SD-65752-01

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SUPPORTING INFORMATION

CATEGORY	NO.
756A PBX CABLING DIAGRAM	SD-65746-01
756A PBX FEATURE CABLE	SD-66920-01
EQUIPMENT INFORMATION	J58829M-( ) J58829AF-( ) J58829AK-( )
SERVICE OPTION BSP	551-147-210
OPERATION TEST BSP	551-188-501

DWG ISSUE	CD ISSUE	DATE ISSUED	DRN	APPD	
34B	12B APP 6B	8-3-70	JBS	SHA SGS GM	DR
35B	13B	8-9-71	LFS JBS	SHA RGP AFR	DR
36A	13B APP 1A	8-25-71	LFS ANS	SHA RGP AFR	DR
37B	13B APP 2B	5-4-72	HSW —	WVS AGP AFR	DR
38B	13B APP 3B	8-1-72	HSW —	WVS AGP AFR	DR
39B	13B APPX 4B	5-30-73	RDF HSW	WVS RVL AFR	DR
40B	13B APPX 5B	7-6-73	LBF HSW	WVS RVL AFR	DR
41D	13B APPX 6D	2-26-74	GDI CBN	WVS AGP AFR	DR
42D	13B APPX 7D	8-5-74	GDI DJC	WVS FLS AFR	DR
43D	13B APPX 8D	11-3-75	HSW —	GLH FKB AFR	DR

DWG ISSUE	CD ISSUE	DATE ISSUED	DRN	APPD
1	1	5-9-56	S.L. M.R.	RAP HWK
2B	2B	8-23-56	E.S. CAD	RAP HWK
3B	2B APP 1B	2-4-57	W.D. FGS	L.G. H.W.K.
4A	2B APP 2A	9-25-57	W.S. BAT	RAH HWK
5B	2B APP 3B	9-25-57	J.M. J.B.S	RAH HWK
6B	2B APP 4B	2-24-58	D.F.F. M.S.	H.W.K. H.W.K.
7B	3B	10-10-58	BAT J.M.S.	W.V.E. P.M.S.
8D	4D	10-2-59	R.S. D.F.F.	W.V.S. D.M.C.
9B	5B	2-5-60	S.A.C. H.M.	W.V.S. P.M.S.
10D	6D	3-29-60	P.F.V. L.L.	W.V.S. P.M.S.
11D	7D	6-14-60	R.S. M.S.	W.V.S. P.M.S.
12B	7D APP 1B	8-5-60	V.S. M.R.	W.V.S. P.M.S.
13D	7D APP 2D	3-21-61	P.F. M.R.	W.V.S. R.D.M. T.E.R.
14B	8B	6-6-61	V.S. H.M.	W.V.S. K.A.R. J.C.A.
15B	8B APP 1B	10-3-61	R.R.H. J.L.T.	R.S.D. P.M.W. T.E.R.
16B	9B	8-14-63	V.C. C.R.A.	L.T. R.F.H. P.D.
17D	10D	4-29-64	J.M.B. D.H.C.	W.L.H. S.M.V. N.B.H.
18D	11D	12-11-64	M.P.A. S.A.K. B.M.R.	A.E.K. R.M.V. K.P.J.
19D	11D APP 1D	8-30-65	M.G.N. S.A.K. R.C.L.	W.P.S. L.A.H. G.P.P.
20A	11D APP 2AC	7-14-66	C.E.D. S.A.K. —	H.E.D. S.M.V. G.M.N.
21B	11D APP 3B	7-14-66	C.E.D. S.A.K. —	H.E.D. S.M.V. G.M.N.
22D	11D APP 4D	4-19-67	R.D.Z. P.J.S. U.T.	J.L.H. R.V.L. B.M.R.
23D	11D APP 5D	4-19-67	S.M.V. S.A.K. R.C.L.	H.E.D. L.A.H. G.M.N.
24AC	11D APP 6AC	6-12-67	T.E.F. P.J.S. R.C.L.	J.M.T. L.A.H. G.M.N.
25D	11D APP 7D	4-3-68	S.M.V. P.J.S. R.C.L.	J.M.H. L.A.H. L.D.J.
26AC	11D APP 8AC	4-3-68	B.M.S. P.J.S. R.C.L.	H.A.H. L.A.H. L.D.J.
27AC	11D APP 9AC	4-3-68	B.M.S. P.J.S. R.C.L.	H.A.H. L.A.H. L.D.J.
28B	12B	4-3-68	K.A.R. P.J.S. R.C.L.	S.B.K. L.A.H. L.D.J.
29B	12B APP 1B	3-31-69	R.D.Z. P.J.S. R.H.O.	S.H.A. R.V.L. L.D.J.
30A	12B APP 2A	3-31-69	S.M.V. P.J.S. R.H.O.	S.H.A. R.V.L. L.D.J.
31A	12B APP 3A	3-31-69	S.M.V. P.J.S. R.H.O.	S.H.A. R.V.L. L.D.J.
32B	12B APP 4B	8-19-69	S.M.V. P.J.S. R.H.O.	S.H.A. R.V.L. L.D.J.
33D	12B APP 5D	12-8-69	R.D.Z. S.A.K. J.P.	S.H.A. S.B.K. S.B.

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.

ISSUE 43D

2J07

PBX SYSTEMS
NO. 756A
TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE

A&M ONLY

SD-65752-01-A1
24 SHEETS

BELL TELEPHONE LABORATORIES INCORPORATED 6S

SHEET INDEX (CONT)

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SC 34 FLEXIBLE NIGHT CONNECTION IDLE TRUNK TO IDLE STATION ATTENDANT DIALS STATION SC 35 FLEXIBLE NIGHT CONNECTION INCOMING CALL TO NIGHT CONNECTED TRUNK (MFR DISC) SC 36 FLEXIBLE NIGHT CONNECTION IDLE TRUNK TO BUSY STATION ATTENDANT DIALS STATION SC 37 FLEXIBLE NIGHT CONNECTION OUTGOING CALL FROM A STATION ON NIGHT CONNECTION	E6							7	7	7	7	7	7	7	7	16	16	16	16	16	21	22	22	22	22	22	22	28	29	29	29	32	33	33	33	33	33	33	33	33	33	33	33						E6
SC 38 TOLL OPERATOR RERINGS ON TOLL DENIED OR RESTRICTED STATION CONNECTED BY THE ATTENDANT SC 39 STATION DIAL TRANSFER SC 40 INDICATION OF CAMPED-ON CALL TO BUSY LINE SC 41 INDICATION OF CAMPED-ON CALL TO BUSY LINE USING DSS SC 42 MESSAGE REGISTER SURCHARGING	E7								8	8	8	8	8	8	8	8	16	17	18	19	20	20	22	22	22	22	22	22	28	29	29	29	29	33	33	33	33	33	33	33	33	33	33	33						E7
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	F2																															32	32	32	32	32	32	32	32	32	32	32	32						F2

