

CONNECTING BLOCKS, 66-TYPE NUMBERING AND WIRING PLAN

1. GENERAL

- 1.01** This section provides information on numbering and wiring of 66-type connecting blocks.
- 1.02** This section is reissued to add information on the 66MB1-50 and 66B-36 connecting blocks.
- 1.03** Incoming central office lines to be installed in compliance with the Federal Communications Commission (FCC) Registration Program must be routed through a standard network interface. Information on approved interfaces is contained in Sections 463-400-100 through 463-400-150.

2. NUMBERING

66-Type General Purpose Connecting Blocks

- 2.01** The connecting block numbering plan is dependent upon the blocks being wall mounted with the long side vertical. The first terminal in the upper left-hand corner is designated 1A.
- 2.02** Numbering plans for various general purpose connecting blocks are shown in Fig. 1 through 7.

Note: The symbols in these figures illustrate the number of connectors and terminals on each connector in a horizontal row, ie, 0-0-0-0 indicates one connector with four terminals; 0-0 0-0 indicates two connectors with two terminals each, etc.

- 2.03** When marking these connecting blocks and fanning strips for terminal identification, use the transfer stenciling kit to stamp and identify the terminals. Refer to Section 081-860-105 for stenciling procedures.

3. IDENTIFICATION

- 3.01** For explicit identification and installation information, see the following sections:
- Section 461-604-102—Connecting Blocks, 66A-, 66B-, 66C-, and 66M-Type
 - Section 461-604-103—Connecting Blocks, 66E-Type
 - Section 461-604-105—Connecting Blocks, 66M3-50R and 66M4-50R
 - Section 463-121-115—115-Type Apparatus Boxes.
- 3.02** The 66A-type connecting blocks are manufacture discontinued (MD) and replaced by the 66B-type connecting blocks.
- 3.03** The 66B-type connecting blocks have six terminals in a row, may have either 6 or 50 horizontal rows assembled in various connector terminal configurations as shown in Fig. 1, 2, 3, and 4.
- 3.04** The 66B3-6 connecting blocks have six horizontal rows of two 3-clip terminals (Fig. 5). These connecting blocks will provide the point of connection between the operating telephone company (OTC) facilities and/or terminations and the other common carrier (OCC) facilities or equipment. The OTC provided facility will terminate on the left side of the block and the OCC portion will be terminated on the right side. The continuity between the two sides will be established via B or C bridging clips placed on the C and D connecting block terminals.
- 3.05** The 66B4-25C and 66B3-50C connecting blocks are factory wired so that the wiring sequence is in the proper order when the cable stub and plug are at the top (Table A).

NOTICE

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3.06 The 66B4-25C is furnished with a single 12-inch cable stub and plug, and the 66B3-50C has two 12-inch cable stubs and plugs.

3.07 The 66C-type connecting blocks have four terminals in a row and 32 horizontal rows, each row a solid 4-terminal connector (Fig. 6).

3.08 The 66M-type connecting blocks have four terminals in a row and 50 horizontal rows with two different connector terminal configurations (Fig. 7 and 8).

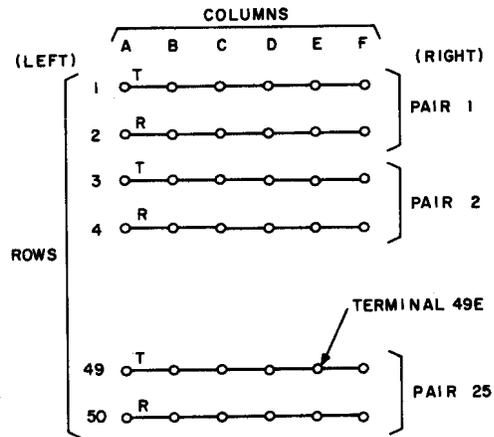
3.09 The 66MB1-50 connecting blocks have six terminals in a row with 50 horizontal rows arranged in a terminal configuration as shown in Fig. 9.

3.10 The 66E-type connecting blocks have fifty 2-terminal connectors (Fig. 10). The connectors are mounted vertically in ten horizontal rows making five horizontal rows of 2-terminal connectors or ten horizontal rows of terminals.

3.11 The 66E3-25 and 66E4-25 connecting blocks are factory wired to a receptacle as shown in Table B. The wiring sequence will be in proper order when the receptacle is on the right-hand side as the craft person faces the connecting block.

