

F-58556 STATION DIAL

1. GENERAL

1.01 The F-58556 dial is intended for use with any standard rotary dial telephone set to provide for manual and automatic TOUCH-TONE® signaling.

1.02 The F-58556 dial is similar to the 1036E type dial except the dial cards are a smaller size and have rectangular holes, and the card dial is designed for long life use. The dial mechanism is contained in a standard nonkey set housing and is intended for use as an adjunct where TOUCH-TONE service is not yet available.

2. IDENTIFICATION

Ordering Guide

Dial, F-58556-*

2.01 Replaceable Components:

- Cord, Mounting, D14M-*
- Dial, F-58553
- Network, 185A†
- P-13E363 Card Index Set (9 cards)
- (2) 840360564 Card Sets supplied with dial (40 cards) (or customer's machine punched card)
- P-83E6* Housing Assembly
- Faceplate (see Table A)
- P-26E165 Card Retainer

* Add appropriate color suffix from Table A.

† Shipped loose with F-58556 dial.

2.02 Design Features:

- Uses either codable or prepunched cards with rectangular holes
- TOUCH-TONE dial and card dialer combination
- Used with rotary set for end-to-end signaling
- Equipped with polarity guard to assure operation in case of line reversals, and for surge protection
- Common switch suitable for speakerphone operation (can be used with speakerphone only if the associated station line switch contains three make contacts)
- Manual dialing while a card is in a stop position
- 2- and 4-wire operation of the associated telephone set

2.03 Application: For use in conjunction with a standard rotary dial telephone set.

3. CONNECTIONS

3.01 Refer to Fig. 1 through 4 for typical connections to the dial.

4. MAINTENANCE

4.01 Maintenance is limited to checking all connections or replacement of the items listed under replaceable components.



If trouble is experienced with false signals being transmitted due to voice conversation pickup, use push-to-talk handset or exclusion switch to provide for transmitter cutoff. Connect the transmitter circuit through a contact of the exclusion switch so that the circuit is open when the exclusion switch is operated. Refer to section entitled, Telephone Sets Modified for Transmitter Cutoff Using Exclusion Switch, Identification and Connections in Division 501.

**TABLE A
COLOR ORDERING GUIDE**

DIAL COLOR	SUFFIX	COORDINATED COLOR	FACEPLATE PIECE PART
Black	-03	Charcoal	840172704
Ivory	-50	Muted Ivory	840172803
Green	-51	Lt. Green	840172712
Red	-53	Muted Red	840172696
Yellow	-56	Lt. Yellow	840172720
White	-58	Lt. Gray	840172738
Rose Pink	-59	Muted Pink	840172746
Lt. Beige	-60	Muted Beige	840172753
Lt. Gray	-61	Charcoal	840172704
Aqua Blue	-62	Muted Blue	840172761
Turquoise	-64	Muted Turquoise	840172779