DRAWING ISSUE	
1	K.S. N.W.
2B	K.S. C.W.
3B	K.S. K.S.
4A	P.H. S.H.
5B	A.K. K.S.
6B	A.K.
7B	K.S. K.S.
8D	K.S. K.S.
9B	K.S. K.S.
10D	K.S. K.S.
11D	K.S. A.S.
12B	N.A. V.C.
13D	K.S. M.A. K.S.
14B	K.S. L.M. L.M.
15B	R.G.M. A.G. T.E.M.
16B	V.C. S.A. P.D.
17D	K.S. D.H.C. A.G.V.
18D	K.S. W.P.S. S.A.K. K.F.J.
19D	K.S. W.P.S. S.A.K. K.F.H.
20A	D.E.D. S.A.K. G.F.H.
21B	K.S. E.E.D. S.A.K. G.F.H.
22D	K.S. R.D.Z. P.J.S.
23D	R.F.F. B.C.N. S.A.K.
24C	R.S. T.E.F. P.J.S.
25D	R.F. B.M.W. P.J.S. L.D.J.
26C	B.M.W. P.J.S. L.D.J.
27AC	B.M.W. P.J.S. L.D.J.
28B	K.A.F. P.J.S. L.D.J. R.D.Z.
29B	P.J.S. L.D.J. B.M.W.
30A	P.J.S. L.D.J. B.M.W.
31A	P.J.S. L.D.J.
32B	
33D	
34B	
35B	

DRAWING ISSUE 39B

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE	ISSUE 4D
BELL TELEPHONE LABORATORIES INCORPORATED	SD-65752-01-A2
SHT. ADD'R 6S	PRINTED IN U.S.A.

SD-65752-01-A2

APPARATUS INDEX

DESIG	LOCATION FS	APP FIG.	EQPT
RELAYS			
AC	1B6	1	
ACA	1A7	1	
BY	3A2	1	
CT	1H9	1	
DR	1F4	1	
DRA	1G4	7	
FF	1A2	1	
H	1D8	1	
HD	2G4	1	
HM	2E3	1	
IC(0-9)	4B6	6	SLIDE 5
MC	2G3	1	
N	2C3		
NI	1B8		
P	1E3	1	
R	1D8	1	
RI	2C4	1	
RS	3C2	1	
RT	1G2	1	
S	1D6	1	
SI	1C2	1	
SEO-9	4B1	2	
SL	2A3	1	
SR	1C7	1	
TLA	3E2	1	SLIDE 5
TT	3D2	1	

DESIG	LOCATION FS	APP FIG	EQPT
INDUCTORS			
H	1D5	1	SLIDE 5
HI	1E5, 1F5	1	
JACKS			
T	4A4	3	
LAMPS			
L	4B4	2	
LAMPS, RESISTANCE			
SLO-9	4B1	2	
RESISTORS			
B	1D3	1	SLIDE 5
BF	1F7	1	
CS	2B2	1	
FF	1B2	1	
H	1E7	1	
HS	1E6	1	
L	3D8	1	
LS	1E6	1	
PD	2A4	1	
R	4F2	5	
S	3C8	1	
SH	2B4	1	
SLO-9	4C1	2	
T	3B8	1	SLIDE 5
THERMISTORS			
R	1E8	1	SLIDE 5
TI	4F1	5	
TRANSISTORS			
QI	4F1	5	SLIDE 5

DESIG	LOCATION FS	APP FIG	EQPT
CAPACITORS			
A	1E4	1	SLIDE 5
FB	1E2	1	
FF	1B2	1	
R	1E9	1	
RV	1E3	1	
S	1D6	1	
TN	1G7	1	
DIODES			
A	1E2	1	SLIDE 5
B	1D3	1	
C	1D5	1	
D	1E9	1	
DR	1F3	1	
F	2A2	1	
FF	4E1	5	
G	2A3	1	
H	1C7	1	
HD	2H5	1	
IT	1E6	8	
J	1C7	1	
K	1A7	1	
KO-9	1A7	2	
L	3F2	1	
LI	2C5	1	
M	1G4	1	
N	1G2	1	
NR	1G8	1	
NRI	3C1	1	
R	4G2	5	
RS	3C2	1	
S1	1G7	1	
SA, SB	2C5	1	
SE1, SE2	1B9	1	

DESIG	LOCATION FS	APP FIG	EQPT
VARISTORS			
E	1E9	1	SLIDE 5

LEAD INDEX

DESIG	FS LOC
CORDLESS POS CKT	
ACA	5E2
BAT	4B7
BT	3E8
BZ	3E8
BZ(0-9)	3F8
CO	4C7
COA	4C7
CS	4C7
FB	2G7
H	2E7
HD	2G7
HG	2F7
HM	2E7
ICI	4B7
IC2	4C7
L	3D8
LR	1B4
LT	1B4
NT	3G2
RC	4F7
SLI	3C8
SL2	3C8
SP	2G7
SR	2F7
SS	4E7
T	3G8
TC	4F7
TLI	3B8
TL2	3B8
TR	1B4
TT	1B4
U	3G8
W	3F2

DESIG	FS LOC
MKR CLASS OF SERVICE CKT	
BY(E,O)	3BI
FF(E,O)	IAI
NT	3GI
RLS(E,O)	2GI
RS(E,O)	3CI
RT(E,O)	IH2
TLA(E,O)	3EI
TT(E,O)	3DI