3.12 The 66E8-25 connecting block is wired to two cable stubs, one with a receptacle and one with a plug as shown in Table B. The wiring sequence will be in proper order when the cable and connectors are at the bottom.

3.13 The 66E9-25 connecting block is a special purpose connecting block using a 66E3-25 connecting block. Ten resistors, one capacitor, and one diode are factory wired as shown in Table C. This connecting block is used in the HORIZON® communication system to provide music-on-hold and paging with background music. For additional information for the 66E9-25 block, refer to Section 461-604-103 and 518-010-116.



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

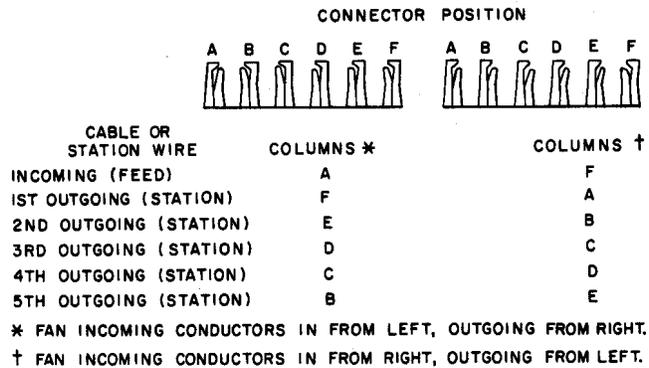
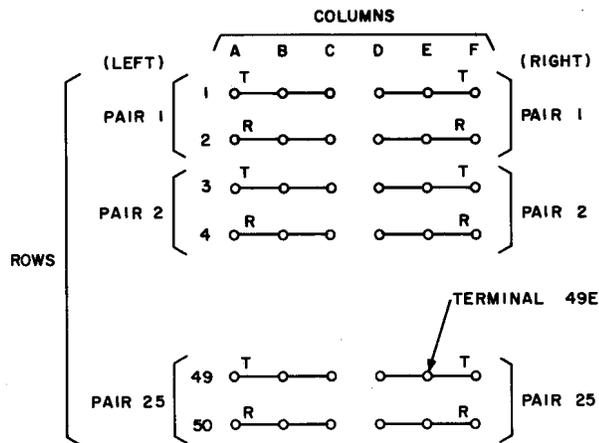
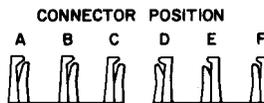


Fig. 1—Numbering and Wiring Plan for 66A1-25 (MD), 66A2-25 (MD), 66A2-50 (MD), 66B1-25 (MD), 66B4-25, and 66B4-25C Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

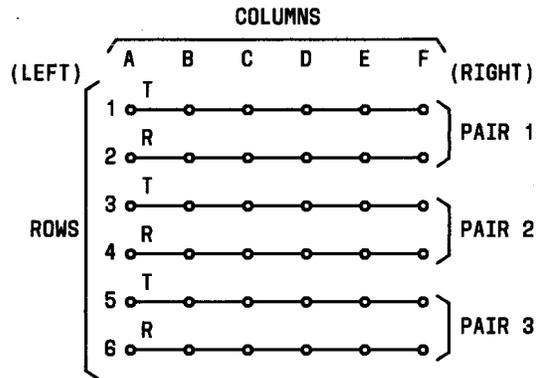


CABLE ON STATION WIRE	COLUMNS *	COLUMNS †
INCOMING (FEED)	A	F
1ST OUTGOING (STATION)	B	E
2ND OUTGOING (STATION)	C	D

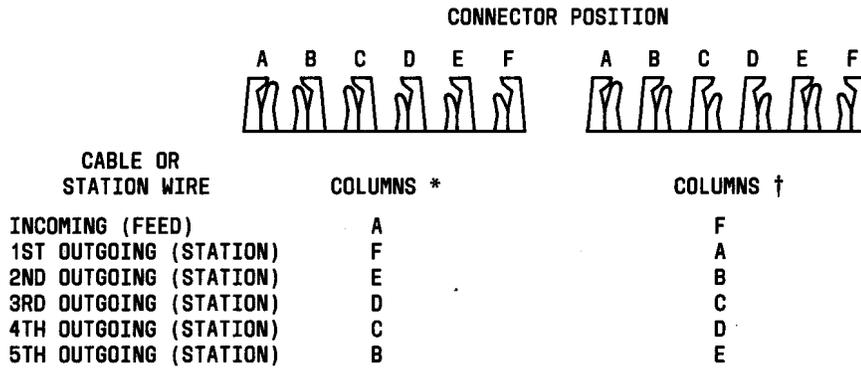
* FAN INCOMING AND OUTGOING CONDUCTORS IN FROM LEFT.

