

TELEPHONE SETS—1565HK

CONNECTIONS

1. GENERAL

1.01 This section contains connection information on the 1565HK telephone set when used with 1A, 1A1, 1A2, or 6A key telephone systems.

1.02 This section is reissued to show new switch-hook lead colors.

1.03 The 1565HK telephone set is the TOUCH-TONE version of the 565HK rotary dial telephone set.

1.04 A 3A speakerphone system can be used with the 1565HK telephone set. If speakerphone control unit is located near the telephone set, the mounting cord conductors can be extended to the control unit by using a 148A or 149A adapter. If control unit is located at the key equipment, extend leads through an A25B connector cable.

1.05 Cord tip insulators on the 148A adapter must be removed to terminate conductors.



Do not pull insulators off with long-nose pliers. Cut insulators off with electrician scissors or diagonal pliers to prevent breaking conductors or stripping off cord tips.

2. OPTIONAL EQUIPMENT

2.01 A P-25E962 auxiliary terminal strip is available for auxiliary services such as buzzers, lamps, etc. It must be ordered separately. See appropriate section for installation of terminal strip.

2.02 A D-179935 kit of parts can be installed in the 1565HK set when the exclusion feature is required. It must be ordered separately. For installation information, see appropriate installation section.

2.03 The hold key position can be illuminated, but lamp is not furnished with set.

2.04 The 1565HK telephone set is factory wired for use with 1A1 or 1A2 key telephone systems. For 1A key telephone systems make internal wiring changes as shown in Table A and Fig. 2.

2.05 The red and black ringer leads are factory wired to terminals RR and RT. The ringer can be connected with several options.

3. CONNECTION FIGURES INDEX

Fig. 1 — 1565HK Telephone Set, Connections

Fig. 2 — Set Wired for 1A Key Telephone System

Fig. 3 — Buzzer Connections

Fig. 4 — Typical 66E-Type Connecting Block

Table A — 1A, 1A1, and 1A2 Conversion

Table B — Pickup-Signal Key Conversion

Table C — Ringer or Buzzer Connections

Table D — Ringer or Buzzer Cutoff by Exclusion Key

Table E — Connections for Line Exclusion Key

Table F — Procedure for Disconnecting Speakerphone Features

Table G — Conductor Assignments Using 66E-Type Connecting Block

Table H — Connector Cable and Cord Conductor Assignments

TABLE A
1A, 1A1, AND 1A2 CONVERSION

Key Tel Sys	Station Busy Lamp Circuit	Leads					KS-15724, L1 Diode
		Switch			Hold Key		
		S-W	S-G	S-Y	Y	O-BK	
1A	Without	1B	1B	N	9	M	
1A1 1A2		1B	N	9	M	N	
1A	With	SG	1	N	9	M	
1A1 1A2		1B	1	9	M	N	1 to N

TABLE B
PICKUP-SIGNAL KEY CONVERSION

Key Tel Set	Convertible Key Options	Key Leads			
		BR	Y-BR	S-R	BR-BK
1565HK	HPPPPP	M	M	M	X
	HPPPPS	M	M	M	SG
	HPPPSS	M	M	SG	X
	HPPSSS	X	M	SG	X
	HPPP*P*S*	X	M	5H	SG
	HPP*P*P*S*	X	X	5H	SG

Note: For signal key conversion, see Notes 6 and 7, Fig. 1.

* See Note 3, Fig. 1.

TABLE C — RINGER OR BUZZER CONNECTIONS

Option		Leads					
		Ringer				Buzzer	
		R	BK	S	S-R	R	BK
Bridged Ringer on Any Line		R*	T*	K	A		
Common or Private Line Ringer or Buzzer (see Note 2)	With Capacitor	RR†	RT	K	A		
	Without Capacitor	RR†	RT	A	A	RR	RT
Ringer Permanently Silenced		A	K	K	A		

* Terminal of line involved.

† RR terminal on terminal strip.

TABLE D

RINGER OR BUZZER CUTOFF BY EXCLUSION KEY

Cutoff		Leads									
		Ringer				Buzzer		Exclusion Key			
		R	BK	S	S-R	R	BK	BL-W	W-BL	O-W	W-O
Bridged Ringer on Any Line		ER	ET	K	A			R*	T*	EB	EH
Common or Private Line Ringer or Buzzer	With Capacitor	ER	ET	K	A			RR†	RT	EB	EH
	Without Capacitor	ER	ET	A	A	ER	ET	RR†	RT	EB	EH

* Terminal of line involved.