DESIG	FS LOC
ALM TRFR AND TST CKT	
NC(0-9)	5G2
NCA(0-9)	5GI
ON(0-9)	5G2
NS(E,O)	2C2
IT(9-)	2G2
ITC(9-)	2G2
R	1F9
T	1D9

DESIG	FS LOC
MKR LINK TEST CKT	
CW	2AI

DESIG	FS LOC
POWER SUPPLY CKT	
BT	1G6
CR	3F4
FI(,2)	3D4
FC(1,2)	5D3,3E5
FF(1,2)	3E4
FT	3E4
RI	1H2
RG GRD	1HI
SF(1,2)	3C4

DESIG	FS LOC
MKR TRK HOLD MAG CKT	
IT(90-99)	2FI
M(E,O)	2EI
ST(90-99)	2FI

DESIG	FS LOC
MKR LINK CKT	
R	IFI
S	2BI
T	IDI

DESIG	FS LOC
MKR UNITS SEL CKT	
U(0-9)	3G4
MKR TENS SEL CKT	
TR(0,1)	3G4
TMS REMOTE SCANNER	
TU (T-)	2E3
TU (T-A)	2D4

DESIG	FS LOC
CORD SWITCHBOARD	
L	4B3,4C3
R	4B3,4C3
S	4B3,4C3
SL	4B3,4C3
T	4B3,4C3
608A CORD SWBD AUX SIG, FA, BCO & MISC CKT	
NA	2B5
608D CORD SWBD AUX SIG FA, BCO & MISC CIRCUIT	
NA	2B5

DESIG	FS LOC
DIAL PULSE REG.	
LD	2H3
AUX POSITION CKT	
ACA	5FI
HD	5F5
HDI	5F5
LO	5E5
RTK	5F8
STA DIA TRFR CONTROLLER CKT	
AAA	5D5
AAB	5C5
CG	5C5
ER	5B2
FLI	5C9
FL2	5C9
FR	5A2
GR	5B2
LL	5C9
MC	5A5
MTR	5B9
PA	5B5
PB	5B5
RBA	5B2
RBS	5B2
RCA	5C2
RLR	5B9
RS	5D2
SG	5C5
SR	5A2
TBA	5C2
TBS	5C2
TCA	5D2
TL	5C9
TP-	5D9
TT	5D2
U	5B9
STATION MESSAGE REG PULSE AND SURCHARGE CKT	
H	6CO
RI	6EO
R2	6EO
SI	6CO
SR	6BO
SSI	6DO
SS2	6DO
AUX LONG LINES CKT FOR TOUCH-TONE CONVERSION	
R	IF9
T	ID9
MB & BY DISPL CKT	
IT	2H2
ITB	1H2
ITT	2H2

OPTION INDEX

APP OR WIRING	LOCATION
2	APP FIG. 2, 1A7, 1A9, 1C5, 3B7, 4A1, 4B0, 4D1
3	APP FIG. 3, 4A4, 4B4
4	APP FIG. 4, 4C4
5	APP FIG. 5, 1B2, 4E1
6	APP FIG. 6, 1D1, 1E1, 2H5, 4B6, 4C6
7	APP FIG. 7, 1F2, 1F4
8	APP FIG. 8, 1E7, 1E8
Z	1B8
Y	1B8
X	1B8
W	2F7
V	2F2
T	2F2
S	1E7
R	1E7
Q	1B1, 1D1, 1F1, 1F3, 2B3, 2C2, 3A2-3E6
P	1B1, 1D1, 1F1, 1F3, 2B3, 2C2, 3A2-3E6
N	1E3, 2A3, 2E4, 3B2, 3D2, 3E2
M	1E3, 2A3, 2E4, 3B2, 3D2, 3E2
K	2F2
J	2F2
H	2G7
G	2G7
F	1D9, 1F9, 2F6, 1G2,
E	1F2-1F9, 2B2, 2C3, 2F6, 3C3, 5F2, 5G4 APP FIG. 1
B	3E2
A	APP FIG. 1, 3E1
ZA	2F7
ZB	2F7
ZC	3F7
ZD	3F7
ZE	4B1, APP FIG. 2
ZF	4C1, APP FIG. 2
ZG	1B1-1F6 APP FIG. 1, 3C2
ZH	1B1-1G5 APP FIG. 1, 3C2
ZJ	1F2-1F9, 2A2, 2B2 2C3, 2F6, 3C2, 3C3, APP FIG. 1, 4B5, 5F2, 5G4
ZL	1F6
ZM	1A7
ZN	2G3
ZO	1E3
ZP	2G3
ZQ	2F2
ZR	3F5
ZS	3F5
ZT	1B2
ZU	1F3
ZV	1F3, APP FIG. 1
ZW	1A2-1G5, 2C6, 2G6, 3C8, 3F4, 3F6
ZX	1A2-1G6, 2C6, 2E6, 2G6, 2H4, 3C1 - B8
ZY	5F2, 5F5, 5G5
ZZ	5F1, 5F8, 5H1, 5G5
YA	4B5, 4C5, 4C6
YB	1H7, 2B4, 2C5
YC	1C7, 1H7, 2B4, 2C4, 2F3, 2C7
YD	2C5
YE	2C5
YF	4C1
YG	4C1
YH	APP FIG. 1
YI	4B5, 4C5
YJ	APP FIG. 1
YK	4B7
YL	2F3, 3C2,