† FAN INCOMING AND OUTGOING CONDUCTORS IN FROM RIGHT.

Fig. 2—Numbering and Wiring Plan for 66B3-50 and 66B3-50C Connecting Blocks



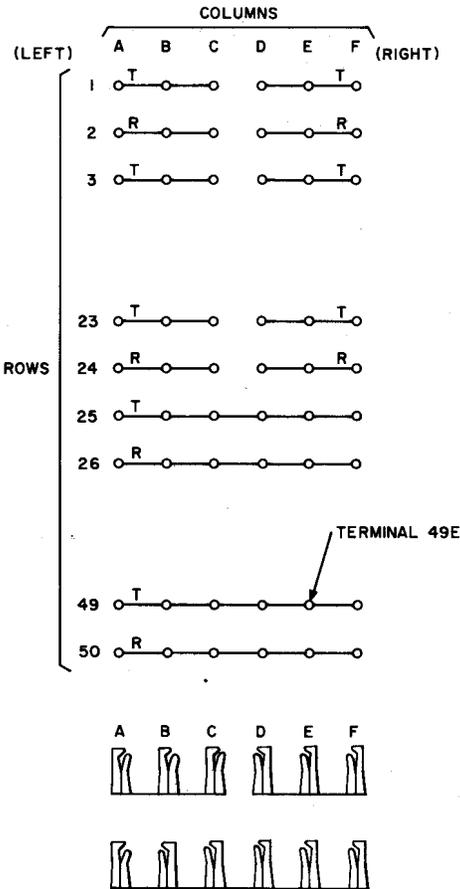
COLUMN ASSIGNMENT AND TERMINATING SEQUENCE



* FAN INCOMING CONDUCTORS IN FROM LEFT, OUTGOING FROM RIGHT.

† FAN INCOMING CONDUCTORS IN FROM RIGHT, OUTGOING FROM LEFT.

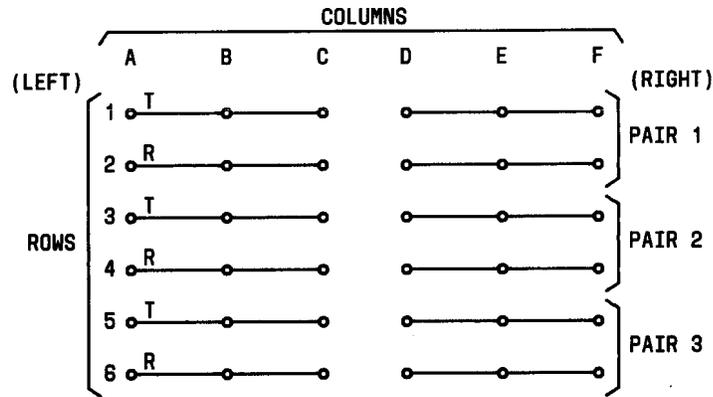
Fig. 3—Numbering and Wiring Plan for 66B4-3 and 66B6-3 Connecting Blocks



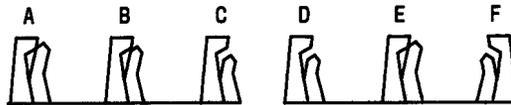
NOTE:

SEE FIG. 2 FOR WIRING PLAN FOR ROWS 1 THROUGH 24. FIG. 1 FOR ROWS 25 THROUGH 50.

Fig. 4—Numbering and Wiring Plan for 66B5-37 Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE



CKT	DESIG	COLUMN ASSIGNMENT	
		OTC*	OCC*
1	T	A1-B1-C1	D1-E1-F1
	R	A2-B2-C2	D2-E2-F2
2	T	A3-B3-C3	D3-E3-F3
	R	A4-B4-C4	D4-E4-F4
3	T	A5-B5-C5	D5-E5-F5
	R	A6-B6-C6	D6-E6-F6

NOTE: PROVIDE B OR C BRIDGING CLIPS BETWEEN C AND D CONNECTING BLOCK TERMINALS FOR CONTINUITY BETWEEN OTC AND OCC TERMINATIONS.

