

SHEET INDEX

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DWG ISSUE	CD ISSUE	DATE ISSUED	DRAWN	APPRO
1	1	6-25-70	AST HGW	FD JLS GM
2D	2D	9-14-78	CDI OL	FMG OFG JS

OPTION INDEX

APP OR WRG	RATED ON ISSUE	REF NOTES	LOCATION
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N	STD 2		5E0, 5E1

SHEET INDEX NOTES

1. WHEN CHANGES ARE MADE IN THIS DRAWING, ONLY THOSE SHEETS AFFECTED WILL BE REISSUED.
2. THIS SHEET INDEX WILL BE REISSUED AND BROUGHT UP TO DATE EACH TIME ANY SHEET OF THE DRAWING IS REISSUED, OR A NEW SHEET IS ADDED.
3. THE ISSUE NUMBER ASSIGNED TO A CHANGED OR NEW SHEET WILL BE THE SAME ISSUE NUMBER AS THAT OF THE SHEET INDEX.
4. SHEETS THAT ARE NOT CHANGED WILL RETAIN THEIR EXISTING ISSUE NUMBER.
5. THE LAST ISSUE NUMBER OF THE SHEET INDEX IS RECOGNIZED AS THE LATEST ISSUE NUMBER OF THE DRAWING AS A WHOLE.