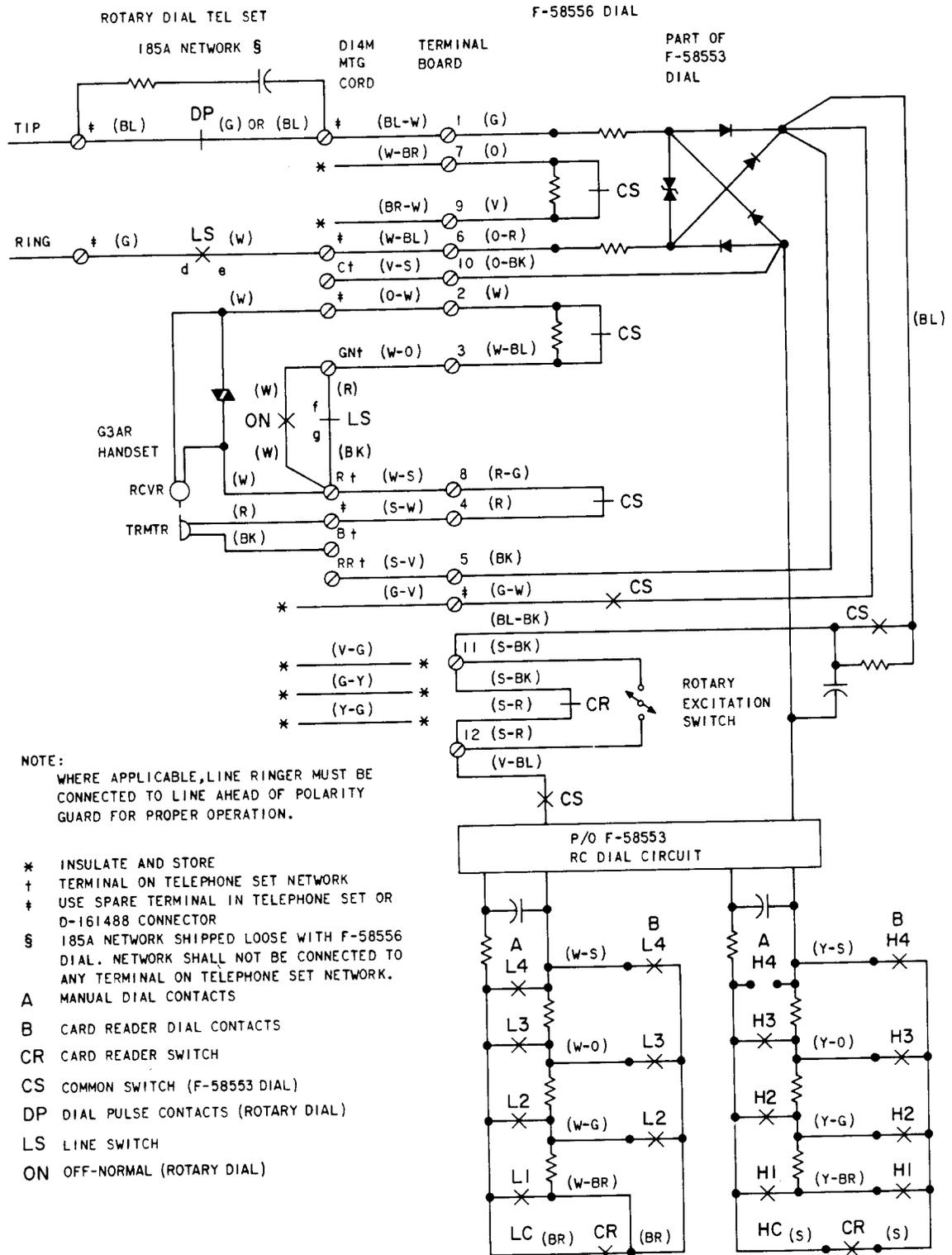
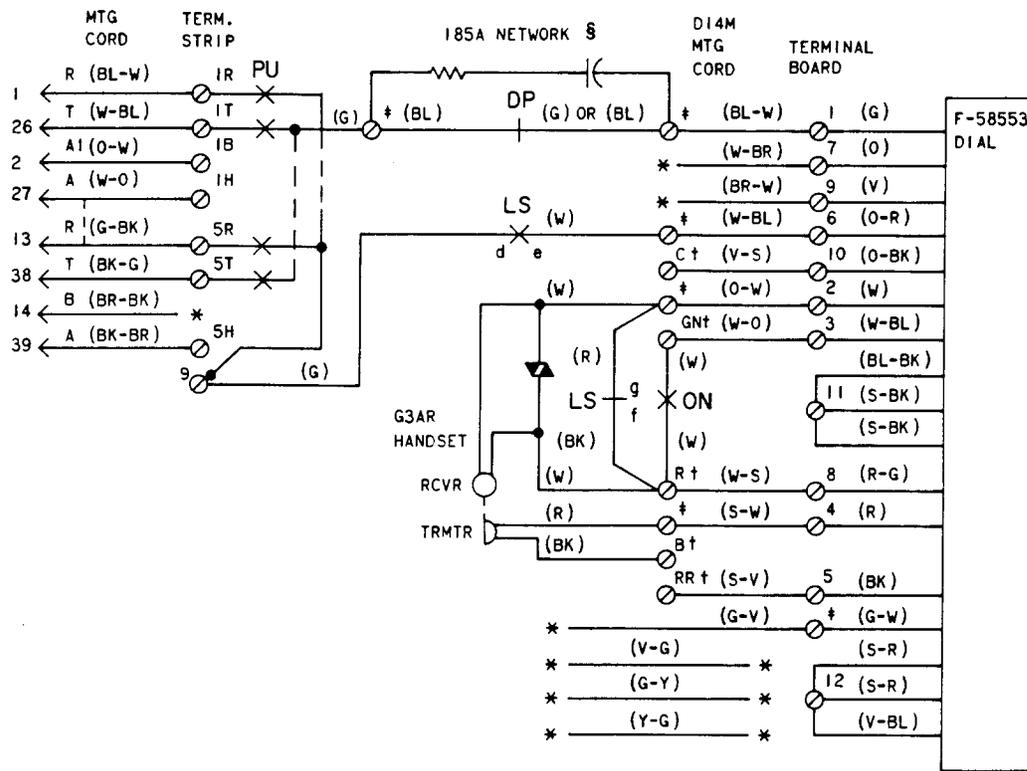


