H O N E	Y	Insulate and store in tel set			Insulate and store in tel set		Term. 1 of term. strip
	BK	Insulate and store in tel set			Insulate and store in tel set		Term. 6 of term. strip

TABLE A (Cont)

## DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		500 SERIES (Cont)					
		500AB 500AD	511C 511D 558D	558F	511F 511H	514B	532A, B 533A, B
P U L S I N G	R	Remove BL dial lead from F term. of network and Connect to R of dialer tel cord with D-161488 connector					
	G	F term. of network					
O F - N O R M A L	W	Term. 9 of the TB1 term. strip	GN term. of network	GN term. of network	GN term. of network	Term. 8 of the term. strip	R term. of network
	BL	Term. 10 of the TB1 term. strip	R term. of network	R term. of network	R term. of network	Term. 11 of the term. strip	W term. of the 151B amplifier
S P E A K E R P H O N E	Y	Term. 14 of the TB1 term. strip	Term. 11 of the term. strip	Term. 8 of the term. strip	Term. 4 of the term. strip	Insulate and store	W term. of the 151B amplifier
	BK	Term. 15 of the TB1 term. strip	Term. G of the term. strip	Term. 12 of the term. strip	Term. 8 of the term. strip	Insulate and store	V term. of the 151 amplifier

TABLE A (Cont)

## DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		500 SERIES (Cont)					
		535A, B	536A, B	544B, 545B 564H, 565B, E, H, L 565HB, 566MB	566MD	563HB	565G
P U L S I N G	R	Remove BL dial lead from F terminal of network and Connect to R of dialer cord with D-161488 connector					
	G	F term. of network					
O F F - N O R M A L	W	R term. of the network	GN term. of the network	GN term. of the network	GN term. of the network	1 term. of the 241A amplifier	GN term. of the network
	BL	W term. on the 151B amplifier	R term. of the network	R term. of the network	R term. of the network	8 term. of the term. strip	R term. of the network
S P E A K E R P H O N E	Y	L term. on the 151B amplifier	L term. on the 151B amplifier	●N term. of the term. strip	Term. 15 on the key term. strip	Insulate and store	●N term. of the term. strip
	BK	V term. on the 151B amplifier	V term. on the 151B amplifier	●N1 term. of the term. strip	Term. 16 on the key term. strip	Insulate and store	Connect to ●-W mtg. cord conductor with a D-161488 connector

TABLE A (Cont)

## DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD	500 SERIES (Cont)				700 SERIES		
	565GK 565HK 565LK	568HB	568HF	568HR	701B/D	702B	
P U L S I N G	R	Remove BL lead from F terminal of network and Connect to R of dialer cord with D-161488 connector.				Remove BL dial lead from F term. of the network, and Connect to R of dialer tel cord with D-161488 connector	
	G	F term. of network				F term. of network	
O F F - N O R M A L	W	GN term. of the network	2 term. of the term. strip	10 term. of the term. strip	9 term. of the term. strip	GN term. of the network	
	BL	R term. of the network	4 term. of the term. strip	12 term. of the term. strip	10 term. of the term. strip	R term. of the network	
S P E A K E R P H O N E	Y	Term. 7 of the 589 or 636-type key term. strip	ON term of the term. strip	Term. 7 of the 589- or 636-type key term. strip		5 term. of the E1 ringer	1 term. of the 44A conn. block
	BK	Term. 8 of the 589- or 636-type key term. strip	ON1 term. of the term. strip	Term 8 of the 589- or 636-type key term. strip		6 term. of the E1 ringer	2 term. of the 44A conn. block

TABLE A (Cont)

DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		700 SERIES (Cont)				800 SERIES	
		702D 711B 712B* 713B	750A/B† 751A/B 754A/B	750A/B‡ 751C/D 753B	752A/B	830A1M 831A1M 851A1M	
P U L S I N G	R	Remove BL dial lead from F terminal on network and Connect to R of dialer cord with D-161488 connector					
	G	F term. on network					
O F F - N O R M A L	W	GN term. of network	18 term. on TB1	GN term. on network			
	BL	R term. of network	14 term. on TB1	R term. on network			
S P E A K E R P H O N E	Y	Insulate and store in tel set		7 term. of term. strip	30 term. of term. strip 830A1M, 831A1M		
					15 term. of term. strip 851A1M		
	BK	Insulate and store in tel set		8 term. of term. strip	24 term. of term. strip 830A1M, 831A1M		
					17 term. of term. strip 851A1M		

\* Increase depth of housing mounting cord entrance hole 1/16-inch using a 3-1/2-inch half-round file.

† Early model.

‡ Current production.

TABLE B

DIALER CONNECTIONS TO *CALL DIRECTOR* TELEPHONE SETS AND *TRIMLINE* TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD	ALL 600 SERIES EXCEPT THOSE LISTED BY CODE	608A 618A	608C 618B	610A	623A	630 631 632 634 635	636A 637A
P U L S T I N G	R	Remove BL dial lead from F on the network  and		Remove Y dial lead from 6 on term. strip TS2  and	Remove BL dial lead from F on the network  and		
	Connect to R of dialer tel cord with D-161488 connector						
	G	F term. on the network		Term. 6 on term. strip TS2	F term. on the network		
O F F - N O R M A L	W	GN term. on the network	Term. 4 on term. strip TB3	Term. 5 on the 241A amplifier	Term. 1 on term. strip TS2	GN term. on the network	Term. 4 on term. strip TB1
	BL	R term. on the network	Term. 6 on term. strip TB3	L1 term. on the network	Term. 2 on term. strip TS2	R term. on the network	L1 term. on the network
S P E A R P H O N E	Y	W term. on the dial	Term. 7 on term. strip TB3	Term. 4 on term. strip TB1	Insulate and store in tel set		Term. 11 on the term. block  Insulate and store in tel set
	BK	BB term. on the dial	Term. 8 on term. strip TB3	Term. 5 on term. strip TB1	Insulate and store in tel set		Term. 12 on the term. block  Insulate and store in tel set

TABLE B (Cont)

DIALER CONNECTIONS TO *CALL DIRECTOR* TELEPHONE SETS AND *TRIMLINE* TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		CALL DIRECTOR SETS		TRIMLINE SETS
		636B 637C 638B 639C	636C 637D 638C 639D	220 HAND TEL SET
P U L S I N G	R	Remove BL lead from F on the network and Connect to R of dialer tel cord with D-161488 connector		Connect to G of inside wire (one side of CO line) at suitable connecting block. Disconnect G of D5AL mounting cord.
	G	F on the network		Connect to G of D5AL mounting cord at spare connecting block terminal, or use D-161488 con- nector
O F F - N O R M A L	W	Term. 3 on term. board TB1	Term. 1 on the 241A amplifier	Connect to G of D5AL mounting cord and G of dialer tel cord.
	BL	L1 on the network		Connect to R of D5AL mounting cord and to R of inside wire at connecting block term.
S P E A K E R P H O N E	Y	Insulate and store		Insulate and store at connecting block
	BK	Insulate and store		Insulate and store at connecting block