COMMON LANGUAGE

STANDARD CODING PROCEDURES

EQUIPMENT IDENTIFICATION

TERMINATING AND SIGNALING EQUIPMENT

CONTENTS PAGE

1. GENERAL

1.01 This section describes the standard procedure used to identify terminating and signaling equipment by means of distinctive codes. These codes may be used for circuit design, circuit layout, estimating, ordering, assigning, and inventory control.

1.02 The information in this section supersedes related information in the E14.001 series, and it is therefore planned that certain sections of the E14.001 series will eventually be cancelled. This section is reissued to update the equipment code tables, including the changes published in Issue 1 of the replacing page addendum dated April, 1967. Since this reissue covers a general revision, arrows ordinarily used to indicate changes have been omitted.

2. EQUIPMENT CODE PLAN

2.01 The equipment identification code consists of ten characters. Characters one to seven present a concise summary of standard circuit capabilities in coded form. The eighth character identifies the schematic diagram or equipment reference. Characters nine and ten may be used by Operating Companies as described in Part 3.

2.02 The code plan has been applied to trunk terminating and signaling equipment currently rated as Standard, and to A & M and MD rated equipment that has been installed in quantity or is in general use.

3. EQUIPMENT CODE STRUCTURE

3.01 The standard 10-character equipment identification code is comprised of four components; characters 1 to 4 — Basic Code, characters 5 to 7 — Features, character 8 — Reference, and characters 9 and 10 — Local Conditions. Any character position may be occupied by either an alphabetical or a numerical character. The complete code format is shown in Fig. 1.

3.02 The Basic Code structure is as follows:

(a) ***Character Positions 1 and 2 — Equipment Family:*** The equipment family code consists of two characters. The code is suggestive of the equipment type being coded. For example, equipment in the signal converter family is coded SC.

(b) ***Character Positions 3 and 4 — Equipment Subfamily:*** The equipment subfamily code consists of two characters which show the category within an equipment type. This code is suggestive of the equipment category being coded. For example, loop-to-E-and-M signaling is coded LE and occupies character positions 3 and 4. Therefore, the basic code for a

CODING DATA	EQUIPMENT FAMILY	EQUIPMENT SUBFAMILY	FEATURES	REFERENCE	LOCAL CONDITIONS
Character Positions	1 and 2	3 and 4	5 to 7	8	9 and 10

Fig. 1 — Format for Equipment Identification Code

loop-to-E-and-M signal converter is SCLE, and it occupies character positions 1 to 4.

3.03 ***Character Positions 5 to 7 — Features:*** Three characters are used to identify the optional circuit features available with a basic equipment code. Codes for these characters are listed in the Encoder-Option Tables (Part 5) which are arranged to prevent selection of incompatible features.

3.04 ***Character Position 8 — Reference:*** This position is occupied by a one-character code that identifies the reference (usually a schematic) used to describe the function indicated by the basic code. The entries for character position 8 are as follows:

ENTRY	TYPE OF REFERENCE
A to Z	Standard Equipment Units
1 to 5	Operating Company drawings
6 to 9 and 0	Reserved for future use

Note: Entries 1 to 5 have been allocated for Operating Company and/or outside supplier drawings. The standard codes cover only Bell System drawings and Long Lines drawings which have systemwide application. Since no attempt will be made to code Operating Company drawings, the use of numerals 1 to 5 in character position 8 will form a code for nonstandard equipment.

3.05 ***Nonstandard Codes:*** Provisions have been made to enable an Operating Company to code nonstandard equipment, using the standard code format. These nonstandard codes are described in 3.06 to 3.08. Coding of nonstandard drawings is covered in 3.04.

3.06 ***Character Positions 9 and 10 — Local Conditions:*** Two characters may be used in this space for Operating Company coding of nonstandard features or other characteristics specific to a particular application. Data placed in these character positions is valid only for use within a company.

3.07 ***Nonstandard Basic Codes:*** Additional codes may be required for Operating Company coding of nonstandard equipment. The letter Q should be placed in any of the character positions 3 through 7 of such codes to avoid mistaking them with the standard codes. These Q codes are immediately recognizable as being peculiar to an Operating Company, and they are valid only for use within that Company.

3.08 ***Abbreviated Codes:*** When complete equipment information is not available, or when a short code is preferred, an Operating Company may choose to use contractions of the standard codes. Two arrangements for these nonstandard codes are recommended:

(a) The most abbreviated code will consist of the basic code followed by a dash (to indicate missing data) followed by the reference character for the drawing.

Example: SCLE-A

(b) If only a portion of the option code is used, the unused character positions 5, 6, and 7 should contain a dash.

Examples: SCLE2--A

SCLE23-A

3.09 All characters used in applications of the code plan should conform to AT&T Accounting Letter M-251, Section 6, Electronic Data Processing Programming Standards, to provide the following character differentiation:

ALPHABETICAL	NUMERICAL
Ø	0
I	1
Z	2

However, in this section the printed, alphabetic character Z is not printed as indicated above because of adequate distinction between it and the printed numeral 2. However, the alphabetic O is printed as above to distinguish it from the numeral 0.

3.10 In character position 5, 6, or 7 it is often necessary to use a single-character code to designate two or more features. The code character used will be the one shown in the Option Tables as being common to all of the required features. For example (see below), with feature A required (Yes) and feature B not required (No), code character 2 will be used since it is the only character that is common to both conditions.

FEATURES	REQUIRED	CODE
Feature A	Yes	1, 2
	No	3, 4
Feature B	Yes	1, 3
	No	2, 4

4. ORDERING INFORMATION

4.01 When Common Language Equipment Code Orders are placed on Western Electric, the standard code characters shall be provided as follows:

(a) Characters 1 to 7

(b) Character 8, only when requesting Western Electric to provide specific equipment identified by a particular SD or Manufacturing drawing; for example, when specifying particular equipment other than the latest vintage or equipment covered by more than one current drawing.

(c) Characters 9 and 10, only when local conditions are involved. In these cases, a translation of the local conditions should be provided by the Telephone Companies to Western Electric.

4.02 Western Electric will add character 8 when not specified on order input. In addition, Western Electric plans to identify specific equipment furnished within three supplementary character spaces.

4.03 Feedback information, consisting of the standard code plus the Western Electric supplementary characters, is furnished to the Telephone Company.

5. EQUIPMENT CODE TABLES

5.01 Three kinds of equipment code tables are used and explained in (a) through (c).

(a) The Index Table lists the standard codes according to the basic codes.

(1) Digits 1 and 2 represent the "family" of equipment. Digits 3 and 4 represent the "subfamily."

(2) Under the heading CODE DIGIT 5, 6, 7, an "E" entry signifies that the Encoder Options Table must be consulted to determine entries for code digit positions 5, 6, and 7. A "—" under this heading signifies that zeros (000) will appear in code positions 5, 6, and 7. Encoder sheets have also been provided in these cases to maintain continuity in the Encoder Options Table and to reflect codes for drawing references in code digit 8.

(3) Under the heading CODE DIGIT 8, an "*" indicates that more than one current standard identifier applies. In this case, the Encoder Options Table must be consulted to determine the entry for code digit 8. A "—" under this heading signifies that this is a MD code and is not to be used for ordering purposes. A "%" sign indicates that this is a plug-in unit and the Encoder Options

Table should be consulted for drawing reference information.

(b) The Encoder Options Table assigns a code to each optional feature. The fifth, sixth, and seventh characters of the standard code are determined by the choice of options. Character position 8 lists the reference for the basic code. These tables are arranged in alphabetical order according to the characters appearing in code digits 1 through 4. Shaded entries indicate manufacture discontinued items. An asterisk (*) in the Code Column under Code Digit 8 indicates the current standard drawing.

(c) The Conversion Tables are designed as a cross reference showing the relationship between reference information and the code.

(1) Conversion Table 1 provides a translation from schematic diagram (reference) information to 4-character basic codes.

(2) Conversion Table 2 provides a translation from code to schematic diagram, figures, and options. Only those figures and options applicable to the code are shown. Symbols used in this table are explained in the following listing.

(comma), = and
Example: 2, 3, means figures 2 ***and*** 3

(dash) — between entries = or
Example: 104A-104B means 104A network ***or*** 104B

(dash) — (alone as entry) = lack of other figures and options shown in given code column.

Example:	Code Digit 7	Option
	1	—
	2	V

A "V" option equates to a 2 in Code Digit 7. Lack of a V option equates to a 1 in Code Digit 7.

(slant lines) // = a particular figure or option appears more than once.

Example: 1/4/, 3, 4/3/

Figure 1 appears four times, figure 3 appears once, and figure 4 appears three times.

(3) Conversion Table 3 refers to plug-in equipment only and provides a translation from manufacturing drawing or equipment specification (reference) information to 4-character basic code.

(4) Conversion Table 4, providing a translation for plug-in equipment from code to manufacturing drawing and lists or equipment specification information, will be provided later.

INDEX TABLE

BELL SYSTEM MODERNIZED ENGINEERING

CATALOG OF BASIC CODES

CODE DIGIT 12	CODE DIGIT 3	CODE DIGIT 4	DESCRIPTION	CODE DIGIT 567	CODE DIGIT 8
BN			BALANCING NETWORK		
BN	C	0	COMPROMISE	E	G
BN	E	0	EXCHANGE CABLE	E	H
BN	Ø	W	OPEN WIRE	E	H
BN	T	E	TOLL ENTRANCE	E	H
BN	T	0	TOLL CABLE	E	H
BØ			BUILDING-OUT (S)		
BØ	C	0	CAPACITOR	–	*
BR			BRIDGE		
BR	A	T	AUXILIARY—TALKBACK	E	*
BR	J	P	JACK-POTENTIOMETER MONITOR	–	*
BR	J	6	JACK TERMINATION—600 OHMS	–	A
BR	K	L	KEY-LEVEL	–	*
BR	T	6	TERMINATION—600 OHMS	–	A
BR	2	M	2 WIRE—MORE THAN 10 LEGS	E	A
BR	2	3	2 WIRE—3 WAY	E	*
BR	2	4	2 WIRE—4 WAY	E	*
BR	2	5	2 WIRE—5 WAY	E	*
BR	2	6	2 WIRE—6 WAY	E	*
BR	2	7	2 WIRE—7 WAY	E	*
BR	2	8	2 WIRE—8 WAY	E	*
BR	2	0	2 WIRE—10 WAY	–	*
BR	4	4	4 WIRE—4 WAY	E	*
BR	4	6	4 WIRE—6 WAY	E	*
CP			COMPANDOR		
CP	1	A	COMPANDOR—1A	E	A
CX			COMPOSITE		
CX	B	C	BALANCE SET—TYPE C	E	A
CX	B	E	BALANCE SET—TYPE E	E	B
CX	F	6	FILTER—60 CYCLE	E	A
CX	G	S	GROUP EQUIPMENT—SIGNALING	E	A
CX	G	0	GROUP EQUIPMENT—LINE	E	A
CX	S	L	SIGNALING CIRCUIT—LONG RANGE	E	A

INDEX TABLE (Cont)

CODE DIGIT			DESCRIPTION	CODE DIGIT	
12	3	4		567	8
CX	S	P	SIGNALING CIRCUIT—PHANTOM	E	A
CX	S	S	SIGNALING CIRCUIT—SHORT RANGE	E	A
CX	S	0	SIGNALING CIRCUIT—NON-DIAL	E	A
CX	X	C	CX SET—TYPE C	E	A
CX	X	E	CX SET—TYPE E	E	B
DL			DIAL LONG LINE OR LONG TRUNK		
DL	A	T	AUXILIARY TRUNK	E	A
DL	C	P	COMBINED—TRUNK OR STATION PULSE CORRECTION	E	–
DL	C	1	COMBINED—TRUNK OR STATION 10 PPS	E	D
DL	C	2	COMBINED—TRUNK OR STATION 10/20 PPS	E	*
DL	M	I	MOUNTING—STATION IDENTIFIER UNIT	E	A
DL	Ø	E	OFFICE END—E & M SIGNALING	E	A
DL	S	E	STATION END—E & M SIGNALING	E	A
DL	S	I	STATION IDENTIFIER	–	%
DL	S	S	STATION—4/8 PARTY SELECTIVE SIGNALING	E	A
DL	S	V	STATION—TOLL DIVERSION	E	A
DL	T	E	TRUNK—E & M SIGNALING	E	A
DL	T	G	TRUNK—GROUND START	E	A
DL	T	P	TRUNK—PULSE CORRECTION	E	–
DL	T	V	TRUNK—TOLL DIVERSION	E	A
DX			DUPLEX SIGNALING		
DX	S	0	SIGNAL CIRCUIT END	E	A
DX	T	0	TRUNK CIRCUIT END	E	A
ER			E TYPE REPEATER EQUIPMENT		
ER	D	0	DISABLER	E	C
ER	M	0	MOUNTING	E	C
ER	N	L	NETWORK-LINE BUILDING OUT	E	%
ER	0	0	REPEATER	E	P
E6			E6 REPEATER BAY		
E6	B	D	BAY-WITH DISABLERS	E	A
E6	B	0	BAY-WITHOUT DISABLERS	E	A
ES			ECHO SUPPRESSOR		
ES	A	0	AMPLIFIER	E	%
ES	B	1	BAY—1A	E	A
ES	B	3	BAY—3A	E	A
ES	D	0	DISABLER	E	%
ES	E	1	ENABLER—1A	–	A
ES	L	0	LOGIC	E	%
ES	M	0	MOUNTING	E	%

INDEX TABLE (Cont)

CODE DIGIT			DESCRIPTION	CODE DIGIT	
12	3	4		567	8
ES	P	C	POWER CONVERTER	E	*
ES	S	C	SPEECH COMPRESSOR	E	%
ES	2	V	2 WIRE—VOLCAS	–	A
ES	0	1	1A	–	A
EZ			EQUALIZER		
EZ	A	T	ATTENUATION—TELEPHOTO	E	*
EZ	D	B	DELAY—B1 DIGITAL SYSTEM 366 & 367 TYPE	E	%
EZ	D	C	DELAY—CARRIER CHANNEL	E	%
EZ	D	T	DELAY—TELEPHOTO	E	A
EZ	M	B	MOUNTING—B1 DIGITAL DATA UNITS	E	A
EZ	M	C	MOUNTING-COMBINED AMPLITUDE/DELAY & GAIN	E	A
EZ	M	T	MOUNTING—TELEPHOTO	E	A
FL			FILTER		
FL	2	4	2400 CYCLE—CUT-OFF	E	D
FL	2	8	2800 CYCLE—CUT-OFF	E	D
FL	3	5	3500 CYCLE—CUT-OFF	E	D
FL	N	L	NOISE—LOW FREQUENCY	–	A
HY			HYBRID REPEATING COIL		
HY	L	0	LOOP SIGNALING TRUNK	E	D
HY	0	0	OTHER THAN TRUNK CIRCUITS	E	D
LC			LINE CIRCUIT		
LC	A	N	AUXILIARY—SPECIAL SERVICE NETWORK	–	A
LC	A	4	AUXILIARY—4 WIRE	E	A
LC	D	A	DIVIDED ACCESS	–	%
LC	L	B	LOOP-BRIDGE LIFTER	E	*
LC	P	A	PRIVATE LINE—AUTOMATIC	E	*
LC	T	S	TOLL SUB LINE	E	B
MS			MULTI-STATION RELAY		
MS	A	S	AUXILIARY SIGNALING—10 STATION	E	*
MS	C	S	CODE SIGNALING	E	*
MS	C	1	CONTROL—1 LINE	–	B
MS	C	2	CONTROL—2 LINES	–	B
MS	C	3	CONTROL—3 LINES	–	B
MS	L	C	LINE—CABLE	E	B
MS	L	Ø	LINE—OPEN WIRE	E	B
MS	L	X	LINE—SWITCHING	–	B

INDEX TABLE (Cont)

CODE DIGIT			DESCRIPTION	CODE DIGIT	
12	3	4		567	8
MS	L	2	LINE—2 CIRCUITS	E	B
MS	L	3	LINE—3 CIRCUITS	E	B
MS	Ø	P	LOOP—PAD	–	B
MS	Ø	T	LOOP—TERMINATION	E	B
MS	Ø	X	LOOP—SWITCHING	E	B
MS	S	0	SIGNALING	E	B
PD			PAD		
PD	M	2	MOUNTING—2 WIRE	–	*
PD	M	4	MOUNTING—4 WIRE	E	*
PD	Ø	2	OFFICE B.O.C.—2 DB PAD	E	A
PD	*	*	FIXED PAD—** VALUE IN DB	–	*
PL			PULSE LINK		
PL	C	M	CORRECTOR—M LEAD	–	%
PL	M	C	MOUNTING—M LEAD CORRECTOR	–	A
PL	R	0	WITH RELAY	–	A
PL	T	0	TELEGRAPH	–	A
PL	0	0	WITHOUT RELAY	–	A
RC			REPEATING COIL		
RC	A	2	AUXILIARY—20 CYCLE SIGNALING	E	C
RC	C	L	COMPROMISE—LOCAL	E	A
RC	C	M	COMPROMISE—MANUAL	E	A
RC	C	T	COMPROMISE—TOLL	E	A
RC	1	1	111 TYPE	E	*
RC	1	2	120 TYPE	E	*
RC	1	9	119 TYPE	E	A
RC	2	5	2500 TYPE	E	A
RC	6	2	62 TYPE	E	*
RC	7	3	173 TYPE	E	G
RC	7	5	75 TYPE	E	–
RC	9	1	91 TYPE	–	*
RC	9	3	93 TYPE	E	*
RC	0	2	102 TYPE	E	*
RD			RINGDOWN SIGNALING		
RD	1	D	1000 CYCLE—DC	E	D
RD	1	2	1000 CYCLE—20 CYCLE	E	C
RD	1	3	1000 CYCLE—135 CYCLE	–	–
RD	2	D	20 CYCLE—DC	E	H
RD	2	2	20 CYCLE—20 CYCLE	–	–

INDEX TABLE (Cont)

CODE DIGIT 12	CODE DIGIT 3	CODE DIGIT 4	DESCRIPTION	CODE DIGIT 567	CODE DIGIT 8
RD	3	D	135 CYCLE—DC	–	–
RD	3	2	135 CYCLE—20 CYCLE	–	–
SC			SIGNAL CONVERTER		
SC	A	D	AUTOMATIC—DC	E	A
SC	A	2	AUTOMATIC—20 CYCLES	–	A
SC	E	D	E & M—DC	E	A
SC	E	L	E & M—LOOP	E	A
SC	E	P	E & M PULSE CORRECTOR LOOP	E	A
SC	E	T	E & M TANDEM LOOP	–	A
SC	E	2	E & M—20 CYCLES	E	A
SC	E	5	E & M—5XB LOOP	E	A
SC	L	E	LOOP—E & M	E	A
SC	X	D	CX—DC	E	A
SC	X	2	CX—20 CYCLES	E	A
SC	5	E	5XB—E & M	E	A
SF			SINGLE FREQUENCY SIGNALING		
SF	A	S	AUXILIARY GROUND START UNIT—STATION END	–	%
SF	A	T	AUXILIARY GROUND START UNIT—TERMINATING END	–	%
SF	B	E	BAY E/W EQUALIZERS	E	A
SF	B	P	BAY E/W 1C PAD MOUNTINGS	E	A
SF	B	R	BAY—REVERTIVE UNITS	E	A
SF	B	V	BAY E/W V4 REPEATER MOUNTINGS	E	A
SF	B	0	BAY—NON-REVERTIVE UNITS	E	A
SF	C	6	COIL—600 OHMS	–	A
SF	C	9	COIL—900 OHMS	–	A
SF	D	Ø	DP UNIT—ORIGINATING END E2C	E	%
SF	D	T	DP UNIT—TERMINATING END E2D	E	%
SF	E	E	EXCHANGE—E & M E1A	E	–
SF	F	4	FILTER—2400 CYCLES	–	E
SF	F	6	FILTER—2600 CYCLES	–	E
SF	M	C	MOUNTING—CUT CIRCUIT	–	A
SF	M	R	MOUNTING—REVERTIVE UNITS	–	A
SF	M	0	MOUNTING—NON-REVERTIVE UNITS	E	A
SF	N	1	NETWORK—1600 CYCLES RECEIVE 2 WIRE	–	–
SF	N	2	NETWORK—2000 CYCLES RECEIVE 2 WIRE	–	–
SF	N	4	NETWORK—2400 CYCLES RECEIVE 2 WIRE	–	E
SF	N	6	NETWORK—2600 CYCLES RECEIVE 2 WIRE	–	E

INDEX TABLE (Cont)

CODE DIGIT 12	3	4	DESCRIPTION		CODE DIGIT 567	8
SF	R	T	RP UNIT—TERMINATING END	E1F	E	%
SF	R	Ø	RP UNIT—ORIGINATING END	E1E	E	%
SF	T	C	TRANSMISSION—CUT CIRCUIT	E1A & E1B	E	%
SF	X	S	FX UNIT—STATION END	E2S	E	%
SF	X	T	FX UNIT—TERMINATING END	E2L	E	%
SF	Y	Ø	MF UNIT—ORIGINATING END	E2C	E	%
SF	Y	T	MF UNIT—TERMINATING END	E3D	E	%
SF	1	0	1600 CYCLES RECEIVE UNIT		–	–
SF	2	0	2000 CYCLES RECEIVE UNIT		–	–
SF	4	0	2400 CYCLES RECEIVE UNIT	E3B	E	%
SF	6	P	2600 CYCLES PRE-EMPTION UNIT	E1J	E	%
SF	6	0	2600 CYCLE RECEIVE UNIT	E4B	E	%
SX			SIMPLEX SIGNALING			
SX	F	6	FILTER—60 CYCLE		E	A
SX	S	L	SIGNALING CIRCUIT—LONG RANGE		–	A
SX	S	S	SIGNALING CIRCUIT—SHORT RANGE		E	A
VR			V TYPE REPEATER EQUIPMENT			
VR	A	0	AMPLIFIER—227 V3 ALTEC		E	%
VR	E	L	EQUALIZER—LINE 359 TYPE		E	%
VR	F	0	FILTER 648 TYPE		–	%
VR	M	A	MOUNTING—AMPLIFIER		E	A
VR	M	M	MOUNTING—MISCELLANEOUS		E	A
VR	M	2	MOUNTING—24V4 TERMINAL REPEATER		E	A
VR	M	4	MOUNTING—44V4 INTERMEDIATE REPEATER		E	A
VR	N	B	NET—BALANCE 4066 TYPE		E	%
VR	N	C	NET—COMPROMISE 4066 TYPE		–	%
VR	N	D	NET—DUMMY 434A PLUG		–	%
VR	N	K	NET—TONLOC		E	A
VR	N	R	NET—REGULATING		–	A
VR	N	Z	NET—IMPEDANCE MATCHING 849 TYPE		E	%
VR	T	6	TERM SET—600 OHMS 1B		–	%
VR	T	9	TERM SET—900 OHMS 1A		–	%
V4			V4 REPEATER BAY			
V4	B	A	BAY—227 AMPLIFIERS OR 849 NETWORKS		E	A
V4	B	R	BAY—24V4 and 44V4 REPEATERS		E	A
ZC			IMPEDANCE COMPENSATOR			

INDEX TABLE (Cont)

CODE DIGIT			DESCRIPTION	CODE DIGIT	
12	3	4		567	8
ZC	N	D	NON LOADED—DATA	–	A
ZC	N	E	NON LOADED—E6 REPEATER	–	B
ZC	8	0	H88 LOADING	E	B
ZC	0	0	—	E	A
2A			22 TYPE REPEATER		
2A	L	E	LINE GROUP EQUIPMENT	E	–
2A	2	0	2 WIRE—2 WIRE	E	–
2A	2	4	2 WIRE—4 WIRE	E	–
2A	4	0	4 WIRE—4 WIRE	E	–
2T			2 WIRE TERMINATING SET		
2T	6	0	600 OHM	–	–
4A			44 TYPE REPEATER		
4A	0	0	—	E	–
4A	F	0	FEEDBACK OPERATION	E	–
4A	F	L	FEEDBACK—TONLOC	E	–
4A	L	E	LINE GROUP EQUIPMENT	E	–
4A	P	C	PROGRAM—CONTROL OFFICE	E	–
4A	P	T	PROGRAM—TRANSMIT OFFICE	E	–
4A	P	R	PROGRAM—RECEIVE OFFICE	E	–
4T			4 WIRE TERMINATING SET		
4T	B	0	BAY	E	A
4T	D	4	DUMMY—4 WIRE THRU OPERATION	–	%
4T	M	0	MOUNTING	E	A
4T	Ø	T	OUTGOING TRUNK—TANDEM	E	A
4T	5	0	1200 TO 1500 OHM	E	–
4T	6	P	600 OHM WITH IMPEDANCE PAD	E	A
4T	6	R	600 OHM—RESISTANCE HYBRID	E	B
4T	6	T	600 OHM—MINIATURE SET	E	–
4T	6	0	600 OHM REPEAT COIL HYBRID 1D	–	%
4T	9	0	900 OHM REPEAT COIL HYBRID 1C	–	%
4T	9	U	900 OHM—UNIVERSAL 1G	–	%

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
SUBSET NET - 115BL			1
COMPROMISE NET	TOLL OFFICE	600 OHMS	2
	LOCAL OFFICE	600 OHMS	3
		1000 OHMS	4
		1600 OHMS	5
NET FOR 94E REPEAT COIL - 115N			6

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-357143 A&M	3, 5			A
SD-95015-01	3, 4			B
SD-90517-01	ALL			G*
SD-95144-01	1, 2			H*

NOTES:

DESCRIPTION: BALANCING NETWORKS - COMPROMISE

ISSUE DATE: 1/3/67

BNCO (1 2 3 4) BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5				
FEATURE				CODE
FACILITY			115 TYPE NETWORK	
19CNB	B-88		L	L
	H-88		H ①	H
	M-88		G	G
	B-135		J	J
	H-135		A	A
19DNB	B-88		M	M
	H-88		H	H
	B-135		K	K
	H-135		B	B
	H-175		E	E
22BSA	B-88		L	L
	H-88		H	H
	M-88		G	G
	B-135		S	S
	H-135		C	C
24CSM	N. L.		AK	1
24DSM	H-88		AL ①	2
26AST 26BST	H-88		CE ①	3
26CSM 26DSM	N. L.		AK ①	1
VARIOUS SHORT LENGTH CABLE-N. L.			D	D

CODE DIGIT 6		
FEATURE		CODE
115D NET B.O.C. REQUIRED	NO	0
	YES	1

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01	A TO E G to M, S	0		A
SD-64903-01 MD	A to E G TO M 1, 2, S	0		F
SD-90517-01	ALL	0, 1		G
SD-95144-01	ALL	0		H*

NOTES:

① EQUIVALENT CAN BE OBTAINED BY USE OF VRNB + VRNC

DESCRIPTION

BALANCING NETWORKS - EXCHANGE CABLE

ISSUE DATE 9/1/67

B	N	E	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
OPEN WIRE FACILITY			115 TYPE NETWORK	
80	SIDE	COPPER	AR	1
	PHANTOM		AS	2
104	SIDE	COPPER	T	T
	PHANTOM		Y	Y
	SIDE	COPPER STEEL	BA	3
	PHANTOM		BD	4
109	SIDE	STEEL	AW	5
	PHANTOM		AY	6
128	SIDE	COPPER	U	U
	PHANTOM		AA	7
	SIDE	COPPER STEEL	BB	8
	PHANTOM		BE	9
165	SIDE	COPPER	W	W
	PHANTOM		AA	7
	SIDE	COPPER CLAD	BC	I
	PHANTOM		BF	0
134	SIDE	STEEL	AT	X
	PHANTOM		AU	Z

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01	ALL			A
SD-59042-01	ALL			B
SD-60963-01 MD	7, T, U, W, Y			C
SD-60963-02 MD	7, T, U, W, Y			D
SD-95144-01	ALL			H*

NOTES:

WHEN TOLL ENTRANCE CABLE IS INVOLVED ENGINEER MUST SPECIFY RESISTORS PER SD-95144-0117 NOTE 6.0A.