APP OR WIRING	LOCATION
YM	APP FIG. 1, 1F2-1F9, 2A2, 2B2, 2C3, 2G3, 2F3, 3C2, 4B5, 5F2, 5G4
YN	APP FIG. 2
YO	APP FIG. 1
YP	2F2, 2G2
YQ	2G3
YR	2F2, 2F3
YS	2G2
YT	1H1, 2G2
YU	2E5
YV	2E5
YW	APP FIG. 1
YX	APP FIG. 1
YY	1G1, 1G2, APP FIG. 1
YZ	1G1, 3C2, APP FIG. 1
XA	1A8, 1B8, 2H4, 2H5, APP FIG. 1
XB	1A8, 1B2, 1B8, 1C1, 1E2, 1E4, 1E5, 1F4, 1G6, 2H4, 2H5, 3A3, 3C1
XC	APP FIG. 1, 1B1, 1B2, 1E6, 1F4, 1F6
XD	APP FIG. 1, 1A8, 1B8, 1E2, 1G6, 2H4, 2H5, 3A3, 3B1
XE	APP FIG. 1, 1A7, 1A8, 1B7, 1G8, 1G9, 1H8, 1H9, 3B6, 1C9
XF	APP FIG. 1, 1A7, 1A8, 1B8, 1G8, 1G9, 3B5, 3B7 1B9, 1C9
XG	4B1
XH	2G2
XI	3A3
XJ	APP FIG. 1, 3B3
XK	1B8
XL	1G6, 1H3
XM	2C5, 2G3, 3E2, APP FIG. 1
XN	APP FIG. 1, 1C1, 1D6, 1G1, 1G2, 1G8, 1G9, 1H1, 2B2, 2C3, 2E6, 2G2, 3C1, 3D8
XO	APP FIG. 1, 1B8, 1C2, 1D6, 1D8, 1D9, 1F6, 1F8, 1F9, 1G2, 1G8, 1G9, 1H1 1H2, 2B2, 2B4, 2C3, 2E6, 2F6, 2G3 3C1, 3C2, 3C3, 3D8, 3F5, 4B5, 5F2, 5G4, 5F0, 5G4
XP	1E6, 1E7
XQ	APP FIG. 1, 1E6
XR	APP FIG. 1, 1E6
XS	2F3, 2D4
XT	APP FIG. 7, 1E1
XU	APP FIG. 7, 1E2
XV	1E2
XW	1H2
XX	1H2
XY	2F2
XZ	1H9, 2G5, APP FIG. 1
WA	3E1, APP FIG. 1
WB	1G7
WC	1G7, APP FIG. 1
WD	1H2
WE	1G9
WF	2H4, 2H5, APP FIG. 1
WG	1B2, 1B3, APP FIG. 1
WH	1F1

DRAWING ISSUE	
1	SL
2B	SL
3B	SL
4A	SL
5B	SL
7B	SL
8D	SL
11D	SL
13D	MR
14B	HM
15B	SL
16B	SL
17D	SL
18D	SL
19D	SL
20A	SL
21B	SL
WORK IN TRACING	
RELEASED FOR WITHOUT CHARGE	
6-30-66	
22D	SL
23D	SL
24A	SL
25D	SL
26A	SL
28B	SL
29B	SL
30A	SL
31A	SL
32B	
33D	
34B	
35B	

ISSUE 43D

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2)

SD-65752-01-A3

BELL TELEPHONE LABORATORIES INCORPORATED 6S

PART OF FS I

TIP AND RING CONTROL
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)

CORDLESS POSITION CIRCUIT

MARKER

LEV 2 · LEV 1 · LEV 0

SHEET NOTES:

* A. ALL MULTIPLE POINTS MARKED * INDICATE ALL EVEN TRUNKS. MULTIPLED SEPARATELY FROM ALL ODD TRUNKS.

B. F OPTION – CO TRUNK CIRCUITS 0,1,2 & 5 CONNECT TO ALARM TRANSFER & TEST CIRCUIT, E,ZJ,YM OPTION-CO TRUNK CKTS. 0,1&2 CONNECT TO ALARM TRANSFER & TEST CIRCUIT, F OPTION – CO TRUNK CIRCUITS 3,4,&6-9 CONNECT TO LINE OR TRUNK ACCESS CIRCUIT, TO "TOUCH-TONE" TO DIAL PULSE CONVERSION EQUIPMENT, OR DIRECTLY TO CENTRAL OFFICE. E,ZJ,YM OPTION-CO TRUNK CKTS. 3-9 CONNECT TO LINE OR TRUNK ACCESS CIRCUIT, TO "TOUCH-TONE" TO DIAL PULSE CONVERSION EQUIPMENT, TO TRANSMISSION FACILITIES, OR DIRECTLY TO CENTRAL OFFICE.

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-B1

BELL TELEPHONE LABORATORIES INCORPORATED

6S

ISSUE 43D

DRAWING ISSUE

WORN DRAWING REPRODUCED WITHOUT CHANGE 6-22-66 P.M.C

PART OF FS 2

SLEEVE AND HOLD MAGNET CONTROL
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)

NOTES:
A. ALL MULTIPLE POINTS MARKED * INDICATE ALL EVEN TRUNKS MULTIPLED SEPARATELY FROM ALL ODD TRUNKS.
B. MULTIPLE TO ALL CIRCUITS ONLY WHEN OPTION ZY IS PROVIDED

MARKER
VOLTAGE REDUCTION DETECTOR
COS-
CO-A
COS
CT
HM
FF
RS
BY
HD
SH
SL
PD
DR
RI
SA
SB
SI
SR
LI
ACA
AC
RT
RL-B
HMK-
CON-
SO-
ALB-
CO-
HMTA
TRK-
THM
HMTB
JT-
COT
SMT-
TRM-
TK-
S-
U-
LEV 0
LEV 1
LEV 9
NS
ALM,TRFR & TEST CKT
TRAFFIC MEASUREMENT SYSTEM REMOTE SCANNER
SS-SEL
SEE NOTE 302
MC
TT
TLA
CS
TRK BY
CO TRK
MB & BY DISPLY CKT
SEE NOTE 205
TO DIAL PULSE REG CKT
ATA OR ATAI
ALM, TRFR & TEST CIRCUIT
6GBA CORD SWBD AUX SIG,FA,BCO,& MISC CKT OR 6GBD CORD SWBD AUX SIG, FA,BCO & MISC CKT
CORDLESS POSITION CIRCUIT
SEE NOTE B

DRAWING ISSUE

1	S.L. M.B.	W.S.
2B	F.S. C.K.C.	R.A.
3B	M.D. F.W.	W.S.
4A	J.D. J.S.	T.E.
5B	J.M. J.S.	A
7B	A.A. W.B.	T.B.
9D	R.E. J.T.	P.D.
9D	R.E. P.S.	P.D.
14B	V.S. H.M. T.E.	
16B	V.C. C.R.A. P.D.	B
17D	M.E. D.K.C. A.B.J.	
18D	M.A. S.W.K. K.P.J.	HW
19D	M.G. S.W.K.	
21B	C.D. S.W.K. M.P.H.	C
WORN OUT REPLACED WITH CHANGE	8-24-66 F.E.D.	HW6 ROU-TINE
22D	R.D.Z. T.J.S. R.H.P.	
23D	B.D.H. S.W.K. R.H.P.	
24RC	T.E.F. T.J.S. R.H.P.	D
28B	S.W.K. T.J.S. R.H.P.	
29R	R.D.Z. T.J.S. W.D.J.	
30A	S.W.K. T.J.S. W.D.J.	E
32B		
33B		
34B	DR	