† RR terminal on terminal strip.

TABLE E

CONNECTIONS FOR LINE EXCLUSION KEY

Exclusion	Key Tel Sys	Exclusion Key Leads							
		BL-W	W-BL	O-W	W-O	V-BL	BL-V	V-O	O-V
On Any Line	1A	R*	T*	1B†	H*	ET	ER	EH	EB
	1A1 or 1A2	R*	T*	EB	H*	ET	ER	EH	EB

* Terminal of line involved.

† See Note 4, Fig. 1.

TABLE F

PROCEDURE FOR DISCONNECTING SPEAKERPHONE FEATURES
(NOTE 8, FIG. 1)

Lead Desig	Cord Color	Remove From	
	Speakerphone	Network	Terminal Strip
T1	V-G	G	
R1	G-V		9
IT	V-BR		8
IR	BR-V		7
AG	V-S		N
LK	S-V	L1	

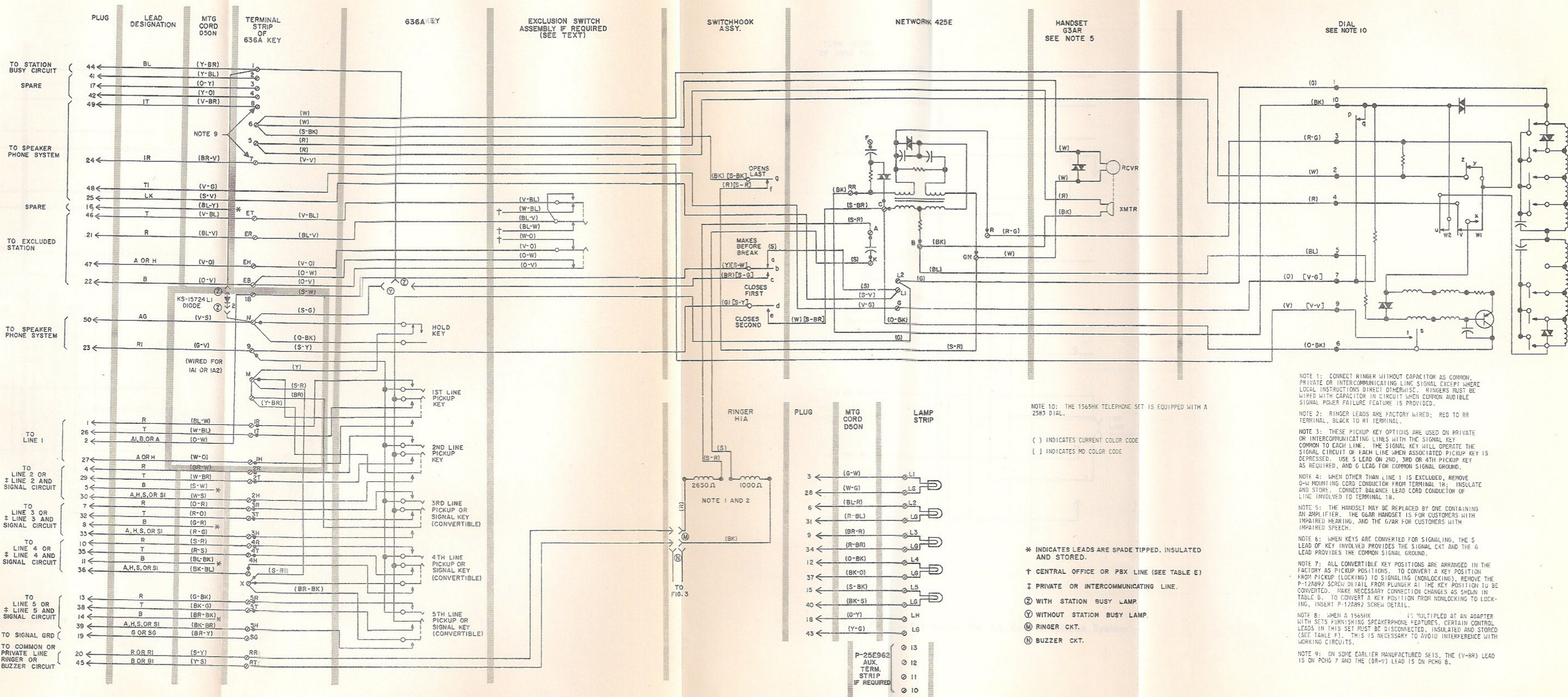


Fig. 1 - 1565HK Telephone Set, Connections

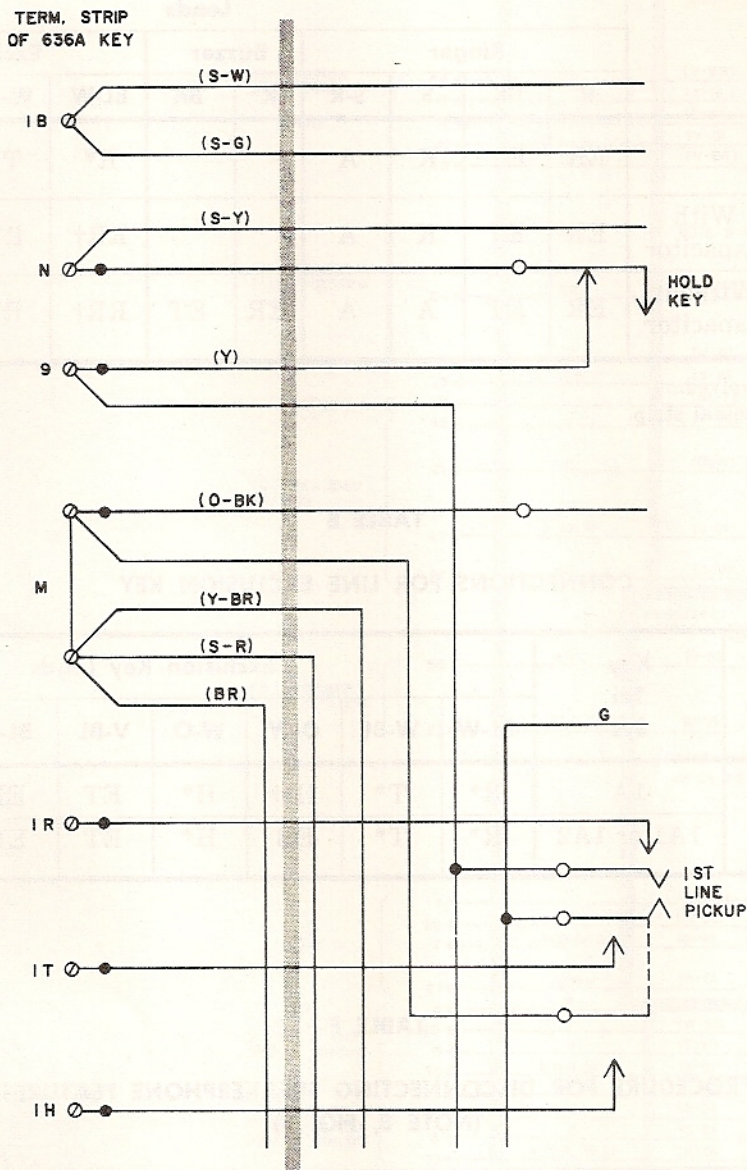


Fig. 2 — Set Wired for 1A Key Telephone System

TABLE G

CONDUCTOR ASSIGNMENTS USING 66E-TYPE CONNECTING BLOCK

66E-Type Connecting Block						Mounting Cord	
Connector Cable Pair No.	Block No.	Clip Terminal No.	Conductor Color	Pin No.	Lead Desig	Cord Conductor	Tel Set Terminal
1	1	1	W-BL	26	T	W-BL	1T
		2	BL-W	1	R	BL-W	1R
2		3	W-O	27	A or H	W-O	1H
		4	O-W	2	A1, B, or A	O-W	1B
3		5	W-G	28	LG	W-G	LG
		6	G-W	3	L1	G-W	L1
4		7	W-BR	29	T	W-BR	2T
		8	BR-W	4	R	BR-W	2R
5		9	W-S	30	A, H, S, or S1	W-S	2H
		10	S-W	5	B	S-W	*
6	2	11	R-BL	31	LG	R-BL	LG