*OTC - OPERATING TELEPHONE COMPANY

*OCC - OTHER COMMON CARRIER

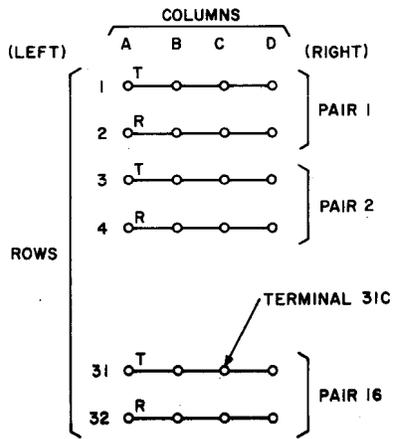
Fig. 5—Numbering and Wiring Plan for 66B3-6 Connecting Blocks

TABLE A
FACTORY WIRING 66B3-50C AND 66B4-25C CONNECTING BLOCKS

PLUG TERMINAL NUMBER	CONNECTING CABLE		CONNECTING BLOCK TERMINAL*		
	PAIR	COLOR	66B4-25C	66B3-50C	
				LEFT CABLE	RIGHT CABLE
26 1	1	W-BL BL-W	1A 2A	1A 2A	1F 2F
27 2	2	W-O O-W	3A 4A	3A 4A	3F 4F
28 3	3	W-G G-W	5A 6A	5A 6A	5F 6F
29 4	4	W-BR BR-W	7A 8A	7A 8A	7F 8F
30 5	5	W-S S-W	9A 10A	9A 10A	9F 10F
31 6	6	R-BL BL-R	11A 12A	11A 12A	11F 12F
32 7	7	R-O O-R	13A 14A	13A 14A	13F 14F
33 8	8	R-G G-R	15A 16A	15A 16A	15F 16F
34 9	9	R-BR BR-R	17A 18A	17A 18A	17F 18F
35 10	10	R-S S-R	19A 20A	19A 20A	19F 20F
36 11	11	BK-BL BL-BK	21A 22A	21A 22A	21F 22F
37 12	12	BK-O O-BK	23A 24A	23A 24A	23F 24F
38 13	13	BK-G G-BK	25A 26A	25A 26A	25F 26F
39 14	14	BK-BR BR-BK	27A 28A	27A 28A	27F 28F
40 15	15	BK-S S-BK	29A 30A	29A 30A	29F 30F
41 16	16	Y-BL BL-Y	31A 32A	31A 32A	31F 32F
42 17	17	Y-O O-Y	33A 34A	33A 34A	33F 34F
43 18	18	Y-G G-Y	35A 36A	35A 36A	35F 36F
44 19	19	Y-BR BR-Y	37A 38A	37A 38A	37F 38F
45 20	20	Y-S S-Y	39A 40A	39A 40A	39F 40F
46 21	21	V-BL BL-V	41A 42A	41A 42A	41F 42F
47 22	22	V-O O-V	43A 44A	43A 44A	43F 44F
48 23	23	V-G G-V	45A 46A	45A 46A	45F 46F
49 24	24	V-BR BR-V	47A 48A	47A 48A	47F 48F
50 25	25	V-S S-V	49A 50A	49A 50A	49F 50F

* Connecting blocks are intended to mount with the cable stub and plug at the top.

SECTION 461-604-101



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

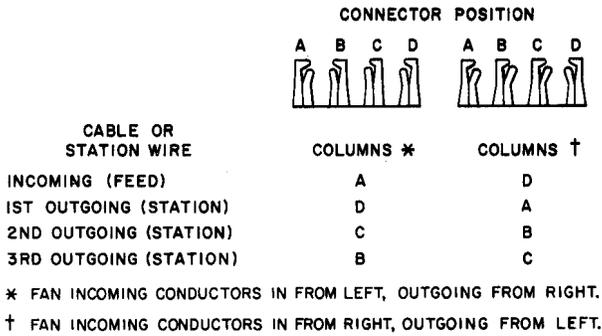
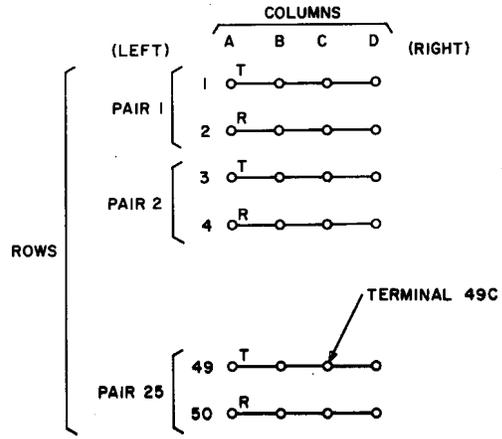