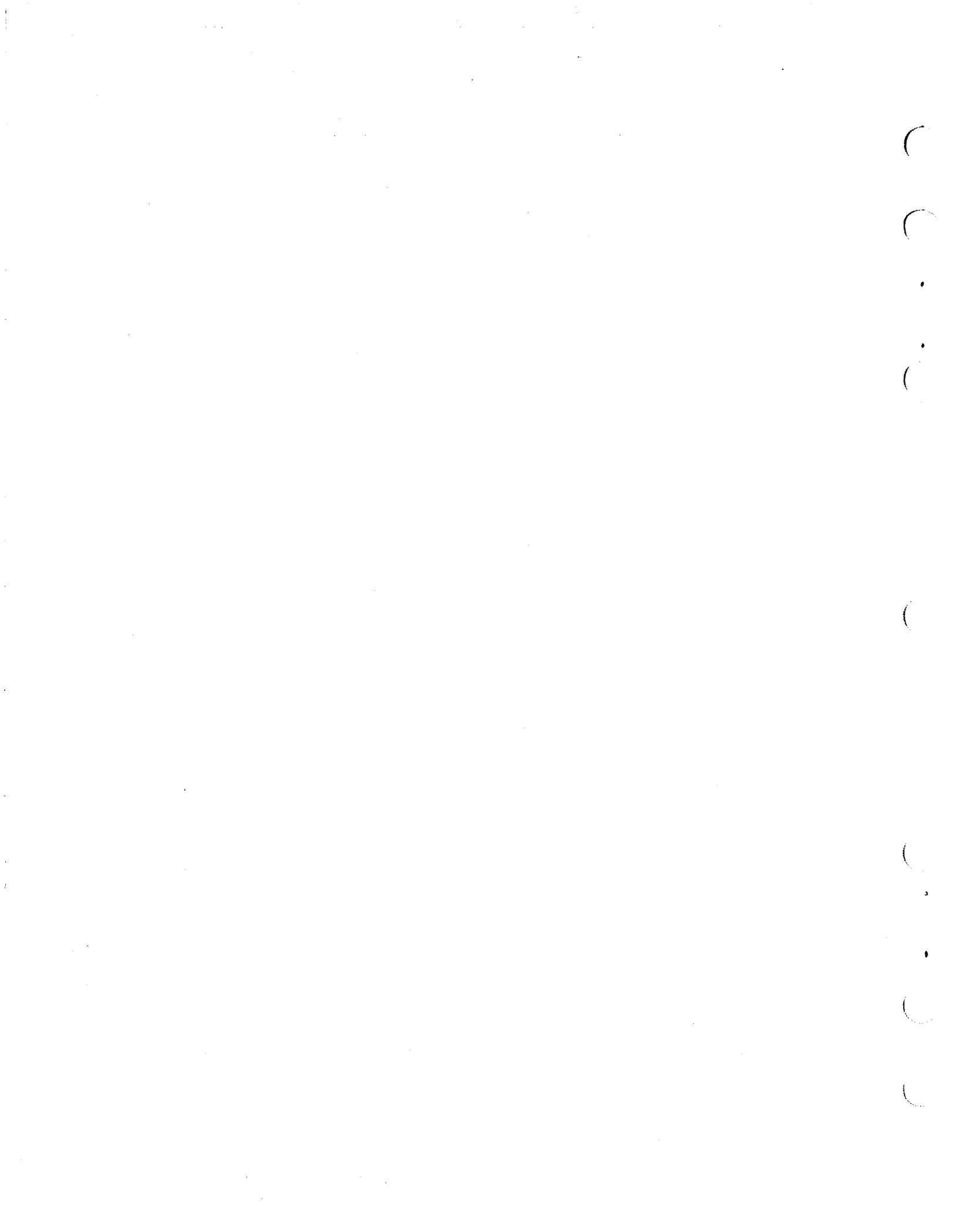
SUPPORTING INFORMATION

CATEGORY	NO.

