

KS-19594 DIALER

TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

CONNECTIONS

1. GENERAL

1.01 This section is reissued to:

- Add 630DA, 631DA, 636CA, and 637DA telephone sets, Table B.
- Add 832- and 833-type telephone sets, 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.

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

SECTION 512-125-400

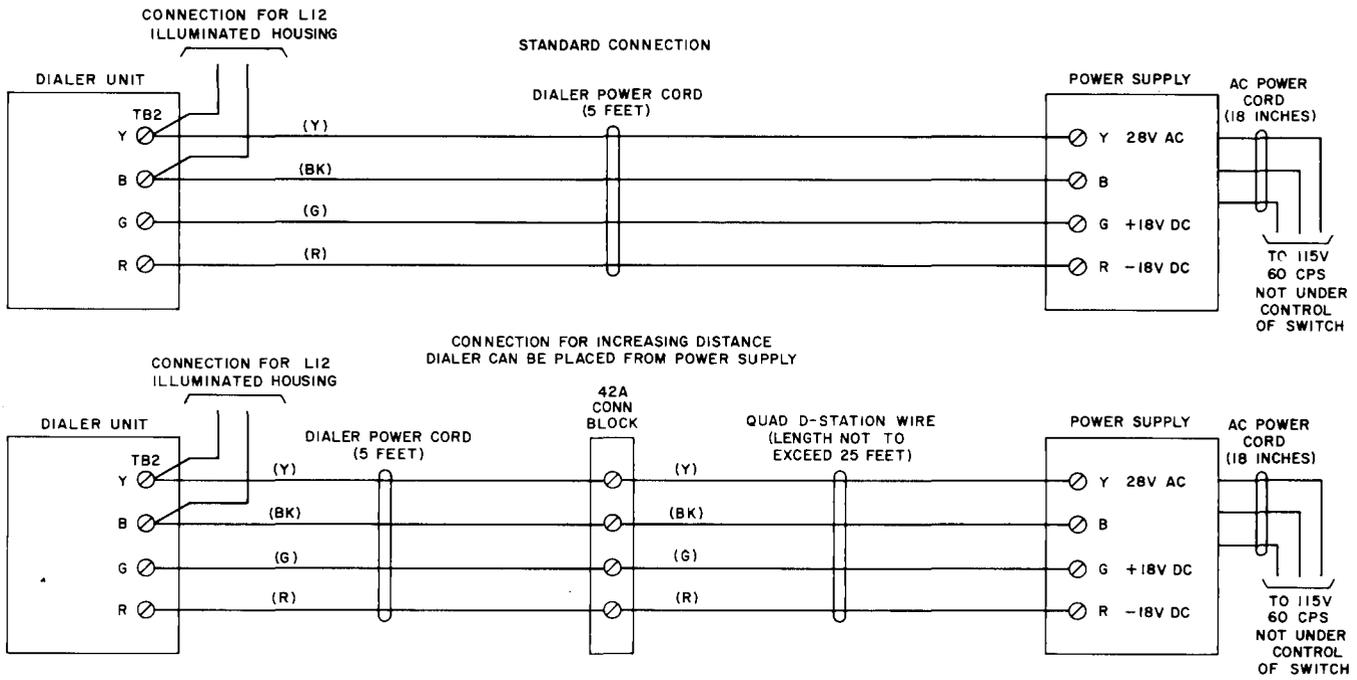


Fig. 1—KS-1954 Dialer, Power Supply Connections

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 <i>TRIMLINE</i> SETS	200 SERIES TEL SETS USING 685A SUB- SCRIBER 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 sub- scriber set and Connect to R of dialer tel cord with D-161488 connector	Remove BR-Y or lead from term. 4 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	Term. GN of induction coil in subscriber set	Term. GN of network in subscriber set	Term. GN on induction coil	Term. 2 on term. strip in subscriber set	E post on ringer term. strip
	BL	Term. R of induction coil in subscriber set	Term. B of network in subscriber set	Term. R on induction coil	Term. 14 on term. strip in subscriber set	Term. R 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	Term. G 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 Connect to R of dialer tel cord with D-161488 connector	Remove G lead from term. L2Y on in- duction coil, and	Remove R lead of D9D or D15B cord from L1 on term. strip, and	Remove BL dial lead from term. F of network, and	Remove W lead from term. F of network; and	Remove BL dial lead from term. F of network and
	G	Term. Y on dial	Term. L2Y on induction coil	Term. L1 on term. strip	Term. F of network		
O F F - N O R M A L	W	Term. GN on induction coil		Term. W on dial	Term. GN of network		
	BL	Term. R on induction coil			Term. R 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 term. F of network and Connect to R of dialer tel cord with D-161488 connector					
	G	Term. F of network					
O F - N O R M A L	W	Term. 9 of the TB1 term. strip	Term. GN of network	Term. GN of network	Term. GN of network	Term. 8 of the term. strip	Term. R of network
	BL	Term. 10 of the TB1 term. strip	Term. R of network	Term. R of network	Term. R of network	Term. 11 of the term. strip	Term. W 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	Term. W 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	Term. V of the 151-type 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 term. F of network and Connect to R of dialer tel cord with D-161488 connector					
	G	Term. F of network					
O F - N O R M A L	W	Term. R of the network	Term. GN of the network	Term. GN of the network	Term. GN of the network	Term. 1 of the 241-type amplifier	Term. GN of the network
	BL	Term. W on the 151B amplifier	Term. R of the network	Term. R of the network	Term. R of the network	Term. 8 of the term. strip	Term. R of the network
S P E A K E R P H O N E	Y	Term. L on the 151B amplifier	Term. L on the 151B amplifier	Term. ON of the term. strip	Term. 15 on the key term. strip	Insulate and store	Term. ON of the term. strip
	BK	Term. V on the 151B amplifier	Term. V on the 151B amplifier	Term. ON1 of the term. strip	Term. 16 on the key term. strip	Insulate and store	Connect to O-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	568HT	701B/D	
P U L S I N G	R	Remove BL lead from term. F of network and Connect to R of dialer tel cord with D-161488 connector			Remove G dial lead from 2 on the term. strip and	Remove BL dial lead from term. F of the network, and Connect to R of dialer tel cord with D-161488 connector	