Fig. 1—F-58556 Dial, Typical Connections to Nonkey Telephone Set

565HK TELEPHONE SET (SEE NOTE)

F-58556 DIAL



NOTE:

MODIFY 565HK TELEPHONE SET AS FOLLOWS:

- (A) REMOVE (W) LINE SWITCH LEAD FROM C OF NETWORK AND CONNECT TO (W-BL) LEAD OF DIAL.
- (B) REMOVE (G) KEY LEAD FROM F OF NETWORK AND CONNECT TO (BL) ROTARY DIAL LEAD AND LEAD FROM 185A NETWORK.
- (C) REMOVE (G OR BL) ROTARY DIAL LEAD FROM RR OF NETWORK AND CONNECT TO (BL-W) DIAL LEAD AND LEAD FROM 185A NETWORK.
- (D) REMOVE (R) LINE SWITCH LEAD AND (W) HANDSET LEAD FROM GN OF NETWORK AND CONNECT TO (O-W) LEAD OF DIAL.
- (E) REMOVE (R) HANDSET LEAD FROM R OF NETWORK AND CONNECT TO (S-W) LEAD OF DIAL.
- (F) CONNECT BALANCE OF DIAL LEADS AS SHOWN.

* INSULATE AND STORE

† TERMINAL ON TELEPHONE SET NETWORK

‡ USE SPARE TERMINAL IN TELEPHONE SET OR D-161488 CONNECTOR

§ 185A NETWORK SHIPPED LOOSE WITH F-58556 DIAL. NETWORK SHALL NOT BE CONNECTED TO ANY TERMINAL ON TELEPHONE SET NETWORK.