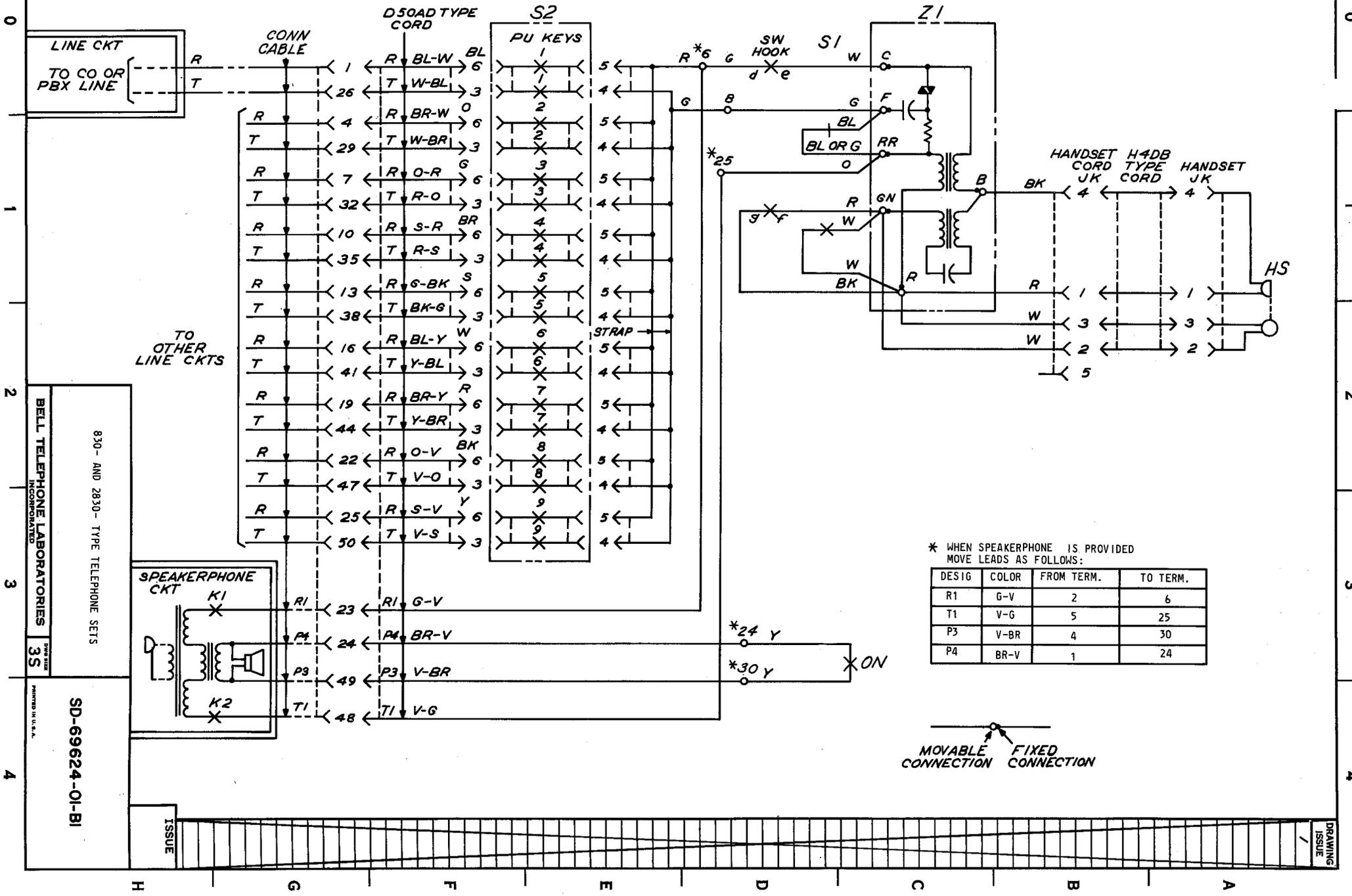
NOTICE
NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