DESCRIPTION

BALANCING NETWORKS - OPEN WIRE

ISSUE DATE 1/3/67

B	N	Ø	W
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
CABLE FACILITY		115 TYPE NETWORK	
19 H-31-18	SIDE	AB	1
	PHANTOM	AD	2
16 H-31-18	SIDE	AC	3
	PHANTOM	AE	4
13 H-31-18	SIDE	BP	5
	PHANTOM	BR	6

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01	ALL			A
SD-59042-01	1,2,3,4			B
SD-60963-02 MD	ALL			C
SD-60963-01 MD	ALL			D
SD-95144-01	ALL			H*

NOTES:

DESCRIPTION
BALANCING NETWORKS - TOLL ENTRANCE CABLE

ISSUE DATE
1/3/67

B	N	T	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
CABLE FACILITY		115 TYPE NETWORK	
16-19 H-88-50	SIDE	P ①	P
	PHANTOM	R ①	R
16-19 H-86-32	SIDE	P	P
	PHANTOM	BG	Z
19 B-88-50	SIDE	AF	1
	PHANTOM	AG	2
19 H-44-25	SIDE	AH	3
	PHANTOM	AJ	4
16 H-44-25	SIDE	BM	5
	PHANTOM	BN	6
16-19 H-172-63	SIDE	AM	7
	PHANTOM	AN	8
16-19 H-106	PHANTOM	AP	9

CODE DIGIT 6

FEATURE	CODE
19 H-8850 GROUP SIDE CIRCUIT	1
GAS PRESSURE ALARM CIRCUIT W/115P NET	2
OTHER	3

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE		DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01		1 TO 9 P, R	3		A
SD-60963-01	MD	5, 6, 7, 8	3		C
SD-60963-02	MD	5, 6, 7, 8	3		D
SD-64370-01	A&M	1, 2, P, R	ALL		E
SD-64903-01		ALL	ALL		F
SD-63666-01	MD	1, 2	3		B
SD-63666-02	MD	P, R	1		G
SD-60980-01	MD	5, 6, 7, 8	3		J
SD-95144-01		ALL	ALL		H*

NOTES:

① EQUIVALENT CAN BE OBTAINED BY USE OF VRNB + VRNC

DESCRIPTION

BALANCING NETWORKS - TOLL CABLE

ISSUE DATE 11/3/67

B	N	T	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95144-01				B
SD-95756-01				C
SD-25546-01				A*

NOTES:

DESCRIPTION

BUILDING-OUT CAPACITOR - OFFICE CABLING

ISSUE DATE 7/3/67

B	Ø	C	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
REPEAT COIL TYPE	E/W 1C PAD	YES	1
		NO	2
RESISTANCE TYPE			3

CODE DIGIT 6	
FEATURE	CODE
4 WIRE BRIDGE	0
2 WIRE BRIDGE	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD	ALL	0, 2		B
EA15666-SD	ALL	0, 2		C
SM12001-SD	1, 3	0, 2		D
SM11605-SD	1, 3	0, 2		E
SD-55647-01	2, 3	0		A*

NOTES:

DESCRIPTION
BRIDGE - AUXILIARY TALK-BACK AND MONITOR
FOR USE WITH BRIDGE CIRCUIT

ISSUE DATE
7/3/67

B	R	A	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD EA15666-01				A B

NOTES:

DESCRIPTION

BRIDGE - POTENTIOMETER & MONITOR JACK

ISSUE DATE

7/3/67

B	R	J	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD EA15666-01 SD-55647-01 SD-95144-01				D E A* C*

NOTES:

DESCRIPTION

BRIDGE - JACK TERMINATION 600 OHMS

ISSUE DATE 7/3/67

B	R	J	6
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD EA15666-01				A B

NOTES:

DESCRIPTION

BRIDGE - LEVEL KEY

ISSUE DATE

7/3/67

B	R	K	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD EA15666-01 22228-SD SD-55647-01				B C D A*

NOTES:

DESCRIPTION

BRIDGE - 600-OHM TERMINATION

ISSUE DATE 7/3/67

B	R	T	6
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TENS POSITION	ZERO	0
	TEN	1
	TWENTY	2

CODE DIGIT 6		
FEATURE		CODE
UNITS POSITION	ZERO	0
	ONE	1
	TWO	2
	THREE	3
	FOUR	4
	FIVE	5
	SIX	6
	SEVEN	7
	EIGHT	8
	NINE	9

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-1G002-01				A*

NOTES:

DESCRIPTION
VF BRIDGE - 2 WIRE / MORE THAN TEN OUTLETS

ISSUE DATE
7/3/67

B	R	2	M
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD				B
EA15666-01				C
SM11605-SD				A

NOTES:

DESCRIPTION

BRIDGE - 2 WIRE / 10 WAY

ISSUE DATE 7/3/67

B	R	2	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
RESISTANCE TYPE — 6 DB LOSS MULTI-STATION LINE CIRCUIT	M
RESISTANCE TYPE WITH 1C PAD — 6 DB LOSS C1 ALARM AND CONTROL CIRCUIT	C
REPEAT COIL TYPE — LOW IMPEDANCE A1 DIGITAL DATA	A
REPEAT COIL TYPE — MULTI STATION 20 CYCLE NON-SELECTIVE SIGNALING	2

CODE DIGIT 6

FEATURE				CODE
CONNECTS TO E TYPE REPEATER	NO			0
	YES	B.O.C. REQUIRED	YES	1
			NO	2

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56229-01	C	0		C
SD-95762-01	2	ALL		D*
SD-1G002-01	A	0		B*
SD-55647-01	M	0		A*

NOTES:

DESCRIPTION
VF BRIDGE — 2 WIRE / 3 WAY

ISSUE DATE
1/3/67

B	R	2	3
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
RESISTANCE TYPE - 9.6 DB LOSS MULTI-STATION LINE CIRCUIT	M
RESISTANCE TYPE WITH 1C PAD - 9.6 DB LOSS C1 ALARM AND CONTROL CIRCUIT	C
REPEAT COIL TYPE — LOW IMPEDANCE A1 DIGITAL DATA	A
REPEAT COIL TYPE — MULTI STATION 20 CYCLE NON-SELECTIVE SIGNALING	2

CODE DIGIT 6

FEATURE				CODE
CONNECTS TO E TYPE REPEATER	NO			0
	YES	B.O.C. REQUIRED	YES	1
			NO	2

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56229-01	C	0		C
SD-95762-01	2	ALL		D*
SD-1G002-01	A	0		B*
SD-55647-01	M	0		A*

NOTES:

DESCRIPTION

VF BRIDGE — 2 WIRE / 4 WAY

ISSUE DATE 1/3/67

B	R	2	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
RESISTANCE TYPE — 12 DB LOSS MULTI-STATION LINE CIRCUIT	M
RESISTANCE TYPE WITH 1C PAD — 12 DB LOSS C1 ALARM AND CONTROL CIRCUIT	C
REPEAT COIL TYPE — LOW IMPEDANCE A1 DIGITAL DATA	A
REPEAT COIL TYPE — MULTI STATION 20 CYCLE NON-SELECTIVE SIGNALING	2

CODE DIGIT 6

FEATURE				CODE
CONNECTS TO E TYPE REPEATER	NO			0
	YES	B.O.C. REQUIRED	YES	1
			NO	2

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56229-01	C	0		C
SD-95762-01		ALL		D*
SD-1G002-01	A	0		B*
SD-55647-01	M	0		A*

NOTES:

DESCRIPTION

VF BRIDGE — 2 WIRE / 5 WAY

ISSUE DATE 1/3/67

B	R	2	5
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
RESISTANCE TYPE — 14 DB LOSS MULTI-STATION LINE CIRCUIT	M
REPEAT COIL — LOW IMPEDANCE A1 DIGITAL DATA	A

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01	M			A*
SD-1G002-01	A			B*

NOTES:

DESCRIPTION

VF BRIDGE — 2 WIRE / 6 WAY

ISSUE DATE 1/3/67

B	R	2	6
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
RESISTANCE TYPE – 15.6 DB LOSS MULTI-STATION LINE CIRCUIT	M
REPEAT COIL – LOW IMPEDANCE A1 DIGITAL DATA	A

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01	M			A*
SD-1G002-01	A			B*

NOTES:

DESCRIPTION

VF BRIDGE – 2 WIRE / 7 WAY

ISSUE DATE 1/3/67

B	R	2	7
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
RESISTANCE TYPE — 16.9 DB LOSS MULTI-STATION LINE CIRCUIT	M
REPEAT COIL TYPE — LOW IMPEDANCE A1 DIGITAL DATA	A

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01	M			A*
SD-1G002-01	A			B*

NOTES:

DESCRIPTION
VF BRIDGE — 2 WIRE / 8 WAY

ISSUE DATE
1/3/67

B	R	2	8
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
DIRECT WIRED JACKS	NONE	ORDER WIRE	W
		OTHER	0
	LINE		1
	LINE AND RECEIVE MONITOR		2
	LINE AND RECEIVE & TRANSMIT MONITOR		3

CODE DIGIT 6

FEATURE		CODE
LINE JACKS E/W 600 OHM TERMINATION	YES	1-2
	NO	0-3
WITH LEVEL ADJUST KEYS	YES	1-3
	NO	0-2

CODE DIGIT 7

FEATURE		CODE
PAD IN TRANSMIT LEGS	YES	1
	NO	0-2
ARRANGED FOR IMPROVED RETURN LOSS	YES	2
	NO	0-1

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SM11605-SD	2, 3	1, 2	2	E
SM12001-SD	0, 2, 3	0, 3	2	F
SM13058-SD	0, 1	0, 2	0	H
EA15666-SD	0, 1, 2, 3	0, 1, 2	0, 1, 2	K
CA15764-SD	0	0	1	J
WA17966-SD	0	0	1	M
19784-SD	0	0	0	G
20924-SD	0	0	0	N
21616-SD	0, 1, 2, 3	0, 1, 2	0, 1, 2	L
22228-SD	1, 2, 3	0, 3	0, 2	D
SD-59046-01	W	0	0	B
SD-95144-01	W	0	0	C*
SD-55647-01	0	0	0, 1	A*
SA13806-SD	0	0	0	P

NOTES:

DESCRIPTION

VF BRIDGE - 4 WIRE / 4 WAY SPECIAL SERVICES 15DB
ORDER WIRE 30DB

ISSUE DATE 11/3/67

B	R	4	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
DIRECT WIRED JACKS	NONE	0
	LINE	1
	LINE AND RECEIVE MONITOR	2
	LINE AND RECEIVE & TRANSMIT MONITOR	3

CODE DIGIT 6		
FEATURE		CODE
LINE JACKS E/W 600 OHM TERMINATION	YES	1-2
	NO	0-3
WITH LEVEL ADJUST KEYS	YES	1-3
	NO	0-2

CODE DIGIT 7		
FEATURE		CODE
PAD IN TRANSMIT LEGS	YES	1
	NO	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SM11605-SD	2,3	1,2	0	C
SM12001-SD	0,2,3	0,3	0	B
EA15666-SD	2,3	1,2	0	E
CA15764-SD	0	0	1	F
WA17966-SD	0	0	1	G
21616-SD	2,3	1,2	0	H
22228-SD	1,2,3	0,3	0	D
SD-55647-01	0	0	0,1	A*

NOTES:

DESCRIPTION

VH BRIDGE - 4 WIRE / 6 WAY SPECIAL SERVICE 20DB

ISSUE DATE 1/3/67

B	R	4	6
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6			CODE DIGIT 7	
FEATURE	CODE	FEATURE		CODE	FEATURE	CODE
COMPRESSOR	C	CROSS CONTROL REQUIRED (1)	YES	1	VF MESSAGE SERVICE	0
EXPANDOR	E		NO	2	PROGRAM SERVICE	1

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59040-01	C	1,2	0,1	A
SD-59041-01	E	1,2	0,1	B

NOTES:
(1) DO NOT SPECIFY FOR PROGRAM SERVICE

DESCRIPTION
COMPANDOR - 1A NOISE AND CROSSTALK REDUCTION
VF MESSAGE OR PROGRAM SERVICE

ISSUE DATE
11/3/67

C	P	1	A
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
SERIES LINE CAPACITOR ASSOCIATED WITH REPEAT COIL	YES	1
	NO	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60136-01 MD	2			B
SD-60136-02 MD	2			C
SD-60980-01 MD	1			D
SD-60548-01 MD	2			E
SD-60548-02 MD	2			F
SD-56166-01	1,2			A*

NOTES:

DESCRIPTION

TYPE C TERMINAL OR INTERMEDIATE CX BALANCING CIRCUIT (PHANTOM GROUP)

ISSUE DATE 1/3/67

C	X	B	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TERMINAL SET	WITH CX SIGNALING CIRCUIT SD-95016-01	YES	1
		NO	2
INTERMEDIATE SET	PHANTOM TO PHANTOM	YES	3
		NO	4

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64903-01 MD	1, 2, 3			A
SD-95306-01	1, 2, 3			C
SD-95144-01	ALL			B*

NOTES:

DESCRIPTION

TYPE E CX PHANTOM BALANCING CIRCUIT

ISSUE DATE 1/3/67

C	X	B	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
BRIDGE TYPE - MODERATE 60 CYCLE	1
SERIES TYPE - HEAVY 60 CYCLE & 25 CYCLE	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95073-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	C X F 6 (1 2 3 4)
	CX SIGNALING - A.C. FILTER	1/3/67	BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
1000 CYCLE IMPEDANCE OF TRUNK OR LINE TO CENTRAL OFFICE	600 OHM OFFICE		120 TYPE COILS	
	UP TO 735 OHMS	PHYSICAL	H	H
		PHANTOM	D	D
	735 OHMS TO 1200 OHMS	PHYSICAL	K	K
		PHANTOM	C	C
	OVER 1200 OHMS	PHYSICAL	L	L
		PHANTOM	E	E
			F	F
1000 CYCLE IMPEDANCE RATIO OF TRUNK TO CENTRAL OFFICE	900 OHM OFFICE			
	UP TO .82	PHYSICAL	K	K
		PHANTOM	E	E
	.83 TO 1.25	PHYSICAL	H	H
		PHANTOM	C	C
	OVER 1.25	PHYSICAL	J	J
		PHANTOM	D	D
CX RELAY ONLY				0
PHANTOM GROUP COIL COMBINATIONS			K/C	1
			L/E	2
			H/D	3
			K/E	4
			H/C	5
			J/D	6
			H/E	7
			J/C	8
			J/E	9

CODE DIGIT 6

FEATURE		CODE
PHANTOM GROUP		1-2-3-4
PHYSICAL CIRCUIT		5-6-7-8
500V CAPACITORS		1-2-5-6
1000V CAPACITORS		3-4-7-8
UNIT TEST JACKS REQUIRED	YES	1-3-5-7
	NO	2-4-6-8
CX RELAY ONLY		0

CODE DIGIT 7

FEATURE		CODE
CONNECTS TO	INTERTOLL TRUNK OR CX TYPE SIGNAL CONVERTOR	1-2-3
	LOCAL TRUNK OR 900 OHM OFFICE	4-5-6
	OTHER	7-8-9
4TH LEG USED FOR	EARTH POTENTIAL COMPENSATION	1-4-7
	CX SIGNALING	2-5-8
	TELEGRAPH	3-6-9
CX RELAY ONLY		A

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95032-01				A*

NOTES:

DESCRIPTION

CX SIGNALING COMBINED GROUP EQUIPMENT - SHORT RANGE 2 WAY SIGNALING & DIALING - CABLE OR OPEN WIRE W/O TELEPHONE REPEATER

ISSUE DATE 1/3/67

C	X	G	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
LINE TO DROP IMPEDANCE RATIO	1:1	120 TYPE COIL	C	C
			H	H
	1.5:1		E	E
			K	K
	2.5:1		F	F
			L	L
	1:1.5		D	D
			J	J
PHANTOM GROUP COIL COMBINATIONS			K/C	1
			L/E	2
			H/D	3
			K/E	4
			H/C	5
			J/D	6
			H/E	7
			J/C	8
			J/E	9
			C/A	T
		62 TYPE COIL	E/C	U
			A/B	V
			E/A	W
			F/G	X
		D90951/94E		Y
		D90508/94E		Z

CODE DIGIT 6

FEATURE			CODE
CX SET SERIES LINE CAPACITORS	500V	4MF	1-2
		3MF	4-5
		2MF	7-8
	1000V	4MV	A-B
PHYSICAL CIRCUITS			1-4-7A
PHANTOM GROUP			2-5-8-B
PANTHOM COIL USED AS PHYSICAL CIRCUIT ①			C

CODE DIGIT 7

FEATURE				CODE
TOLL TRUNK	YES			1-2
	NO	MANUAL TRUNK TO REMOTE OFFICE WITH REPEAT COIL	YES	3-4
			NO	5-6
4TH LEG USED FOR TELEGRAPH			YES	1-3-5
			NO	2-4-6

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95004-01				A*

NOTES:
① MODIFICATION OF PHANTOM GROUP

DESCRIPTION
TYPE C CX SET & 120-TYPE REPEAT COIL

ISSUE DATE 7/3/67

C	X	G	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
LOOP UNDER 8000 OHMS	1
LOOP OVER 8000 OHMS	2

CODE DIGIT 6		
FEATURE		CODE
CX SIGNALING CIRCUIT IS REMOTE FROM CX SET	YES	1-2
	NO	3-4
PHANTOM GROUP	YES	1-3
	NO	2-4

CODE DIGIT 7		
FEATURE		CODE
CONNECTS TO TRUNK WITH "F" LEAD	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64682-01 MD	2	3,4	1,2	A
SD-55130-01 MD	2	3,4	1,2	B
SD-55415-01	1,2	1,2,3,4	1,2	D*

NOTES:

DESCRIPTION

TYPE B CX SIGNALING CIRCUIT - LONG RANGE - 2 WAY
SIGNALING & DIALING WITH INTERMEDIATE REPEATER - CABLE

ISSUE DATE 1/3/67

C	X	S	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
TYPE REPEAT COIL	120D	D
	120C	C
	120E	E
	120F	F
	120H	H
	120J	J
	120K	K
	120L	L

CODE DIGIT 6

FEATURE	CODE
500V CAPACITORS	1
1000V CAPACITORS	2

CODE DIGIT 7

FEATURE			CODE
SIGNALING ON CX LEG	2ND LEG USED FOR TELEGRAPH	YES	1-4
		NO	2-5
SIGNALING ON SX LEG			3-6
CONNECTS TO	INTERTOLL TRUNK		1-2-3
	MANUAL TRUNK		4-5-6

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95058-01				A

NOTES:

DESCRIPTION: TYPE B CX SIGNALING CIRCUIT - SHORT HAUL - 2 WAY SIGNALING & DIALING ON PHANTOM CIRCUIT

ISSUE DATE: 1/3/67

C	X	S	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
C CX SET	CABLE OR OPEN WIRE	WITH INTERMEDIATE CX SET	YES	1
			NO	2
	OPEN WIRE			3
	CABLE			6
ECX SET	WITH INTERMEDIATE V-TYPE REPEATER		YES	4
			NO	5

CODE DIGIT 6

FEATURE		CODE
CX SIGNALING CIRCUIT IS REMOTE FROM CX SET	YES	1-2
	NO	3-4
PHANTOM GROUP	YES	1-3
	NO	2-4

CODE DIGIT 7

FEATURE		CODE
CONNECTS TO TRUNK WITH "F" LEAD	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95028-01 A&M	6	3,4	1,2	A
SD-95028-03	2	1,2	1,2	B
SD-95308-01 MD	5	3,4	1,2	F
SD-95091-01 A&M	3	3,4	1,2	G
SD-95029-01	3	3,4	1,2	C*
SD-95048-01	1,4,5	1,2,3,4	1,2	D*
SD-95067-01	1	3,4	1,2	E*

NOTES:

DESCRIPTION

TYPE B CX SIGNALING CIRCUIT - SHORT RANGE - 2 WAY SIGNALING & DIALING - UP TO 5000 OHMS

ISSUE DATE 1/3/67

C	X	S	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
PHANTOM GROUP	YES	WITH INTERMEDIATE VOICE REPEATER	YES	1
			NO	2
	NO		YES	4
			NO	3

CODE DIGIT 6

FEATURE	CODE
4 WIRE TRUNK	1
2 WIRE TRUNK	2

CODE DIGIT 7

FEATURE		CODE
CONNECTS TO TRUNK WITH F LEAD	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95016-01	2, 3	2	1,2	B
SD-95084-01	ALL	1,2	1,2	A*

NOTES:

DESCRIPTION
TYPE B CX SIGNALING CIRCUIT - SHORT RANGE - SIGNALING ONLY

ISSUE DATE
2/3/67

C	X	S	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
TERMINAL	CX SIGNALING OR METALLIC TELEGRAPH TYPE C	1
	GROUNDED TELEGRAPH TYPE A	2
	4TH LEG OF GROUP USED FOR TELEGRAPH	3
INTERMEDIATE	CX SIGNALING OR METALLIC TELEGRAPH TYPE C	4
	GROUNDED TELEGRAPH TYPE A	5

CODE DIGIT 6

FEATURE					CODE
SERIES LINE CAPACITOR ASSOCIATED WITH REPEAT COIL	YES				1
	NO	CONNECTS TO INPUT OF 44A1 VOICE REPEATER	YES		2
			NO	500V CAPACITORS	2
				1000V CAPACITORS	3

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60136-02	1,3,4	2,3		C
SD-60136-01	1,4	2		B
SD-60980-01 MD	1,4	1		D
SD-60548-01 MD	2,5	3		E
SD-60548-02 MD	2,5	2,3		F
SD-56166-01	ALL	ALL		A*

NOTES:

DESCRIPTION

TYPE C CX SET - TERMINAL OR INTERMEDIATE

ISSUE DATE 1/3/67

C	X	X	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TERMINAL	WITH CX SIGNALING CIRCUIT SD-95016-01	YES	1
		NO	2
INTERMEDIATE			3
4 WIRE ORDER CIRCUIT (TYPE D)	TERMINAL		2
	INTERMEDIATE		1

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64903-01 MD	1,2,3			A
SD-95306-01	1,2,3			C
SD-95144-01	ALL			B*

NOTES:

DESCRIPTION

TYPE E CX SET — TERMINAL & INTERMEDIATE BY-PASS

ISSUE DATE 1/3/67

C	X	X	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO	N OR O CARRIER	1
	22-TYPE REPEATER	2
	OTHER	3

CODE DIGIT 6		
FEATURE		CODE
RINGING TRIP REQUIRED	YES	1
	NO	2

CODE DIGIT 7		
FEATURE		CODE
LAMP PROTECTION REQUIRED	YES	3
	NO	4

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-65625-01				A*

NOTES:

DESCRIPTION

AUXILIARY TRUNK CIRCUIT – CONVERTS LOOP SIGNALS TO E&M SIGNALS ON PBX TRUNK TO C.O.

ISSUE DATE 1/3/67

D	L	A	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
INTERMEDIATE OFFICE	IMPEDANCE RATIO OF STATION LOOP TO OFFICE LOOP	UP TO 0.8	1
		0.8 TO 1.25	2
		OVER 1.25	3
TERMINAL OFFICE	1000 CYCLE TRUNK IMPEDANCE	UP TO 1100 OHMS	2
		OVER 1100 OHMS	3

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD 96009-01 MD				A

NOTES:

DESCRIPTION

DIAL LONG LINES CIRCUIT - TRUNK OR STATION WITH PULSE CORRECTOR

ISSUE DATE 2/1/67

D	L	C	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
DRY LOOP- CONDUCTOR LOOP TO C.O. END OR PBX	UP TO 250 OHMS	1
	OVER 250 OHMS	2
WET LOOP		3

CODE DIGIT 6			
FEATURE			CODE
RELAYED RINGING	YES		1-2-3
	NO		4-5
LAMP PROTECTION REQUIRED	YES	LOOP	1-4
		INTERMEDIATE (WET LOOP ONLY)	2
	NO		3-5

CODE DIGIT 7		
FEATURE		CODE
IMPEDANCE RATIO OF STATION LOOP TO OFFICE LOOP	UP TO 0.8	1
	0.8 TO 1.25	2
	OVER 1.25	3

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-65203-01 MD	ALL	1,3,4,5	ALL	A
SD-66060-01	1,2	1,3,4,5	2	B
SD-66061-01 MD	1,2	1,3,4,5	2	C
SD-96134-01	2	3	ALL	E
SD-95411-01	1,2	3	2,3	F
SD-96010-01 MD	1	3	ALL	G
SD-66474-01	2	3	ALL	H
SD-96008-01 MD	2	3	ALL	J
SD-96034-01	ALL	ALL	ALL	D*

NOTES:

DESCRIPTION
DIAL LONG LINES CIRCUIT - LOOP SIGNALING - 10 PPS - FOR C.O. SUB LINES, PBX STATION LINES, OR MANUAL SELECTED C.O. TRUNK

ISSUE DATE 1/3/67

D	L	C	1
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
DLL CIRCUIT AT	INTERMEDIATE OFFICE	CONDUCTOR LOOP TO TERMINAL C.O.	UP TO 250 OHMS	1
			OVER 250 OHMS	2
	TERMINAL OFFICE	ESS		3
		OTHER		1

CODE DIGIT 6

FEATURE			CODE
RELAYED RINGING	RINGING TRIP	YES	1-2
		NO	3-4
LAMP PROTECTION REQUIRED		YES	1-3-5
		NO	2-4-6
BY-PASSED RINGING			5-6

CODE DIGIT 7

FEATURE			CODE
RATIO OF LINE OR TRUNK IMPEDANCE TO C.O. EQUIPMENT	0.8 TO 1.25		0-1
	UP TO 0.8		2-3
	OVER 1.25		4-5
SUITABLE FOR DIAL TWX AND DATA OR WITH E-TYPE REPEATER		YES	0-2-4
		NO	1-3-5

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96234-01	1,2	ALL	ALL	A*
SD-96555-01	ALL	ALL	0	B*

NOTES:

DESCRIPTION
DIAL LONG LINES CIRCUIT — LOOP SIGNALING — 10 & 20 PPS— FOR C.O. SUB LINES, PBX STATION LINES, OR MANUAL SELECTED C.O. TRUNK

ISSUE DATE 1/3/67

D	L	C	2
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO. 1 ESS OFFICE	1
OTHER	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96588-01				A*

NOTES:

PLUG-IN UNIT DSLI

DESCRIPTION

DIAL LONG LINES MOUNTING - STATION IDENTIFIER UNIT (4 CIRCUITS)

ISSUE DATE

2/1/67

D	L	M	I
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6		CODE DIGIT 7		
FEATURE		CODE	FEATURE	CODE	FEATURE		CODE
CONNECTS TO 4 WIRE TERM SET OR REPEAT COIL HYBRID	YES	1	NO. 1 ESS OFFICE	1	FOR PATCHING PACKAGE USE	YES	1
	NO	2	OTHER OFFICE	2		NO	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96251-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	D	L	Ø	E
	DIAL LONG LINE CIRCUIT — E&M SIGNALING — FOR C.O. SUB LINES OR PBX STATION LINES — C.O. END	1/3/67	1	2	3	4
			BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
CONNECTS TO	N OR O CARRIER	4 WIRE	1
		2 WIRE	2
	4W TERM SET W/O CARRIER		1
	VOICE REPEATER	V-TYPE	3
		22-TYPE	1
	OTHER		4

CODE DIGIT 6

FEATURE				CODE
FOR USE WITH E3B OR E1L SIGNAL CIRCUITS	YES			1
	NO	RINGING TRIP REQUIRED	YES	2
			NO	3

CODE DIGIT 7

FEATURE		CODE
CONVERTIBLE SIGNAL RELAY (1)	YES	2
	NO	4

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96252-01				A*

NOTES:

(1) ALWAYS SPECIFY FOR N & O CARRIER AND WITH E-TYPE SIGNALING CIRCUIT

DESCRIPTION

DIAL LONG LINES CIRCUIT — E&M SIGNALING — FOR C.O. SUB LINES OR PBX STATION LINES — STATION END

ISSUE DATE 1/3/67

D	L	S	E
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96588-01				L
ED-96588-30				M*

NOTES:

DESCRIPTION

DIAL LONG LINES CIRCUIT - 2-PARTY STATION IDENTIFIER

ISSUE DATE 11/3/67

D	L	S	I
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
DIAL OFFICE	TANDEM USE	YES	1
		NO	2
MANUAL OFFICE			3

CODE DIGIT 6

FEATURE		CODE
TYPE COIL	120 C	C
	120 D	D
	120 E	E
	94 N	N
	94 T	T

CODE DIGIT 7

FEATURE		CODE
METALLIC LINES	BRIDGED RING	1-2
	DIVIDED RING	3-4
	SHORT LOOP	1-3
	LONG LOOP	2-4
GROUNDED LINES		5
COMBINED METALLIC & GROUNDED LINES		6

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-31848-01 MD	2	N,T	ALL	B
SD-31376-01 MD	2	N,T	3	C
SD-96270-01 MD	1	N	2	D
SD-95435-01	ALL	ALL	2	A*
SD-99763-01 J98619B-1	1,2	C	1,2	E F

NOTES:

DESCRIPTION

MANUAL OR DIAL LONG LINES CIRCUIT - 4 OR 8 PARTY
SELECTIVE SIGNALING - SXS OR NO. 5 X-BAR OR MANUAL

ISSUE DATE 11/3/67

D	L	S	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
TOLL DIVERTING REQUIRED	YES	ALL SELECTOR MULTIPLE	YES	1 - 2
			NO	3 - 4
		ATB GUARD FOR PANEL OR XBT OFFICE	YES	1 - 3
			NO	2 - 4
	NO			5

CODE DIGIT 6

FEATURE		CODE
CONNECTS TO	CARRIER CHANNEL OR 4W TERM SET	1
	REPEAT COIL & COMPROMISE NET	2
	V1 APPLICATION SCHEMATIC	3
	OTHER	4

CODE DIGIT 7

FEATURE		CODE
CONNECTS TO	E & M LEAD SIGNALING CIRCUIT	1 - 2
	E M & N LEAD SIGNALING CIRCUIT	3 - 4
LAMP PROTECTION REQUIRED	YES	1 - 3
	NO	2 - 4

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-65669-01				A*

NOTES:

DESCRIPTION

STATION END - TOLL DIVERTING AUXILIARY TRUNK

ISSUE DATE 2/1/67

D	L	S	V
1	2	3	4

BASIC CODE

CODE DIGIT 5			
FEATURE			CODE
NO. 1 X-BAR OFFICE	GROUND START	YES	1
		NO	2
NO. 5 X-BAR OFFICE			3
PANEL OFFICE	BATTERY CUT-OFF RELAY		4
	GROUND CUT-OFF RELAY		5
SXS OFFICE	CONNECTOR TERMINAL BUSY UNTIL PBX END DISCONNECT IN OFFICE ARRANGED FOR CALLING END CONTROL	YES	6-7
		NO	8-9
	LINE CIRCUIT MESSAGE REGISTER WITH SLEEVE CONTROL	YES	6-8
		NO	7-9
NO. 1 ESS OFFICE			A

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-65602-01				A*

NOTES:

DESCRIPTION

LONG TRUNK CIRCUIT - E&M SIGNALING - DIAL SELECTED PBX TRUNK AT C.O.