		12	BL-R	6	L2	BL-R	L2
7		13	R-O	32	T	R-O	3T
		14	O-R	7	R	O-R	3R
8		15	R-G	33	A, H, S, or S1	R-G	3H
		16	G-R	8	B	G-R	*
9		17	R-BR	34	LG	R-BR	LG
		18	BR-R	9	L3	BR-R	L3
10		19	R-S	35	T	R-S	4T
		20	S-R	10	R	S-R	4R
11	3	21	BK-BL	36	A, H, S, or S1	BK-BL	4H
		22	BL-BK	11	B	BL-BK	*
12		23	BK-O	37	LG	BK-O	LG
		24	O-BK	12	L4	O-BK	L4
13		25	BK-G	38	T	BK-G	5T
		26	G-BK	13	R	G-BK	5R
14		27	BK-BR	39	A, H, S, or S1	BK-BR	5H
		28	BR-BK	14	B	BR-BK	*
15		29	BK-S	40	LG	BK-S	LG
		30	S-BK	15	L5	S-BK	L5
16	4	31	Y-BL	41	Spare	Y-BL	2
		32	BL-Y	16	Spare	BL-Y	*
17		33	Y-O	42	Spare	Y-O	4
		34	O-Y	17	Spare	O-Y	3
18		35	Y-G	43	HG	Y-G	HG
		36	G-Y	18	HL	G-Y	HL
19		37	Y-BR	44	BL	Y-BR	1
		38	BR-Y	19	G or SG	BR-Y	SG
20		39	Y-S	45	B or B1	Y-S	RT
		40	S-Y	20	R or R1	S-Y	RR
21	5	41	V-BL	46	T	V-BL	ET
		42	BL-V	21	R	BL-V	ER
22		43	V-O	47	A or H	V-O	EH
		44	O-V	22	B	O-V	EB
23		45	V-G	48	T1 †	V-G	G on Net.
		46	G-V	23	R1 †	G-V	9
24		47	V-BR	49	IT †	V-BR	8
		48	BR-V	24	IR †	BR-V	7
25		49	V-S	50	AG †	V-S	N
		50	S-V	25	LK †	S-V	L1 on Net.

* Spade tipped, insulated, and stored.

† Speakerphone leads.

TABLE H

CONNECTOR CABLE AND CORD CONDUCTOR ASSIGNMENTS

A25B Connector Cable				Mounting Cord	