ISSUE

SD-69624-01	1K03
STATION SYSTEMS KEY AND TELEPHONE CIRCUIT FOR ROTARY AND TOUCH-TONE DIAL 10-BUTTON TELEPHONE SETS 830- AND 2830- TYPE TELEPHONE SETS	AT&T CO. STANDARD
SD-69624-01-A1 10 SHEETS	
BELL TELEPHONE LABORATORIES INCORPORATED	DWS REC 3S PRINTED IN U.S.A.



FS 1 (MFR DISC)
TRANSMISSION PATH
(830 AIM TEL SET)



* WHEN SPEAKERPHONE IS PROVIDED
MOVE LEADS AS FOLLOWS:

DESIG	COLOR	FROM TERM.	TO TERM.
R1	G-V	2	6
T1	V-G	5	25
P3	V-BR	4	30
P4	BR-V	1	24

MOVABLE CONNECTION
FIXED CONNECTION

BELL TELEPHONE LABORATORIES
INCORPORATED
830- AND 2830- TYPE TELEPHONE SETS
DRAWN BY 3S
PRINTED IN U.S.A.
SD-69624-01-B1

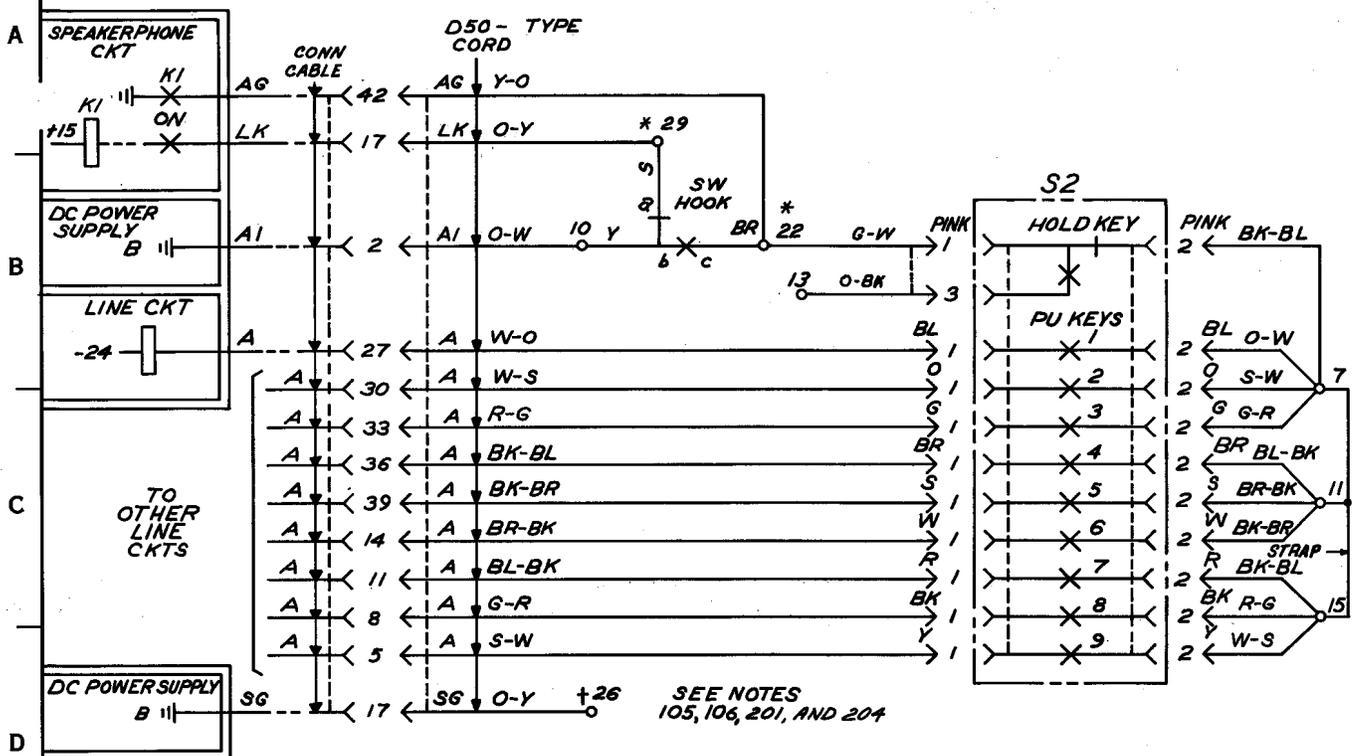
ISSUE

DRAWING
ISSUE

FS3

"A" LEAD AND SIGNALING CONTROL

DRAWING ISSUE
1



* WHEN SPEAKERPHONE IS PROVIDED MOVE LEADS AS FOLLOWS:

DESIG	COLOR	FROM TERM.	TO TERM.
AG	Y-0	(X) 15, (Y) 14	22
LK	O-Y	(X) 6, (Y) 12	29

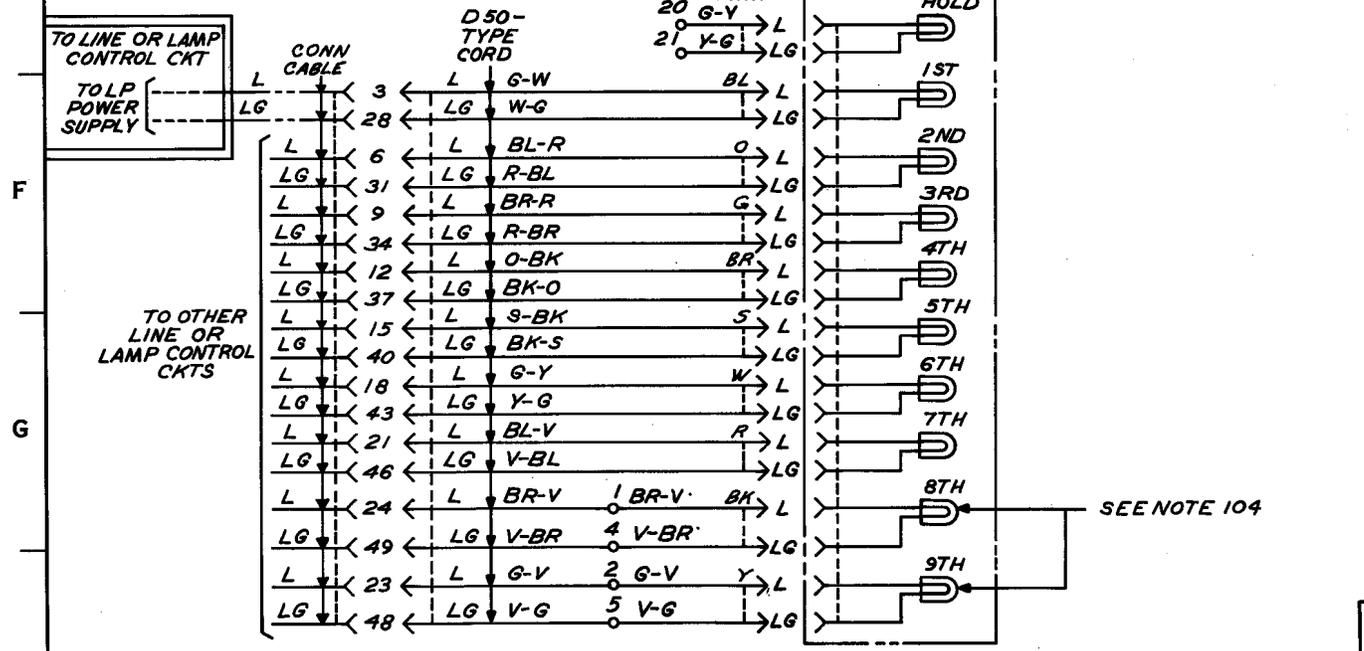
† WHEN SIGNALING IS PROVIDED MOVE LEAD AS FOLLOWS:

DESIG	COLOR	FROM TERM.	TO TERM.
SG	O-Y	(X) 6, (Y) 12	26

SEE NOTES 105, 106, 201, AND 204

FS4

LAMP CKT

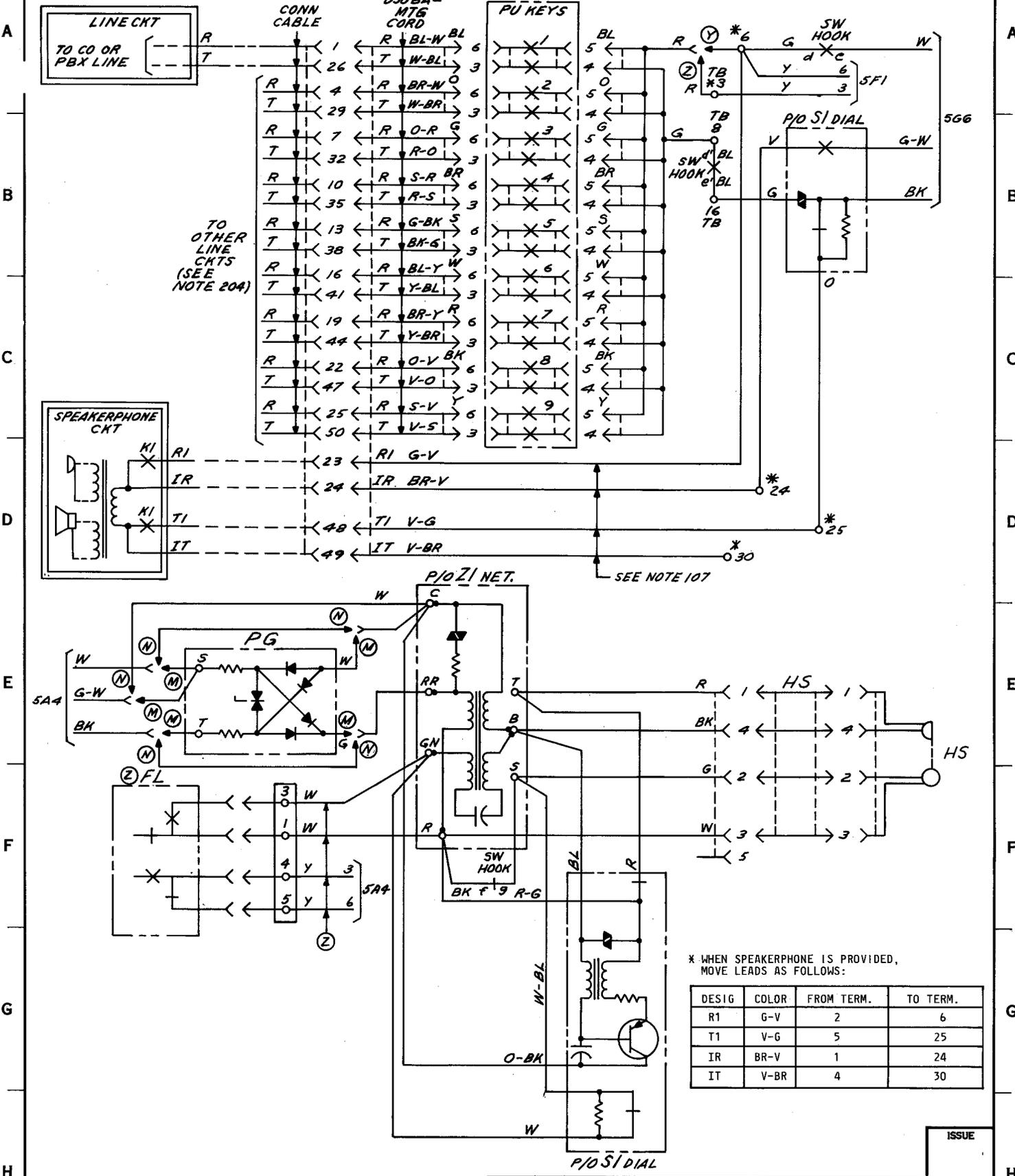


SEE NOTE 104

830- AND 2830- TYPE TELEPHONE SETS	SD-69624-01-B3
BELL TELEPHONE LABORATORIES INCORPORATED	DWS:RZ 3S PRINTED IN U.S.A.