	G	Term. F of network			Term. 2 on term. strip	Term. F of network	
O F F N O R M A L	W	Term. GN of the network	Term. 2 of the term. strip	Term. 10 of the term. strip	Term. 9 of the term. strip	Term. 3 on term. strip	Term. GN of the network
	BL	Term. R of the network	Term. 4 of the term. strip	Term. 12 of the term. strip	Term. 10 of the term. strip	Term. 4 on term. strip	Term. R 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	Term. ON of the term. strip	Term. 7 of the 589- or 636-type key term. strip		Term. ON on term. strip	Term. 5 of the E1 ringer
	BK	Term. 8 of the 589- or 636-type key term. strip	Term. ON1 of the term. strip	Term. 8 of the 589- or 636-type key term. strip		Term. ON1 on term. strip	Term. 6 of the E1 ringer

◆ TABLE A (Cont) ◆

DIALER CONNECTIONS TO TELEPHONE SETS EQUIPPED WITH ROTARY DIALS

KS-19594 DIALER TEL CORD	700 SERIES (Cont)					800 SERIES
	702B	702D 711B 712B* 713B	750A/B† 751A/B 754A/B	750A/B‡ 751C/D 753B	752A/B	830A1M, 832-TYPE 831A1M, 833-TYPE 851A1M
P U L S I N G	R	Remove BL dial lead from term. F on network and Connect to R of dialer tel cord with D-161488 connector				
	G	Term. F on network				
O F F N O R M A L	W	Term. GN of network		Term. 13 on TB1		Term. GN on network
	BL	Term. R of network		Term. 14 on TB1		Term. R on network
S P E A K E R P H O N E	Y	Term. 1 of the 44A conn. block	Insulate and store in tel set	Term. 7 of term. strip	Term. 30 of term. strip 830A1M, 831A1M, 832-type, 833-type	
					Term. 15 of term. strip 851A1M	
	BK	Term. 2 of the 44A conn. block	Insulate and store in tel set	Term. 8 of term. strip	Term. 24 of term. strip 830A1M, 831A1M, 832-type, 833-type	
					Term. 17 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 I N G	R	Remove BL dial lead from F on the network and		Remove Y dial lead from term. 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	Term. F on the network		Term. 6 on term. strip TS2	Term. F on the network			
O F F - N O R M A L	W	Term. GN on the network	Term. 4 on term. strip TB3	Term. 5 on the 241-type amplifier	Term. 1 on term. strip TS2	Term. GN on the network		Term. 4 on term. strip TB1
	BL	Term. R on the network	Term. 6 on term. strip TB3	Term. L1 on the network	Term. 2 on term. strip TS2	Term. R on the network		Term. L1 on the network
S P E A K E R P H O N E	Y	Term. W 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	Term. BB 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 WITH ROTARY DIALS

KS-19594 DIALER TEL CORD		CALL DIRECTOR SETS			
		636B 637C 638B 639C	636C 637D 638C 639D	630DA 631DA	636CA 637DA
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		Remove BL lead from F on the network and Connect to R of dialer tel cord with D-161488 connector	
	G	F on the network		F on the network	
O F F - N O R M A L	W	Term. 3 on term. board TB1	Term. 1 on the 241-type amplifier	GN on network	L1 on network
	BL	L1 on the network		R on network	Term. 1 on 241B amp
S P E A K E R P H O N E	Y	Insulate and store		Insulate and store	
	BK	Insulate and store		Insulate and store	

◆ TABLE B (Cont) ◆

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

KS-19594 DIALER TEL CORD		<i>TRIMLINE</i> SETS	
		220 HAND TEL SET	
P U L S I N G	R	Connect to G of inside wire (one side of CO line) at suitable connecting block. Disconnect G of D5AL mounting cord.	
	G	Connect to G of D5AL mounting cord at spare connecting block terminal, or use D-161488 connector	
O F - N O R M A L	W	Connect to G of D5AL mounting cord and G of dialer tel cord	
	BL	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 at connecting block	
	BK	Insulate and store at connecting block	