ISSUE 40B DR

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2) SD-65752-01-B2

BELL TELEPHONE LABORATORIES INCORPORATED 6S

SD-65752-01-B2

PART OF FS 3

CLASS OF SERVICE
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)

FS 4

LAMP, BUZZER AND TONE CONTROL & MARKER START

MARKER

REGISTER 0

REGISTER 1

REGISTER 0

REGISTER 1

AUXILIARY POSITION CIRCUIT

RINGING CIRCUIT (INTERRUPTER)

MARKER

CORDLESS POSITION CIRCUIT

TO SECOND CORDLESS POSITION

CORDLESS POSITION CIRCUIT

TRUNK LAMP

STATION LAMP

(6 BUTTON KEY TEL SET)

RINGER

SEE NOTE B

SEE NOTE D

SHEET NOTES:

A. ALL MULTIPLE POINTS MARKED * INDICATE ALL EVEN TRUNKS MULTIPLED SEPARATELY FROM ALL ODD TRUNKS.

B. MULTIPLE TRUNKS 0-4 INCLUSIVE ON LEAD "TRO" AND TRUNKS 5-9 INCLUSIVE ON LEAD "TRI."

C. WHEN ZS OPTION IS REQUIRED THE INSTALLER SHALL ADD A STRAP ACROSS TERM 10 AND 10M OF (R) RELAY.

D. WHEN ZX OPTION IS REQUIRED THE INSTALLER SHALL REMOVE STRAPS BETWEEN 9 & 9M AND 11 & 11M OF (TT) RELAY, AND CONNECT GROUND TO 9B (TT) RELAY.

DRAWING ISSUE

WORDING DRAWING REPRODUCED WITHOUT CHANGE 2-7-57 TEF

ISSUE 37B

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2)

SD-65752-01-B3

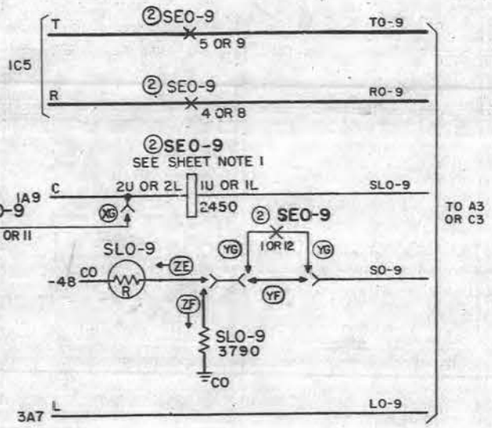
BELL TELEPHONE LABORATORIES INCORPORATED