FS8

TRANSMISSION PATH-TOUCHTONE DIAL SET
(2830CM AND 2830DM - TEL SETS)
SEE NOTES 104, 106 & 204



TO OTHER LINE CKTS (SEE NOTE 204)

SEE NOTE 107

* WHEN SPEAKERPHONE IS PROVIDED, MOVE LEADS AS FOLLOWS:

DESIG	COLOR	FROM TERM.	TO TERM.
R1	G-V	2	6
T1	V-G	5	25
IR	BR-V	1	24
IT	V-BR	4	30



830- AND 2830- TYPE TELEPHONE SETS

BELL TELEPHONE LABORATORIES INCORPORATED

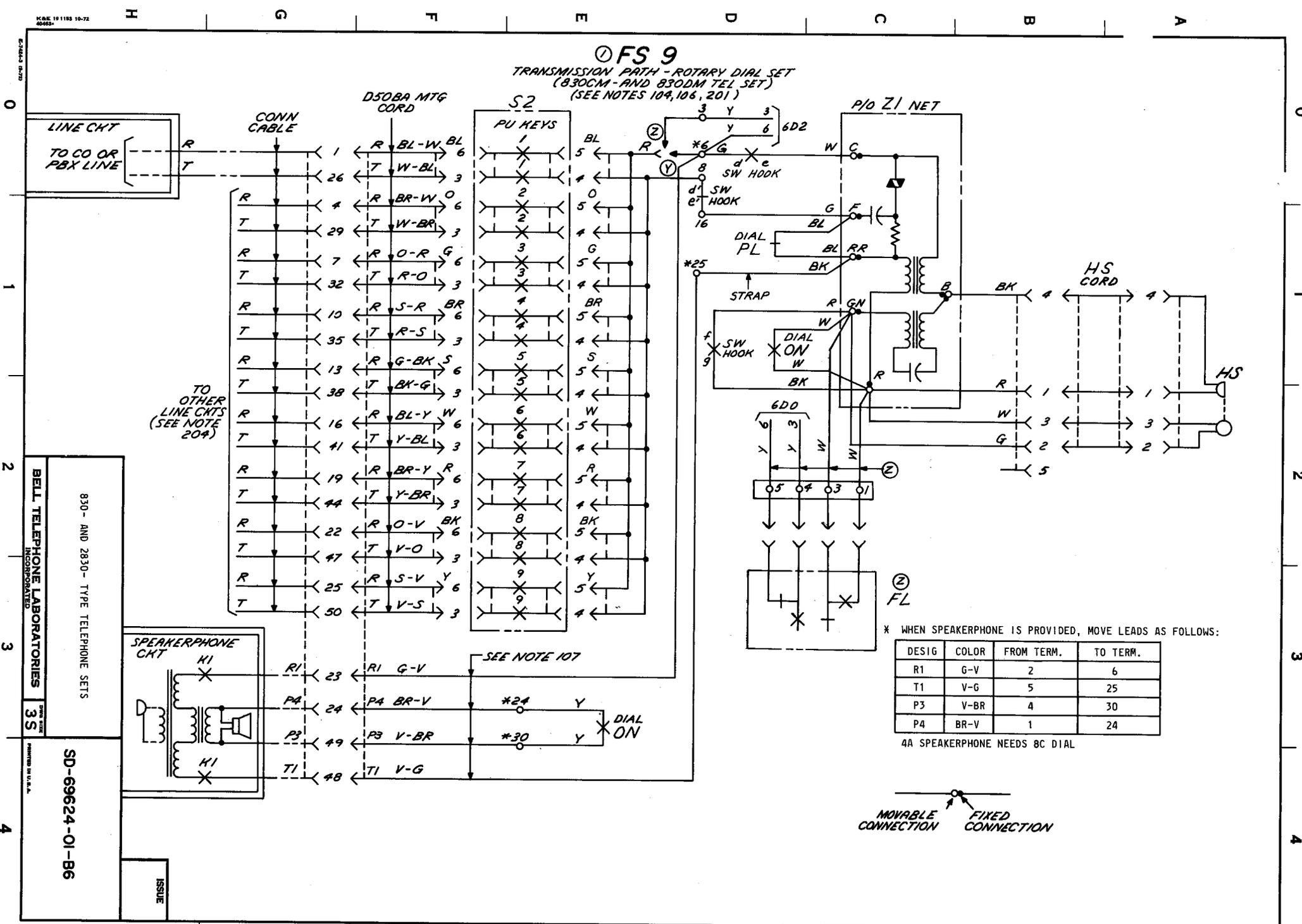
SD-69624-01-B5

ISSUE

PRINTED IN U.S.A.

FORM 10113 10-72

FS 9
TRANSMISSION PATH - ROTARY DIAL SET
 (830CM - AND 830DM TEL SET)
 (SEE NOTES 104, 106, 201)



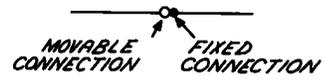
TO OTHER
 LINE CKTS
 (SEE NOTE
 204)

SEE NOTE 107

* WHEN SPEAKERPHONE IS PROVIDED, MOVE LEADS AS FOLLOWS:

DESIG	COLOR	FROM TERM.	TO TERM.
R1	G-V	2	6
T1	V-G	5	25
P3	V-BR	4	30
P4	BR-V	1	24

4A SPEAKERPHONE NEEDS BC DIAL



BELL TELEPHONE LABORATORIES
 830- AND 2830- TYPE TELEPHONE SETS
 3S

SD-69624-01-B6

ISSUE

CORD

- (X) D50AD
- (Y,Z) D50BA

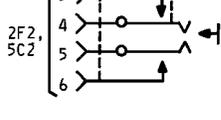
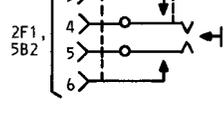
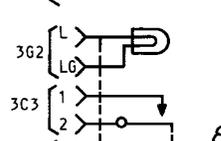
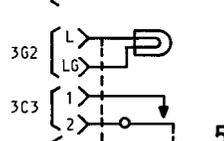
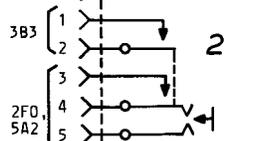
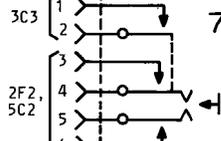
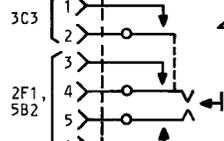
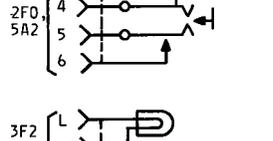
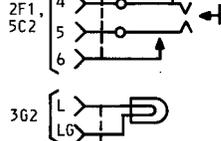
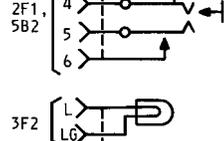
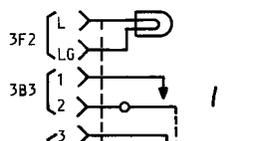
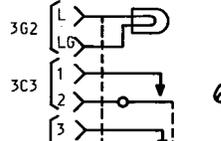
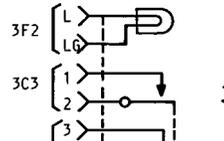
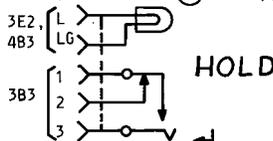
APP FIG. 2