Pair No.	Conductor Color	Pin No.	Lead Desig	Conductor Color	Tel Set Terminal
1	W-BL	26	T	W-BL	1T
	BL-W	1	R	BL-W	1R
2	W-O	27	A or H	W-O	1H
	O-W	2	A1, B, or A	O-W	1B
3	W-G	28	LG	W-G	LG
	G-W	3	L1	G-W	L1
4	W-BR	29	T	W-BR	2T
	BR-W	4	R	BR-W	2R
5	W-S	30	A, H, S, or S1	W-S	2H
	S-W	5	B	S-W	*
6	R-BL	31	LG	R-BL	LG
	BL-R	6	L2	BL-R	L2
7	R-O	32	T	R-O	3T
	O-R	7	R	O-R	3R
8	R-G	33	A, H, S, or S1	R-G	3H
	G-R	8	B	G-R	*
9	R-BR	34	LG	R-BR	LG
	BR-R	9	L3	BR-R	L3
10	R-S	35	T	R-S	4T
	S-R	10	R	S-R	4R
11	BK-BL	36	A, H, S, or S1	BK-BL	4H
	BL-BK	11	B	BL-BK	*
12	BK-O	37	LG	BK-O	LG
	O-BK	12	L4	O-BK	L4
13	BK-G	38	T	BK-G	5T
	G-BK	13	R	G-BK	5R
14	BK-BR	39	A, H, S, or S1	BK-BR	5H
	BR-BK	14	B	BR-BK	*
15	BK-S	40	LG	BK-S	LG
	S-BK	15	L5	S-BK	L5
16	Y-BL	41	Spare	Y-BL	2
	BL-Y	16	Spare	BL-Y	*
17	Y-O	42	Spare	Y-O	4
	O-Y	17	Spare	O-Y	3
18	Y-G	43	HG	Y-G	HG
	G-Y	18	HL	G-Y	HL
19	Y-BR	44	BL	Y-BR	1
	BR-Y	19	G or SG	BR-Y	SG
20	Y-S	45	B or B1	Y-S	RT
	S-Y	20	R or R1	S-Y	RR
21	V-BL	46	T	V-BL	ET
	BL-V	21	R	BL-V	ER
22	V-O	47	A or H	V-O	EH
	O-V	22	B	O-V	EB
23	V-G	48	T1 †	V-G	G on Net.
	G-V	23	R1 †	G-V	9
24	V-BR	49	IT †	V-BR	8
	BR-V	24	IR †	BR-V	7
25	V-S	50	AG †	V-S	N
	S-V	25	LK †	S-V	L1 on Net.