ISSUE DATE 1/3/67

D	L	T	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
RATIO OF LINE OR TRUNK IMPEDANCE TO C.O. EQUIPMENT	UP TO 0.8	1
	0.8 TO 1.25	2-4
	OVER 1.25	3
LAMP PROTECTION REQUIRED	YES	4
	NO	1-2-3

CODE DIGIT 6

FEATURE				CODE
RELAYED RINGING	YES	TRIP RELAY	YES	2
			NO	4
	NO			6

CODE DIGIT 7

FEATURE			CODE
PANEL OFFICE	BATTERY ON CUT-OFF RELAY		1
	GROUND ON CUT-OFF RELAY		2
NO. 1	X-BAR OFFICE		3
NO. 5	X-BAR OFFICE		4
NO. 1	ESS OFFICE		5
SXS OFFICE	TRUNK CONDITION TO INCOMING CALLS WHILE LINE FINDER CONNECTS TO LINE	IDLE	6-7
		BUSY	8-9
	LINE CIRCUIT MESSAGE REGISTER WITH SLEEVE CONTROL	YES	6-8
		NO	7-9

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96371-01	1,2,3	4,6	ALL	A*
SD-66192-01	2,4	ALL	1,2,3,4,6	B*

NOTES:

SPECIFY SD-96371-01 FOR TERMINAL USE AND SD-66192-01 FOR INTERMEDIATE OPERATION

DESCRIPTION

LONG TRUNK CIRCUIT - LOOP SIGNALING - DIAL SELECTED PBX TRUNK AT C.O. - GROUND START

ISSUE DATE 1/3/67

D	L	T	G
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
INTERMEDIATE OFFICE	TRUNK IMPEDANCE IS THE SAME IN BOTH DIRECTIONS	YES	E
		NO	F
TERMINAL OFFICE	TRUNK IMPEDANCE IS UNDER 1200 OHMS	YES	E
		NO	F

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-66471-01				A

NOTES:

DESCRIPTION

LONG TRUNK CIRCUIT — PULSE CORRECTOR FOR USE IN TANDEM WITH TRUNK FROM DIAL PBX

ISSUE DATE 1/3/67

D	L	T	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TOLL DIVERTING REQUIRED	YES	NO. 5 X-BAR OFFICE	1
		NO. 1 X-BAR OFFICE	2
		NO. 1 ESS OR PANEL OFFICE	2
(1)	NO		3

CODE DIGIT 6

FEATURE		CODE
CONNECTS TO REPEAT COIL CIRCUIT	YES	1
	NO	2

CODE DIGIT 7

FEATURE				CODE
PANEL OFFICE	BATTERY ON CUT-OFF RELAY			1
	GROUND ON CUT-OFF RELAY	LAST LINE IN PBX GROUP	YES	2
			NO	3
SXS OFFICE				1
NO. 1 X-BAR OFFICE				4
NO. 5 X-BAR OFFICE				5
NO. 1 ESS OFFICE				6

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-95668-01				A*

NOTES:
(1) TOLL DIVERTING NOT AVAILABLE IN SXS OFFICE

DESCRIPTION
LONG TRUNK CIRCUIT - E&M SIGNALING - DIAL SELECTED PBX TRUNK AT C.O. ARRANGED FOR TOLL DIVERTING

ISSUE DATE
1/3/67

D	L	T	V
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TYPE VOICE REPEATER	CONNECTING CIRCUIT SHUNT CAPACITOR	CONDUCTOR LIMITS	
E	4MF	UP TO 15 MILES	1
	1MF		4
NONE	4MF	UP TO 38 MILES ①	1
		OVER 38 MILES	2
	1MF	UP TO 5000 OHMS	4
	NONE		3
		UP TO 1500 OHMS	5
FOR PATCHING PACKAGE USE			6

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95488-01				A*

NOTES:

① FIG 1 LIMIT IS 15 MILES

DESCRIPTION

DX SIGNALING CIRCUIT - TO EXTEND E&M LEADS FROM SIGNALING CIRCUIT - MAXIMUM CONDUCTOR LOOP 5000 OHMS

ISSUE DATE 9/1/67

D	X	S	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TYPE VOICE REPEATER	CONNECTING CIRCUIT SHUNT CAPACITOR	CONDUCTOR LIMITS	
E	2MF	UP TO 15 MILES	1
	4MF		2
V4	2 OR 4 MF	UP TO 15 MILES	3
		15 TO 75 MILES	4
	NONE	UP TO 15 MILES	5
		15 TO 60 MILES	6
		60 TO 75 MILES	1
NONE	2MF	UP TO 30 MILES	1
		OVER 30 MILES	2
	4MF	UP TO 38 MILES ①	2
		OVER 38 MILES	7
	NONE	UP TO 5000 OHMS	5
		UP TO 1500 OHMS	8

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95464-01 MD	8			B
SD-95487-01	ALL			A*

NOTES:

① FIG 1 LIMIT IS 15 MILES

DESCRIPTION
DX SIGNALING CIRCUIT - TO EXTEND E&M LEADS FROM TRUNK CIRCUIT OR TO SIGNAL TRUNK TO TRUNK MAXIMUM CONDUCTOR LOOP 5000 OHMS

ISSUE DATE 9/1/67

D	X	T	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
E6 OR E7 REPEATER	6
E23	2

CODE DIGIT 6	
FEATURE	CODE
MOUNTS IN REPEATER POSITION	0
MOUNTS IN POSITION ASSOCIATED WITH REPEATER	1

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97023-01				L
J99253E A&M	6	0		N
L	6	1		P, R*
SD-95161-01				M
J98612L	2	0		N*

NOTES:

DESCRIPTION: E-TYPE REPEATER DISABLER PLUG-IN

ISSUE DATE: 11/3/67

E	R	D	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TYPE REPEATER	E1	1
	E2	2
	E3	3
	E13	4
	E23	5
	E6 or E7	6

CODE DIGIT 6		
FEATURE		CODE
WITH DISABLER	YES	D
	NO	0

CODE DIGIT 7		
FEATURE		CODE
POWER SUPPLY	D.C.	1
	A.C.	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95465-01 MD	1,4	0	1	A
SD-95161-01	2,3,4,5	D,O	1,2	B
SD-97023-01	6	D,O	1	C*

NOTES:

DESCRIPTION

E-TYPE REPEATER MOUNTING

ISSUE DATE 1/3/67

E	R	M	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
E6 REPEATER	6	19 22 24 GAUGE H88 HIGH CAPACITY CABLE	H	NO CHOICE	0
		19 GAUGE H88 LOW CAPACITY CABLE OR 19 22 GAUGE D88 HIGH CAPACITY CABLE	L		
		NON-LOADED CABLE	N		
		SXS PULSE REPEATER NET FOR USE WITH DISABLE R	P		
		OFFICE SIDE DUMMY	D		

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97023-01				L
830-TYPE NET		H, L, N		M*
852-TYPE NET		P		M*
832-TYPE NET		D		M*

NOTES:

DESCRIPTION: E-TYPE REPEATER LINE BUILDING OUT NETS PLUG-IN

ISSUE DATE: 11/3/67

E	R	N	L
1	2	3	4

BASIC CODE

CODE DIGIT 5

FEATURE		CODE
TYPE REPEATER	E2	2
	E3	3
	E6	6
	E7	7

CODE DIGIT 6

FEATURE		CODE
E6 E7 E3		0
E2	TERMINAL	T
	INTERMEDIATE	I

CODE DIGIT 7

FEATURE				CODE
TYPE REPEATER	E6 E7	POWER SUPPLY	D.C.	0
	E2		D.C	0
			A.C.	1
	E3		D.C.	0-2
			A.C.	1-3
		ARRANGED FOR RP G.C.O. OFFICE	YES	0-1
			NO	2-3

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95145-01				L
J98612A	2	ALL	0,1	R,S,T*
SD-95203-01				M
J98612B	3	0	ALL	R,S,T*
SD-97023-01				N
J99253A	6	0	0	R*
SD-99705-01				P
J99271A	7	0	0	R*

NOTES:

DESCRIPTION: E-TYPE REPEATER PLUG-IN

ISSUE DATE: 11/3/67

E	R	0	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
TYPE ECHO SUPPRESSOR	1A	1
	2A	2
	3A 3B	3

CODE DIGIT 6

FEATURE				CODE
1A	TOLL SWITCH OR OUTGOING TRUNK		YES	A
			NO	B
2A	OPERATING LEVELS	TRANSMIT / RECEIVE		
		-16	+7	1
		-4	+4	2
		-13	+6	3
		-13	+4	4
		-7	+3	5
3A	3B			0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-5G019-01				L
J68878C MD	2	1 TO 5		N
SD-95924-01	1	A, B		A*
SD-5G022-01				M
J68881B	3	0	C	P*

NOTES:

DESCRIPTION: ECHO SUPPRESSOR AMPLIFIER CIRCUIT

ISSUE DATE: 11/3/67

E	S	A	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6				CODE DIGIT 7	
FEATURE	CODE	FEATURE			CODE	FEATURE	CODE
15 CIRCUIT BAY 11'-6"	1	FOR USE WITH	22 TYPE REPEATER	2 WIRE	1	NO CHOICE	0
				4 WIRE	2		
			X-BAR OFFICE		3		
			44 OR V-TYPE REPEATER OR PBX		4		
			OTHER		5		

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 263.007 J68606K				

NOTES:
ECHO SUPPRESSOR UNITS ESDO MUST BE SPECIFIED AS REQUIRED
STANDARD BAY ARRANGEMENT PER AA 263.007 WILL BE PROVIDED UNLESS SPECIFIED OTHERWISE BY TELCO ENGINEER

DESCRIPTION
1A ECHO SUPPRESSOR BAY - BAY WIRING & JACK FIELD FOR 15 ECHO SUPPRESSORS

ISSUE DATE 7/3/67

E	S	B	1
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
ARRANGED FOR SPEECH COMPRESSOR USE	YES	36 CIRCUIT BAY 11' -6"	1
		30 CIRCUIT BAY 10' -6"	2
	NO	48 CIRCUIT BAY 11' -6"	3
		40 CIRCUIT BAY 10' -6"	4

CODE DIGIT 6

FEATURE		CODE
BATTERY SUPPLY	48 VOLTS	1
	24 VOLTS	2

CODE DIGIT 7

FEATURE	CODE
ESS OFFICE	1
OTHER	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA264.141				
J68881A	3			
B	1			
C	4			
D	2			

NOTES:

PROVIDE ESPC PLUG-IN UNITS IN PARTIALLY EQUIPPED BAYS PER SD-5G022-01 NOTE 105

DESCRIPTION

ECHO SUPPRESSOR BAY-3 TYPE WITH 4 WIRE JACKS

ISSUE DATE 7/3/67

E	S	B	3
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
TYPE ECHO SUPPRESSOR	1A	1
	2A	2
	3A 3B	3

CODE DIGIT 6

FEATURE				CODE
1A	WITH ENABLING OPTION		YES	E
			NO	0
2A	OPERATING LEVELS	TRANSMIT / RECEIVE		
		-16	+7	1
		-4	+4	2
		-13	+6	3
		-13	+4	4
		-7	+3	5
3A 3B				0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59031-01	1	E, 0		A
SD-5G019-01				L
J68878A MD	2	1 TO 5		N
SD-5G022-01				M
J68881AA	3	0		P*

NOTES:

DESCRIPTION: ECHO SUPPRESSOR DISABLER

ISSUE DATE: 11/3/67

E	S	D	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59031-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	E S E 1 (1 2 3 4)
	ECHO SUPPRESSOR - 1A ENABLER	7/3/67	BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TYPE ECHO SUPPRESSOR	2A	2
	3A 3B	

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-5G019-01				L
J68878D MD	2			N
SD-5G022-01				M
J68881AC	3			P*

NOTES:

DESCRIPTION: ECHO SUPPRESSOR LOGIC CIRCUIT

ISSUE DATE: 11/3/67

E	S	L	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TYPE ECHO SUPPRESSOR	2A	2
	3A 3B	3

CODE DIGIT 6		
FEATURE		CODE
ARRANGED FOR SPEECH COMPRESSOR	YES	1-2
	NO	3
3A		1-3
3B		2
2A		1

CODE DIGIT 7		
FEATURE		CODE
BATTERY SUPPLY	48 VOLTS	1
	24 VOLTS	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-5G019-01 MD	2	1		A
SD-5G022-01	3	1 TO 3		B*

NOTES:

DESCRIPTION
ECHO SUPPRESSOR MOUNTING - SPLIT OPERATION

ISSUE DATE
1/3/67

E	S	M	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6		CODE DIGIT 7	
FEATURE		CODE	FEATURE	CODE	FEATURE	CODE
TYPE ECHO SUPPRESSOR	3A 3B	3	NO CHOICE	0	NO CHOICE	0
	3-TYPE DUMMY	D				

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-5G022-01				M
J87245B	3			N*
ED-5G031-30	D			N*

NOTES:

DESCRIPTION: ECHO SUPPRESSOR POWER SUPPLY CONVERTOR — 48V TO 24V

ISSUE DATE: 11/367

E	S	P	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TYPE ECHO SUPPRESSOR	2A	2
	3A 3B	3
3-TYPE DUMMY		D

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-5G019-01 J68878B MD	2			L N M
SD-5G022-01 J68881AD	3			P*
ED-5G030-30	D			P*

NOTES:

DESCRIPTION

ECHO SUPPRESSOR SPEECH COMPRESSOR

ISSUE DATE 11/3/67

E	S	S	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59031-01				A*

NOTES:

DESCRIPTION

ECHO SUPPRESSOR - 2-WAY OPERATION - 1A TYPE

ISSUE DATE 7/3/67

E	S	0	1
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64366-01				A

NOTES:

DESCRIPTION

ECHO SUPPRESSOR - 2 WIRE VOLCAS

ISSUE DATE

7/3/67

E	S	2	V
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
A-TYPE CHANNEL BANK LINK OR LOADED CABLE	A
C CARRIER LINK	C
NON-LOADED LOCAL CABLE	L
V1 AMPLIFIER BETWEEN BRIDGES - 10 DB LOSS	V

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	O

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD	ALL			A
EA15666-SD	ALL			B
SM11605-SD	A, L			C

NOTES:

DESCRIPTION

EQUALIZER - ATTENUATION - TELEPHOTO AND SPECIAL SERVICES

ISSUE DATE 2/1/67

E	Z	A	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6			CODE DIGIT 7	
FEATURE	CODE		FEATURE	CODE	FEATURE	CODE
366 TYPE	6	366 TYPE	ONE A-TYPE CHANNEL BANK LINK	A	NO CHOICE	0
367 TYPE	7		N CARRIER LINK	B		
			ON CARRIER LINK	C		
			426A CUT THRU PLUG	X		
		367 TYPE	TWO A-TYPE CHANNEL BANK LINKS	A		

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99726-01				M
SD-98149-01				
366-TYPE EQUALIZER	6			L N*
367-TYPE EQUALIZER	7			N*

NOTES:

USE WITH MOUNTING EZMB

DESCRIPTION

EQUALIZER - DELAY DISTORTION - B1 DIGITAL SYSTEM (WADS) 366 & 367 TYPE

ISSUE DATE

'11/3/67

E	Z	D	B
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
384 TYPE	4
385 TYPE	5

CODE DIGIT 6

FEATURE			CODE
384 TYPE	TYPE A CHANNEL BANK LINK - AVERAGE		A
	TYPE A CHANNEL BANK LINK - MINIMUM		B
	N CARRIER LINK		C
	T CARRIER LINK - E&M CHANNEL		C
	LL GROUP CONNECTOR	LMX1 CHANNEL 1	D
		LMX1 CHANNEL 12	E
		LMX2 CHANNEL 1	F
		LMX2 CHANNEL 12	G
	JAPANESE CHANNEL BANK LINK		H
			J
	BRITISH MARK II CHANNEL BANK LINK		K
			L
	433A CUT THRU PLUG		X
385 TYPE	VF BAND VARIABLE DELAY	LOW FREQUENCY END	A
		HIGH FREQUENCY END	B

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99750-01 384-TYPE EQUALIZER	4			L M*
385-TYPE EQUALIZER	5			M*
433A PLUG				M*

NOTES:
USE WITH MOUNTING EZMC

DESCRIPTION
EQUALIZER - DELAY DISTORTION - CARRIER CHANNEL LINK 384 & 385 TYPE

ISSUE DATE
11/3/67

E	Z	D	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
200 TYPE	2
26 TYPE	6

CODE DIGITS 6 AND 7

FEATURE	CODE
	AO
	BO
	CO
	DO
	EO
	FO
	GO
	HO
	JO
	KO
	LO
	MO
	NO
	PO
	RO
	SO
	TO
	UO
	WO
	YO
	AA
	AB
	AC
	AD
	AE
	AF
	AG
	AH
	AJ
	AK
	AL

FEATURE	CODE

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
WA12479-SD				L*
SD-1G002-01				A*
SD-64181-01				B
SD-64182-01				C
SD-64182-02				D
SD-64182-03				E
SD-64182-04				F
SD-64182-05				G

NOTES:

DESCRIPTION

EQUALIZER - DELAY DISTORTION - TELEPHOTO AND SPECIAL SERVICES
200 & 26 TYPE EQUALIZERS

ISSUE DATE
11/3/67

E	Z	D	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99726-01 SD-98149-01				A B*

NOTES:

DESCRIPTION

EQUALIZER MOUNTING - B1 DIGITAL SYSTEM

ISSUE DATE 7/3/67

E	Z	M	B
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6			CODE DIGIT 7		
FEATURE	CODE	FEATURE		CODE	FEATURE		CODE
PRE-EQUALIZATION	1	LEVEL CONTROL PAD REQUIRED	YES	1	ECHO SUPPRESSOR CONNECTION REQUIRED	YES	1
POST-EQUALIZATION	2		NO	2		NO	2
PRE OR POST EQUALIZATION	3						

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99750-01				A*

NOTES:

POSITIONS 1 TO 4 EZDC UNITS
POSITIONS 5 & 6 VREL UNITS
SEE SD-99750-01 NOTE 107

DESCRIPTION

EQUALIZER MOUNTING – AMPLITUDE AND DELAY WITH FLAT GAIN AMPLIFIER - CARRIER CHANNEL LINK

ISSUE DATE 7/3/67

E	Z	M	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
MOUNTING FOR 1 3-UNIT & 2 2-UNIT PLUG-IN EQUALIZERS	200 TYPE	2
	26 TYPE	6

CODE DIGIT 6		
FEATURE		CODE
SECTIONS IN TANDEM	NONE	1
	1 & 2	2
	1 & 3	3
	2 & 3	4

CODE DIGIT 7		
FEATURE		CODE
NUMBER OF CUT THRU PLUGS REQUIRED	1	1
	2	2
	3	3
	4	4
	NONE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
WA12479-SD				A*

NOTES:

DESCRIPTION
EQUALIZER MOUNTING - DELAY DISTORTION
FOR TELEPHOTO & SPECIAL SERVICES - 200 TYPE EQUALIZER

ISSUE DATE
5/1/67

E	Z	M	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
WITH TEST JACKS	NO. 5 X-BAR	90 CIRCUIT SINGLE BAY 11'-6"	1
		180 CIRCUIT DOUBLE BAY 11'-6"	2
	NO. 1 ESS	54 CIRCUIT SINGLE BAY 7'-0"	3
		114 CIRCUIT DOUBLE BAY 7'-0"	4
	OTHER	90 CIRCUIT BAY 11'-6"	5
		66 CIRCUIT BAY 9'-0"	6
		12 CIRCUIT UNIT	7
WITHOUT TEST JACKS		96 CIRCUIT BAY 11'-6"	8
		72 CIRCUIT BAY 9'-0"	9

CODE DIGIT 6		
FEATURE		CODE
NO CHOICE		0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.111				
J99253BF	1			
BG	2			
BH	3			
BJ	4			
BC	5			
BD	6			
BA	7			
BB	8			
BD	9			

NOTES:

DESCRIPTION

E6 & E7 REPEATER BAY — WITH DISABLERS

ISSUE DATE 7/3/67

E	6	B	D
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
WITH TEST JACKS	NO. 5 X-BAR	144 CIRCUIT BAY 11'-6"	1
	OTHER	144 CIRCUIT BAY 11'-6"	2
		108 CIRCUIT BAY 9'-0"	3
WITHOUT TEST JACKS		156 CIRCUIT BAY 11'-6"	4
		120 CIRCUIT BAY 9'-0"	5

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.111				
J99253AR	1			
AC	2			
AM	3			
AA	4			
AL	5			

NOTES:

DESCRIPTION

E6 & E7 REPEATER BAY — WITHOUT DISABLERS

ISSUE DATE 7/3/67

E	6	B	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21616-SD				C
EA15666-SD				B
SM11605-01				A

NOTES:

DESCRIPTION

FILTER - LOW FREQUENCY NOISE

ISSUE DATE 7/3/67

F	L	N	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO V3 REPEATER	YES	1
	NO	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64304-01 MD	2			A
SD-64903-01 MD	1			B
SD-64903-03 MD	ALL			C
SD-59002-01	2			E
SD-95144-01	ALL			D*

NOTES:

DESCRIPTION

FILTER — 2400 CYCLE CUT-OFF

ISSUE DATE 1/3/67

F	L	2	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
CONNECTS TO V3 REPEATER	YES	1
	NO	2

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64304-01 MD	2			A
SD-64903-01 MD	1			B
SD-64903-03 MD	ALL			C
SD-59002-01	2			E
SD-95144-01	ALL			D*

NOTES:

DESCRIPTION

FILTER — 2800 CYCLE CUT-OFF

ISSUE DATE 1/3/67

F	L	2	8
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO V3 REPEATER	YES	1
	NO	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64304-01 MD	2			A
SD-64903-01 MD	1			B
SD-64903-03 MD	ALL			C
SD-59002-01	2			E
SD-95144-01	ALL			D*

NOTES:

DESCRIPTION

FILTER - 3500 CYCLE CUT-OFF

ISSUE DATE 1/3/67

F	L	3	5
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
FACILITY	COIL	
O.W. STEEL M-66 H-88	173B	B
H-135 H-172 H-175 D-175 B-88 B-135 B-175	173C	C
N. L. 10-22 GA.	173D	D
O.W. COPPER N. L. 24GA B-22N	173E	E

CODE DIGIT 6

FEATURE				CODE
OFFICE COMPROMISE NET REQUIRED	YES	OFFICE IMPEDANCE	600 OHMS	1
			1000 OHMS	2
			1600 OHMS	3
	NO			4

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01	ALL	4		A
SD-64903-01 MD	ALL	ALL		B
SD-64903-03 MD	B, D, E,	3		C
SD-95144-01	ALL	ALL		D*

NOTES:

DESCRIPTION

REPEAT COIL HYBRID - 173 TYPE - 2 WIRE E/W 1C PAD - LOOP OR MID-COIL SIGNALING

ISSUE DATE 1/3/67

H	Y	L	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
FACILITIES	COIL	
O.W. STEEL M-88 H-88 H-106 B-50	173B	B
H-135 H-172 H-175 D-175 B-88 B-135 B-175	173C	C
N.L. 10-22 GA. H-25	173D	D
O.W. COPPER N.L. 24GA H-50 H-32 H-63	173E	E
PHANTOM GROUP FACILITIES	COILS	
H-88-50 H-86-32 O.W. STEEL	173B/E	1
B-88-50 H-174-106	173C/B	2
H-172-63	173C/E	3
H-44-25 O.W. COPPER	173E/D	4

CODE DIGIT 6		
FEATURE		CODE
4W SWITCHING OFFICE WITHOUT LINE BALANCE NET OR TERMINAL REPEATER		1-2
OPEN WIRE CIRCUIT WITH SX OR PHSX LEADS CONNECTED TO CABLE WITH K-CARRIER		3-4
OTHER		5-6
PHANTOM GROUP	YES	1-3-5-7
	NO	2-4-6-8
MODIFIED TO RC73		7-8

CODE DIGIT 7		
FEATURE		CODE
TYPE SIGNALING	RINGDOWN OR ECX	0
	1000 CYCLES	1
	20 CYCLES	2
	C CX	3
	135 CYCLES	4

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01	ALL	3 TO 8	0	A
SD-64903-01 MD	ALL	1, 2, 5, 6, 7, 8	ALL	B
SD-64903-03 MD	ALL	ALL	0	C
SD-95144-01	ALL	1 TO 6	0, 3, 4	D*

NOTES:

DESCRIPTION

REPEAT COIL HYBRID - 2 WIRE V REPEATER - OTHER THAN LOOP SIGNALING

ISSUE DATE 7/3/67

H	Y	0	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99415-01				A*

NOTES:

DESCRIPTION
AUXILIARY LINE CIRCUIT - SPECIAL SERVICE NETWORK
ONE-WAY DIAL WITH GROUND START

ISSUE DATE
7/3/67

L	C	A	N
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
OFF-HOOK RERING REQUIRED	YES	1
	NO	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-27517-01				A*

NOTES:

THIS CIRCUIT IS CODED IN B.S.P. TRUNK TABLES FOR NO. 5 X-BAR AS G123

DESCRIPTION

LINE CIRCUIT — AUXILIARY 4-WIRE WITH E&M SUPERVISION NO. 5 X-BAR STATION END

ISSUE DATE 1/3/67

L	C	A	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98139-01 J70144A				L M*

NOTES:

USES MOUNTING SFMO

DESCRIPTION

LINE CIRCUIT - DIVIDED ACCESS

ISSUE DATE

11/3/67

L	C	D	A
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
INDUCTOR TYPE	CROSSTALK INTERFERENCE	YES	1-2
		NO	3-4
	60 CYCLE INTERFERENCE	YES	1-3
		NO	2-4
RELAY TYPE	24V OFFICE		A
	48V OFFICE	ESS	C
		OTHER	B

CODE DIGIT 6

FEATURE			CODE
INDUCTOR TYPE		SINGLE	1
		PAIRED	2
RELAY TYPE	E/W MAIN STATION MONITOR & CONTROL	YES	A
		NO	B

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95973-01	1,2,3,4	1,2		A*
SD-96468-01	A,B,C	A,B		B*
SD-96240-01 MD	A,B	A		C

NOTES:

DESCRIPTION

LINE CIRCUIT — SUBSCRIBER LOOP BRIDGE LIFTER

ISSUE DATE 9/1/67

L	C	L	B
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
24V TALK & 24V SIGNAL BATTERY	1
48V TALK & 24V SIGNAL BATTERY	2
48V TALK & 48V SIGNAL BATTERY	3

CODE DIGIT 6		
FEATURE		CODE
LAMP PROTECTION REQUIRED	YES	1
	NO	2

CODE DIGIT 7				
FEATURE				CODE
TYPE OFFICE	MANUAL PANEL SXS NO. 1XB NO. 5XB	TRIPPING RELAY	114KA	0
	NO. 5XB		AJ47	1
	NO. 1ESS		AJ118	2
			AJ119	3

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-90229-01 MD	1,2	2	0,1	C
SD-96050-01 MD	1,2	2	ALL	D
SD-20259-01 MD	1,3	2	0	E
SD-96128-01	1,2	1,2	0	A*
SD-96147-01	3	1,2	0	B*

NOTES:

DESCRIPTION

LINE CIRCUIT - PRIVATE LINE AUTOMATIC MACHINE RINGING

ISSUE DATE 9/1/67

L	C	P	A
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		TYPE COIL	CODE
1000 CYCLE TRUNK IMPEDANCE	UNDER 1200 OHMS	120E	E
	OVER 1200 OHMS (1)	120F	F
	CONVERTIBLE	120G	G

CODE DIGIT 6

FEATURE				CODE
3C OR 3CL TYPE SWITCHBOARD				1-2-3-4-5-6
3 TYPE SWITCHBOARD				A-B-C-D-E-F
DIAL TERMINATING SERVICE CONNECTION	NO			1-A
	YES	NO. 1 XB		2-B
		NO. 5 XB		3-C
		S X S		4-D
		PANEL	BCO	5-E
			GCO	6-F
1 TYPE SWITCHBOARD				Z

CODE DIGIT 7

FEATURE		CODE
OFFICE B.O.C. REQUIRED	YES	1-2
	NO	3-4
2DB FIXED PAD REQUIRED	YES	1-3
	NO	2-4

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-62486-01 MD	ALL	1,A	ALL	A
SD-62519-01 MD	E	1	3	B
SD-62487-01 MD	E	Z	2,4	E
SD-56389-01	ALL	ALL	ALL	C*
SD-56501-01	ALL	1,A	ALL	D*

NOTES:
(1) SPECIFY 120E OR 120G COIL IF SUB TALK BATTERY IS FURNISHED BY THIS CIRCUIT

DESCRIPTION
LINE CIRCUIT - TOLL SUBSCRIBER - NO. 3-TYPE SWITCHBOARD WITH DIAL TERMINAL SERVICE

ISSUE DATE 1/3/67

L	C	T	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
20 CYCLE SIGNALING	1
DC SIGNALING	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
EA15666-SD	1,2			A
SM11605-SD	1,2			B

NOTES:

DESCRIPTION

MULTI-STATION AUXILIARY SIGNALING RELAY -
10 STATION 20 CYCLE OR DC SIGNALING

ISSUE DATE 1/3/67

M	S	A	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
APPLIQUE FOR DC CONTROL LEADS	1000/DC OR 20/DC	1
	SF OR CX	2
	E&M CX SX RD/DC	3
	NONE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
WA21633-SD	ALL			B
EA13338-SD	0, 2			A

NOTES:	DESCRIPTION	ISSUE DATE	M S C S
	MULTI-STATION - CODE SIGNALING FOR PRIVATE LINE SERVICE E&M CX SX RINGDOWN SIGNALING - 10 STATIONS	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				A*

NOTES:

DESCRIPTION

MULTI-STATION RELAY - CONTROL CIRCUIT FOR ONE LINE

ISSUE DATE

7/3/67

M	S	C	1
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				A*

NOTES:

DESCRIPTION

MULTISTATION RELAY - CONTROL CIRCUIT FOR TWO LINES

ISSUE DATE 7/3/67

M	S	C	2
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				A*

NOTES:

DESCRIPTION

MULTISTATION RELAY - CONTROL CIRCUIT FOR THREE LINES

ISSUE DATE 7/3/67

M	S	C	3
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
LOOP OR TWO SX LEGS	MIDPOINT CAPACITOR IN CONNECTING CIRCUIT	YES	1
		NO	2
ONE SX LEG			3

CODE DIGIT 6

FEATURE		CODE
SG LEAD REQUIRED	YES	1
	NO	2

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:

DESCRIPTION

MULTI-STATION RELAY — ONE SIGNALING CIRCUIT — CABLE

ISSUE DATE 1/3/67

M	S	L	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CX ON PAIR		1-2
CX LEG		3-4
TWO SX LEGS		5-6
MIDPOINT CAPACITOR IN CONNECTING CIRCUIT	YES	1-3-5
	NO	2-4-6

CODE DIGIT 6		
FEATURE		CODE
SG LEAD REQUIRED	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:	DESCRIPTION	ISSUE DATE	M S L Ø
	MULTI-STATION RELAY — ONE SIGNALING CIRCUIT — OPEN WIRE OR CABLE	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				A*

NOTES:

DESCRIPTION
MULTISTATION RELAY - LINE SWITCHING CIRCUIT

ISSUE DATE
7/3/67

M	S	L	X
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
CX ON PAIR	1
TWO SX LEGS	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:

DESCRIPTION

MULTI-STATION RELAY — TWO SIGNALING CIRCUITS — OPEN WIRE OR CABLE

ISSUE DATE 1/3/67

M	S	L	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
CX LEGS	1
SX LEGS	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:

DESCRIPTION

MULTI-STATION RELAY — THREE SIGNALING CIRCUITS — OPEN WIRE OR CABLE

ISSUE DATE 1/3/67

M	S	L	3
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				A*

NOTES:

DESCRIPTION

MULTISTATION RELAY - LOOP PAD CIRCUIT

ISSUE DATE 7/3/67

M	S	Ø	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
NORMAL CONDITION OF TRANSMITTING SIDE	OPEN	1
	CLOSE	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:

DESCRIPTION

MULTI-STATION RELAY — IDLE LOOP TERMINATION

ISSUE DATE 1/3/67

M	S	Ø	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
IDLE LINE TERMINATION REQUIRED	YES	1
	NO	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:

DESCRIPTION

MULTI-STATION RELAY — LOOP SWITCHING

ISSUE DATE 1/3/67

M	S	Ø	X
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
TYPE SIGNALING	1000 CYCLE	1
	20 CYCLE	2
	135 CYCLE	3
	D.C. 2-WIRE	4
	D.C. 4-WIRE	5

CODE DIGIT 6		
FEATURE		CODE
TERMINATION DURING SIGNALING REQUIRED	YES	1
	NO	2

CODE DIGIT 7		
FEATURE		CODE
START LEAD REQUIRED	YES	1
	NO	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55647-01				B*

NOTES:	DESCRIPTION	ISSUE DATE	M S S O (1 2 3 4)
	MULTI-STATION RELAY — SIGNALING CIRCUIT	1/3/67	BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64303-01 MD SD-59329-01				A B*

NOTES:

DESCRIPTION

PAD - FIXED VF TRANSMISSION
** VALUE IN DB

ISSUE DATE 7/3/67

P	D	*	*
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE*
SD-64303-01 MD SD-55647-01 SD-59329-01 21616-SD EA15666-SD SD1G002-01 SD-95144-01				E D C G G F B*