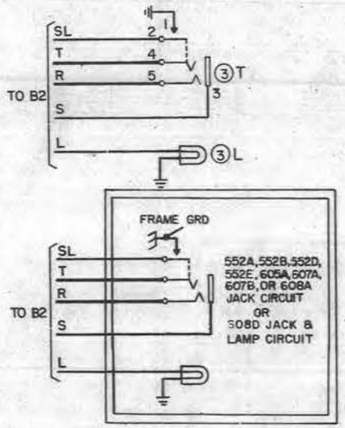
SYS ACC 6S

SD-65752-01-B3

FS 5

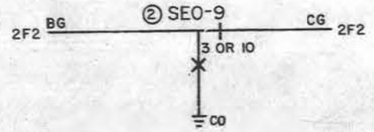
RELAY AND JACK CKT FOR TRUNK APPEARANCE AT CORD SWITCHBOARD

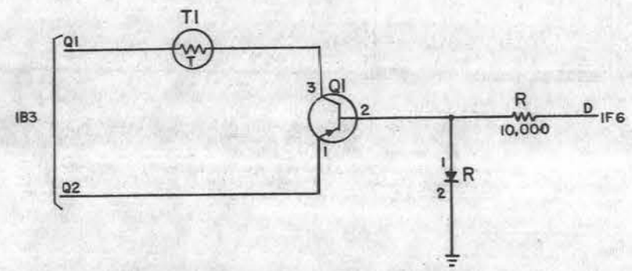




⑤ FS 6

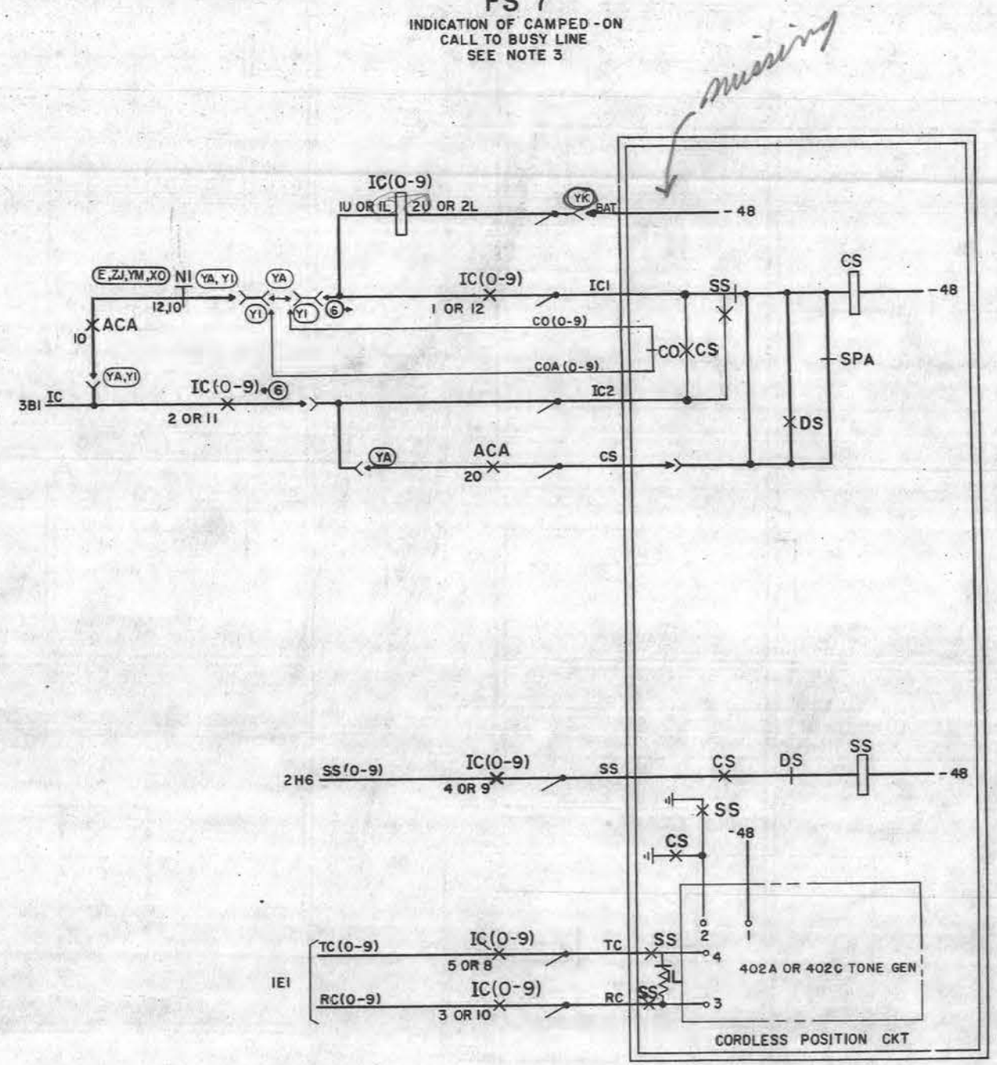
FALSE RECALL DETECTOR CIRCUIT (REQUIRED WHEN TRUNK IS CONNECTED TO A PANEL OR AN ESS CENTRAL OFFICE – SEE SHEET NOTE 2)





FS 7

INDICATION OF CAMPED-ON CALL TO BUSY LINE SEE NOTE 3



SHEET NOTES:

1. RELAYS SE0,2,4,6,8 ARE ASSOCIATED WITH EVEN NUMBERED CIRCUITS, RELAYS SE1,3,5,7,9 ARE ASSOCIATED WITH ODD NUMBERED CIRCUITS.
2. EQUIPMENT TO BE MOUNTED LOCALLY.
3. SPRINGS 1 TO 5 WITH COIL TERMINALS IL AND 2L APPLY TO LOWER RELAYS (ICO,2,4,6 AND 8). SPRINGS 8 TO 12 WITH COIL TERMINALS IU AND 2U APPLY TO UPPER RELAYS (IC1,3,5,7, AND 9).

DRAWING ISSUE
11D PG, MS
16B VC, KA, PC
7D PM, DM, AM
19D WG, SAK, GF, CE
20AC SAK, GF, CE
21B SAK, GF, RW, MS, LU
32B

ISSUE 42D DR

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2)

SD-65752-01-B4

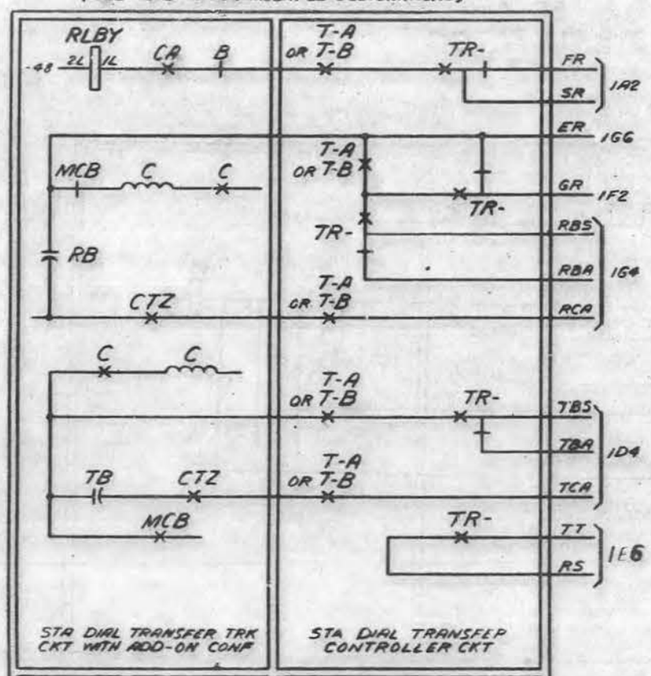
BELL TELEPHONE LABORATORIES INCORPORATED

6S

SD-65752-01-B4

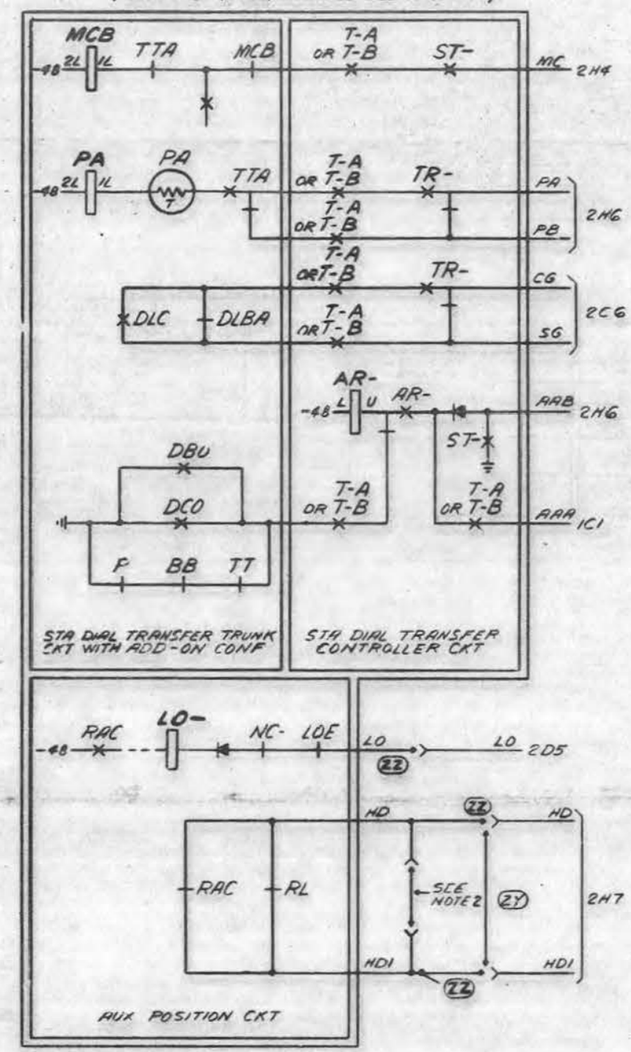
PART OF FS 1

TIP AND RING CONTROL
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)