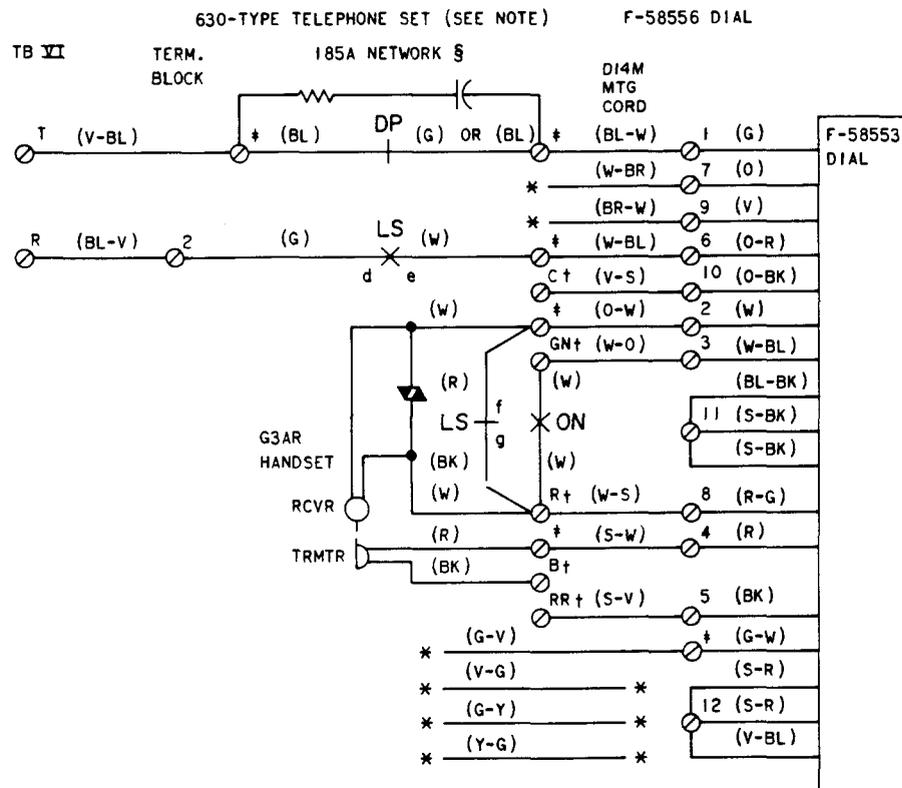
DP DIAL PULSE CONTACTS

LS LINE SWITCH

ON OFF-NORMAL (ROTARY DIAL)

PU PICKUP KEY

Fig. 2—F-58556 Dial, Connections to 565HK Telephone Set



NOTE:

MODIFY 630-TYPE TELEPHONE SET AS FOLLOWS:

- (A) REMOVE (W) LINE SWITCH LEAD FROM C OF NETWORK AND CONNECT TO (W-BL) LEAD OF DIAL.
- (B) REMOVE (BL) ROTARY DIAL LEAD AND (V-BL) STRAP FROM F OF NETWORK AND CONNECT TO LEAD OF 185A NETWORK.
- (C) REMOVE (G) OR (BL) ROTARY DIAL LEAD FROM RR OF NETWORK AND CONNECT TO (BL-W) DIAL LEAD AND LEAD FROM 185A NETWORK.
- (D) REMOVE (R) LINE SWITCH LEAD AND (W) HANDSET LEAD FROM GN OF NETWORK AND CONNECT TO (O-W) LEAD OF DIAL.
- (E) REMOVE (R) HANDSET LEAD FROM R OF NETWORK AND CONNECT TO (S-W) OF DIAL.
- (F) CONNECT BALANCE OF DIAL LEADS AS SHOWN.

* INSULATE AND STORE

† TERMINAL ON TELEPHONE SET NETWORK

‡ USE TERMINAL IN TELEPHONE SET OR D-161488 CONNECTOR

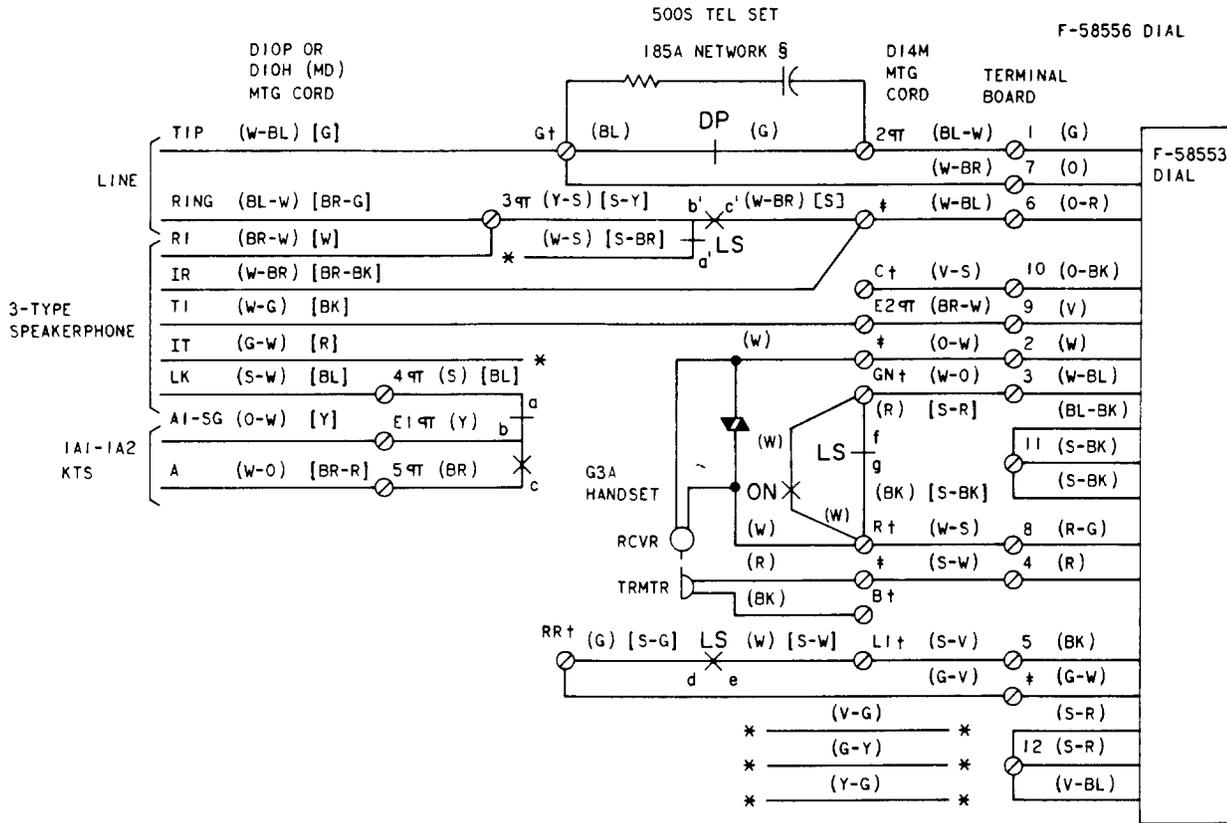
§ 185A NETWORK SHIPPED LOOSE WITH F-58556 DIAL. NETWORK SHALL NOT BE CONNECTED TO ANY TERMINAL ON TELEPHONE SET NETWORK.