* Leads are spade tipped, insulated, and stored.

† Speakerphone leads.

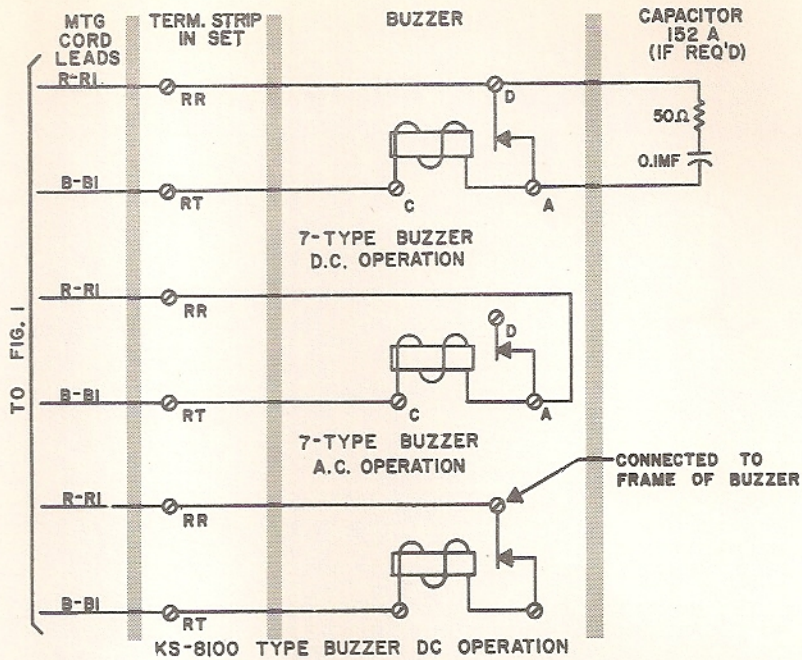


Fig. 3 - Buzzer Connections

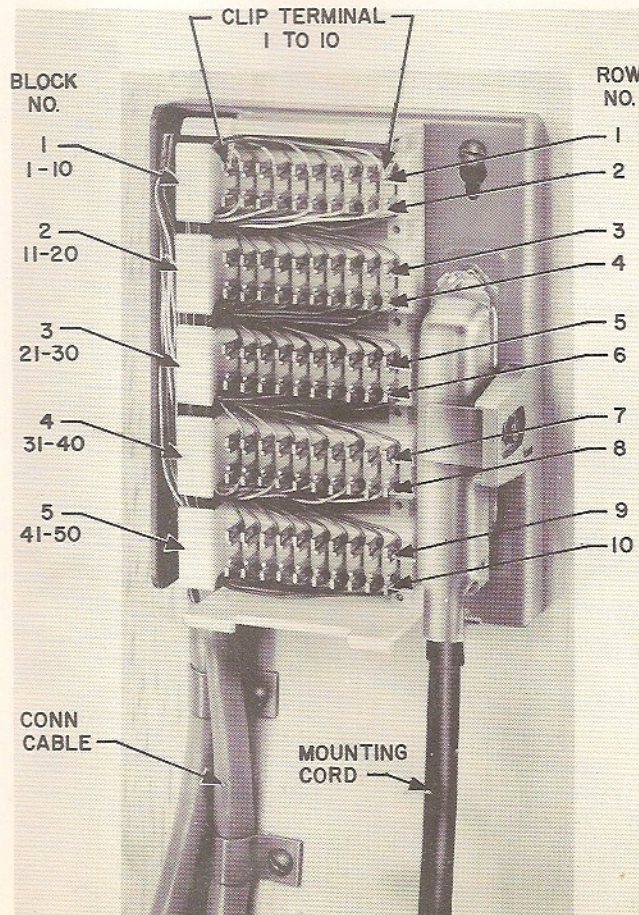


Fig. 4 - Typical 66E-Type Connecting Block