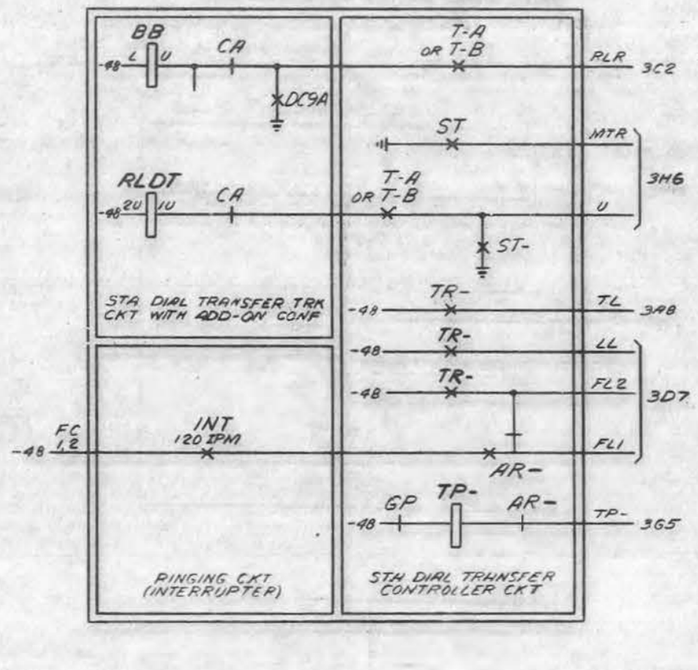
PART OF FS 2

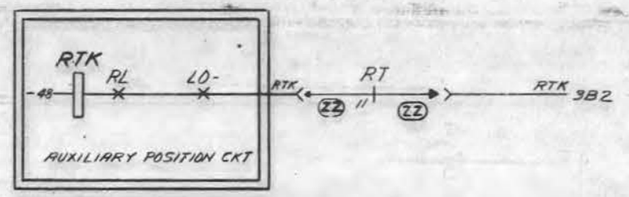
SLEEVE AND HOLD MAGNET CONTROL
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)



PART OF FS 3

CLASS OF SERVICE
(SEE NOTE "A" FOR MULTIPLE DESIGNATIONS)





SHEET NOTES:
1. LEADS NCAO-9 ARE REQUIRED WHEN AUXILIARY POSITION CIRCUIT IS NOT PROVIDED AND THESE LEADS ARE PROVIDED BY STRAPPED PLUG IN CROWN.
2. STRAP BETWEEN LEAD HD AND LEAD HDI IS REQUIRED WHEN AUXILIARY POSITION CIRCUIT IS NOT PROVIDED AND STRAP IS PROVIDED BY STRAPPED PLUG IN CROWN.

17D			
18D			
21B			
32B			

32

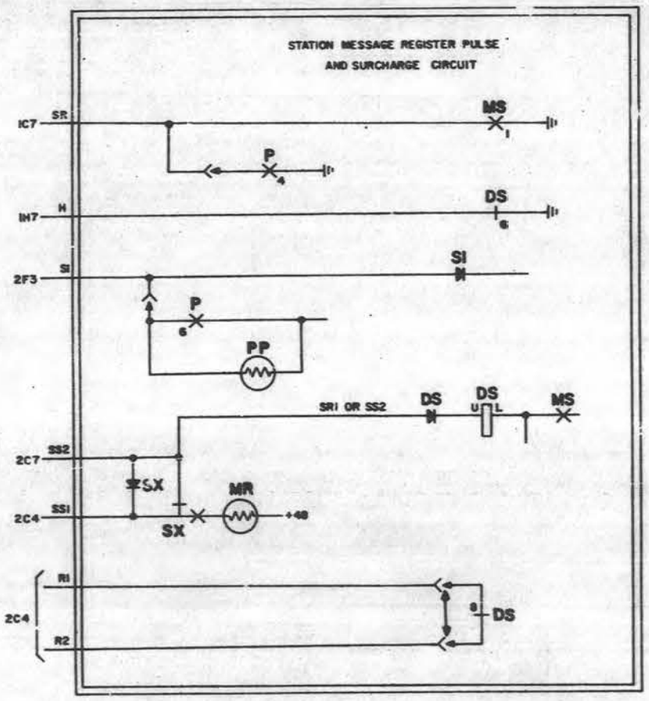
TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2) SD-65752-01-B5

BELL TELEPHONE LABORATORIES INCORPORATED 6S

SD-65752-01-B5

PART OF FS2

SLEEVE AND HOLD MAGNET CONTROL



DRAWING ISSUE

18D	BAR SAK RFJ	HW
21B	CED SAK GFH	

SD-65752-01-B6

21

PBX SYSTEMS

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2)