NOTES:

DESCRIPTION

PLUG-IN PAD MOUNTING 1C PADS 2-WIRE USE

ISSUE DATE 7/3/67

P	D	M	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
CARRIER VF PATCH BAY	V
CIRCUIT PATCH BAY	P
MULTI-STATION BRIDGE	B

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64303-01 MD	V			B
SD-68327-01	P			C
SD-59329-01	V			A*
SD-55647-01	B			D*
SD-95144-01	V			E*
SD-64903-01 MD	V			F

NOTES:

DESCRIPTION

PLUG-IN PAD MOUNTINGS 1C 4 WIRE USE

ISSUE DATE 1/3/67

P	D	M	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
OFFICE TRUNK IMPEDANCE	600 OHMS	1
	900 OHMS	2
	1500 OHMS	3

CODE DIGIT 6		
FEATURE		CODE
XBT OUTGOING TRUNK WITHOUT RELAY EQUIPMENT AND REQUIRES B.O.C.	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95756-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	P D Ø 2
	2 WIRE 2DB FIXED PAD & OFFICE B.O.C.	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99766-01 ED-99791-30				L M*

NOTES:
USES MOUNTING PLMC

DESCRIPTION
PULSE LINK - M LEAD CORRECTOR FOR SXS OFFICE

ISSUE DATE
11/3/67

P	L	C	M
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99766-01				A*

NOTES:

DESCRIPTION
PULSE LINK MOUNTING - M LEAD CORRECTOR FOR SXS OFFICE

ISSUE DATE
7/3/67

P	L	M	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95095-01				A*

NOTES:

DESCRIPTION
PULSE LINK CIRCUIT - E&M LEAD WITH RELAY

ISSUE DATE
7/3/67

P	L	R	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95311-01				A*

NOTES:

DESCRIPTION
PULSE LINK CIRCUITS - E&M LEAD FOR TELEGRAPH CHANNEL

ISSUE DATE
7/3/67

P	L	T	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95043-01				A*

NOTES:

DESCRIPTION

PULSE LINK CIRCUIT - E&M LEAD WITHOUT RELAY

ISSUE DATE 7/3/67

P	L	0	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
20 CYCLE REPEAT COIL	CONNECTS TO D.C. BLOCKING CIRCUIT	YES	1-2
		NO	3-4
	OPEN WIRE CIRCUIT WITH SX OR PHSX LEADS CONNECTED TO CABLE WITH K-CARRIER	YES	1-3
		NO	2-4
RETARD COIL FOR PHSX LEG			5
D.C. BLOCKING CIRCUIT FOR TERMINAL USE			6

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64903-01 MD	2, 4, 5, 6			A
SD-64903-03 MD	ALL			B
SD-55357-01	4, 5			D
SD-95144-01	ALL			C*

NOTES:

DESCRIPTION
20 CYCLE REPEAT COIL CIRCUIT - 175A - 20 CYCLE SIGNALING WITH V-TYPE LINE EQUIPMENT

ISSUE DATE 1/3/67

R	C	A	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5				
FEATURE				CODE
FACILITY			120 TYPE COIL	
LOCAL TRUNK	IMPEDANCE RATIO OF TRUNK TO OFFICE	UP TO .8	E	E
		.8 TO 1.25	C	C
		OVER 1.25	D	D
INTERTOLL TRUNK	1000 CYCLE IMPEDANCE OF TRUNK TO LOOP TRUNK	UP TO 720 OHMS	C	C
		720 TO 1125 OHMS	E	E
		OVER 1125 OHMS	F	F
		OVER 720 OHMS	G	G

CODE DIGIT 6			
FEATURE			CODE
LOCAL TRUNK	MANUAL	YES	1-2
		NO	3-4
	REPEATERED CIRCUIT	YES	1-3
		NO	2-4
INTERTOLL TRUNK			5

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95015-01				A*

NOTES:

DESCRIPTION

REPEAT COIL & COMPROMISE NET - 120 TYPE COIL

ISSUE DATE 1/3/67

R	C	C	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5				
FEATURE				CODE
IMPEDANCE RATIO OF TRUNK TO OFFICE	UP TO 1.25	94 TYPE COIL	E	E
	OVER 1.25		F	F

CODE DIGIT 6		
FEATURE		CODE
REPEATERED CIRCUIT	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95015-01				A*

NOTES:

DESCRIPTION

REPEAT COIL & COMPROMISE NET — 94 TYPE COIL

ISSUE DATE 1/3/67

R	C	C	M
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
TOLL OFFICE	600 OHMS	62 TYPE COIL	F	F
OTHER OFFICE IMPEDANCE	600 OHMS	62 TYPE COIL	A	A
	1000 OHMS	62 TYPE COIL	C	C
	1600 OHMS	62 TYPE COIL	E	E

CODE DIGIT 6

FEATURE	CODE
22-TYPE REPEATER	1
V-TYPE REPEATER	2

CODE DIGIT 7

FEATURE		CODE
CONNECTS TO INTERTOLL TRUNK	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95015-01				A*

NOTES:

DESCRIPTION

REPEAT COIL & COMPROMISE NET — 62 TYPE COIL

ISSUE DATE 1/3/67

R	C	C	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
111C REPEAT COIL	C	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-62465-01 MD SD-64755-01				A B*

NOTES:

DESCRIPTION
REPEAT COIL - 111 TYPE FOR B22 PROGRAM FACILITIES

ISSUE DATE
7/3/67

R	C	1	1
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
LINE TO DROP IMPEDANCE RATIO	1:1	120 TYPE COIL (1)	C	C
			H	H
	1.5:1		E	E
			K	K
	2.5:1		F	F
			L	L
	1.5/2.5:1		G (2)	G
	1:1.5		D	D
			J	J
FACILITY	H-88 H-44		E	E
			K	K
	H-50 H-25		H	H
	B-88 H-172		F	F
			L	L
	B-50 H-63		K	K
IMPEDANCE RATIO	5/3:1		P	P
PHANTOM GROUP COIL COMBINATIONS			K/C	1
			L/E	2
			H/D	3
			K/E	4
			H/C	5
			J/D	6
			H/E	7
			J/C	8

CODE DIGIT 6

FEATURE				CODE
2 WIRE	DX SIGNALING	CONNECTS TO TRUNK WITH A&B LEAD CAPACITOR	YES	1
			NO	2
	E CX	CONNECTS TO SIGNAL CONVERTER OR INTERTOLL TRUNK		7
		MANUAL TRUNK		8
		4W TERM SET		9
4 WIRE	INPUT			A
	OUTPUT			B
OTHER				3

CODE DIGIT 7

FEATURE				CODE
2 WIRE	CONNECTS TO	600 OHM OFFICE		1
		900 OHM OFFICE		2
4 WIRE	RECEIVE LINE EQUALIZATION		YES	A
			NO	B

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95492-01 MD	C, D, E	1, 2	2	E
SD-95004-01	ALL	7, 8, 9	1, 2	C
ES-97105-01	P	3	1, 2	D*
SD-96452-01	C, D, E, F, G, H, J, L, K	1, 2	1, 2	H*
SD-95305-01	ALL	7, 8, 9	1, 2	F*
SD-95144-01	C, D, E, F, G, H, K, L, J	A, B	A, B	G*

NOTES: (1) THE 120 H, J, K & L ARE FOR USE WITH QUADDED FACILITIES.
(2) COILS WILL BE FURNISHED WITH 2.5:1 OPTION UNLESS 1.5:1 IS SPECIFIED

DESCRIPTION
REPEAT COIL CIRCUIT - 120 TYPE DX SIGNALING - 2 WIRE OR 4 WIRE

ISSUE DATE 1/3/67

R	C	1	2
1	2	3	4
BASIC CODE			

CODE DIGIT 5		
FEATURE		CODE
TYPE COIL	119B	B
	119C	C
	119D	D
	119E	E

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-62465-01 MD SD-64429-01 MD SD-64755-01				A B C*

NOTES:

DESCRIPTION
REPEAT COIL - 119 TYPE FOR PROGRAM TRANSMISSION

ISSUE DATE
7/3/67

R	C	1	9
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	1:1	2500A COIL	A
	1:2	2500B COIL	B

CODE DIGIT 6		
FEATURE		CODE
D.C. BLOCKING REQUIRED	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95710-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	R C 2 5
	LINE & BALANCING REPEAT COIL CIRCUIT — 2500 TYPE	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	1:1.28	F	F
	1:1.62	B	B
	1:2.34	G	G
	1:1	A	A
	1.62:1	C	C
	2.66:1	E	E
FACILITIES	H-88 B-50	C	C
	H-44 H-50 H-63	A	A
	B-88 H-172	E	E
	H-25	B	B
MODIFIED FOR PHANTOM GROUP USE	62 TYPE COIL	C/A	1
		E/C	2
		A/B	3
		E/A	4
		F/G	5

CODE DIGIT 6

FEATURE			CODE
DROP MID-COIL CAPACITOR IN MF		-	0
		1	1
		2	2
		4	4
CONNECTS TO A&B LEAD TRUNK			Z
4 WIRE GROUP EQUIPMENT	NON-CX	INPUT	A
		OUTPUT	B
	C CX	INPUT	C
		OUTPUT	D

CODE DIGIT 7

FEATURE				CODE
C CX OR NON-CX	USED AS A PHANTOM BALANCE COIL	YES		Y
		NO		Z
E CX		YES	SIDE COILS 62A 62C 62E	3
			SIDE COILS 62B	4
		NO		9
DX SIGNALING				X

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60782-01 MD	A TO G	0 TO 4	Y, Z	A
SD-60208-01 MD	A, B, C, E	2, 4	Y, Z	L
SD-60782-02	A, E, F, G	1, 2, 4	Y, Z	B
SD-96452-01 MD	A, B, C, E	0, Z	X	I
SD-55357-01	1 TO 5	0 TO 4	3, 9	J
SD-95004-01	1 TO 5	Z	Z	D
SD-95022-01	A TO G	0, 1, Z	Z	G
SD-63811-01-02-03 MD	1, 2, 4	1, 4	Z	H
SD-60980-01 MD	E, A	1	Y	M
SD-63666-03 A&M	E, A, 4	0 TO 4	Y	E
SD-60979-01 MD	C, E	A, B, C, D	Z	K
SD-63690-01 MD	C	A, B, C, D	Z	N
SD-60782-03	A TO G	Z	Z	C*
SD-95305-01	A, B, C, E, F	Z, 0, 1	3, 4, 9	F*

NOTES:

A REPEAT COIL GROUP CONSISTS OF 4 COILS

DESCRIPTION

LINE & BALANCING REPEAT COIL GROUP - 62 TYPE

ISSUE DATE 11/3/67

R	C	6	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	.85:1 OR 3.4:1	B	B
	1.15:1 OR 4.6:1	C	C
	.30:1 OR 1.2:1	D	D
	.50:1 OR 2:1	E	E
FACILITIES			
H-25 H-32 B-22 H-31 H-135 D-175 B-135 B-175 22 NL 165S 128S 114S 104S 0W	173 TYPE COIL	B	B
H-44 H-50 H-63 B-50 M-88 24 NL		C	C
10/13 NLS 16/19 NL PH		D	D
H-88 H-86 H-172 H-106 H-135 H-175 H-18 B-88 D-88 16/19 NL S 165P 128P 114P 104P 0W		E	E
H-88-50 H-172-63		E/C	1
H-44-25		C/B	2
104 OW GROUP		B/E	3

CODE DIGIT 6

FEATURE		CODE
4 WIRE INPUT		1-2
4 WIRE OUTPUT		3-4
2-WIRE		5-6
PHANTOM GROUP	YES	1-3-5
	NO	2-4-6
4-WIRE INPUT & OUTPUT - ORDER WIRE		7

CODE DIGIT 7

FEATURE	CODE
LOOP SIGNALING	1
TYPE E CX SET OR 20 CYCLE SIGNALING	2
BRIDGE TYPE CX SET	3
SERIES TYPE CX SET OR NON-CX	4

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64903-01 MD	ALL	1 TO 4, 7	3,4	E
SD-95144-01	ALL	1 TO 6	ALL	G*

NOTES:

DESCRIPTION

REPEAT COIL CIRCUIT - 173 TYPE

ISSUE DATE

7/3/67

R	C	7	3
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	1:1	A	A
	1:1.62	B	B
	1.62:1	F	F
	2.66:1	G	G
PHANTOM GROUP COIL COMBINATIONS	75 TYPE COIL	F/A	1
		G/F	2
		A/B	3
		G/A	4

CODE DIGIT 6

FEATURE		CODE
DROP MID-COIL CAPACITOR IN MF	-	0
	1	1
	2	2
	4	4

CODE DIGIT 7

FEATURE		CODE
USED AS A PHANTOM BALANCE COIL	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60782-01	A TO G	ALL	ALL	A
ES-60524-01	A, B, 3	0, 1, 2	ALL	B
SD-55357-01	ALL	ALL	ALL	C

NOTES:

DESCRIPTION

LINE AND BALANCING REPEAT COIL GROUP - 75 TYPE

ISSUE DATE 1/3/67

R	C	7	5
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60782-01 SD-95004-01 SD-95022-01				C A B*

NOTES:
2 COILS PER UNIT

DESCRIPTION
REPEAT COIL - 91A FOR NON-REPEATERED TOLL USE

ISSUE DATE
7/3/67

R	C	9	1
1	2	3	4

BASIC CODE

CODE DIGIT 5

FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	1:1.62	B	B
	1:1	A	A
	1.24:1	H	H
	1.62:1	F	F
	2.28:1	J	J
	2.66:1	G	G
FACILITIES	H-88	F	F
	H-50 H-44 H-63	A	A
	B-88	J	J
	B-50	H	H
	H-25	B	B
	H-172	G	G
1000 CYCLE LINE OR TRUNK IMPEDANCE	UP TO 555 OHMS	B	B
	566 OHMS - 790 OHMS	A	A
	791 OHMS - 1010 OHMS	H	H
	1011 OHMS - 1360 OHMS	F	F
	1361 OHMS - 1715 OHMS	J	J
	1716 OHMS & UP	G	G
MODIFIED FOR PHANTOM GRCUP USE		F/A	1
		J/H	2
		A/B	3
		G/A	4

(93 TYPE COIL)

CODE DIGIT 6

FEATURE		CODE
DROP MID-COIL CAPACITOR IN MF	-	0
	1	1
	2	2
	4	4
NON-CX TO A&B LEAD TRUNK		Z

CODE DIGIT 7

FEATURE				CODE
C CX OR NON-CX		YES		Y
		NO		Z
E CX	USED AS A PHANTOM BALANCE COIL	YES	SIDE COILS 93A	3
			SIDE COILS 93B	4
			SIDE COILS 93F	5
			SIDE COILS 93G	6
			SIDE COILS 93H	7
			SIDE COILS 93J	8
		NO		9

CODE DIGIT 8

REFERENCE		DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60208-01	MD	A, B, F, G	2, 4	Y, Z	A
SD-60782-01	MD	A TO J	0 TO 4	Y, Z	K
SD-60782-02	MD	A, B, G	1, 2, 4	Y, Z	L
SD-60782-03		A, B, F, G, J	Z	Z	M
SD-63275-01		A, B, 3	1	Y	C
SD-55357-01		1 TO 4	0 TO 4	3 TO 9	B
SD-95022-01		A, B, F, G	0, 4, Z	Z	G
SD-63811-01	MD	1, 2, 4	1, 4	Z	H
SD-63811-02	MD	1, 2, 4	1, 4	Z	S
SD-63811-03	MD	1, 2, 4	1, 4	Z	T
SD-63666-01		J, H, 2	0 TO 4	Y	N
SD-63666-02		F, A, 1	0 TO 4	Y	P
SD-63666-03	A&M	G, A, 4	0 TO 4	Y	R
SD-95004-01		1 TO 4	Z	Z	J
SD-60980-01	MD	A, B, G	0, 1, 2	Y, Z	I
ES-60524-01	MD	A, B, 3	0, 1, 2	Y, Z	E
SD-60782-04		A, F, H, J	0 TO 4	Y, Z	D*
SD-95305-01		A TO J	0, 1	3 TO 9	F*

NOTES:
A REPEAT COIL GROUP CONSISTS OF 4 COILS

DESCRIPTION
LINE & BALANCING REPEAT COIL GROUP - 93 TYPE

ISSUE DATE 11/3/67

R	C	9	3
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
LINE TO DROP IMPEDANCE RATIO	1:1	102A COIL	A
	1.62:1	102B COIL	B

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95004-01	A,B			A
SD-95022-01	A,B			B

NOTES:

DESCRIPTION

REPEAT COIL CIRCUIT – 102 TYPE

ISSUE DATE

1/3/67

R	C	0	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
4-WIRE		1-2
2-WIRE		3-4
INTERMEDIATE APPLIQUE REQUIRED	YES	1-3
	NO	2-4

CODE DIGIT 6	
FEATURE	CODE
THREE TUBE	1
TWO TUBE	2

CODE DIGIT 7		
FEATURE		CODE
BATTERY SUPPLY	130V REGULATED	1
	130V NON-REGULATED	2
	152V	3
	A.C.	4

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-61385-01, SD-61832-01 MD	3,4	2	2	A
SD-68003-01 MD	2	2	1	B
SD-64419-01	4	2	ALL	C*
SD-55392-01, SD-55393-01	ALL	1,2	1,2	D*

NOTES:

DESCRIPTION

RINGDOWN SIGNALING CIRCUIT — 1000 CYCLE/D.C. SIGNALS

ISSUE DATE 1/3/67

R	D	1	D
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TERMINAL	22-TYPE REPEATER	YES	1
		NO	2
INTERMEDIATE		YES	3
		NO	4
4-WIRE WITH ASSOCIATED TERM SET			5

CODE DIGIT 6

FEATURE	CODE
ONE TUBE	1
TWO TUBE	2

CODE DIGIT 7

FEATURE		CODE
DIRECTIONAL SELECTION	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-60467-01 MD, SD-61393-02	1,5	1,2	1	A
SD-61385-01-03 MD, SD-61390-01-02-03	1	2	1,2	B
SD-61385-01-04 MD, SD-61391-01-02	3	2	1	B
SD-64419-01	1,2,3,4	2	1	C*

NOTES:

DESCRIPTION

RINGDOWN SIGNALING CIRCUIT — 1000/20 CYCLE SIGNALS

ISSUE DATE 1/3/67

R	D	1	2
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-61385-01 SD-61385-05				A B

NOTES:

DESCRIPTION
RINGDOWN SIGNALING CIRCUIT - 1000 / 135-CYCLE SIGNALS

ISSUE DATE
7/3/67

R	D	1	3
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

	FEATURE	CODE
2-WIRE	BACK-TO-BACK AT NON REPEATER POINT, AT 22-TYPE REPEATER POINTS, OR WITH 4W MULTI-STATION LINE CIRCUIT	1
2-WIRE	OTHER	2
4-WIRE	TANDEM PATCH CIRCUIT	3
4-WIRE	V-TYPE REPEATER POINT	4

CODE DIGIT 6

	FEATURE	CODE
CONNECTS TO	TRUNK CIRCUIT	1
CONNECTS TO	NO. 3 OR NO. 11 SWITCHBOARD WITHOUT SG LEAD	2
CONNECTS TO	NO. 1 SWITCHBOARD	3

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE		DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-68001-01	MD	4	1		C
SD-55273-01	MD	3	1		D
SD-55194-01	A&M	1, 2	2, 3		E
SD-55512-01	MD	2	1		F
SD-55435-01	MD	2	1, 2, 3		G
SD-62120-01	MD	2	2		A
SD-62629-01	MD	2	2		B
SD-64428-01	MD	2	2		J
SD-55560-01		1, 2	1, 2, 3		H*
SD-63387-01	MD	2	2		K

NOTES:

DESCRIPTION

RINGDOWN SIGNALING CIRCUIT - 20 CYCLE/D.C. SIGNALS

ISSUE DATE 9/1/67

R	D	2	D
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-62006-01				A
SD-62006-02				B
SD-62135-01				C

NOTES:

DESCRIPTION
RINGDOWN SIGNALING CIRCUIT - 20 / 20-CYCLE SIGNALS

ISSUE DATE
7/3/67

R	D	2	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
TERMINAL OR INTERMEDIATE	1
TERMINAL WITHOUT SG LEAD	2
NO. 4 SWITCHING SYSTEM	3
CONNECTS TO 4-WIRE TERM CIRCUIT	4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-62630-01	1			A
SD-55172-01	1			B
SD-62119-01	2			C
SD-68002-01	3			D
SD-62630-02	4			E
ES-60636-01	2			F

NOTES:

DESCRIPTION

RINGDOWN SIGNALING CIRCUIT - 135 CYCLE/D.C. SIGNALS

ISSUE DATE 1/3/67

R	D	3	D
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
WITH FILTER	1
WITHOUT FILTER	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ES-60213-01	1,2			A
ES-60717-01	1,2			B
SD-60213-02	1,2			C
SD-60213-03	2			D
SD-63846-01	2			E
SD-62079-01	2			F

NOTES:

DESCRIPTION

RINGDOWN SIGNALING CIRCUIT — 135/20 CYCLE SIGNALS

ISSUE DATE 1/3/67

R	D	3	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
SG LEAD REQUIRED	1
G & ST LEADS REQUIRED	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56131-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	SCAD / 1 2 3 4 / BASIC CODE
	SIGNALING CONVERTER CIRCUIT - AUTOMATIC TO DC SIGNALS - NO. 3 TYPE SWITCHBOARDS	1/3/67	

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56199-01				A*

NOTES:

DESCRIPTION
SIGNALING CONVERTER CIRCUIT - AUTOMATIC TO 20 CYCLE SIGNALS

ISSUE DATE
7/3/67

S	C	A	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO CIRCUIT WITH "SG" LEAD	YES	1
	NO	2

CODE DIGIT 6		
FEATURE		CODE
PAD CONTROL FOR REMOTE INTERTOLL TRUNK REQUIRED	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56159-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	S C E D
	SIGNALING CONVERTER CIRCUIT - E&M/D.C. SIGNALS	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
IDLE CIRCUIT TERMINATION	YES	1
	NO	2

CODE DIGIT 6		
FEATURE		CODE
ARRANGED FOR USE WITH N OR O CARRIER OR DX SIGNALING	YES	0
	NO	1

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64824-01	1	1		B
SD-95061-01	ALL	ALL		A*

NOTES:

SPECIFY "C" RESISTOR PER NOTE 102 ON SD 64824-01

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - E&M TO LOOP SIGNALS
ONE WAY DIALING FROM E&M END

ISSUE DATE 1/3/67

S	C	E	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
OGT CONDUCTOR LOOPS		UNDER 1200 OHMS	1-2
		OVER 1200 OHMS	3-4
OGT CONDUCTOR LOOPS UNDER OR OVER 1200 OHMS	CONNECTS TO	XBT, NO. 1 XB D.P. SENDER, OR NO. 5 XB WITHOUT BYLINK	5-6
		SXS, PANEL, CI, NO. 1 XB SUB SENDER, OR NO. 5 XB WITH BYLINK	7-8
PULSE CORRECTION REQUIRED		YES	1-3-5-7
		NO	2-4-6-8

CODE DIGIT 6			
FEATURE			CODE
LOCAL TRAIN WITH DIAL OR DIAL AND SENDER PULSING	BUSY FLASH SIGNAL TO OPERATOR REQUIRED	YES	1
		NO	2
SENDER PULSING WITHOUT TIMED OFF-HOOK SIGNAL		YES	3
		NO	4
SENDER PULSING WITH TIMED OFF-HOOK SIGNAL		YES	5
		NO	6

CODE DIGIT 7		
FEATURE		CODE
CONNECTS TO 4 WTS OR VF REPEATER OTHER THAN E-TYPE	YES	1
	NO	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-31726-01				A*

NOTES:

DESCRIPTION
SIGNALING CONVERTER CIRCUIT - E&M, N TO LOOP WITH PULSE CORRECTOR OPTION

ISSUE DATE
5/1/67

S	C	E	P
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96398-01				A*

NOTES:

DESCRIPTION
SIGNALING CONVERTER CIRCUIT - E&M TO TANDEM LOOP

ISSUE DATE
7/3/67

S	C	E	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6		CODE DIGIT 7	
FEATURE		CODE	FEATURE	CODE	FEATURE	CODE
CONNECTS TO	TRUNK CIRCUIT	1	NO CHOICE	0	NO CHOICE	0
	NO. 3 OR NO. 11 SWITCHBOARD WITHOUT SG LEAD	2				
	NO. 1-2-9C-9D-10 DROP OR NO. 3C 3CF-3CL 20 CYCLE SIGNALING INTERTOLL TRUNK	3				

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56163-01				A*

NOTES:

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - E&M/20 CYCLE SIGNALS

ISSUE DATE 1/3/67

S	C	E	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO	900 OHM EQUIPMENT	1
	600 OHM EQUIPMENT	2

CODE DIGIT 6		
FEATURE		CODE
ARRANGED FOR IMPROVED RETURN LOSS	NO	0
	YES	1

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-27008-01				A*

NOTES:

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - NO. 5 X-BAR
INCOMING E&M SIGNALS TO LOOP SIGNALS

ISSUE DATE 9/6/67

S	C	E	5
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
TONE APPLIER REQUIRED	YES	TO D.P. OFFICE	1-2
		TO M.F. OFFICE	3-4
	NO		5
TONE SUPPLY SOURCE	PANEL OR SxS OFFICE		1-3
	NO. 1 OR NO. 5 X-BAR OFFICE		2-4

CODE DIGIT 6		
FEATURE		CODE
OUTGOING TRUNK WITH CALLING END CONTROL	YES	1-2
	NO	3-4
SIMPLEX RERING REQUIRED	YES	1-3
	NO	2-4

CODE DIGIT 7		
FEATURE		CODE
OUTGOING INTERTOLL TRUNK FROM XBT OFFICE	YES	1-2-3-4
	NO	5-6-7-8
OFFICE B.O.C. REQUIRED	YES	1-2-5-6
	NO	3-4-7-8
IDLE LINE TERMINATION REQUIRED	YES	1-3-5-7
	NO	2-4-6-8

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95060-01				A*

NOTES:

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - LOOP TO E&M SIGNALS

ISSUE DATE 1/3/67

S	C	L	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64698-01				A*

NOTES:

DESCRIPTION
SIGNALING CONVERTER CIRCUIT - CX TO DC SIGNALS

ISSUE DATE
7/3/67

S	C	X	D
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
CONNECTS TO	REPEAT COIL OR V1 APPLICATION SCHEMATIC	1
	NO. 3 OR NO. 11 SWITCHBOARD WITH LOW VOLTAGE 20 CYCLE SIGNALING	2
	NO. 1 SWITCHBOARD	3

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64697-01				A*

NOTES:

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - CX/20 CYCLE SIGNALS

ISSUE DATE 1/3/67

S	C	X	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
TONE APPLIER REQUIRED	YES			1
	NO	OUTGOING TO INCOMING CAMA TRUNK	YES	2
			NO	3

CODE DIGIT 6

FEATURE		CODE
CONNECTS TO	900 OHM EQUIPMENT	1
	600 OHM EQUIPMENT	2

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-27009-01				A*

NOTES:

DESCRIPTION

SIGNALING CONVERTER CIRCUIT - NO. 5 X-BAR
OUTGOING LOOP SIGNALS TO E&M SIGNALS

ISSUE DATE 1/3/67

S	C	5	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
LOOP START DTWX OR FX SERVICE	0
GROUND START FX SERVICE	1
GROUND START FX SERVICE - TALK-OFF IMPROVED	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98140-01 J70144C MD	ALL			L P
SD-98140-02 J98618B	1,2			M R,S*

NOTES:	DESCRIPTION	ISSUE DATE	BASIC CODE
USE WITH SFXS	SF SIGNALING - AUXILIARY GROUND START UNIT FOR FX SERVICE STATION END	11/3/67	S F A S 1 2 3 4

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6		CODE DIGIT 7	
FEATURE		CODE	FEATURE	CODE	FEATURE	CODE
LOOP START DTWX OR FX SERVICE		0	NO CHOICE	0	NO CHOICE	0
GROUND START FX SERVICE	- RINGING BATTERY	1				
	∓ RINGING BATTERY	2				

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98142-01 J70144D MD	ALL			L N
SD-98142-02 J98618A	1,2			M P*

NOTES:
USE WITH SFXT

DESCRIPTION
SF SIGNALING - AUXILIARY GROUND START UNIT FOR FX SERVICE
CENTRAL OFFICE END

ISSUE DATE 11/3/67

S	F	A	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
10 CIRCUIT BAY 11' -6" WITH PRE AND POST EQUALIZATION	1
17 CIRCUIT BAY 11' -6" WITH PRE OR POST EQUALIZATION	2

CODE DIGIT 6		
FEATURE		CODE
2600 CYCLE OSCILLATOR REQUIRED	YES	1-2
	NO	3-4
2600 CYCLE MONITOR CONNECTION	YES	1-3
	NO	2-4

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.184				
J98617A	1			
J98617B	2			

NOTES:

DESCRIPTION

SINGLE FREQUENCY SIGNAL BAY — TYPE E — WITH PRE AND POST VF DELAY AND GAIN EQUALIZATION

ISSUE DATE 7/3/67

S	F	B	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
70 CIRCUIT 4-WIRE BAY 11'-6" E/W 140 1C PAD CIRCUITS	1

CODE DIGIT 6				
FEATURE				CODE
BAY MOUNTED TEST EQUIPMENT	YES	MONITOR UNIT		1
		MONITOR & TEST UNIT		2
	NO	CONNECTOR FOR PORTABLE TEST EQUIPMENT	YES	3
			NO	4

CODE DIGIT 7		
FEATURE		CODE
CONNECTS TO ECHO SUPPRESSOR	YES	1
	NO	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA388.184 J98617F				

NOTES:

DESCRIPTION

SINGLE FREQUENCY SIGNALING BAY —
4 WIRE E&M SIGNALING UNITS AND 1C PADS.