Fig. 6—Numbering and Wiring Plan for 66C1-16, 66C2-16, and 66C2-32 Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

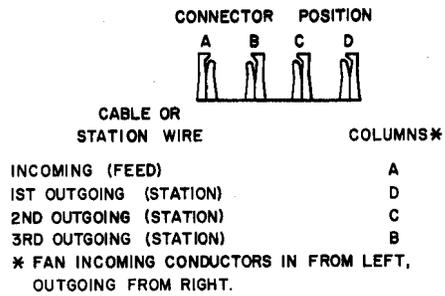
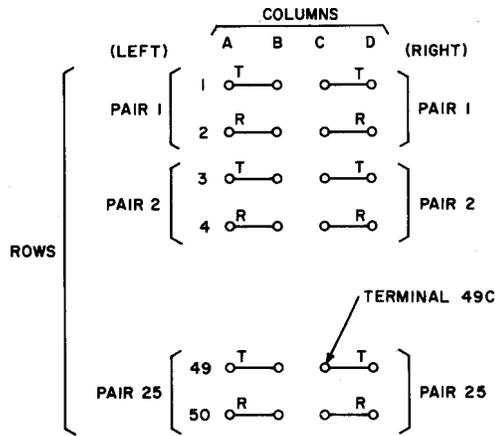
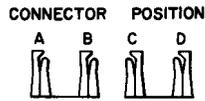


Fig. 7—Numbering and Wiring Plan for 66M1-25 Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

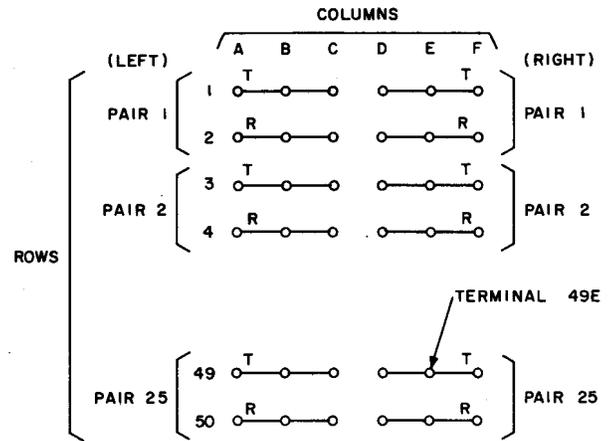


CABLE OR STATION WIRE	COLUMNS *	COLUMNS †
INCOMING (FEED)	A	D
OUTGOING (STATION)	B	C

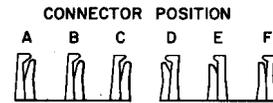
* FAN INCOMING AND OUTGOING CONDUCTORS IN FROM LEFT.

† FAN INCOMING AND OUTGOING CONDUCTORS IN FROM RIGHT.

