

JAN 22 1968

STATION DIAL

NE1035B3QA

IDENTIFICATION AND CONNECTIONS

1. GENERAL

1.01 This section contains identification and connection information for the NE1035-B3QA station dial. This dial is intended for small scale data transmission applications and should not be used for TOUCH-TONE telephone service.

1.02 This section is reissued to provide detailed instructions for connecting the NE1035B3QA station dial to 500-, 502-, 564 and 565-type telephone sets and to the 634A call director.

1.03 The NE1035B3QA dial consists of a 12-button 35B3 dial, polarity guard, terminal board and a D16Q-51 cord; all of which are contained in a molded plastic housing. (See Fig. 1)



1.04 In addition to the regular buttons usually found on a TOUCH-TONE dial, the 35B3 dial has two special service buttons. These buttons are located on the lower left and the lower

right on the dial and are marked with an asterisk (\*) and a number symbol (#), respectively.

1.05 The NE1035B3QA dial is available in green (-51) only.

1.06 The D16QB-51 cord is used to connect the dial to various telephone sets. This cord is one foot in length and extends its leads an additional 10 inches. Spade tipped leads are available at both ends. If spare terminals are not available, the D-161488 connector should be used as a terminating point. The colour of the connecting cord is available in green (-51) only.

1.07 The NE1035B3QA dial is intended for use with the customer's regular rotary dial telephone. The telephone is used to establish a connection between the transmitting and receiving end. An exclusion key must be provided on the telephone if a 401-type data set is used at the receiving station. With an exclusion key on the telephone, the transmitter circuit of the telephone must be connected through a contact on the exclusion switch assembly. Hence, after the call has been established, the operator must lift the exclusion key, thus preventing false signals due to voice conversation, from being transmitted. If a 403-type data set is used, an exclusion key is not required and the operator may go directly from voice communication to data transmission.

1.08 Modification of the housing of some telephone sets may be required. This can be accomplished by enlarging the hole on the telephone set in order for both the telephone mounting cord and the mounting cord of the NE1035B3QA to go easily through the hole.

2. CONNECTIONS

2.01 The schematic of the NE1035B3QA station dial, which is shown in Fig. 2, shows typical connections of the NE1035B3QA dial to a standard telephone set. Terminating points will

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vary between telephone sets however, Fig. 2 should serve as a guide for the set involved.

**2.02** If an exclusion key is required, the telephone transmitter circuit must be connected through a contact of the exclusion switch assembly.

**2.03** Tables A, B, C, D and E provide information for connecting the NE1035B3QA

station dial to 500-, 502-, 564- and 565-type telephone sets and to the 634A call director.

**3. TEST PROCEDURES**

**3.01** For testing information, refer to BSP Section 594-800-903CA on Station Dials NE1035B3QA and 1036E.

**TABLE A**  
**CONNECTIONS OF STATION DIAL TO 500C, D TELEPHONE SETS**

LEAD OR WIRE		REMOVE FROM		CONNECT TO		INSULATE & STORE
		NETWORK	TERMINAL STRIP	NETWORK	TERMINAL STRIP *	
500C, D TELEPHONE SETS	G	RR			1	
	R	R			2	
	W (Handset)	R			3	
	G	L1			4	
	R	L2			5	
	R	L2			5	
	S-W	F		L2		
NE1035B3QA STATION DIAL	BL-W				1	
	Y-BR			RR		
	BR-W			R		
	O-R				3	
	S-R				2	
	W-BL			B		
	R-O			L2		
	V-O			L1		
	O-V				5	
	S-Y			F		
	Y-S				4	
	W-BR					X
	R-S					X
	BK-BL					X
BL-BK					X	
BR-Y					X	

\* **Note** : A P338886 Terminal Strip Assembly must be added to this telephone before the station dial can be connected.