ISSUE DATE 7/3/67

S	F	B	P
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
90 CIRCUIT BAY 11'-6"	1
60 CIRCUIT BAY 9'-0"	2

CODE DIGIT 6

FEATURE				CODE
BAY MOUNTED TEST EQUIPMENT	YES	MONITOR UNIT ①		1
		MONITOR & TEST UNIT ②		2
	NO	CONNECTOR FOR PORTABLE TEST EQUIPMENT	YES	3
			NO	4

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.091 J98613AP	1			
BP	2			

NOTES:

① TAKES SPACE OF 2 SIGNAL UNITS
② TAKES SPACE OF 6 SIGNAL UNITS
①② MINIMUM REQUIREMENT IS EVERY 5TH BAY

DESCRIPTION

SINGLE FREQUENCY SIGNALING BAY — TYPE E — REVERTIVE TERMINATING END

ISSUE DATE 7/3/67

S	F	B	R
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
14 CIRCUIT INITIAL BAY 6'-10-1/2"	1	NO CHOICE	0	NO CHOICE	0
20 CIRCUIT SUPPLEMENTAL BAY	2				

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.184 J98617D E	1 2			

NOTES:

DESCRIPTION

SINGLE FREQUENCY SIGNAL BAY — TYPE E — WITH 4 WIRE VF REPEATERS

ISSUE DATE 7/3/67

S	F	B	V
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6			CODE DIGIT 7		
FEATURE	CODE	FEATURE		CODE	FEATURE		CODE
90 CIRCUIT BAY 11'-6"	1	2000 CYCLE OSCILLATOR FOR REVERTIVE PULSE TESTS	YES	1-2-3-4	BAY MOUNTED TEST EQUIPMENT	MONITOR UNIT ①	1
70 CIRCUIT BAY 9'-0" 4 WIRE	2		NO	5-6-7-8		MONITOR & TEST UNIT ②	2
60 CIRCUIT BAY 9'-0" 2 WIRE	3	2400 CYCLE OSCILLATOR FOR 2 WIRE OPERATION	YES	1-2-5-6		CONNECTION FOR PORTABLE TEST EQUIPMENT	3
100 CIRCUIT BAY 7'-0" DOUBLE BAY	4		NO	3-4-7-8		NOT REQUIRED	4
40 CIRCUIT UNIT - INITIAL 10 CIRCUITS	5	20 CYCLE SUPPLY PANEL FOR FOREIGN EXCHANGE SERVICE ③	YES	1-3-5-7			
80 CIRCUIT BAY 10' -6"	6		NO	2-4-6-8			

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.091 J98613DD	1			
DJ	2			
DH	3			
CP	4			
BJ	5			
DG	6			

NOTES:
① TAKES SPACE OF 2 SIGNAL UNITS
② TAKES SPACE OF 6 SIGNAL UNITS
①② MINIMUM REQUIREMENT IS EVERY 5TH BAY
③ SPECIFY FOR 40 CIRCUIT UNIT ONLY

DESCRIPTION
SINGLE FREQUENCY SIGNALING BAY - TYPE E - EXCEPT REVERTIVE TERMINATING END

ISSUE DATE 7/3/67

S	F	B	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96499-01 MD				A
SD-98124-01 MD				C
SD-98124-02 MD				B
SD-98124-03				D*

NOTES:

DESCRIPTION
SF SIGNALING - TRUNK REPEAT COIL FOR 600-OHM OFFICE

ISSUE DATE
7/3/67

S	F	C	6
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96499-01				A

NOTES:

DESCRIPTION
SF SIGNALING - TRUNK REPEAT COIL FOR 900-OHM OFFICE

ISSUE DATE
7/3/67

S	F	C	9
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
TALK-OFF IMPROVED AND DP CORRECTION	1	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98086-01 J98613E MD SD-98086-02 J98613CH				L N, P M R*

NOTES:	DESCRIPTION	ISSUE DATE	SFDØ
	SF SIGNALING UNIT - E2C PLUG-IN FOR 2 WIRE LOOP DP - ONE WAY ORIGINATING	11/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
UNMODIFIED	1
TALK-OFF IMPROVED WITH TRANSMIT CUT FEATURE	2
TALK-OFF AND SUPERVISION IMPROVED	3

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98087-01 J98613F MD	ALL			L N, P
SD-98087-02 J98613CJ	3			M R*

NOTES:

DESCRIPTION

SF SIGNALING UNIT - PLUG-IN FOR 2 WIRE LOOP MF OR DP - ONE-WAY TERMINATING

ISSUE DATE 11/3/67

S	F	D	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
UNMODIFIED	1
TALK-OFF IMPROVED	2
TALK-OFF AND PULSING IMPROVED	3
ARRANGED FOR TRANSMISSION PATH CUT CONTROL	4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-96499-01 J98613A MD				L M, N, P

NOTES:

DESCRIPTION

SF SIGNALING UNIT — E1A PLUG-IN FOR 2 WIRE LOOP EXCHANGE E & M

ISSUE DATE 11/3/67

S	F	E	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56292-01				E

NOTES:

DESCRIPTION
SF SIGNALING - 2-WIRE LINE FILTER FOR MF PULSING
2400 CYCLES RECEIVE

ISSUE DATE
7/3/67

S	F	F	4
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56292-01				E

NOTES:	DESCRIPTION	ISSUE DATE	BASIC CODE
	SF SIGNALING - 2-WIRE LINE FILTER FOR MF PULSING 2600 CYCLES RECEIVE	7/3/67	S F F 6 1 2 3 4

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99778-01				A*

NOTES:

DESCRIPTION
SINGLE FREQUENCY MOUNTING - TRANSMISSION CUT CIRCUIT

ISSUE DATE
7/3/67

S	F	M	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98151-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	S F M R
	SINGLE FREQUENCY MOUNTING - REVERTIVE TERMINATING UNITS	7/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
2 WIRE TRANSMIT 2400 CYCLES		1-2
4 WIRE OR 2 WIRE TRANSMIT 2600 CYCLES		3-4
FOREIGN EXCHANGE SERVICE	YES	1-3
	NO	2-4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56292-01	4			B
SD-98151-01	ALL			A*

NOTES:

DESCRIPTION

SINGLE FREQUENCY MOUNTING — OTHER THAN REVERTIVE TERMINATING

ISSUE DATE 2/1/67

S	F	M	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
2-WIRE NET	0
BLOCKING AMPLIFIER	1

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55954-01	0, 1			A
SD-55954-02	0, 1			B
SD-56202-01	0			C

NOTES:

DESCRIPTION
SINGLE FREQUENCY NET - 1600 CYCLE RECEIVE - 2-WIRE LINE

ISSUE DATE
5/1/67

S	F	N	1
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
2-WIRE NET	0
BLOCKING AMPLIFIER	1

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55954-01	0, 1			A
SD-55954-02	0, 1			B
SD-56202-01	1			C

NOTES:

DESCRIPTION
SINGLE FREQUENCY NET - 2000 CYCLE RECEIVE - 2-WIRE LINE

ISSUE DATE
5/1/67

S	F	N	2
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56202-02 SD-56292-01				D E

NOTES:

DESCRIPTION
SF SIGNALING - 2-WIRE NET FOR 2400 CYCLES RECEIVE END

ISSUE DATE
7/3/67

S	F	N	4
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56202-02 SD-56292-01				D E

NOTES:

DESCRIPTION
SF SIGNALING - 2-WIRE NET FOR 2600 CYCLES RECEIVE END

ISSUE DATE
7/3/67

S	F	N	6
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
UNMODIFIED	1
RP IMPROVED	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98088-01 J98613H MD	1,2			L N, P
SD-98088-02 J98613CR	2			M R*

NOTES:

DESCRIPTION

SF SIGNALING UNIT — E1E PLUG-IN FOR 2 WIRE LOOP
RP — ONE-WAY ORIGINATING

ISSUE DATE 11/3/67

S	F	R	Ø
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
UNMODIFIED	1
RP IMPROVED	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98089-01 J98613J MD	1,2			L N, P
SD98089-02 J98613CS	2			M R*

NOTES:

DESCRIPTION

SF SIGNALING UNIT — E1F PLUG-IN FOR 2 WIRE LOOP
RP — ONE-WAY TERMINATING

ISSUE DATE 11/3/67

S	F	R	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
E1A UNIT	A
E1B UNIT	B

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99778-01 J98613DK				L M*

NOTES:

DESCRIPTION

SF SIGNALING - TRANSMISSION PATH CUT CIRCUIT E1A AND E1B UNITS

ISSUE DATE 11/3/67

S	F	T	C
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
LOOP START-DTWX SERVICE	UNMODIFIED	1
	TALK-OFF IMPROVED	2
LOOP OR GROUND START (1)	TALK-OFF IMPROVED	3
	TALK-OFF IMPROVED & PULSE CORRECTION	4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7		
FEATURE		CODE
ARRANGED FOR USE AT HARDENED SITE	NO	0
	YES	H

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98138-01 J98613BS MD	ALL		0	L P
SD-98138-02 J98613CK MD	3,4		0,H	M R
CY	4		0,H	S*

NOTES:
(1) GROUND START REQUIRES SFAS UNIT

DESCRIPTION
SF SIGNALING UNIT — E2S PLUG-IN FOR 2 WIRE LOOP DTWX AND FX SERVICE - STATION END

ISSUE DATE 11/3/67

S	F	X	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
LOOP START - DTWX SERVICE	UNMODIFIED	1
	TALK-OFF IMPROVED	2
LOOP OR GROUND START ①	TALK-OFF IMPROVED	3
	TALK-OFF IMPROVED & PULSE CORRECTION	4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98137-01 J98613BL MD	ALL			L N
SD-98137-02 J98613CL	3,4			M P*

NOTES:

① GROUND START REQUIRES SFAT UNIT

DESCRIPTION

SF SIGNALING UNIT — E2L PLUG-IN FOR 2 WIRE LOOP DTWX OR FX SERVICE - TERMINATING OFFICE

ISSUE DATE 11/367

S	F	X	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
UNMODIFIED	1
TALK-OFF IMPROVED	2
TALK-OFF IMPROVED AND REDUCED TONE LEAK	3

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98086-01 J98613E MD	ALL			L N, P, R
SD-98086-02 J98613CH	2,3			M S*

NOTES:

DESCRIPTION

SF SIGNALING UNIT - E1C PLUG-IN FOR 2 WIRE LOOP MF - ONE-WAY ORIGINATING

ISSUE DATE 11/3/67

S	F	Y	Ø
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
UNMODIFIED (1)	1	NO CHOICE	0	NO CHOICE	0
TALK-OFF IMPROVED (1)	2				
TALK-OFF IMPROVED AND IMPROVED SUPERVISION	3				
E&M UNIT AT ORIGINATING END COMPATABILITY	4				

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-98087-01 J98613F MD	ALL			L N, P, R
SD-98087-02 J98613CJ	2, 3, 4			M S*

NOTES:

(1) MF or DP application

DESCRIPTION

SF SIGNALING UNIT — PLUG-IN FOR 2 WIRE LOOP
MF - ONE-WAY TERMINATING

ISSUE DATE 11/3/67

S	F	Y	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55954-01 SD-55954-02 SD-56202-01				A B C

NOTES:

DESCRIPTION
SF SIGNALING UNIT - 1600 CYCLES RECEIVE UNIT

ISSUE DATE
7/3/67

S	F	1	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-55954-01 SD-55954-02 SD-56202-01				A B C

NOTES:	DESCRIPTION	ISSUE DATE	SF20
	SF SIGNALING UNIT - 2000 CYCLES RECEIVE UNIT	7/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6		CODE DIGIT 7	
FEATURE		CODE	FEATURE	CODE	FEATURE	CODE
PLUG-IN UNIT	UNMODIFIED	1	NO CHOICE	0	NO CHOICE	0
	TALK-OFF IMPROVED	2				
	TALK-OFF IMPROVED, COMPATIBLE WITH AUTOVON, AND PULSING IMPROVED	3				
WIRED UNIT		Y				

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56202-02 MD	Y			D
SD-56292-01 J68602CL MD	1			L R, S
SD-98090-01 J98613BB MD	1, 2, 3			M T, U
SD-98124-01 J98613BE MD	1, 2, 3			N V, W
SD-98124-02 J98613CE	2, 3			P X*

NOTES:

DESCRIPTION
SF SIGNALING UNIT - E3B PLUG-IN FOR 4 WIRE LOOP - 2 WIRE LINE E&M LEAD UNITS

ISSUE DATE 11/3/67

S	F	4	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7		
FEATURE	CODE	FEATURE	CODE	FEATURE		CODE
NO CHOICE	0	NO CHOICE	0	ARRANGED FOR USE AT HARDENED SITE	NO	0
					YES	H

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99762-01 J98613CU				L M*

NOTES:	DESCRIPTION	ISSUE DATE	S	F	6	P
	SF SIGNALING UNIT — E1J PLUG-IN FOR 4 WIRE LOOP WITH PRE-EMPTION - MF PULSING - E&M LEAD UNIT	11/3/67	1	2	3	4
			BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE		CODE
PLUG-IN UNIT 2 OR 4 WIRE	UNMODIFIED	1
	TALK-OFF IMPROVED	2
	TALK-OFF IMPROVED, COMPATIBLE WITH AUTOVON, AND PULSING IMPROVED	3
PLUG-IN UNIT 4 WIRE ONLY ①		4
WIRED UNIT		Z
E1B UNIT ARRANGED FOR CUT CONTROL		Y

CODE DIGIT 6

FEATURE				CODE
COMPATIBLE WITH TUBE TYPE UNITS AT DISTANT END	YES			0
	NO	ARRANGED FOR SS1 SIGNALING	YES	1
			NO	2

CODE DIGIT 7

FEATURE		CODE
ARRANGED FOR USE AT HARDENED SITE	NO	0
	YES	H

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56202-02 MD	Z	0	0	D
SD-56292-01 J68602CL MD	1	0	0	R T, U
SD-98085-01 J98613D MD	1, 2, Y	1, 2	0	L V, W
SD-98090-01 J98613G MD	1, 2, 3	0	0	M X, Y
SD-98124-01 J98613BD MD	1, 2, 3	0	0	N Z, A
SD-98124-02 J98613CD MD	2, 3	0	0, H	P B
SD-98124-03 J98613DE	4	0	0, H	S C*

NOTES:
① DO NOT SPECIFY FOR 2 WIRE OPERATION
USE OLDER VINTAGE UNITS

DESCRIPTION
SF SIGNALING UNIT - E4B PLUG-IN FOR 4 WIRE LOOP - 4 WIRE LINE
E&M LEAD UNITS

ISSUE DATE
11/3/67

S	F	6	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
BRIDGE TYPE - MODERATE 60 CYCLE	1
SERIES TYPE - HEAVY 60 CYCLE OR 25 CYCLE	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95073-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	S X F 6
	SX SIGNALING - A.C. FILTER	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95053-01				A

NOTES:

DESCRIPTION

SX SIGNALING CIRCUIT - LONG RANGE
2-WAY SIGNALING & DIALING - CABLE

ISSUE DATE 7/3/67

S	X	S	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
500 V CAPACITORS	1
1000 V CAPACITORS	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95051-01				A*

NOTES:

DESCRIPTION

SX SIGNALING CIRCUIT - SHORT RANGE
2 WAY SIGNALING & DIALING - CABLE OR OPEN WIRE

ISSUE DATE 1/3/67

S	X	S	S
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
TYPE AMPLIFIER	DATA & GENERAL SERVICE	227C	0
	HIGH LINE SURGE	227B	H
	LOW LINE SURGE	227A	L
		V3	3
	ALTEC	BX	Y
	ALTEC	B	Z

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95112-01				M
J68647A MD	3			N
B MD	3			P, R
				L
SD-97047-01				
227 TYPE	O, H, L			M*
ALTEC 12910	Y, Z			1

NOTES:

DESCRIPTION: V REPEATER - AMPLIFIERS

ISSUE DATE: 11/3/67

V	R	A	O
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
LOADED CABLE 1200 OHMS	WITH AMPLIFIER	359A	A
	WITH AMPLIFIER NO EQUALIZATION	359E	E
	WITH NET	359D	D
	WITH NET NO EQUALIZATION	359J	J
NON-LOADED CABLE OR 600 OHM EQUIPMENT	WITH AMPLIFIER NO EQUALIZATION	359C	C
	WITH NET	359F	F
LONG NON-LOADED CABLE 150 OHMS	WITH AMPLIFIER	359B	B
SPECIAL SERVICES	NEGATIVE SLOPE	359G	G
	POSITIVE SLOPE	359H	H
LOADED CABLE 600 OHMS	WITH AMPLIFIER	359K	K
	WITH NET	359L	L
CRITICAL VF BAND DATA	NL CABLE OR 600 OHM EQUIPMENT	359M	M
	NL CABLE 150 OHMS	359N	N
ALTEC VARIABLE		12912	1

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 359 TYPE	A TO N			L M*
ALTEC 12912	1			1

NOTES:

DESCRIPTION

V REPEATER - LINE EQUALIZERS - 359 TYPE

ISSUE DATE 11/3/67

V	R	E	L
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 648A FILTER				L M*

NOTES:

DESCRIPTION
V-TYPE REPEATER - 3500-CYCLE FILTER - H88 CABLE FACILITIES

ISSUE DATE
11/3/67

V	R	F	O
1	2	3	4

BASIC CODE

CODE DIGIT 5		
FEATURE		CODE
WIRED FOR	227-TYPE AMPLIFIERS	4
	849-TYPE NETWORKS	N
	ALTEC-TYPE AMPLIFIERS	Z
	V3-TYPE AMPLIFIERS	3
V2-TYPE AMPLIFIERS		2
V1-TYPE AMPLIFIERS		1

CODE DIGIT 6		
FEATURE		CODE
SIGNALING LEADS REQUIRED	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
ALTEC 12910	Z	1, 2		1
SD-95113-01 MD	3	2		B
SD-64903-01 MD	1, 2	2		C
SD-64903-03 MD	1	2		D
SD-97047-01	4, N	1, 2		A*

NOTES:

DESCRIPTION

V-TYPE REPEATER MOUNTING (2 AMPLIFIERS)

ISSUE DATE 1/3/67

V	R	M	A
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
WIRED FOR	ONE PORT NETS	1
	TWO PORT NETS	2
	TWO PORT FILTERS	3
	359-TYPE EQUALIZERS	5

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99740-01				A*

NOTES:

DESCRIPTION

MISCELLANEOUS EQUIPMENT MOUNTING -
4066 TYPE NETWORKS 648 TYPE FILTER 359 TYPE EQUALIZERS

ISSUE DATE 1/3/67

V	R	M	M
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
24V4A REPEATER	A
24V4C REPEATER	C

CODE DIGIT 6		
FEATURE		CODE
SIGNALING LEADS REQUIRED	YES	1-2
	NO	3-4
PBX TIE TRUNK LEADS REQUIRED	YES	1-3
	NO	2-4

CODE DIGIT 7		
FEATURE		CODE
LEADS FOR EXTERNAL LINE BALANCING NETWORK	YES	1-2
	NO	3-4
LEADS FOR EXTERNAL 4-WIRE FLEXIBILITY (24V4C ONLY)	YES	1-3
	NO	2-4

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01				A*

NOTES:

FOR OPTIMUM CABLING ARRANGEMENTS ORDER IN GROUPS OF 20

DESCRIPTION

24V4 REPEATER MOUNTING

ISSUE DATE 1/3/67

V	R	M	2
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6			CODE DIGIT 7	
FEATURE	CODE	FEATURE		CODE	FEATURE	CODE
VF MESSAGE	A	SIGNALING LEADS REQUIRED	YES	1	NO CHOICE	0
DATA OR SPECIAL SERVICES	B		NO	2		

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	V R M 4
FOR OPTIMUM CABLING ARRANGEMENTS ORDER IN GROUPS OF 20	44V4 REPEATER MOUNTING	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
FACILITY	4066 TYPE NETWORK	
19-22-24 H-88	A	A
26 H-88	B	B
19 H-88-50	D	D
19 H-44	E	E
24 N.L.	F	F
VARIOUS N.L. SHORT LENGTHS	G	G
500-TYPE SUBSET	H	H

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99740-01 4066 TYPE				L M*

NOTES:

CROSS CONNECT TO B.O.C. OF VRNC WHEN NOT USED WITH 24V4C OR 1-TYPE TERM SET

DESCRIPTION

V REPEATER - PRECISION NET - 4066 TYPE

ISSUE DATE 11/3/67

V	R	N	B
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-99740-01 4066C NET				L M*

NOTES:

DESCRIPTION
V-TYPE REPEATER - COMPROMISE NET

ISSUE DATE
11/3/67

V	R	N	C
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 434A PLUG				L M

NOTES:
REQUIRED FOR VRM2C__WHEN VRNB IS NOT USED

DESCRIPTION
V-TYPE REPEATER - NET DUMMY CUT-THRU PLUG

ISSUE DATE
11/3/67

V	R	N	D
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
44 TYPE REPEATER	1
V TYPE REPEATER	2

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
21584-SD				A

NOTES:

DESCRIPTION

VF REPEATER REGULATING NET TONLOC CIRCUIT

ISSUE DATE

1/3/67

V	R	N	K
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64937-01 MD				A

NOTES:

DESCRIPTION
V1 REPEATER - REGULATING NET

ISSUE DATE
7/3/67

V	R	N	R
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5				
FEATURE				CODE
24V4 OR 44V4 REPEATER	TRANSMIT INTO LOADED CABLE	1200 OHMS	849A	A
		600 OHMS	849F	F
	RECEIVE FROM LOADED CABLE	1200 OHMS	849B	B
		600 OHMS	849G	G
	TRANSMIT OR RECEIVE - N.L. CABLE OR 600 OHM EQUIPMENT		849C	C
V4 REPEATER	TRANSMIT OR RECEIVE - N.L. CABLE - 150 OHMS		849D	D
	TRANSMIT OR RECEIVE - N.L. CABLE OR 600 OHMS EQUIPMENT		849E	E

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 849 TYPE				L M*

NOTES:

DESCRIPTION

V REPEATER - IMPEDANCE MATCHING SET - 849 TYPE

ISSUE DATE

11/3/67

V	R	N	Z
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 1B TERM SET				L M*

NOTES:	DESCRIPTION	ISSUE DATE	V R T 6
	V-TYPE REPEATER - 600-OHM TERM SET	11/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		CODE DIGIT 6		CODE DIGIT 7	
FEATURE	CODE	FEATURE	CODE	FEATURE	CODE
NO CHOICE	0	NO CHOICE	0	NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97047-01 1A TERM SET				L M*

NOTES:	DESCRIPTION	ISSUE DATE	V R T 9
	V-TYPE REPEATER - 900-OHM TERM SET	11/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
BAY CAPACITY	210 CIRCUIT BAY 11'-6"	MOUNTINGS FOR CIRCUITS	1- 90	1
			91-210	2
			1-210	3
	150 CIRCUIT BAY 9'-0"		1- 90	4
			91-150	5
			1-150	6

CODE DIGIT 6

FEATURE	CODE
227-TYPE AMPLIFIERS	R
849-TYPE NETWORKS	N

CODE DIGIT 7

FEATURE		CODE
TRANSMISSION TEST TONES AND CONTROL REQUIRED ①	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.125 J98615A	1, 2, 3			
B	1, 2, 3			
G	4, 5, 6			
H	4, 5, 6			

NOTES:

① PROVIDE ONLY IF 21A TMS IS NOT AVAILABLE

DESCRIPTION

V4 BAY 227-TYPE AMPLIFIER OR 849-TYPE NETWORK

ISSUE DATE 7/3/67

V	4	B	A
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
24V4 AND 44V4 REPEATER MOUNTING BAY	11'-6" BAY	66 24V4 REPEATERS OR 132 44V4 REPEATERS	1
	9'-0" BAY	51 24V4 REPEATERS OR 102 44V4 REPEATERS	2

CODE DIGIT 6			
FEATURE			CODE
TRANSMISSION TEST TONES AND CONTROL REQUIRED ①	NO		1
	YES	600 OHMS	2
		600 & 900 OHMS	3

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA 388.125				
J98615C	1			
D	1			
E	2			
F	2			

NOTES:

① PROVIDE ONLY IF 21A TMS IS NOT AVAILABLE

DESCRIPTION

V4 REPEATER BAY

ISSUE DATE 7/3/67

V	4	B	R
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97027-1				A*

NOTES:

DESCRIPTION
IMPEDANCE COMPENSATOR - NON-LOADED DATA LOOPS

ISSUE DATE
7/3/67

Z	C	N	D
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING

CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97054-01				B*

NOTES:

DESCRIPTION

IMPEDANCE COMPENSATOR - NON-LOADED FACILITIES WITH E-TYPE REPEATERS

ISSUE DATE 7/3/67

Z	C	N	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
LINE B.O.R. REQUIRED	YES	0
	NO	1-2
OFFICE B.O.C. REQUIRED	YES	0-2
	NO	1

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95756-01	1, 2			A
SD-97054-01	ALL			B*

NOTES:

DESCRIPTION

IMPEDANCE COMPENSATOR WITH LOW FREQUENCY CORRECTOR - LINE B.O.R. AND OFFICE B.O.C. - H88 FACILITIES

ISSUE DATE 1/3/67

Z	C	8	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			CODE DIGIT 6			CODE DIGIT 7	
FEATURE		CODE	FEATURE		CODE	FEATURE	CODE
CABLE LOADING	H-135 H-175 M-88	1	XBT OUTGOING TRUNK WITHOUT RELAY EQUIPMENT REQUIRING B.O.C.	YES	1	NO CHOICE	0
	B-135 H-88	2		NO	2		

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95756-01				A*

NOTES:

DESCRIPTION

IMPEDANCE COMPENSATOR & OFFICE B.O.C.

ISSUE DATE 1/3/67

1	2	3	4
N	C	O	O

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE	CODE
PILOT WIRE DESIGNATION	A
	B
	C
	D
NON-REGULATED	0
REGULATOR DISCONNECTED	X

CODE DIGITS 6 AND 7

FEATURE		CODE
REGULATION APPLIED PER STEP	.48	48
	.80	80
	.83	83
	.95	95
	1.00	10
	1.09	19
	1.10	11
	1.20	12
	1.40	14
	NONE	00

FEATURE	CODE

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-61040-01				A
SD-61040-02				B
SD-61040-03				C
SD-61040-04				D
SD-62421-01				E
SD-62421-02				F
SD-62421-03				G
SD-64904-01				H
SD-64904-02				J
SD-64904-03				K
SD-64905-01				I

NOTES:

DESCRIPTION

2A20 2A24 2A40 - 22 TYPE REPEATER

ISSUE DATE 1/3/67

1	2	3	4
2	A		

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
FACILITIES	H44-25		1
	H174-63 OR -106	CX	2
		NON-CX	3

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60980-01				A

NOTES:

DESCRIPTION

22-TYPE REPEATER - LINE GROUP EQUIPMENT
REPEAT COILS CX SETS LINE BALANCE NETWORKS

ISSUE DATE 1/3/67

2	A	L	E
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-59002-01				A
SD-64903-01				B
SD-64883-01				C
SD-61387-01				D

NOTES:

DESCRIPTION
2-WIRE TERM SET - 600 OHMS

ISSUE DATE
7/3/67

2	T	6	0
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
PILOT WIRE DESIGNATION	A
	B
	C
	D
NON-REGULATED	0
REGULATOR DISCONNECTED	X

CODE DIGITS 6 AND 7		
FEATURE		CODE
REGULATION APPLIED PER STEP	.48	48
	.80	80
	.83	83
	.95	95
	1.00	10
	1.09	19
	1.10	11
	1.20	12
	1.40	14
	NONE	00

FEATURE	CODE

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-61306-01				A
SD-61306-02				B
SD-61306-03				C
SD-61306-04				D
SD-59003-01				E

NOTES:

DESCRIPTION

4A00 4AF0 4AFL 4APC 4APR 4APT - 44 TYPE REPEATER

ISSUE DATE 1/3/67

4	A		
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE				CODE
FACILITIES	H44-25		NON-CX	1
			CX	2
	H172-63 OR -106		NON-CX	3
			CX	4
	H44-25	INPUT	NON-CX	A
		OUTPUT		B
		INPUT	CX	C
		OUTPUT		D
	H172-63 OR H174-106	INPUT	NON-CX	E
		OUTPUT		F
		INPUT	CX	G
		OUTPUT		H

CODE DIGIT 6

FEATURE		CODE
MODIFIED FOR USE WITH V1 REPEATER	NO	0
	YES	1

CODE DIGIT 7

FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-60979-01 MD	ALL	0		A
SD-63690-01 MD	A, B, C, D	0		B
SD-55497-01 MD	A, B, C, D	1		C

NOTES:

DESCRIPTION

44 TYPE REPEATER - LINE GROUP EQUIPMENT - REPEAT COILS & CX SETS

ISSUE DATE 1/3/67

4	A	L	E
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
276 CIRCUIT BAY 11'-6" X 23"	1
220 CIRCUIT BAY 9'-0" X 23"	2
207 CIRCUIT BAY 11'-6" X 19"	3
165 CIRCUIT BAY 9'-0" X 19"	4

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
AA388.125 J98615J K	1 2			

NOTES:	DESCRIPTION	ISSUE DATE	4 T B 0
	4 WIRE TERM SET 1-TYPE PLUG-IN UNIT BAY	7/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97138-01 437A PLUG				M L*

NOTES:	DESCRIPTION	ISSUE DATE	4	T	D	4
	4-WIRE TERM SET - DUMMY CUT-THRU PLUG FOR 4-WIRE THRU OPERATION	11/3/67	1	2	3	4
			BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5				
FEATURE				CODE
FOR USE WITH	DX OR CX SIGNALING	PAD CONTROL	YES	1
			NO	2
	CARRIER OR SF SIGNALING			3
	PBX TRUNK			4

CODE DIGIT 6		
FEATURE		CODE
LINE BALANCE NET LEADS REQUIRED	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97138-01				A*

NOTES:	DESCRIPTION	ISSUE DATE	4 T M O
	4 WIRE TERM SET MOUNTING - 1-TYPE PLUG-IN UNITS	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE			CODE
OFFICE IMPEDANCE		600 OHMS	1-4
		900 OHMS	2-5-7
		1500 OHMS	3-6-8
D.C. SUPERVISION ON	PHANTOM		1-2-3
	SX LEADS	TO TRUNK	4-5-6
		TO V3 REPEATER	7-8

CODE DIGIT 6

FEATURE		CODE
EQUIPPED WITH 1C PADS	YES	1
	NO	2

CODE DIGIT 7

FEATURE		CODE
OFFICE B.O.C. REQUIRED	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-27016-01				A*

NOTES:

THIS CIRCUIT IS CODED IN B.S.P. TRUNK TABLES AS FOLLOWS;
NO. 5 X-BAR C182 NO. 5 X-BAR TANDEM E602

DESCRIPTION

4 WIRE TERM CIRCUIT - OUTGOING TRUNK FROM NO. 5 X-BAR OR X-BAR TANDEM OFFICE

ISSUE DATE 1/3/67

4	T	Ø	T
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE						CODE
FOR USE WITH DX SIGNALING	NO	MIDPOINT CAPACITOR IN ASSOCIATED TRUNK	NO	A&B LEADS	YES	1
					NO	2
			YES	1MF		3
				4MF		4
	YES					5

CODE DIGIT 6

FEATURE		CODE
FOR USE WITH 2 WIRE SWITCHING OFFICE	YES	1-3
	NO	2-4
LINE BALANCE NET LEADS REQUIRED	YES	1-4
	NO	2-3

CODE DIGIT 7

FEATURE		CODE
EQUIPPED WITH 1C PADS	YES	1
	NO	2

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95489-01	4, 5	2	2	B
SD-96463-01	ALL	ALL	ALL	C

NOTES:

DESCRIPTION

4 WIRE TERM SET E/W COMPROMISE NET - 1500 OHMS

ISSUE DATE 5/1/67

4	T	5	0
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
EQUIPPED WITH COMPROMISE NET	YES	1
	NO	2

CODE DIGIT 6		
FEATURE		CODE
EQUIPPED WITH IMPEDANCE IMPROVING PADS	YES	1
	NO	2

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64304-01				A

NOTES:	DESCRIPTION	ISSUE DATE	4 T 6 P
	4 WIRE TERM SET - 600 OHMS WITH IMPEDANCE PAD	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5		
FEATURE		CODE
EQUIPPED WITH COMPROMISE NET	YES	1-3
	NO	2
4 WIRE TANDEM TRUNK WITH PAD CONTROL	YES	3
	NO	1-2

CODE DIGIT 6		
FEATURE		CODE
EQUIPPED WITH 1C PADS	YES	1
	NO	2

CODE DIGIT 7		
FEATURE		CODE
EQUIPPED WITH B.O.C.	YES	1
	NO	2

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-64903-01 MD	1,2	1,2	1,2	A
SD-64903-03 MD	1	2	1,2	C
SD-59030-01 MD	3	2	1	D
SD-95144-01	1,2	1,2	1,2	B*

NOTES:

DESCRIPTION

4 WIRE TERM SET - 600 OHMS - RESISTANCE TYPE

ISSUE DATE 1/3/67

4	T	6	R
1	2	3	4

BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5			
FEATURE			CODE
FOR USE IN CLASS 3 OR HIGHER OFFICE	EQUIPPED WITH 1C PADS	YES	1
		NO	2
	NO		3

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8				
REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95144-01				B

NOTES:	DESCRIPTION	ISSUE DATE	4 T 6 T
	4 WIRE TERM SET - TERMINAL OPERATION	1/3/67	1 2 3 4 BASIC CODE

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE						CODE
FOR USE WITH DX SIGNALING	NO	MIDPOINT CAPACITOR IN ASSOCIATED TRUNK	OPTIONAL 1MF OR NONE			0
			NO	A&B LEADS	YES	1
					NO	2
			YES	1MF		3
				4MF		4
	YES					5

CODE DIGIT 6

FEATURE		CODE
FOR USE WITH 2 WIRE SWITCHING OFFICE	YES	0-2
	NO	1-3
LINE BALANCE NET LEADS REQUIRED	YES	0-3
	NO	1-2

CODE DIGIT 7

FEATURE		CODE
EQUIPPED WITH 1C PADS	YES	0-1
	NO	2-3
EQUIPPED WITH 3DB IMPEDANCE PAD	YES	1-2
	NO	0-3

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-56181-01 MD	2	1	0,3	A
SD-96463-01 MD	1 TO 5	ALL	0,3	C
SD-64304-01 MD	2	1,3	0,1	B
SD-61395-01 MD	2	1	ALL	D
SD-61395-02 MD	2	1	0,1	D
SD-97138-01 1D TERM SET	0	0	0	L M*

NOTES:

DESCRIPTION

4 WIRE TERM SET E/W COMPROMISE NET - 600 OHMS

ISSUE DATE 11/3/67

4	T	6	0
1	2	3	4

BASIC CODE

CODE DIGIT 5	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 6	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 7	
FEATURE	CODE
NO CHOICE	0

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-97138-01 1G TERM SET				L M*

NOTES:

DESCRIPTION
4-WIRE TERM SET - 900 OHMS - FOR USE WITH DX SIGNALING
1MF OR 4MF A&B LEAD CAPACITOR OPTION

ISSUE DATE
11/3/67

4	T	9	U
1	2	3	4
BASIC CODE			

BELL SYSTEM MODERNIZED ENGINEERING
CIRCUIT EQUIPMENT ENCODER OPTIONS

CODE DIGIT 5

FEATURE					CODE
FOR USE WITH DX SIGNALING	NO	MIDPOINT CAPACITOR IN ASSOCIATED TRUNK	OPTIONAL 1MF OR NONE		0
			NO	A&B LEADS YES	1
				A&B LEADS NO	2
			YES	1MF	3
				4MF	4
	YES				5

CODE DIGIT 6

FEATURE		CODE
FOR USE WITH 2 WIRE SWITCHING OFFICE	YES	0-2
	NO	1-3
LINE BALANCE NET LEADS REQUIRED	YES	0-1
	NO	1-2

CODE DIGIT 7

FEATURE		CODE
EQUIPPED WITH 1C PADS	YES	0
	NO	1

CODE DIGIT 8

REFERENCE	DIGIT 5	DIGIT 6	DIGIT 7	CODE
SD-95489-01 MD	4,5	1	1	B
SD-96463-01 MD	1 TO 5	ALL	0,1	C
SD-97138-01 1C TERM SET	0	0	0	L M*

NOTES:

DESCRIPTION

4 WIRE TERM SET E/W COMPROMISE NET - 900 OHMS

ISSUE DATE 11/3/67

4	T	9	0
1	2	3	4

BASIC CODE

CONVERSION TABLE 1

BELL SYSTEM MODERNIZED ENGINEERING TERMINATING AND SIGNALING EQUIPMENT SD DRAWING TO BASIC CODES

SD DRAWING	BASIC CODE
SD-1G002-01	BR2M BR23 BR24 BR25 BR26 BR27 BR28 EZDT PDM2
SD-20259-01	LCPA
SD-25546-01	BØC0
SD-27008-01	SCE5
SD-27009-01	SC5E
SD-27517-01	LCA4
SD-31376-01	DLSS
SD-31726-01	SCEP
SD-31848-01	DLSS
SD-5G019-01	ESA0 ESD0 ESL0 ESM0 ESSC
SD-5G022-01	ESA0 ESD0 ESL0 ESM0 ESSC ESPC ESB3
SD-55130-01	CXSL
SD-55172-01	RD3D
SD-55194-01	RD2D
SD-55273-01	RD2D
SD-55357-01	RCA2 RC62 RC93 RC75
SD-55392-01	RD1D
SD-55393-01	RD1D
SD-55415-01	CXSL
SD-55435-01	RD2D
SD-55497-01	4ALE
SD-55512-01	RD2D
SD-55560-01	RD2D
SD-55647-01	MSC1 MSC2 MSC3 MSLC MSLX MSL2 MSL3 MSLØ MSS0 MSØP MSØT
SD-55647-01	BR23 BR24 BR25 BR26 BR27 BR28 BR44 PDM2 PDM4 MSØX
SD-55954-01	SFN1 SFN2 SF10 SF20
SD-55954-02	SFN1 SFN2 SF10 SF20
SD-56131-01	SCAD
SD-56159-01	SCED
SD-56163-01	SCE2
SD-56166-01	CXBC CXXC
SD-56181-01	4T60
SD-56199-01	SCA2
SD-56202-01	SFN1 SFN2 SF10 SF20
SD-56202-02	SFN4 SFN6 SF40 SF60
SD-56229-01	BR23 BR24 BR25
SD-56292-01	SFF4 SFF6 SFN4 SFN6 SF40 SF60 SFM0
SD-56389-01	LCTS
SD-56501-01	LCTS
SD-59002-01	BNE0 BNØW BNTE BNT0 FL24 FL28 FL35 HYL0 HY00 2T60
SD-59003-01	4AF0
SD-59030-01	4T6R

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
SD-59031-01	ESD0 ESE1 ES01
SD-59035-01	ESB1
SD-59040-01	CP1A
SD-59041-01	CP1A
SD-59042-01	BNØW BNTE
SD-59046-01	BR44
SD-59329-01	PDM4 PD23 PDM2
SD-60136-01	CXBC CXXC
SD-60136-02	CXBC CXXC
SD-60208-01	RC62 RC93
ES-60213-01	RD32
SD-60213-02	RD32
SD-60213-03	RD32
SD-60304-01	4T6P
ES-60467-01	RD12
ES-60524-01	RC75
SD-60524-01	RC93
SD-60548-01	CXBC CXXC
SD-60548-02	CXBC CXXC
ES-60636-01	RD3D
ES-60717-01	RD32
SD-60782-01	RC62 RC75 RC93 RC91
SD-60782-02	RC62 RC93
SD-60782-03	RC62 RC93
SD-60782-04	RC93
SD-60963-01	BNØW BNTE BNT0
SD-60963-02	BNØW BNTE BNT0
SD-60979-01	RC62 4ALE
SD-60980-01	BNT0 CXBC CXXC RC62 RC93 2ALE
SD-61040-01	2A20
SD-61040-02	2A20
SD-61040-03	2A20
SD-61040-04	2A20
SD-61306-01	4A00
SD-61306-02	4APR
SD-61306-03	4APC
SD-61306-04	4APT
SD-61385-01	RD1D RD12
SD-61385-03	RD12
SD-61385-04	RD12
SD-61385-05	RD13
SD-61387-01	2T60
SD-61387-02	2T60
SD-61395-01	4T60
SD-61395-02	4T60
SD-61832-01	RD1D

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
SD-62006-01	RD22
SD-62006-02	RD22
SD-62079-01	RD32
SD-62119-01	RD3D
SD-62120-01	RD2D
SD-62135-01	RD22
SD-62421-01	2A20
SD-62421-02	2A20
SD-62421-03	2A20
SD-62465-01	RC11 RC19
SD-62486-01	LCTS
SD-62487-01	LCTS
SD-62519-01	LCTS
SD-62629-01	RD2D
SD-62630-01	RD3D
SD-62630-02	RD3D
SD-63275-01	RC93
SD-63666-01	BNT0 RC93
SD-63666-02	BNT0 RC93
SD-63666-03	RC62 RC93
SD-63690-01	RC62 4ALE
SD-63811-01	RC62 RC93
SD-63811-02	RC62 RC93
SD-63811-03	RC62 RC93
SD-63846-01	RD32
SD-64181-01	EZDT
SD-64182-01	EZDT
SD-64182-02	EZDT
SD-64183-03	EZDT
SD-64183-04	EZDT
SD-64183-05	EZDT
SD-64303-01	PDM4 PDM2
SD-64304-01	FL24 FL28 FL35 4T60
SD-64366-01	ES2V
SD-64370-01	BNT0
SD-64419-01	RD1D RD12
SD-64428-01	RD2D
SD-64429-01	RC11
SD-64682-01	CXSL
SD-64697-01	SCX2
SD-64698-01	SCXD
SD-64755-01	RC11 RC19
SD-64824-01	SCEL
SD-64883-01	2T60

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
SD-64903-01	BNE0 BNT0 CXBE CXXE FL24 FL28 FL35 HYL0 HY00 RCA2 RC73
SD-64903-01	VRMA 2T60 4T6R PDM4
SD-64903-03	VRMA HY00 HY00 4T6R FL24 FL28 FL35
SD-64904-01	2A24 2A40
SD-64904-03	2A24 2A40
SD-64904-04	2A24 2A40
SD-64905-01	2A24 2A40
SD-64937-01	VRNR
ES-65203-01	DLC1
ES-65602-01	DLTE
ES-65625-01	DLAT
ES-65669-01	DLSV
SD-66060-01	DLC1
SD-66061-01	DLC1
SD-66192-01	DLTG
SD-66471-01	DLTP
SD-66474-01	DLC1
SD-68001-01	RD2D
SD-68002-01	RD3D
SD-68003-01	RD1D
SD-68327-01	PDM4
SD-90229-01	LCPA
SD-90517-01	BNC0 BNE0
SD-95004-01	CXG0 RC12 RC62 RC91 RC93 RC02
SD-95015-01	RCCL RCCM RCCT
SD-95016-01	CXS0
SD-95022-01	RC12 RC62 RC91 RC93 RC02
SD-95028-01	CXSS
SD-95028-03	CXSS
SD-95029-01	CXSS
SD-95032-01	CXGS
SD-95043-01	PL00
SD-95048-01	CXSS
SD-95051-01	SXSS
SD-95053-01	SXSL
SD-95058-01	CXSP
SD-95060-01	SCLE
SD-95061-01	SCEL
SD-95067-01	CXSS
SD-95073-01	CXF6 SXF6
SD-95084-01	CXS0
SD-95091-01	CXSS
SD-95095-01	PLR0
SD-95112-01	VRA0

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
SD-95113-01	VRMA
SD-95144-01	BNC0 BNE0 BNØW BNTE BNT0 BØC0 CXBE CXXE FL24 FL28 FL35
SD-95144-01	PDM2 RCA2 RC12 RC73 4T6R 4T6T BR44 PDM4 HYL0 HY00
SD-95145-01	ER00
SD-95161-01	ERM0 ERD0
SD-95203-01	ER00
SD-95305-01	RC12 RC62 RC73 RC93
SD-95306-01	CXBE CXXE
SD-95308-01	CXSS
SD-95311-01	PLT0
SD-95411-01	DLC1
SD-95435-01	DLSS
SD-95464-01	DXT0
SD-95465-01	ERM0
SD-95487-01	DXT0
SD-95488-01	DXS0
SD-95489-01	4T50 4T90
SD-95492-01	RC12
ES-95668-01	DLTV
SD-95710-01	RC25
SD-95756-01	BØC0 PDØ2 ZC80 ZC00
SD-95762-01	BR23 BR24 BR25
SD-95924-01	ESA0
SD-95973-01	LCLB
SD-96008-01	DLC1
SD-96009-01	DLCP
SD-96010-01	DLC1
SD-96034-01	DLC1
SD-96050-01	LCPA
SD-96128-01	LCPA
SD-96134-01	DLC1
SD-96147-01	LCPA
SD-96234-01	DLC2
SD-96240-01	LCLB
SD-96251-01	DLØE
SD-96252-01	DLSE
SD-96270-01	DLSS
SD-96371-01	DLTG
SD-96398-01	SCET
SD-96452-01	RC12 RC62
SD-96463-01	4T50 4T60 4T90
SD-96468-01	LCLB
SD-96499-01	SFC6 SFC9 SFEE
SD-96555-01	DLC2
SD-96588-01	DLMI DLSI

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
SD-97023-01	E6BD E6B0 ERD0 ERM0 ERNL ER00
SD-97027-01	ZCND
SD-97047-01	VRA0 VREL VRMA VRM2 VRM4 VRND VRNZ
SD-97047-01	VRT6 VRT9 V4BA V4BR VRF0
SD-97054-01	ZCNE ZC80
ES-97105-01	RC12
SD-97138-01	4TB0 4TM0 4T60 4T9U 4T90 4TD4
SD-98085-01	SF60
SD-98086-01	SF00
SD-98086-02	SF00
SD-98087-01	SFDT SFYT
SD-98087-02	SFDT SFYT
SD-98088-01	SFRØ
SD-98088-02	SFRØ
SD-98089-01	SFRT SFMR
SD-98089-02	SFRT SFMR
SD-98090-01	SF40 SF60
SD-98092-01	SFMR SFM0
SD-98124-01	SF40 SF60
SD-98124-02	SF40 SF60
SD-98124-03	SF60
SD-98137-01	SFXT
SD-98137-02	SFXT
SD-98138-01	SFXS SFM0
SD-98138-02	SFXS SFM0
SD-98139-01	LCDA
SD-98140-01	SFAS
SD-98140-02	SFAS
SD-98142-01	SFAT
SD-98142-02	SFAT
SD-98149-01	EZDB EZMB
SD-98151-01	SFBR SFB0 SFMR SFM0
SD-99415-01	LCAN
SD-99705-01	ER00
SD-99726-01	EZDB EZMB
SD-99740-01	VRF0 VRMM VRNB VRNC
SD-99750-01	EZDC EZMC
SD-99751-01	SFBE
SD-99753-01	SFBP
SD-99754-01	SFBV
SD-99762-01	SF6P
SD-99763-01	DLSS
SD-99766-01	PLCM PLMC
SD-99778-01	SFMC SFTC
ES-357143	BNC0

CONVERSION TABLE 1 (Cont)

SD DRAWING	BASIC CODE
CA15764-SD	BR44 BR46
EA13338-SD	MSCS
EA-15666-SD	EZAT PDM2
EA15666-SD	BRAT BR20 BR44 BR46 BRJP BRJ6 BRKL BRT6 FLNL MSAS
SA13806-SD	BR44
SM11605-SD	EZAT
SM11605-SD	BRAT BR20 BR44 BR46 FLNL MSAS
SM12001-SD	BRAT BR44 BR46
WA12479-SD	EZDT EZMT
WA13058-SD	BR44
WA17966-SD	BR44 BR46
WA21633-SD	MSCS
19784-SD	BR44
20924-SD	BR44
21584-SD	VRNK
21616-SD	EZAT PDM2
21616-SD	BRAT BR20 BR44 BR46 BRJP BRJ6 BRKL BRT6 FLNL MSAS
22228-SD	BRT6 BR44 BR46

CONVERSION TABLE 2

BELL SYSTEM MODERNIZED ENGINEERING

CODE TO SCHEMATIC DRAWINGS, FIGURES, AND OPTIONS

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	N	C	0		0	0	A	ES-357143		
				3					1	
				5					2	
B	N	C	0		0	0	G	SD-90517-01		
				1					A	
				2					B	
				3					C	600 OHMS
				4					C	1000 OHMS
				5					C	1600 OHMS
				6					D	
B	N	C	0		0	0	B	SD-95015-01	2	
				3						600 OHMS
				4						900 OHMS
B	N	C	0		0	0	H	SD-95144-01		
				1					6.05	115BL-115F
				2					9.15	
B	N	E	0		0	0	A	SD-59002-01	14	
				A						115A
				B						115B
				C						115C
				D						115D
				E						115E
				G						115G
				H						115H
				J						115J
				K						115K
				L						115L
				M						115M
				S						115S

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	N	E	0		0	0	F	SD-64903-01		
				1						115AK
				2						115AL
				A						115A
				B						115B
				C						115C
				D						115D
				E						115E
				G						115G
				H						115H
				J						115J
				K						115K
				L						115L
				M						115M
				S						115S
B	N	E	0			0	G	SD-90517-01	1	
				1						115AK
				2						115AL
				3						115CE
				A						115A-113A
				B						115B-113B
				C						115C-113C
				D						115D-113D
				E						115E-113E
				G						115G-113G
				H						115H-113H
				J						115J-113J
				K						115K-113K
				L						115L-113L
				M						115M-113M
				S						115S-113S
					0					—
					1					B.O.C.

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	N	E	0		0	0	H	SD-95144-01	6.03	
				1						115AK
				2						115AL
				3						115CE
				A						115A
				B						115B
				C						115C
				D						115D
				E						115E
				G						115G
				H						115H
				J						115J
				K						115K
				L						115L
				M						115M
				S						115S
B	N	Ø	W		0	0	A	SD-59002-01	19	
				1						D-161328
				2						D-161329
				3						D-161804
				4						D-161807
				5						D-161386
				6						D-161387
				7						115AA
				8						D-161805
				9						D-161808
				0						115BF
				I						115BC
				T						115T
				U						115U
				W						115W
				X						115AT
				Y						115Y
				Z						115AU

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	N	Ø	W		0	0	B	SD-59042-01	1	
				1						D-161328
				2						D-161329
				3						D-161804
				4						D-161807
				5						D-161386
				6						D-161387
				7						115AA
				8						D-161805
				9						D-161808
				0						115BF
				I						115BC
				T						115T
				U						115U
				W						115W
				X						115AT
				Y						115Y
				Z						115AU
B	N	Ø	W		0	0	C	SD-60963-01	1	
				7						115AA
				T						115T
				U						115U
				W						115W
				Y						116Y
B	N	Ø	W		0	0	D	SD-60963-02	1	
				7						115AA-103A-102L
				T						115T-108A-102-A-B-C
				U						115U-108B-102-H-J-K
				W						115W-108C-102-E-F-G
				Y						115Y-102D

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	N	Ø	W		0	0	H	SD-95144-01	6.04	
				1						115AR
				2						115AS
				3						115BA
				4						115BD
				5						115AW
				6						115AY
				7						115AA
				8						115BB
				9						115BE
				0						115BF
				I						115BC
				T						115T
				U						115U
				W						115W
				X						115AT
				Y						115Y
				Z						115AU
B	N	Ø	W		0	0	H	SD-95144-01	6.04	
				1						D-161328
				2						D-161329
				3						D-161804
				4						D-161807
				5						D-161386
				6						D-161387
				8						D-161805
				9						D-161808
B	N	T	E		0	0	A	SD-59002-01	13-14	
				1						115AB
				2						115AD
				3						115AC
				4						115AE
				5						107A
				6						107D
B	N	T	E		0	0	B	SD-59042-01	2	
				1						115AB
				2						115AD
				3						115AC
				4						115AE

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	N	T	E		0	0	D	SD-60963-01	1	
				1						115AB-107C
				2						115AD-107F
				3						115AC-107B
				4						115AE-107E
				5						107A
				6						107D
B	N	T	E		0	0	C	SD-60963-02	1	
				1						115AB
				2						115AD
				3						115AC
				4						115AE
				5						107A
				6						107D
B	N	T	E		0	0	H	SD-95144-01	6.03	
				1						115AB
				2						115AD
				3						115AC
				4						115AE
				5						115BP
				6						115BR
B	N	T	0		3	0	A	SD-59002-01	13-14	
				1						115AF
				2						115AG
				3						115AH
				4						115AJ
				5						104E
				6						104F
				7						104A-104B
				8						104C-104D
				9						13T
				P						115P
				R						115R
B	N	T	0		3	0	C	SD-60963-01	1	
				5						104E
				6						104F
				7						104A-104B
				8						104C-104D
B	N	T	0		3	0	C	SD-60963-02	1	
				5						104E
				6						104F
				7						104A-104B
				8						104C-104D

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	N	T	0		3	0	C	SD-60980-01	9-11	
				5						104E
				6						104F
				7						104A-104B
				8						104C-104D
B	N	T	0		3	0	B	SD-63666-01	2, D-E	
				1						D-92945
				2						D-92946
B	N	T	0		1	0	G	SD-63666-02	2, D-E	
				P						D-92947
				R						D-92948
B	N	T	0			0	E	SD-64370-01		
				1					4 OR 2,3	115AF-D 92945
				2					4 OR 2,3	115AG-D 92946
				P					1	115P-113P
				R					1	115R-113R
					1					Y,Z
					2					X
					3					Y
B	N	T	0			0	F	SD-64903-01		
				1						115AF
				2						115AG
				3						115AH
				4						115AJ
				5						104E
				6						104F
				7						104A-104B
				8						104C-104D
				9						13T
				P						115P
				R						115R
				Z						D-176421
					1					LL
					2				46	N
					3					—

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	N	T	0			0	H	SD-95144-01	6.03	
				1						115AF
				2						115AG
				3						115AH
				4						115AJ
				5						115BM
				6						115BN
				7						115AM
				8						115AN
				9						115AP
				P						115P
				R						115R
				Z						115BG
					1					DD,LL
					2					KK
					3					DD
B	Ø	C	0	0	0	0	A	SD-25546-01	1	
B	Ø	C	0	0	0	0	B	SD-95144-01	9.13	
B	Ø	C	0	0	0	0	C	SD-95756-01	4	
B	R	A	T			0	E	SM11605-SD		
				1					27-19	
				3					18	
					0				27	
					2				18-19	
B	R	A	T			0	D	SM12001-SD		
				1					20	
				3					18	
					0				20	
					2				18	
B	R	A	T			0	C	EA15666-SD		
				1					39	
				2					6	
				3					5	
					0				39	
					2				5-6	
B	R	A	T			0	B	21616-SD		
				1					39	
				2					6	
				3					5	
					0				39	
					2				5-6	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
B	R	A	T	2		0	A	SD-55647-01	25	
				3					24-17	
B	R	J	P	0	0	0	A	21616-SD	21	
B	R	J	P	0	0	0	B	EA15660-SD	21	
B	R	J	6	0	0	0	D	21616-SD	15-2	
B	R	J	6	0	0	0	E	EA15666-SD	15-2	
B	R	J	6	0	0	0	A	SD-55647-01	16	
B	R	J	6	0	0	0	C	SD-95144-01	11-12	
B	R	K	L	0	0	0	A	21616-SD	10	
B	R	K	L	0	0	0	B	EA15666-SD	10	
B	R	T	6	0	0	0	B	21616-SD	14	
B	R	T	6	0	0	0	D	22228-SD	18	
B	R	T	6	0	0	0	C	EA15666-SD	14	
B	R	T	6	0	0	0	A	SD-55647-01	21-13	
B	R	2	M			0	A	SD-1G002-01	3,4*	
				0 1 2				*NO. OF FIG 4 IS NUMERIC VALUE OF DIGITS 5 & 6		
					0 1 2 3					
					4 5 6					
					7 8 9					

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	R	2	3	A	0	0	B	SD-1G002-01	3,4/3/	
B	R	2	3	M	0	0	A	SD-55647-01	20/2/	19FG
B	R	2	3	C	0	0	C	SD-56229-01	1	
B	R	2	3	2		0	D	SD-95762-01	1 /3/,3,4	
					0					—
					1					W,X
					2					W
B	R	2	4	A	0	0	B	SD-1G002-01	3,4 /4/	
B	R	2	4	M	0	0	A	SD-55647-01	20 /2/	19LB
B	R	2	4	C	0	0	C	SD-56229-01	2	
B	R	2	4	2		0	D	SD-95762-01	1 /4/,3,4 /2/	
					0					—
					1					W,X
					2					W
B	R	2	5	A	0	0	B	SD-1G002-01	3,4 /5/	
B	R	2	5	M	0	0	A	SD-55647-01	20/3/	19UP
B	R	2	5	C	0	0	C	SD-56229-01	3	
B	R	2	5	2		0	D	SD-95762-01	1/4/,3,4/3/	
					0					—
					1					W,X
					2					W
B	R	2	6	A	0	0	B	SD-1G002-01	3,4 /6/	
B	R	2	6	M	0	0	A	SD-55647-01	20 /3/	19UR
B	R	2	7	A	0	0	B	SD-1G002-01	3,4 /7/	
B	R	2	7	M	0	0	A	SD-55647-01	20 /4/	19PB
B	R	2	8	A	0	0	B	SD-1G002-01	3,4 /8/	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	R	2	8	M	0	0	A	SD-55647-01	20/4/	19US
B	R	2	0	0	0	0	B	21616-SD	31	
B	R	2	0	0	0	0	A	SM11605-SD	15	
B	R	2	0	0	0	0	C	EA15666-SD	31	
B	R	4	4	0	0	0	G	SA13806-SD	1	
B	R	4	4			2	E	SM11605-SD	1	
				2					3	R
				3					3	R,M
					1					K
					2					J
B	R	4	4			2	F	SM12001-SD	1	
				0						S
				2					7	
				3					7	M
					0					J
					3					K
B	R	4	4			0	H	WA13058-SD		
				0					1	
				1					2-3	
					0				3	
					2				2	
B	R	4	4			2	E	EA15666-SD	43,A	
				2						—
				3						M
					1					K
					2					J
B	R	4	4	1	2		E	EA15666-SD	20	
						0				CA
						2				CB
B	R	4	4	0	0	1	E	EA15666-SD	1	
B	R	4	4	0	0	1	J	CA15764-SD	7	
B	R	4	4	0	0	1	J	WA17966-SD	6	
B	R	4	4	0	0	0	G	19784-SD	A,B,D	
B	R	4	4	0	0	0	G	20924-SD	7	
B	R	4	4			2	E	21616-SD	43,A	
				2						—
				3						M
					1					K
					2					J

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	R	4	4	1	2		E	21616-SD	20	
						0				CA
						2				CB
B	R	4	4	0	0	1	E	21616-SD	1	
B	R	4	4			2	D	22228-SD	26,A	
				2						N
				3						M,N
					0					J
					3					K
B	R	4	4	1	0		D	22228-SD	1	
						0				CA
						2				CB
B	R	4	4	0	0		A	SD-55647-01	11	
						0				—
						1			12	
B	R	4	4	W	0	0	B	SD-59046-01	7	
B	R	4	4	W	0	0	C	SD-95144-01	11.11	
B	R	4	6			0	C	SM11605-SD	2	
				2					3	R
				3					3	R,M
					1					K
					2					J
B	R	4	6			0	B	SM12001-SD	3-2	
				0						W OR—
				2					7	
				3					7	M
					0					J
					3					K
B	R	4	6			0	E	EA15666-SD	42,A	
				2						—
				3						M
					1					K
					2					J
B	R	4	6	0	0	1	F	CA15764-SD	6	
B	R	4	6	0	0	1	G	WA17966-SD	5	
B	R	4	6			0	H	21616-SD	42,A	
				2						—
				3						M
					1					K
					2					J

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
B	R	4	6			0	D	22228-SD	25,A	
				1						—
				2						N
				3						M,N
					0					J
					3					K
B	R	4	6	0	0		A	SD-55647-01	23	
						0				—
						1			12	
C	P	1	A	C			A	SD-59040-01	1	
					1					M
					2					—
						0				E
						1				F
C	P	1	A	E			A	SD-59041-01	1	
					1					M
					2					L
						0				E
						1				F
C	X	B	C		0	0	A	SD-56166-01	4,5	Y
				1						—
				2						V
C	X	B	C	2	0	0	B	SD-60136-01	2,3	
C	X	B	C	2	0	0	C	SD-60136-02	2,3	
C	X	B	C	1	0	0	D	SD-60980-01	10, E,G-F,H	
C	X	B	C	2	0	0	E	SD-60548-01	2,3-5,6-8,9	
C	X	B	C	2	0	0	F	SD-60548-02	1-1,4	
C	X	B	E		0	0	A	SD-64903-01		
				1					8	HH
				2					8	GG
				3					7	
C	X	B	E		0	0	B	SD-95144-01		
				1					4.05	FF
				2					4.05	EE
				3					4.07	
				4					4.08	
C	X	B	E		0	0	C	SD-95306-01		
				1					2	V
				2					2	W
				3					4	
C	X	F	6		0	0	A	SD-95073-01		
				1					1	
				2					4	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
C	X	G	S				A	SD-95032-01	2,8,9,10,11, 16,17,18	
				C						ZA
				D						ZB
				E						C
				F						D
				H						ZE
				J						ZF
				K						ZG
				L						ZH
				1						ZG,ZA
				2						ZH,C
				3						ZE,ZB
				4						ZG,C
				5						ZE,ZA
				6						ZF,ZB
				7						ZE,C
				8						ZF,ZA
				9						ZF,C
				0						—
					1				A-A,E	N,W 500V
					2					N,W 500V
					3				A-A,E	N,W 1000V
					4					N,W 1000V
					5				8,10,19, A-A,E	M,V 500V
					6				8,10,19	M,V 500V
					7				8,10,19, A-A,E	M,V 1000V
					8				8,10,19	M,V 1000V
					0					—
						1			5,10	J,K
						2			5	J,H
						3			5,10	J,L
						4			5,10	K,K
						5			5	K,H
						6			5,10	K,L
						7			10,13	K
						8			10,13	H
						9			10,13	L
						A			19	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
C	X	G	S				A	SD-95032-01	1,2,3,4,8,9,10,11	
				C						ZA
				D						ZB
				E						C
				H						ZE
				J						ZF
				K						ZG
				L						ZH
				F						D
				1						ZG,ZA
				2						ZH,C
				3						ZE,ZB
				4						ZG,C
				5						ZE,ZA
				6						ZF,ZB
				7						ZE,C
				8						ZF,ZA
				9						ZF,C
				0						—
					1				A-A,E	Y,N,W 500V
					2					Y,N,W 500V
					3				A-A,E	Y,N,W 1000V
					4					Y,N,W 1000V
					5				8,10,12,	
									A-A,E	Y,M,V 500V
					6				8,10,12	Y,M,V 500V
					7				8,10,12, A,A-E	Y,M,V 1000V
					8				8,10,12	Y,M,V 1000V
					0					—
						1				J,NO K-L-H
						2			5	J,H
						4				K,NO K-L-H
						5			5	K,H
						7				NO K-L-H
						8			13	H
						A			12	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
C	X	G	0				A	SD-95004-01	1,2,3-3,5	
				C						120C
				D						120D
				E						120E
				F						120F
				H						120H
				J						120J
				K						120K
				L						120L
				1						120K/C
				2						120L/E
				3						120H/D
				4						120K/E
				5						120H/C
				6						120J/D
				7						120H/E
				8						120J/C
				9						120J/E
				T						62C/A
				U						62E/C
				V						62A/B
				W						62E/A
				X						62F/G
				Y						D90951/94E
				Z						D90508/94E
					1				4-6	500V 4MF Y
					2					500V 4MF X
					4				4-6	500V 3MF Y
					5					500V 3MF X
					7				4-6	500V 2MF Y
					8					500V 2MF X
					A				4-6	1000V 4MF Y
					B					1000V 4MF K
					C					W
						1			A	V,1MF
						2			A	1MF
						3			C	V
						4			C	—
						5			A	V,4MF
						6			A	4MF