Fig. 8—Numbering and Wiring Plan for 66M1-50 Connecting Blocks



COLUMN ASSIGNMENT AND TERMINATING SEQUENCE

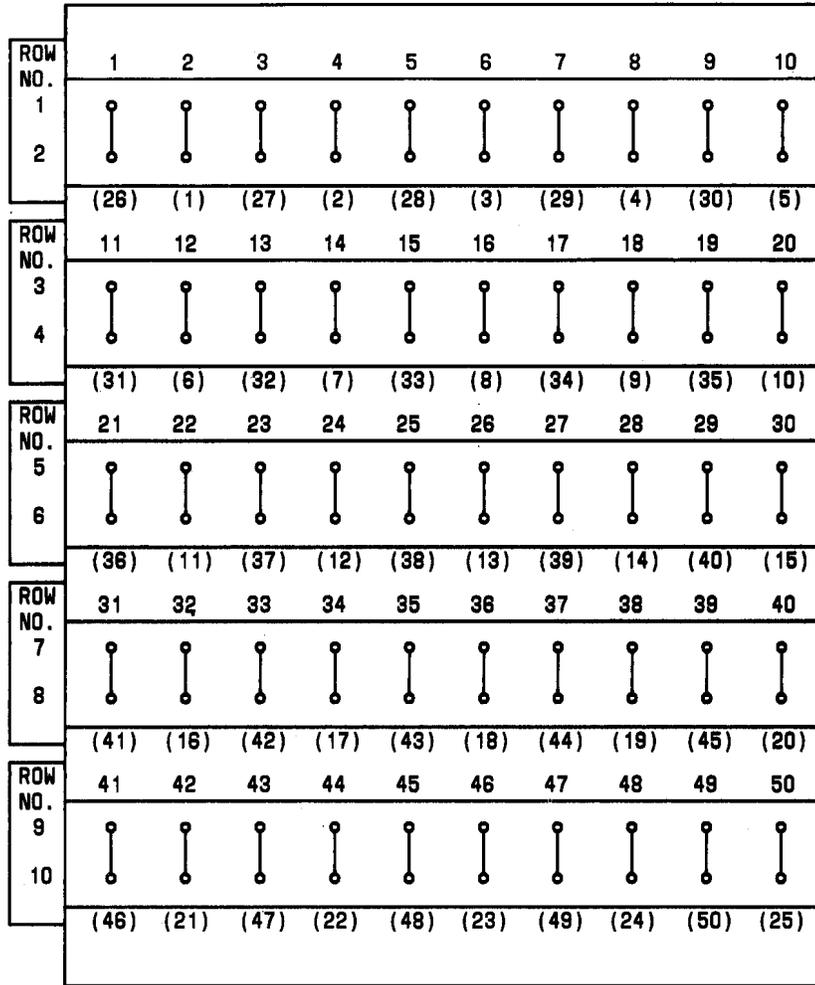


CABLE ON STATION WIRE	COLUMNS *	COLUMNS †
INCOMING (FEED)	A	F
1ST OUTGOING (STATION)	B	E
2ND OUTGOING (STATION)	C	D

* FAN INCOMING AND OUTGOING CONDUCTORS IN FROM LEFT.

† FAN INCOMING AND OUTGOING CONDUCTORS IN FROM RIGHT.

Fig. 9—Numbering and Wiring Plan for 66MB1-50 Connecting Blocks



NOTE:
 NUMBERS IN PARENTHESIS INDICATE INTERNAL CONNECTIONS TO
 PINS OF RECEPTACLE OR PLUG

Fig. 10—Numbering and Wiring Plan for 66E-Type Connecting Blocks

TABLE B

FACTORY INTERNAL WIRING
66E-TYPE
CONNECTING BLOCKS

RECEPTACLE OR PLUG TERMINAL NUMBER	CONNECTING CABLE		CONNECTOR TERMINAL
	PAIR	COLOR	
26 1	1	W-BL BL-W	1 2
27 2	2	W-O O-W	3 4
28 3	3	W-G G-W	5 6
29 4	4	W-BR BR-W	7 8
30 5	5	W-S S-W	9 10
31 6	6	R-BL BL-R	11 12
32 7	7	R-O O-R	13 14
33 8	8	R-G G-R	15 16
34 9	9	R-BR BR-R	17 18
35 10	10	R-S S-R	19 20
36 11	11	BK-BL BL-BK	21 22
37 12	12	BK-O O-BK	23 24
38 13	13	BK-G G-BK	25 26
39 14	14	BK-BR BR-BK	27 28
40 15	15	BK-S S-BK	29 30
41 16	16	Y-BL BL-Y	31 32
42 17	17	Y-O O-Y	33 34
43 18	18	Y-G G-Y	35 36
44 19	19	Y-BR BR-Y	37 38
45 20	20	Y-S S-Y	39 40
46 21	21	V-BL BL-V	41 42
47 22	22	V-O O-V	43 44
48 23	23	V-G G-V	45 46
49 24	24	V-BR BR-V	47 48
50 25	25	V-S S-V	49 50

TABLE C

FACTORY EXTERNAL WIRING
66E9-25
CONNECTING BLOCKS

ITEM	BETWEEN TERMINALS		ROW
R1	5	7	2
R2	1	3	1
R3	11	13	4
R4	15	17	4
R5	21	23	6
R6	25	27	6
R7	31	33	8
R8	35	37	8
R9	41	43	10
R10	45	47	10
Capacitor	1	10	2
Diode	6	9	1