CONDUCTOR			CONDUCTOR			CONDUCTOR		
PIN	WIRE COLOR	LOC	PIN	WIRE COLOR	LOC	PIN	WIRE COLOR	LOC
1	BL-W	2G0,5A1	34	R-BR	3F1	18	G-Y	3G1
26	W-BL	2G0,5A1	10	S-R	2G1,5B1	43	Y-G	3G1
2	O-W	3B1,4A1	35	R-S	2G1,5B1	19	BR-Y	2G2,5C1
27	W-O	3B1	11	BL-BK	3C1	44	Y-BR	2G2,5C1
3	G-W	3F1	36	BK-BL	3C1	20	S-Y	4D1
28	W-G	3F1	12	O-BK	3F1	45	Y-S	4D1
4	BR-W	2G1,5A1	37	BK-O	3F1	21	BL-V	3G1
29	W-BR	2G1,5A1	13	G-BK	2G1,5B1	46	V-BL	3G1
5	S-W	3D1	38	BK-G	2G1,5B1	22	O-V	2G2,5C1
30	W-S	3B1	14	BR-BK	3C1	47	V-O	2G2,5C1
6	BL-R	3F1	39	BK-BR	3C1	23	G-V	2G3,3H1,5D1
31	R-BL	3F1	15	S-BK	3G1	48	V-G	2G3,3H1,5D1
7	O-R	2G1,5B1	40	BK-S	3G1	24	BR-V	2G3,3G1,5D1
32	R-O	2G1,5B1	16	BL-Y	2G1,5C1	49	V-BR	2G3,3G1,5D1
8	G-R	3C1	41	Y-BL	2G1,5C1	25	S-V	2G2,5C1
33	R-G	3C1	17	O-Y	3A1,3D1,4F1	50	V-S	2G2,5C1
9	BR-R	3F1	42	Y-O	3A1,4B1,4F1			

KEY

DESIG
S2

(X) CODE 647A5, (Y,Z) 647AJ5



BUZZER

DESIG	LOC	CODE
(X) BZ	4F2	KS-8109 L2
(Y,Z) BZ	4F2	KS-20419 L1

CORD

DESIG	LOC	CODE
(X) -	2A1	H4DB
(Y,Z) HS	5E3	H4DU

DIAL

DESIG	LOC	CODE
(X) S1	2B3, 2D0	35C3A
(Y,Z) S1	5B4, 5H3	35AF3A

HANDSET

DESIG	LOC	CODE
(X) HS	2A1	G12A
(Y,Z) HS	5E4	G15A

KEY

DESIG	LOC	CODE
(Z) FL	5F0	651F

NETWORK

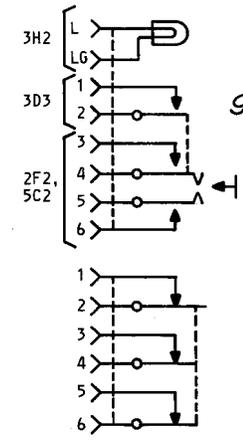
DESIG	LOC	CODE
(X) Z1	2C0, 4C2	425K
(Y,Z) Z1	4C2, 5D2	4228Y

POLARITY GUARD

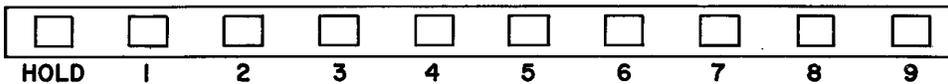
DESIG	LOC	CODE
(M) PG	5E1	819041708

RINGER

DESIG	LOC	CODE
(X) DS	4C3	P1A
(Y,Z) DS	4C3	P1B



KEY TOP



TERMINAL BOARD

TERM. NO.	LOC	TERM. NO.	LOC	TERM. NO.	LOC	TERM. NO.	LOC	TERM. NO.	LOC
1	3G2	7		13	3B2	19		25	2D3, 5D4
2	3H2	8	2E1, 5B3	14	4F2	20	3E2	26	3D1
3	5A3, 5F1	9		15		21	3E2	27	
4	3G2	10	3B1, 4A2	16	4A2, 5B3	22	3B2, 4B2	28	
5	3H2	11		17		23		29	3A2, 4A2
6	2E0, 5A3, 5F1	12	4F2	18		24	2D3, 5D3	30	2E3, 5D3

830- AND 2830- TYPE TELEPHONE SETS

SD-69624-01-C2

BELL TELEPHONE LABORATORIES INCORPORATED

DWG SIZE 3S

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ISSUE