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
C	X	S	L	2			B	SD-55130-01	1,3	
					3				2	Z
					4					Y
						1				—
						2				X
C	X	S	L				D	SD-55415-01	1,3,4	
				1						—
				2					5,6	
					1				2,7	Z
					2				7	Y
					3				2	Z
					4					Y
						1				—
						2				X
C	X	S	L	2			A	SD-64682-01	1,3	
					3				2	N
					4					M
						1				X
						2				Y
C	X	S	P				A	SD-95058-01	1,2,3,4,D-C	
				D						B
				C						A
				E						C
				F						D
				H						E
				J						F
				K						G
				L						H
					1					500V
					2					1000V
						1			A OR —	N-N,ZA
						2			A OR —	K,M-K,M,ZA
						3			A OR —	V-V,ZA
						4			B OR —	N-N,ZB
						5			B OR —	K,M-K,M,ZB
						6			B OR —	V-V,ZV
C	X	S	S	6			A	SD-95028-01	1,3	
					3				2	N
					4					M
						1				X
						2				Y

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
C	X	S	S	2			B	SD-95028-03	1,3	
					1				2	N
					2					M
						1				X
						2				Y
C	X	S	S	3			C	SD-95029-01	1,3	
					3				2	G
					4					M
						1				X
						2				Y
C	X	S	S				D	SD-95048-01	1,3	
				1					B-A	
				4					D	
				5					C	
					1				2,4	N
					2				4	K-M
					3				2	N
					4					K-M
						1				X
						2				Y
C	X	S	S	1			E	SD-95067-01	1,3	
					3				2	N
					4					M
						1				—
						2				Y
C	X	S	S	3			G	SD-95091-01	1,3	
					3				2	Y
					4					X
						1				—
						2				Q
C	X	S	S	5			F	SD-95308-01	1,3	
					3				2	N
					4					K
						1				—
						2				Y
C	X	S	0		2		B	SD-95016-01	1,3	
				2					2	X
				3						Y
						1				V
						2				W

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
C	X	S	0				A	SD-95084-01		
				1					4,5,6D	T
				1					1,2,3,A	T
				2					4,5,6,C	T
				2					1,2,3,B	T
				3					4-6,C	S
				3					1-3,B	S
				4					4-6,D	S
				4					1-3,A	S
					1					ZI OR —
					2					ZJ
						1				—
						2				V
C	X	X	C			0	A	SD-56166-01	1-2	
				1						Z,Y,S
				2						Z,Y,X,W,R
				3						Z,Y,S,W
				4						Z,S
				5						R
					1					—
					2				3	U
					3				3	T
C	X	X	C		2	0	B	SD-60136-01	1	
				1						X
				4						—
C	X	X	C		2	0	C	SD-60136-02	1	
				1						X
				3						Z
				4						—
C	X	X	C		3	0	E	SD-60548-01		
				2					4-12	
				5					1-7-11-13	
C	X	X	C			0	F	SD-60548-02		
				2					1,2	
				5					1	
					2					500V
					3				1000V	
C	X	X	C		1	0	D	SD-60980-01		
				1					5,6,7	
				4					5	
C	X	X	E		0	0	A	SD-64903-01		
				1					14	HH
				2					14	GG
				3					13	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
C	X	X	E		0	0	B	SD-95144-01		
				1					4.04	FF
				2					4.04	EE
				3					4.06	
C	X	X	E		0	0	C	SD-95306-01		
				1					1	V
				2					1	W
				3					3	
D	L	A	T				A	ES-65625-01	1	
				1						S,T,Y
				2						T,Y
				3						V,Z
					1				4	J
					2				3	K OR —
						3			2	
						4				—
D	L	C	P		0	0	A	SD-96009-01	1	
				1						ZG
				2						ZM
				3						ZJ
D	L	C	1				A	ES-65203-01	1	
				1					E-F	
				2					D	
				3					G	
					1				1,7-6-5	
					3				1	
					4				2,7-6-5	
					5					—
						1				S
						2				Y-V
						3				T
D	L	C	1			2	B	SD-66060-01	1	
				1						N-Z
				2						Y OR NO Z-N-Y
					1				3-2	R-NO R-Q
					3					R-NO R-Q
					4				3-2	Q
					5					Q
D	L	C	1			2	C	SD-66061-01	1	
				1						W-Z
				2						X
					1				2	R-NO R-S
					3					R-NO R-S
					4				2	S
					5					S

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
D	L	C	1	2	3		H	SD-66474-01	1	
						1				E-B
						2				C-A
						3				D-B
D	L	C	1		3		F	SD-95411-01	1,3	CABLED TO V2 REPEATER
				1						W
				2						Z
						2				173E
						3				173C
D	L	C	1	2	3		J	SD-96008-01	1,Z-G	
						1				62A-62B
						2				62C
						3				62E
D	L	C	1	1	1		G	SD-96010-01	1	
						1				94F
						2				94E
						3				94F
D	L	C	1				D	SD-96034-01		
				1					1-2	W
				2					1-2	X
				3					3	
					1				5	M
					2				5,6	M
					3					M
					4				5	N
					5					N
						1				T
						2				V-Z OR —
						3				U
D	L	C	1	2	3		E	SD-96134-01	1,3	CABLED TO 22A1 REPEATER
						1				62B
						2				62A
						3				62C

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
D	L	C	2				A	SD-96234-01	1	
				1						W,V-Y-Z
				2						X,V-Y-Z
					1				2	ZE
					2					ZE
					3				2	M
					4					M
					5				2	N
					6					N
						0				E
						1				R OR —
						2				D
						3				T
						4				F
						5				S
D	L	C	2			0	B	SD-96555-01	1,B	
				1						W
				2						X
				3						W,ZB
					1				2	T-S-U
					2					T-S-U
					3				2	P
					4					P
					5				2	R
					6					R
D	L	M	I		0	0	A	SD-96588-01	APP1	
				1					APP3	
				2					APP2	
D	L	Ø	E				A	SD-96251-01	1	
				1						—
				2						H
					1					ZE
					2					—
						1				ZH
						2				—
D	L	S	E				A	SD-96252-01	1,4-2	
				1						Y
				2					3	Y
				3					A	Y
				4						Z
					1				G	ZB,ZF
					2				G	ZB
					3					ZA
						2			E-D	
						4			F-C-B	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
D	L	S	I	0	0	0	L	SD-96588-01	FS1	
D	L	S	S	2		3	C	SD-31376-01	1,3,B-A	X,Y
					N					U 94N
					T					S-T 94T
D	L	S	S	2			B	SD-31848-01	1	
					N					V 94N
					T					U-T 94T
						1			A	Y
						2			A	Z
						3			B	Y
						4			B	Z
						5			A	X
						6			A	W
D	L	S	S			2	A	SD-95435-01	1	
				1					A	H
				2					A	Q
				3					B	
					C					R-P 120C
					D					N-M 120D
					E					K-J 120E
					N					Y 94N
					T					X-Z 94T
D	L	S	S	1	N	2	D	SD-96270-01	1	
D	L	S	S		C		E	SD-99763-01	2	
				1						H
				2						Q
						1				—
						2				W
D	L	S	V				A	ES-65669-01	1	
				1					3,A	Q
				2					3,A	R
				3					3,B	Q
				4					3,B	R
				5						—
					1					M,S,Y
					2					M,Y
					3				C	Y
					4					M,Z
						1			2	V
						2				V
						3			2	W
						4				W

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
D	L	T	E		0	0	A	ES-65602-01	1	
				1					F	W,ZE
				2					F	W,ZD-W
				3					E	V
				4					D	
				5					C	
				6					A	W
				7					B	W
				8					A	V
				9					B	V
				A						ZF
D	L	T	G				B	SD-66192-01	1	
				2						—
				4					2	
					2					K,V
					4					V
					6					H,W
						1				Y
						2				Y
						3				Y
						4				Y
						6				X
D	L	T	G				A	SD-96371-01	1-2	
				1						T
				2						X OR NO T-U-X
				3						U
					4					V
					6					W
						1			A,F	N OR —
						2			A,H-G	N
						3			B,E	Y
						4			2	
						5			A,D	B,F,Q,R
						6			A,C	F
						7			A,D	F
						8			B,C	F
						9			B,D	F
D	L	T	P		0	0	A	SD-66471-01	1	
				E						94E
				F						94F

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
D	L	T	V				A	ES-95668-01	1	
				1					2	K,H
				2					2	K,J
				3						Q
					1					ZC
					2					—
						1			A	V
						2			B	V
						3			C	V
						4			D	W
						5			E	G,V
						6				V,ZH
D	X	S	0		0	0	A	SD-95488-01	3-2-1	
				1						V-V,R-Z
				2						V,W-V,W,R
				3						R-N0 R-Q
				4						W
				5						—
				6						Q
D	X	T	0	8	0	0	B	SD-95464-01	1	
D	X	T	0		0	0	A	SD-95487-01	3-2	
				1						K-W
				2						J-V
				3						J,G
				4						K,J.G
				5						—
				6						H
				7						K,J-W,V
D	X	T	0		0	0	A	SD-95487-01	1	
				2						Z
				8						—
E	R	D	0	2	0	0	M	SD-95161-01	26	
E	R	D	0	6		0	L	SD-97023-01		
					0				4	
					1				26-20	
E	R	M	0				B	SD-95161-01		
				2					1	
				3					2	
				4					2	
				5					1,2	X
					D				26	
					0					—
						1			9-11	
						2			13-19-32	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
E	R	M	0	1	0	1	A	SD-95465-01	1	
E	R	M	0	6		1	C	SD-97023-01	2	
					D				21-6-5	
					0					
E	R	N	L	6		0	L	SD-97023-01		
					H					830A
					L					830B
					N					830C
					P					852A
					D					832A
E	R	0	0	2			L	SD-95145-01	1	
					T					—
					I				2	
						0				A-E
						1				B-D
E	R	0	0	3	0		M	SD-95203-01		
						0				A,N
						1				B,N
						2				A,M
						3				B,M
E	R	0	0	6	0	0	N	SD-97023-01	1	
E	R	0	0	7	0	0	P	SD-99705-01	1	
E	S	A	0	2		0	L	SD-5G019-01	CP-3A	
					1					—
					2				CP-3B	
					3				CP-3C	
					4				CP-3D	
					5				CP-3E	
E	S	A	0	3	0	0	M	SD-5G022-01	CP-5A	
E	S	A	0	1		0	A	SD-95924-01	1	
					A					Y
					B					Z
E	S	D	0	1		0	A	SD-59031-01	1,3	AD-AC
					E				2	
					0					—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
E	S	D	0	2		0	L	SD-5G019-01	CP-1A	
					1					—
					2				CP-1B	
					3				CP-1C	
					4				CP-1D	
					5				CP-1E	
E	S	D	0	3	0	0	M	SD-5G022-01	CP-1	
E	S	E	1	0	0	0	A	SD-59031-01	1,2	
E	S	L	0	2	0	0	L	SD-5G019-01	CP-4	
E	S	L	0	3	0	0	M	SD-5G022-01	CP-4	
E	S	M	0	2	1		A	SD-5G019-01	FS1	
						1			APP3	
						2			APP2	
E	S	M	0	3			B	SD-5G022-01	FS1	
					1					S,N
					2					S,M
					3					P,N
						1			FS3	
						2			FS2	
E	S	P	C		0	0	M	SD-5G022-01		
				3					APP3	
				D					CP-5	
E	S	S	C	2	0	0	L	SD-5G019-01	CP-2	
E	S	S	C		0	0	M	SD-5G022-01		
				3					CP-2	
				D					CP-6	
E	S	0	1	0	0	0	A	SD-59031-01	1	
E	S	2	V	0	0	0	A	SD-64366-01	1,A	
E	Z	A	T		0	0	C	SM11605-SD		
				A					17	
				L					16	
E	Z	A	T		0	0	B	EA15666-SD		
				A					41-32	
				C					11	
				L					23	
				V					37	
E	Z	A	T		0	0	A	21616-SD		
				A					41-32	
				C					11	
				L					23	
				V					37	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
E	Z	D	B			0	L	SD-98149-01	4	
				6	A					366A
				6	B					366B
				6	C					366C
				6	X				3	426A
				7	A					367A
E	Z	D	B			0	M	SD-99726-01	3	
				6	A					366A
				6	B					366B
				6	C					366C
				6	X					426A
				7	A					367A
E	Z	D	C			0	L	SD-99750-01	FS1	
				4	A					384A
				4	B					384B
				4	C					384C
				4	D					384D
				4	E					384E
				4	F					384F
				4	G					384G
				4	H					384H
				4	J					384J
				4	K					384K
				4	L					384L
				4	X					433A
				5	A					385A
				5	B					385B
E	Z	D	T	2			A	SD-1G002-01	1	
				6			B	SD-64181-01	17	
							C	SD-64182-01	2 OR 5 OR 11 OR 12	
				2						
				6						P
				6			D	SD-64182-02	11 OR F	
				6			E	SD-64182-03	D	
				6			F	SD-64182-04	F	
				6			G	SD-64182-05	D	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
E	Z	D	T	2 6			L	WA12479-SD	2 3	
					A	0				200A-26A
					B	0				200B-26B
					C	0				200C-26C
					D	0				200D-26D
					E	0				200E-26E
					F	0				200F-26F
					G	0				200G-26G
					H	0				200H-26H
					J	0				200J-26J
					K	0				200K-26K
					L	0				200L-26L
					M	0				200M-26M
					N	0				200N-26N
					P	0				200P-26P
					R	0				200R-26R
					S	0				200S-26S
					T	0				200T-26T
					U	0				200U-26U
					W	0				200W-26W
					Y	0				200Y-26Y
					A	A				200AA-26AA
					A	B				200AB-26AB
					A	C				200AC-26AC
					A	D				200AD-26AD
					A	E				200AE-26AE
					A	F				200AF-26AF
					A	G				200AG-26AG
					A	H				200AH-26AH
					A	J				200AJ-26AJ
					A	K				200AK
					A	L				200AL

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
E	Z	M	B	0	0	0	B	SD-98149-01	1	
E	Z	M	B	0	0	0	A	SD-99726-01	1	
E	Z	M	C				A	SD-99750-01	FS1	
				1						Z
				2						W
				3						Z-W
					1				FS2	
					2					—
						1				X
						2				Y
E	Z	M	T				A	WA12479-SD	1	R,S
				2					2	200 TYPE
				6					3	26 TYPE
					1					—
					2					X
					3					Z
					4					Y
						1			4 /1/	
						2			4 /2/	
						3			4 /3/	
						4			4 /4/	
						0				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
F	L	N	L	0	0	0	C	21616-SD	18	
F	L	N	L	0	0	0	A	SM11605-SD	21	
F	L	N	L	0	0	0	B	EA15666-SD	18	
F	L	2	4	2	0	0	E	SD-59002-01	3-42	128B
F	L	2	4	2	0	0	A	SD-64304-01	2	Z 128B
F	L	2	4	1	0	0	B	SD-64903-01	24-43	128B
F	L	2	4		0	0	C	SD-64903-03		128B
				1					18	
				2					29	
F	L	2	4		0	0	D	SD-95144-01	7.04	128B
				1						—
				2					9.04-9.01	TR
F	L	2	8	2	0	0	E	SD-59002-01	3-42	128C
F	L	2	8	2	0	0	A	SD-64304-01	2	Z 128C
F	L	2	8	1	0	0	B	SD-64903-01	24-43	128C
F	L	2	8		0	0	C	SD-64903-03		128C
				1					18	
				2					29	
F	L	2	8		0	0	D	SD-95144-01	7.04	128C
				1						—
				2					9.04-9.01	TR
F	L	3	5	2	0	0	E	SD-59002-01	3-42	128A
F	L	3	5	2	0	0	A	SD-64304-01	2	Z 128A
F	L	3	5	1	0	0	B	SD-64903-01	24-43	128A
F	L	3	5		0	0	C	SD-64903-03		128A
				1					18	
				2					29	
F	L	3	5		0	0	D	SD-95144-01	7.04	128A
				1						—
				2					9.04-9.01	TR

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
H	Y	L	0		4	0	A	SD-59002-01	34	
				B						173B
				C						173C
				D						173D
				E						173E
H	Y	L	0		3	0	C	SD-64903-03	25	
				B						173B
				D						173D
				E						173E
H	Y	L	0			0	B	SD-64903-01	43	
				B						173B
				C						173C
				D						173D
				E						173E
					1					XX 600 OHMS
					2					XX 1000 OHMS
					3					XX 1600 OHMS
					4					N-M
H	Y	L	0			0	D	SD-95144-01	3.2, 9.14	TT
				B						173B
				C						173C
				D						173D
				E						173E
					1					N 600 OHMS
					2					N 1000 OHMS
					3					N 1600 OHMS
					4					—
H	Y	0	0			0	A	SD-59002-01		
				B						173B
				C						173C
				D						173D
				E						173E
				1						173B/E
				2						173C/B
				3						173C/E
				4						173E/D
					3				8,9	MN
					4				8	MN
					5				8,9	
					6				8	
					7				21-22	
					8				21	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
H	Y	0	0				B	SD-64903-01		
				B						173B
				C						173C
				D						173D
				E						173E-173A
				1						173B/E
				2						173C/B
				3						173C/E
				4						173E/D
					1				21,22	XX
					2				21	XX
					5				3,4-5,6-9,10-11,12	
					5				16,17-21,22-41,42	
					6				3-5-9-11-16-21-41	
					7				39-40	
					8				39	
						0			21-22	
						1			3-4	
						2			5-6-16-17	
						3			41-42	
						4			9-10-11-12	
H	Y	0	0			0	C	SD-64903-03		
				B						173B
				C						173C
				D						173D
				E						173E
				1						173B/E
				2						173C/B
				3						173C/E
				4						173E/D
					1				13,14	
					2				13	
					3				4,5-6,7-8,9-13,14	MN
					4				4-6-8-13	MN
					5				4,5-6,7-8,9-13,14	
					6				4-6-8-13	
					7				23-24	
					8				23	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
H	Y	0	0				D	SD-95144-01	3.0	
				B						173B
				C						173C
				D						173D
				E						173E
				1						173B/E
				2						173C/B
				3						173C/E
				4						173E/D
					1					N,TT,PH,XX
					2					N,TT
					3					MN,TT,PH,XX
					4					MN,TT
					5					TT,PH,XX
					6					TT
						0				NN
						3				—
						4			7.03	A,YZ
L	C	A	N	0	0	0	A	SD-99415-01	APP1	
L	C	A	4		0	0	A	SD-27517-01	APP1	
				1					APP2	
				2						Z
L	C	D	A	0	0	0	L	SD-98139-01	FS1	
L	C	L	B			0	A	SD-95973-01		
				1					FS2	1680B
				2					FS1	1680A
				3					FS2	1574B
				4					FS1	1574A
					1					CAD5-1-6
					2					CAD4-2-6
L	C	L	B		A	0	C	SD-96240-01	1	
				A						Q,X,U
				B						R,Y,W
L	C	L	B			0	B	SD-96468-01		
				A					1	
				B					2	
				C					2	R
					A					X
					B					Y
L	C	P	A		2	0	E	SD-20259-01		
				1						—
				3						Z
L	C	P	A		2	0	C	SD-90229-01		
				1					1	
				2					2	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
L	C	P	A		2	0	D	SD-96050-01		
				1					1	
				2					2	
L	C	P	A				A	SD-96128-01	1	
				1					2	
				2					3	
					1				5-4	
					2					—
						0				A-B-C-D
						1				Z
L	C	P	A	3			B	SD-96147-01	4-1	
					1				3	
					2					—
						0			R,Z-A-B-C	
						1			T,Z,J	
						2			5	U,W
						3			5	V,W
L	C	T	S				C	SD-56389-01	1	
				E						V
				F						U
				G						T
					1				A	
					2				A,F	
					3				A,G	
					4				A,H	
					5				A,J	
					6				A,K	
					A				B	
					B				B,F	
					C				B,G	
					D				B,H	
					E				B,J	
					F				B,K	
						1			3,C	
						2			3,D	
						3			C	
						4			D	
L	C	T	S				D	SD-56501-01	1	
				E						S
				F						W
				G						U
					1				A	
					A				B	
						1				N,Q
						2				N
						3				Q
						4				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
L	C	T	S		1		A	SD-62486-01	1,C-D	
				E						ZD
				F						ZF
				G						ZG
						1			4,Q	
						2			4	ZL
						3			Q	
						4				ZL
L	C	T	S	E	Z		E	SD-62487-01	2,5	
						2			8	
						4				—
L	C	T	S	E	1	3	B	SD-62519-01	1,A-B	K
M	S	A	S		0	0	C	21616-SD	30	
				1						A
				2						B
M	S	A	S		0	0	B	SM11605-SD	22	
				1						X
				2						Y
M	S	A	S		0	0	A	EA15666-SD	30	
				1						A
				2						B
M	S	C	S		0	0	A	EA13338-SD	1	
				0						—
				2						R,U,Y
M	S	C	S		0	0	B	WA21633-SD	1	
				0						T,Y
				1					2	X
				2					8	T,U
				3					9	T,U-X
M	S	C	1	0	0	0	B	SD-55647-01	7	
M	S	C	2	0	0	0	B		8	
M	S	C	3	0	0	0	B		22	
M	S	L	C			0	B	SD-55647-01	1	
				1						ZZ
				2						ZZ,B
				3						YA
					1					S
					2					T

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
M	S	L	Ø			0	B	SD-55647-01	2	
				1					B	
				2					B	B
				3					10,A	
				4					10,A	B
				5					A	
				6					A	B
					1					S
					2					T
M	S	L	2		0	0	B	SD-55647-01	3	
				1					B	
				2					A	
M	S	L	3		0	0	B	SD-55647-01	4	
				1					B	
				2					A	
M	S	L	X	0	0	0	B	SD-55647-01	14	
M	S	Ø	P	0	0	0	B	SD-55647-01	15	
M	S	Ø	T		0	0	B	SD-55647-01	19	
				1					YF	
				2					YG	
M	S	Ø	X		0	0	B	SD-55647-01	18	
				1						K
				2						—
M	S	S	0				B	SD-55647-01	5	
				1					C	F
				2						Q,X
				3						F,Q
				4					9	R
				5						R
					1					M
					2					N
						1				A
						2				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
P	D	M	2	0	0	0	G	21616-SD	7	
P	D	M	2	0	0	0	G	EA15666-SD	7	
P	D	M	2	0	0	0	F	SD-1G002-01	2	
P	D	M	2	0	0	0	D	SD-55647-01	12	
P	D	M	2	0	0	0	C	SD-59329-01	6	
P	D	M	2	0	0	0	E	SD-64303-01	7	
P	D	M	2	0	0	0	B	SD-95144-01	9.14	
P	D	M	4	B	0	0	D	SD-55647-01	12	
P	D	M	4	V	0	0	A	SD-59329-01	6	
P	D	M	4	V	0	0	B	SD-64303-01	7	
P	D	M	4	V	0	0	F	SD-64903-01	C	
P	D	M	4	P	0	0	C	SD-68327-01	17-2	
P	D	M	4	V	0	0	E	SD-95144-01	9.14	
P	D	Ø	2			0	A	SD-95756-01	3	
				1 2						S T
				3						U
					1				4	
					2					—
P	D	*	*	0	0	0	B	SD-59329-01	5-15	
P	D	*	*	0	0	0	A	SD-64303-01	3-6-11	
		** DB Value of Fixed Pad								
P	L	C	M	0	0	0	L	SD-99766-01	CPS-1	
P	L	M	C	0	0	0	A	SD-99766-01	APP1	
P	L	R	0	0	0	0	A	SD-95095-01	1,2	
P	L	T	0	0	0	0	A	SD-95311-01	1,3-2	
P	L	0	0	0	0	0	A	SD-95043-01	1	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	C	A	2		0	0	D	SD-55357-01	10	
				4						—
				5					11	
R	C	A	2		0	0	A	SD-64903-01		
				2					25	YY
				4					25	ZZ
				5					32	
				6					38	
R	C	A	2		0	0	B	SD-64903-03	17	
				1						YY,MN
				2						YY
				3						ZZ,MN
				4						ZZ
				5					21	
				6					22	
R	C	A	2		0	0	C	SD-95144-01	4.01	
				1						H,MN
				2						H
				3						J,MN
				4						J
				5					4.03	
				6					4.02	
R	C	C	L			0	A	SD-95015-01		
				C					1-6	U120C
				D					1	S120D
				E					1-6	R120E
				F					1-6	Q120F
				G					7	P120G
					1				1,1A,2	4MF
					2				1,1A	
					3				1,2	
					4				1	
					5				1,1A-6-7	1MF
R	C	C	M			0	A	SD-95015-01	1	
				E						94E
				F						94F
					1					—
					2				2	
R	C	C	T				A	SD-95015-01	3,3B	X
				A						62A
				C						62C
				E						62E
				F						62F
					1					W
					2					Z
						1			5-4	
						2				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	1	2				C	SD-95004-01	3	
				C						120C
				D						120D
				E						120E
				F						120F
				G						120G
				H						120H
				J						120J
				K						120K
				L						120L
				1						120K/C
				2						120L/E
				3						120H/D
				4						120K/E
				5						120H/C
				6						120J/D
				7						120H/E
				8						120J/C
					7				A	1MF
					8				A	4MF
					9				C	
						1				600 OHMS
						2				900 OHMS
R	C	1	2				G	SD-95144-01	3.5	
				C						120C
				D						120D
				E						120E
				F						120F
				H						120H
				G						120G
				J						120J
				K						120K
				L						120L
					A					IN
					B					OUT
						A			7.11	ZQ
						B				XR

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	1	2				F	SD-95305-01	1-2 3	
				C						E 120C
				D						D 120D
				E						C 120E
				F						B 120F
				H						A 120H
				J						ZA 120J
				K						ZB 120K
				L						ZC 120L
				1						ZB,E 120K/C
				2						ZC,C 120L/E
				3						A,D 120H/D
				4						ZB,C 120K/E
				5						A,E 120H/C
				6						ZA,D 120J/D
				7						A,C 120H/E
				8						ZA,E 120J/C
					7					B
					8					C
					9					A
						1				600 OHMS
						2				900 OHMS
R	C	1	2			2	E	SD-95492-01	1	
				C						X 120C
				D						Y 120D
				E						W 120E
						1				—
						2				Z
R	C	1	2				H	SD-96452-01	1	
				C						V 120C
				D						U 120D
				E						T 120E
				F						S 120F
				G						J-H 120G
				H						ZB 120H
				J						ZA 120J
				K						A 120K
				L						ZF 120L
					1					—
					2				E-B-C	E
						1				600 OHMS
						2				900 OHMS
R	C	1	2	P	3		D	ES-97105-01	1	
						1				600 OHMS
						2				900 OHMS

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	2	5			0	A	SD-95710-01	1	
				A						Z
				B						Y
					1					W
					2					X
R	C	6	2				J	SD-55357-01	1,3,4-1,2,3,4- 1,3,4,5,7- 1,2,3,4,5,6,7	
				A						62A
				C						62C
				E						62E
				1						62C/A
				2						62E/C
				3						62A/B
				4						62E/A
					0				A	—
					1				B	1MF
					2				C	2MF
					4				C	4MF
						3			F-D	Y
						9				—
R	C	6	2				A	SD-60208-01		
				A						62A
				B						62B
				C						62C
				E						62E
					2					2MF
					4					4MF
						Y			B-C-D-G	
						Z			A	
R	C	6	2				A	SD-60782-01	1	
				A						62A
				B						62B
				C						62C
				E						62E
				F						62F
				G						62G
					0				S	
					1				M	
					2				L	
					4				A	
						Y			D-E-H-K-R	
						Z			C	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	C	6	2				B	SD-60782-02	1	
				A						62A
				E						62E
				F						62F
				G						62G
					1				A-B	1MF
					2				F-B	2MF
					4				B	4MF
						Y			C-D	
						Z			E	
R	C	6	2		Z	Z	C	SD-60782-03	1	
				A						62A
				B						62B
				C						62C
				E						62E
				F						62F
				G						62G
R	C	6	2			Z	K	SD-60979-01		
				C						62C
				E						62E
					A				1-9	
					B				2-10	
					C				3-11	12,13
					D				6-14	15,16
R	C	6	2		1	Y	E	SD-60980-01	5-8	
				A						62A
				E						62E
R	C	6	2			3	E	SD-63666-03	1	
				A						62A
				E						62E
				4						62E/A
					0				B	—
					1				A	1MF
					2				A	2MF
					4				A	4MF
R	C	6	2			Z	K	SD-63690-01		
				C						62C
					A				1	
					B				2	
					C				3	
					D				4	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	6	2			Z	H	SD-63811-01	1	
				C						62C
				E						62E
				1						62C/A
				2						62E/C
				4						62E/A
					1					1MF
					4					4MF
R	C	6	2		Z	Z	D	SD-95004-01	3,A-C	
				A						62A
				B						62B
				C						62C
				E						62E
				F						62F
				G						62G
				1						62C/A
				2						62E/C
				3						62A/B
				4						62E/A
				5						62F/G
R	C	6	2			Z	G	SD-95022-01	1-2-3	
				A						62A
				B						62B
				C						62C
				E						62E
				F						62F
				G						62G
					0				A	
					1				D	1MF
					Z				B	
R	C	6	2				F	SD-95305-01	1,4-2,5-3,6	
				A						62A
				B						62B
				C						62C
				E						62E
				F						62F
					0				A	
					1				D,E	1MF
					Z				B-C	
						3				ZN-Z
						4				ZR-V
						9				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	6	2			X	I	SD-96452-01	1,2	
				A						Z 62A
				B						Y 62B
				C						X 62C
				E						W 62E
					0				A	
					Z				B-C-D-E	
R	C	7	3				E	SD-64903-01		
				B						173B
				C						173C
				D						173D
				E						173A
				1						173E/C
				2						173C/B
				3						173B/E
					1				50,51-28,29-26 27	
					2				50-28-26	
					3				52,53-35,36-33,34	
					4				52-33-35	
					7				33,37-35,47	
						3				Z
						4				W OR —
R	C	7	3				G	SD-95144-01	3.4	
				B						173B
				C						173C
				D						173D
				E						173E-173A
				1						173E/C
				2						173C/B
				3						173B/E
					1				7.11	PH
					2				7.11	SG
					3					PH
					4					SG
					5					PH
					6					SG
						1				YW
						2				Z, ZZ
						3				Z
						4				W