DP DIAL PULSE CONTACTS

LS LINE SWITCH

ON OFF-NORMAL (ROTARY DIAL)

Fig. 3—F-58556 Dial, Connections to 630-Type Telephone Set



NOTES:

1. MODIFY 500S TELEPHONE SET AS FOLLOWS:
 - (A) REMOVE (w) [S-w] LINE SWITCH LEAD FROM RR OF NETWORK AND CONNECT TO LI OF NETWORK. ALSO CONNECT (S-v) DIAL LEAD TO LI OF NETWORK.
 - (B) REMOVE (G) [S-g] LINE SWITCH LEAD FROM E2 OF TERMINAL STRIP AND CONNECT TO RR OF NETWORK.
 - (C) REMOVE (W-BR)[S] LINE SWITCH LEAD FROM C OF NETWORK AND CONNECT TO (W-BL) LEAD OF DIAL.
 - (D) REMOVE (W-S) [S-BR] LINE SWITCH LEAD FROM 2 OF TERMINAL STRIP, INSULATE AND STORE.
 - (E) REMOVE (BL) ROTARY DIAL LEAD FROM F OF NETWORK AND CONNECT TO G OF NETWORK.
 - (F) REMOVE (G) ROTARY DIAL LEAD FROM E2 AND CONNECT TO 2 OF TERMINAL STRIP.
 - (G) REMOVE (W) HANDSET LEAD FROM GN OF NETWORK AND CONNECT TO (O-w) DIAL LEAD.
 - (H) REMOVE (R) HANDSET LEAD FROM R OF NETWORK AND CONNECT TO (S-w) DIAL LEAD.
2. CONNECT BALANCE OF DIAL LEADS AS SHOWN.
3. FOR CONNECTIONS TO SPEAKERPHONE SYSTEM REFER TO APPROPRIATE SECTION IN DIVISION 512.

- () CURRENT COLOR CODE
- [] MD COLOR CODE
- * INSULATE AND STORE
- † TERMINAL ON TELEPHONE SET NETWORK
- ‡ USE SPARE TERMINAL IN TELEPHONE SET OR D-161488 CONNECTOR
- § 185A NETWORK SHIPPED LOOSE WITH F-58556 DIAL. NETWORK SHALL NOT BE CONNECTED TO ANY TERMINAL ON TELEPHONE SET NETWORK
- ¶ TERMINAL ON TELEPHONE SET TERMINAL STRIP
- DP DIAL PULSE CONTACTS
- LS LINE SWITCH
- ON OFF-NORMAL (ROTARY DIAL)

Fig. 4—F-58556 Dial, Connections to 500S Telephone Set With Speakerphone