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	7	5				C	SD-55357-01	1,3,4-1,2,3,4- 1,3,4,5,7- 1,2,3,4,5,6,7	
				A						75A
				B						75B
				F						75F-75C
				G						75G-75E
				1						75F/A
				2						75G/F
				3						75A/B
				4						75G/A
					0				A	—
					1				B	1MF
					2				C	2MF
					4				C	4MF
						1			D-E-F-G	
						2				—
R	C	7	5				B	SD-60524-01	1,2	
				A						75A
				B						75B
				3						75A/B
					0					—
					1				3,5	
					2				4,6	
						1			A	
						2			B	
R	C	7	5				A	SD-60782-01	1	
				A						75A
				B						75B
				F						75F-75C
				G						75G-75E
					0				S	
					1				B	1MF
					2				L	2MF
					4				A-B	4MF
						1			D-E-H-K	
						2			C	
R	C	9	1	0	0	0	C	SD-60782-01	1	
R	C	9	1	0	0	0	A	SD-95004-01	3	
R	C	9	1	0	0	0	B	SD-95022-01	1-2-3	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	C	9	3				B	SD-55357-01	1,3,4-1,2,3,4- 1,3,4,5,7- 1,2,3,4,5,6,7	
				A						93A
				B						93B
				F						93F
				G						93G
				H						93H
				J						93J
				1						93F/A
				2						93J/H
				3						93A/B
				4						93G/A
					0				A	—
					1				B	1MF
					2				C	2MF
					4				C	4MF
						3			F-D	Y
						5			E	X
						6			G-D	Z
						8			E	
						9				—
R	C	9	3				A	SD-60208-01		
				A						93A
				B						93B
				F						93F-93C
				G						93E
					2					2MF
					4					4MF
						Y			B-C-D-G	
						Z			A	
R	C	9	3				E	ES-60524-01	1,2	
				A						93A
				B						93B
				3						93A/B
					0					—
					1				3,5	1MF
					2				4,6	2MF
						Y			A	
						Z			B	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	9	3				A	SD-60782-01	1	
				A						93A
				B						93B
				F						93F-93C
				G						93G-93E
				H						93H
				J						93J
					0				S	
					1				M-G	
					2				L-N	
					4				A	
						Y			D-E-H-K-R	
						Z			C	
R	C	9	3				A	SD-60782-02	1	
				A						93A
				B						93B
				G						93G
					1				A-B	1MF
					2				F-B	2MF
					4				B	4MF
						Y			C-D	
						Z			E	
R	C	9	3		Z	Z	A	SD-60782-03	1	
				A						93A
				B						93B
				F						93F
				G						93G
				J						93J
R	C	9	3				D	SD-60782-04	1,2	
				A						93A
				F						93F
				H						93H
				J						93J
					0				G	
					1				F	
					2				B	2MF
					4				B	4MF
						Y			C	
						Z			E	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	C	9	3				E	SD-60980-01	1,2-3,4-5,8	
				A						93A
				B						93B
				G						93G
					0					—
					1					1MF
					2					2MF
						Y			O-Q	
						Z			C-D-M-N-P	
R	C	9	3		1	3	C	SD-63275-01	1	
				A						93A
				B						93B
				3						93A/B
R	C	9	3			Y	E	SD-63666-01-02-03		
				A						93A
				F						93F
				G						93G
				H						93H
				J						93J
				1						93F/A
				2						93J/H
				4						93G/A
					0					—
					1					1MF
					2					2MF
					A					4MF
R	C	9	3			Z	H	SD-63811-01-02-03	1	
				F						93F
				G						93G
				J						93J
				1						93F/A
				2						93J/H
				4						93G/A
					1					1MF
					4					4MF
R	C	9	3		Z	Z	J	SD-95004-01	3,A-C	
				A						93A
				B						93B
				F						93F
				G						93G
				H						93H
				J						93J
				1						93F/A
				2						93J/H
				3						93A/B
				4						93G/A

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
R	C	9	3			Z	G	SD-95022-01	1-2-3	
				A						93A
				B						93B
				F						93F
				G						93G
					0				A	
					4				C	4MF
					Z				B	
R	C	9	3				F	SD-95305-01	1,4-2,5-3,6	
				A						M 93A
				B						K 93B
				F						J 93F
				G						H 93G
				H						G 93H
				J						F 93J
					0				A	
					1				F,G	
						3				ZN-Z
						4				ZR-V
						5				ZO-Y
						6				ZQ-W
						7				ZS-U
						8				ZP-X
						9				—
R	C	0	2		0	0	A	SD-95004-01	3	
				A						102A
				B						102B
R	C	0	2		0	0	B	SD-95022-01	1-2-3	
				A						102A
				B						102B
R	D	1	D				D	SD-55393-01		
				1					2,5,12,10-11	
				2					2,10-11	
				3					1,6,8-11	
				4					1,8-9	
								SD-55392-01	1	
					1					Z
					2					Y
						1			2	X
						2			4,5	W

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	D	1	D		2	2	A	SD-61385-01 SD-61832-01	1	1 C.O.RELAY
				3					C	Y-Z
				4					B	S-T
R	D	1	D	4	2		C	SD-64419-01	1,4	
						1			5	
						2			6	
						3			9	
						4			7	
R	D	1	D	2	2	1	B	SD-68003-01	1	
R	D	1	2		1		A	ES-60467-01	1	
				1						—
				5						CABLED TO 4WTS SD-61393-02
						1				C.O.RELAY 704-3770
						2				C.O.RELAY 2003-62
R	D	1	2		2		B	SD-61385-01	1	
				1					B	
				3					C,J	
						1				C.O.RELAY 61391-01-02
						1				C.O.RELAY 61390-02-03
						2				C.O.RELAY PER SD-61390-01
R	D	1	2	1	2		B	SD-61385-03	1	
						1				C.O.RELAY 61391-01-02
						2				C.O.RELAY 61390-01
R	D	1	2		2	1	B	SD-61385-04	1	
				1						C.O.RELAY 61390-02-03
				3						C.O.RELAY 61391-01-02
R	D	1	2		2	1	C	SD-64419-01	1	
				1					2,3,11	
				2					2,3	
				3					3,11,10-8	
				4					3,10-8	
R	D	1	3	0	0	0	A	SD-61385-01	1,C,K	
R	D	1	3	0	0	0	B	SD-61385-05	1	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	D	2	D	1		0	E	SD-55194-01	1-3	
				2					2,5	—
					2				A-C	
					3				B	
R	D	2	D	3	1	0	D	SD-55273-01	1	
R	D	2	D	2		0	G	SD-55435-01	1	
					1				A	
					2				B	
					3				A	
R	D	2	D	2	1	0	F	SD-55512-01	1,A	
R	D	2	D			0	H	SD-55560-01	1	
				1					2	V
				2						—
					1				A	
					2				C	
					3				B	
R	D	2	D	2	2	0	A	SD-62120-01	1	
R	D	2	D	2	2	0	B	SD-62629-01	1	
R	D	2	D	2	2	0	J	SD-64428-01	1	
R	D	2	D	2	2	0	K	SD-63387-01	1	
R	D	2	D	4	1	0	C	SD-68001-01	1	
R	D	2	2	0	0	0	A	SD-62006-01	1	
R	D	2	2	0	0	0	B	SD-62006-02	1	
R	D	2	2	0	0	0	C	SD-62135-01		
R	D	3	D	1	0	0	B	SD-55172-01	1-2	
R	D	3	D	2	0	0	F	ES-60636-01	1	
R	D	3	D	2	0	0	C	SD-62119-01	1	
R	D	3	D	1	0	0	A	SD-62630-01	1	
R	D	3	D	4	0	0	E	SD-62630-02	1	
R	D	3	D	3	0	0	D	SD-68002-01	1	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
R	D	3	2		0	0	A	ES-60213-01	1	
				1					A-B	
				2					C	
R	D	3	2		0	0	C	SD-60213-02	1	
				1					A	
				2					B	
R	D	3	2	2	0	0	D	SD-60213-03	1	
R	D	3	2		0	0	B	ES-60717-01	1	
				1					A	
				2					B	
R	D	3	2	2	0	0	F	SD-62079-01	1	
R	D	3	2	2	0	0	E	SD-63846-01	1	
S	C	A	D		0	0	A	SD-56131-01	1	
				1						Z
				2						Y
S	C	A	2	0	0	0	A	SD-56199-01	1,2-3	
S	C	E	D			0	A	SD-56159-01	1	
				1						Z
				2						Y
					1				2	
					2					—
S	C	E	L	1	1	0	B	SD-64824-01	1	
S	C	E	L			0	A	SD-95061-01	1	
				1					2	
				2						—
					0					W
					1					X
S	C	E	T	0	0	0	A	SD-96398-01	1	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
S	C	E	P				A	SD-31726-01	1	
				1					B,E	Y,ZE
				2					A,E	Y,ZE
				3					B,F	ZE
				4					A,F	ZE
				5					B,E	K,ZE
				6					A,E	K,ZE
				7					B,G	ZF
				8					A,G	ZF
					1				H-D	R
					2				C	X
					3				H-D	S,W
					4				C	W
					5				H	S,W,ZG,ZH
					6				H	W,ZG,ZH
						1				D,B-C
						2				—
S	C	E	2		0	0	A	SD-56163-01	1-5	
				1					2	T-NO T-V
				2					4	V
				3					2,3	V
S	C	E	5		0	0	A	SD-27008-01	1,2	
				1						Q
				2					3	
S	C	X	D	0	0	0	A	SD-64698-01	1	
S	C	X	2		0	0	A	SD-64697-01	1	
				1					2	
				2					3	
				3					2,4	
S	C	L	E				A	SD-95060-01	1,B	
				1					2	ZH,ZS,ZJ
				2					2	ZH,ZS,ZK
				3					3	ZH,ZS,ZJ
				4					3	ZH,ZS,ZK
				5						ZG
					1					B,ZU
					2					F,ZU
					3					B
					4					F
						1			D	ZL,ZX,ZQ,ZT
						2			D	ZL
						3			D	ZX,ZQ,ZT
						4			D	
						5			C	ZL,ZX,ZQ,ZT
						6			C	ZL
						7			C	ZX,ZQ,ZT
						8			C	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
S	C	L	E				A	SD-95060-01	1	
				1					2	ZH,ZJ
				2					2	ZH,ZK
				3					3	ZH,ZJ
				4					3	ZH,ZK
				5						V,ZG
					1					E,ZU
					3					E
						1				T,ZP
						2				V
						3				T,ZP
						4				V
						5			NO C-D	T,ZP
						6			NO C-D	V
						7			NO C-D	T,ZP
						8			NO C-D	V
S	C	5	E				A	SD-27009-01	1	
				1					3	N
				2						N,W
				3						W
					1					Z
					2				2	
						0				N OR —
						1				M,Q
S	F	A	S		0	0	L	SD-98140-01	FS1-2	
				0						E1SA
				1						E1SA-10-11
				2						E2SA-10
S	F	A	S		0	0	M	SD-98140-02	FS1-2	
				1						E1SA-20-21-22
				2						E2SA-15-16-20
S	F	A	T		0	0	L	SD-98142-01	FS1-2	
				0						E1LA
				1						E1LA-10
				2						E2LA-10
S	F	A	T		0	0	M	SD-98142-02	FS1-2	
				1						E1LA-20
				2						E2LA-15-20
S	F	C	6	0	0	0	A	SD-96499-01	FS5	
S	F	C	6	0	0	0	B	SD-98124-02	FS2	
S	F	C	6	0	0	0	D	SD-98124-03	FS2	
S	F	C	6	0	0	0	C	SD-98124-01	FS2	
S	F	C	9	0	0	0	A	SD-96499-01	FS4	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
S	F	D	Ø	1	0	0	L	SD-98086-01	FS1	E2C-10
S	F	D	Ø	1	0	0	M	SD-98086-02	FS1	E2C-15-20
S	F	D	T		0	0	L	SD-98087-01	FS1	Z
				2						E2D-10
				3						E2D-11
S	F	D	T	3	0	0	M	SD-98087-02		E2D-15-20
S	F	E	E		0	0	L	SD-96499-01	FS1,2,3	T
				1						E1A
				2						E1A-10-11
				3						E1A-12
				4						E1A-13
S	F	F	4	0	0	0	E	SD-56292-01	8	Q
S	F	F	6	0	0	0	E		8	R
S	F	M	C	0	0	0	A	SD-99778-01	FS1	
S	F	M	R	0	0	0	A	SD-98151-01	FS2	Y
								SD-98092-01	FS1	Y-A
S	F	M	0		0	0	B	SD-56292-01	1	
				2						
				4						
S	F	M	0		0	0	A	SD-98092-01	FS1	
								SD-98151-01	FS1	Z
								SD-98138-01	FS2	
				1						V-ZA
				2						V-ZA
				3						Y-A
				4						Y-A
S	F	N	1		0	0	A	SD-55954-01		
S	F	N	1		0	0	B	SD-55954-02		
				0					3-6	N-P,S
				1					3	R
S	F	N	1	0	0	0	C	SD-56202-01	3	N
S	F	N	2		0	0	A	SD-55954-01		
S	F	N	2		0	0	B	SD-55954-02		
				0					3-6	M-Q,S
				1					3	R

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
S	F	N	2	0	0	0	C	SD-56202-01	3	M
S	F	N	4	0	0	0	D	SD-56202-02	3	M
S	F	N	4	0	0	0	E	SD-56292-01	3	Y
S	F	N	6	0	0	0	D	SD-56202-02	3	N
S	F	N	6	0	0	0	E	SD-56292-01	3	Z
S	F	R	Ø		0	0	L	SD-98088-01	FS1	
				1						E1E
				2						E1E-10-11
S	F	R	Ø	2	0	0	M	SD-98088-02	FS1	E1E-20-21
S	F	R	T		0	0	L	SD-98089-01	FS1	
				1						E1F
				2						E1F-10
S	F	R	T	2	0	0	M	SD-98089-02	FS1	E1F-20
S	F	T	C		0	0	L	SD-99778-01		
				A					APP1	
				B					APP2	
S	F	X	S		0	0	L	SD-98138-01	FS1	
				1						E1S
				2						E1S-10-12
				3						E1S-11-13
				4						E2S-10
S	F	X	S		0		M	SD-98138-02	FS1	
				3						E1S-20-21
				4						E2S-15-20
						0				
						H				
S	F	X	T		0	0	L	SD-98137-01	FS1	
				1						E1L
				2						E1L-10
				3						E1L-11
				4						E2L-10
S	F	X	T		0	0	M	SD-98137-02	FS1	
				3						E2L-21
				4						E2L-22

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
S	F	Y	Ø	1 2	0	0	L	SD-98086-01	FS1	E1C E1C-10-11-12-13
S	F	Y	Ø	3 2 3	0	0	M	SD-98086-02	FS1	E1C-14-15 E1C-20-21 E1C-22
S	F	Y	T	1 2	0	0	L	SD-98087-01	FS1	Y E1D-1 E1D-10-11
S	F	Y	T	3 4 2 3	0	0	M	SD-98087-02	FS1	E1D-12-13 E3D-10-11 Y E1D-20-21 E1D-22
S	F	1	0	4 0	0	0	A	SD-55954-01	1	E3D-15-20 P
S	F	1	0	0	0	0	B	SD-55954-02	1	P
S	F	1	0	0	0	0	C	SD-56202-01	1	P
S	F	2	0	0	0	0	A	SD-55954-01	1	Q
S	F	2	0	0	0	0	B	SD-55954-02	1	Q
S	F	2	0	0	0	0	C	SD-56202-01	1	Q
S	F	2	0	0	0	0	C	SD-56202-01	1	Q
S	F	4	0	Y	0	0	D	SD-56202-02	1	Q
S	F	4	0	1	0	0	L	SD-56292-01	1	Y
S	F	4	0	1 2	0	0	M	SD-98090-01	FS1	Y E2B E2B-10-11
S	F	4	0	3 1 2	0	0	N	SD-98124-01	FS1	E2B-12 Y E3B-2-3-4-5-6 E3B-7-8-9-10-11-12- 13-14-20-21
S	F	4	0	3 2	0	0	P	SD-98124-02	FS1	E3B-15-16-17-18-22 Y E3B-20-21
				3						E3B-22

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
S	F	6	P	0	0	0 H	L	SD-99762-01	FS1	E1J-20
S	F	6	0	Z	0	0	D	SD-56202-02	1	P
S	F	6	0	1	0	0	R	SD-56292-01	1	Z
S	F	6	0	1 2		0	L	SD-98085-01	FS1	E1B E1B-10-11-12
				Y	1					E1B-13 Z
S	F	6	0	1 2	2 0	0	M	SD-98090-01	FS1	Y OR — Z E2B E2B-10-11
S	F	6	0	1 2	3 0	0	N	SD-98124-01	FS1	E2B-12 Z E3B-2-3-4-5-6 E3B-7-8-9-10-11-12-13-14-20-21
S	F	6	0	2 3	3 0		P	SD-98124-02	FS1	E3B-15-16-17-18-22 Z E3B-7-8-9-10-11-12-13-14-20-21 E3B-15-16-17
S	F	6	0	4	0 H 0	0 H	S	SD-98124-03	FS1	18-22 E4B-20
S	X	S	L	0	0	0	A	SD-95053-01	1-2-3-4-5,6	
S	X	S	S	1 2	0	0	A	SD-95051-01	1	500V 1000V
S	X	F	6	1 2	0	0	A	SD-95073-01	2 3	
V	R	A	0	Y Z	0	0	1	ALTEC 12910		BX B

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
V	R	A	0	3	0	0	M	SD-95112-01		V3
V	R	A	0	H L	0	0	L	SD-97047-01		227B 227A
				0						227C
V	R	E	L	A	0	0	L	SD-97047-01		359A
V	R	E	L	B	0	0	L			359B
V	R	E	L	C	0	0	L			359C
V	R	E	L	D	0	0	L			359D
V	R	E	L	E	0	0	L			359E
V	R	E	L	F	0	0	L			359F
V	R	E	L	G	0	0	L			359G
V	R	E	L	H	0	0	L			359H
V	R	E	L	J	0	0	L			359J
V	R	E	L	K	0	0	L			359K
V	R	E	L	L	0	0	L			359L
V	R	E	L	M	0	0	L			359M
V	R	E	L	N	0	0	L			359N
V	R	E	L	1	0	0	1	ALTEC 12912		
V	R	F	0	0	0	0	L	SD-97047-01		648A
V	R	M	A	Z	1 2	0	1	ALTEC 12910		SX LEAD —
V	R	M	A	1 2	2	0	C	SD 64903-01	1-2-3 49	
V	R	M	A	1	2	0	D	SD-64903-03	1-2-30	
V	R	M	A	3	2	0	B	SD-95113-01	1	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
V	R	M	A			0	A	SD-97047-01		
				4					1 /2/	
				N					21 /2/	
					1					SX LEAD
					2					—
V	R	M	M		0	0	A	SD-99740-01		
				1					1	
				2					2	M
				3					2	N
				5					4	
V	R	M	2				A	SD-97047-01		
				A					10	
				C					25	
					1					SX,F,G,D LEADS
					2					SX LEADS
					3					F,G,D LEADS
					4					—
						1			25	H,NT,NR LEADS
						2			25-10	NT,NR LEADS
						3			25	H
						4			25-10	G OR —
V	R	M	4			0	A	SD-97047-01		
				A					11	
				B					19	
					1					SX LEADS
					2					—
V	R	N	B	A	0	0	L	SD-99740-01		4066A
V	R	N	B	B	0	0	L			4066B
V	R	N	B	D	0	0	L			4066D
V	R	N	B	E	0	0	L			4066E
V	R	N	B	F	0	0	L			4066F
V	R	N	B	G	0	0	L			4066G
V	R	N	B	H	0	0	L			4066H
V	R	N	C	0	0	0	L			4066C
V	R	N	D	0	0	0	L	SD-97047-01		434A
V	R	N	K		0	0	A	21584-SD	1,4	
				1					2	
				2					3	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
V	R	N	R	0	0	0	A	SD-64937-01	1	
V	R	N	Z	A	0	0	L	SD-97047-01		849A
V	R	N	Z	B	0	0	L			849B
V	R	N	Z	C	0	0	L			849C
V	R	N	Z	D	0	0	L			849D
V	R	N	Z	E	0	0	L			849E
V	R	N	Z	F	0	0	L			849F
V	R	N	Z	G	0	0	L			849G
V	R	T	6	0	0	0	L	SD-97047-01		1B
V	R	T	9	0	0	0	L			1A
Z	C	N	D	0	0	0	A	SD-97027-01	1	
Z	C	N	E	0	0	0	B	SD-97054-01	4	
Z	C	8	0		0	0	A	SD-95756-01	1,5-2	
				1						—
				2					4	
Z	C	8	0		0	0	B	SD-97054-01		
				0					3	
				1					1	
				2					1,2	
Z	C	0	0			0	A	SD-95756-01	1	
				1						Y
				2						Z
					1				4	
					2					—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
2	A	L	E	1	0	0	A	SD-60980-01	1,2,9	
				2					5,6,7,8,10,11	
				3					3,4	
2	A	2	0		*		A	SD-61040-01		
2	A	2	0		*		B	SD-61040-02		
2	A	2	0		*		C	SD-61040-03		
2	A	2	0		*		D	SD-61040-04		
2	A	2	0		*		E	SD-62421-01		
2	A	2	0		*		F	SD-62421-02		
2	A	2	0		*		G	SD-62421-03		
		*SEE ENCODER FOR DIGITS 5,6,7								
2	A	2	4		*		H	SD-64904-01	1,A-B	
2	A	2	4		*		J	SD-64904-02	1,A-B	
2	A	2	4		*		K	SD-64904-03	1,A-B	
2	A	2	4		*		I	SD-64905-01	1,A-B	
		*SEE ENCODER FOR DIGITS 5,6,7								
2	A	4	0		*		H	SD-64904-01	1,C	
2	A	4	0		*		J	SD-64904-02	1,C	
2	A	4	0		*		K	SD-64904-03	1,C	
2	A	4	0		*		I	SD-64905-01	1,C	
		*SEE ENCODER FOR DIGITS 5,6,7								
2	T	6	0	0	0	0	A	SD-59002-01	10	
2	T	6	0	0	0	0	D	SD-61387-01	2	
2	T	6	0	0	0	0	C	SD-64883-01	1,2	
2	T	6	0	0	0	0	B	SD-64903-01	10	

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1 2 3 4 5 6 7 8	DRAWING	FIGURE	OPTION
4 A L E 1 0 C	SD-55497-01		
A		1	
B		2	
C		3	
D		4	
4 A L E 0 0 A	SD-60979-01		
1		1,2	
2		3,4,5,6,7,8	
3		9,10	
4		11,12,13,14,15,16	
A		1	
B		2	
C		3,4,5	
D		6,7,8	
E		9	
F		10	
G		11,12,13	
H		14,15,16	
4 A L E 0 0 B	SD-63690-01		
A		1	
B		2	
C		3	
D		4	
4 A P C * C	SD-61306-01		
4 A F L * E	SD-59003-01		
4 A F 0 * E	SD-59003-01		
4 A P R * B	SD-61306-02		
4 A P T * D	SD-61306-04		
4 A 0 0 * A	SD-61306-01		
*SEE ENCODER FOR DIGITS 5,6,7			
4 T D 4 0 0 0 L	SD-97138-01	105	437A PLUG
4 T M 0 0 A	SD-97138-01		
1		2, A	
2		2, B	
3		1-2, D	W
4		2, C	
1			NT,NR LEADS
2			—

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
4	T	Ø	T				A	SD-27016-01		
				1					2	W
				2					1	J,W-R
				3					1	K,W-R
				4					2	V
				5					1	J,V
				6					1	K,V
				7					1	J,G
				8					1	K,G
					1				3	
					2					—
						1				Z
						2				—
4	T	5	0		2	2	B	SD-95489-01	1	X
				4						—
				5						V
4	T	5	0				C	SD-96463-01	7-1,J-G	YA,YE-X
				1					4-3	ZS,YF-ZU-ZT
				2					4-3	YF-ZU-ZT
				3						YF-ZU
				4						YG-ZT
				5					8	YG
					1				7	YB-T
					2				1	YC-S
					3				7	YC-S
					4				1	YB-T
						1			6	
						2				—
4	T	6	R	3	2	1	D	SD-59030-01	1	
4	T	6	R				A	SD-64903-01	18	
				1						T
				2						—
					1				C	
					2					WW
						1			19-20	
						2				—
4	T	6	R	1	2		C	SD-64903-03	10	
						1			11-12	
						2				—

CONVERSION TABLE 2 (Cont)

CODE DIGIT 1	2	3	4	5	6	7	8	DRAWING	FIGURE	OPTION
4	T	6	R				B	SD-95144-01	9.11	
				1					9.15	
				2						—
					1				9.14	
					2					—
						1			9.12,9.13	
						2				—
4	T	6	T		0	0	B	SD-95144-01	9.01	
				1					9.03,9.14	
				2					9.03	
				3						—
4	T	6	0	2	1		A	SD-56181-01	1	
						0			H	
						3			A to J	
4	T	6	0	2	1		D	SD-61395-01	1	L
						0			B-D	R
						1			F	R
						2			F	S
						3			B-D	S
4	T	6	0	2	1		D	SD-61395-02	1	L
						0				R
						1			F	R
						2			F	S
						3				S
4	T	6	0	2			B	SD-64304-01	1	
					1				B	
					3				A	
						0				W
						1				V
4	T	6	0				C	SD-96463-01	9-2,J-H	ZY
				1					4-3	ZS,YF-ZP-ZQ
				2					4-3	YF-ZP-ZQ
				3						YF-ZQ
				4						YG-ZP
				5					8	YG
					0				9	YB-T
					1				2	YC-S
					2				9	YC-S
					3				2	YB-T
						0			6	
						3			5 OR A TO F	

CONVERSION TABLE 2 (Cont)

CODE DIGIT								DRAWING	FIGURE	OPTION
1	2	3	4	5	6	7	8			
4	T	6	0	0	0	0	L	SD-97138-01	1-2	1D
4	T	9	0		1	1	B	SD-95489-01	1	W
				4						—
				5						V
4	T	9	0				C	SD-96463-01	7-1,J-G	ZZ,YD-ZX
				1					4-3	ZS,YF-ZU-ZT
				2					4-3	ZF-ZU-ZT
				3						YF-ZU
				4						YG-ZT
				5					8	YG
					0				7	YB-T
					1				1	YC-S
					2				7	YC-S
					3				1	YB-T
						0			6	
						1			5 OR A TO F	
4	T	9	0	0	0	0	L	SD-97138-01	1-2	1C
4	T	9	U	0	0	0	L	SD-97138-01		1G-1E-1F

CONVERSION TABLE 3

BELL SYSTEM MODERNIZED ENGINEERING TERMINATING AND SIGNALING EQUIPMENT MANUFACTURING DRAWING AND EQUIPMENT SPECIFICATION TO BASIC CODES

PLUG-IN EQUIPMENT

MFG DRWG/ EQPT SPEC	BASIC CODE	MFG DRWG/ EQPT SPEC	BASIC CODE
J-68602CL	SF40 SF60	J-98613CY	SFXS
J-68647A	VRA0	J-98613DE	SF60
J-68647B	VRA0	J-98618A	SFAT
J-68878A	ESD0	J-98618B	SFAS
J-68878B	ESSC	J-98619B-1	DLSS
J-68878C	ESA0	J-99253A	ER00
J-68878D	ESL0	J-99253E	ERD0
J-68881AA	ESD0	J-99253L	ERD0
J-68881AB	ESA0	J-99271A	ER00
J-68881AC	ESL0	ED-96588	DLSI
J-68881AD	ESSC	ED-99574	SFTC
J-70144A	LCDA	ED-99583	SFTC
J-70144C	SFAS	ED-99791	PLCM
J-70144D	SFAT	ED-5G030	ESSC
J-87245B	ESPC	ED-5G031	ESPC
J-98612A	ER00	WA-12479-ED	EZDT
J-98612B	ER00	AMPL 227 TYPE	VRA0
J-98612L	ERD0	EQUAL 359 TYPE	VREL
J-98613A	SFEE	EQUAL 366 TYPE	EZDB
J-98613D	SF60	EQUAL 367 TYPE	EZDB
J-98613E	SFDØ SFYØ	EQUAL 384 TYPE	EZDC
J-98613F	SFDT SFYT	EQUAL 385 TYPE	EZDC
J-98613G	SF60	FLT 648 TYPE	VFR0
J-98613H	SFRØ	NET 434 TYPE	VRND
J-98613J	SFRT	NET 830 TYPE	ERNL
J-98613BB	SF40	NET 832 TYPE	ERNL
J-98613BD	SF60	NET 849 TYPE	VRNZ
J-98613BE	SF40	NET 852 TYPE	ERNL
J-98613BL	SFXT	NET 4066 TYPE	VRNB VRNC
J-98613BS	SFXS	PLUG 433 TYPE	EZDC
J-98613CD	SF60	PLUG 437 TYPE	4TD4
J-98613CE	SF40	PLUG 426 TYPE	EZDB
J-98613CH	SFDØ SFYØ	TERM SET 1A	VRT9
J-98613CJ	SFDT SFYT	TERM SET 1B	VRT6
J-98613CK	SFXS	TERM SET 1C	4T90
J-98613CL	SFXT	TERM SET 1D	4T60
J-98613CR	SFRØ	TERM SET 1E	4T9U
J-98613CS	SFRT	TERM SET 1F	4T9U
J-98613CU	SF6P	TERM SET 1G	4T9U