SD-65752-01-B6

BELL TELEPHONE LABORATORIES INCORPORATED

6S

APP FIG. I

RELAY

DESIG	AC				BY		BY		CT		DR		R1		FF						HD		HM		DESIG
CODE	AF139				FS1895		AG33		AG16		AK8				AJ15						AJ15		AF100		CODE
OPTION					Q		P																		OPTION
	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	
12					EM	1F3	EM	1F3			M	3E5			EBM	1A8					EBM	2B3	EMB	2G6	12
11											M	2A2			EBM	3F5					EBM	3D2	M	α	11
10	M	2G7			M	3E6	M	3E6	M	1C7	EBM	1F2			EBM	3E5					EBM	α	EBM	1A8	10
9	B	a			B	3F5	B	3F5			EMB	a			EBM	1E6					EBM	2G6	M	3B2	9
8	EBM	b			EBM	2B2	EBM	3C6	EBM	1F7	EM	3E5			EMB	1F7					EMB	2G6	EBM	2G4	8
7	B	2G6			B	1D1	B	1D1	B	2F3					EBM	2B2					EBM	1F5			7
6	EMB	1A6			B	1F1	EMB	2B2	EBM	1D7					EMB	1F4					EMB	2E6	EMB	2E2	6
5	B	2F6			BM	3C6	B	1F1	a	α			EM	2D5	EMB	1F4					EMB	1D5			5
4	EBM	2E6			EBM	2B3	EBM	2B3	M	1G8			B	2F4	EBM	3C6					EBM	3D7	EBM	3G5	4
3	B	1D4											EBM	3B7	EBM	1H8					EBM	3C6	M	3C7	3
2					M	3B2	M	3B2					EBM	1A9	EBM	3D4					EBM	3B5	EBM	3G5	2
1					M	1B1	M	1B1					M	3E5	EBM	1B2					EBM	1F3	M	2F4	1
COIL		1B6				3B2		3B2		1H9		1F4		2C4		1A3						2H5		2E5	COIL

(EJC) (2HB) 1F4 1B2 (EQC) (2HB) 1B1 1F4

(E,ZJ) 2E1 a (YM,XO) 2B2

(ZL) 1F6 a (E) 3C3 (ZL,YM,XO) 3C2

a (XE) 1H9 (XF) 1C9

a (E,ZJ) 2B1 (YM,XO) 2B2

RELAY

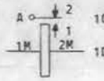
DESIG	MC		N		N1		N		N1		P				R		RS		RS		RS		RT		DESIG
CODE	AJ56		AJ3		AJ3		AK7		AK7		AJ28				AJ48		AJ15		AJ3		AG53		AJ58		CODE
OPTION			XO		XO		E,ZJ,YM		E,ZJ,YM								ZH		ZG		XB,XD				OPTION
	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	
12	EM	3C1	EMB	2C3	EMB	5G4			EBM	4B5	EM	1D5					EBM	1D6	EMB	1D6	EBM	1D6	EM	1H2	12
11	BM	1H1	BM	1H1	BM				EBM	1D9	M	1D7					EBM	2F7	BM	2F7	EBM	2F7	B	5F8	11
10	M	1A2	EBM	2E6	EBM	4B5			EBM	1F9	EBM	3C4			M	3E5	EBM	1D1	EBM	1D1	EBM	3A3	M	1A8	10
9	PMEB	2E3	M	1H2	M				EM	5G8	M	1H1					EBM	1A8	M	1A8	EBM	3A3	BM	1E6	9
8	EMB	2F3	EBM	2F6	EBM	1D9			EM	1C8	EBM	2E4			M	2E5	EMB	2F6	EBM	2F6	EMB	2F6			8
7	B	1G1															EBM	1G5			EBM	1G5	B	3G2	7
6	M	3B1	EMB	2B2	EMB	1B8					EMB	1A9			M	2D5	EMB	2B2	EMB	2B2	EMB	2B2			6
5	S	1E3	M	1H8	M	1H8	EM	2C3			M	2G4					EMB	3C1	M	3C1	EMB	3C1	B	3C1	5
4	PMEB	2G3	EBM	1H1	EBM	1F9	EM	α			EBM	α			M	1G8	EBM	3C6	EBM	3C6	EBM	3C5	M	1B2	4
3	M	3C1	BM	1D6	BM	1G2	EBM	2F6			M	1F7					EBM	2D5	BM	2D5	EBM	a	BM	3C5	3
2	PBEM	3G1	EBM	2G3	EBM	1H2	EBM	1F2			EBM	1F8					EBM	1F2	EBM	1F2	EBM	1F2	M	2F6	2
1	M	3E1	BM	1G9	BM	2E6	EBM	b			M	1E3					EBM	2E6	BM	2E6	EBM	2E6	M	2E6	1
COIL		2C3		2C3		1B8		2C3		1B8		1E3				1D9		3C2		3C2		3A3		1B2	COIL
																						a 1A8 2H4			

a (E) 3C3 (YL) 3C2 (YM) 2B2

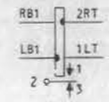
b (YM) 2G3 (EZJ) 2B1

a (XE) 1G9 (XF) 1G7

RELAY S B1139



RELAY H S534



RELAY

DESIG	ACA			
CODE	AJ202			
OPTION				
	CONT ARR	LOC	CONT ARR	LOC
24	M	1C8		
23	M	2C3		
22	M	1E5		
21	M	2F7		
20	M	4C7		
19	M	3E2		
18	M	2E6		
17	M	1A6		
16	M	2E5		
15	M	2F6		
14	M	3E7		
13	M	3G7		
12	M	3G7		
11	M	3G2		
10	M	4B5		
9	M	2D6		
8	M	2G6		
7	M	1A7		
6	M	1A6		
5	M	2G7		
4	M	1C4		
3	M	1C4		
2	M	1C4		
1	M	1C5		
COIL		1A7		

RELAY

DESIG	S1		S1		SL		SL		SR		TLA		TLA		TT										DESIG
CODE	AG34		AG61		AK9		FS1877		AG34		AK9		FS1877		AJ12										CODE
OPTION	XN		XO		M		N				M		N												OPTION
	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	CONT ARR	LOC	
12	M	b	EBM	b			M	2E4	M	3B6	M	3E2			EBM	2E3									12
11	M	3C6	M	3C6			B	3B2	M	b					EBM	3F5									11
10	EBM	2F3	EBM	2F3					EBM	2F3	B	2E4			EBM	1D5									10
9			M												EBM	3F6									9
8	EBM	3D7	EBM	3D7					EBM	1F2	BM	1E2			EBM	3B5									8
7			M	1G9											EBM	2G5									7
6	EBM	α	EBM	α					EBM	a					EBM	1E5									6
5			M												EBM	1E7									5
4	EBM	2D6	EBM	2D6	B	3B2			EBM	1G8					EBM	1A9									4
3			M										B	2E4	EBM	3C5									3
2	EBM	1E7	EBM	1E7	M	2E4			EBM	1E7			BM	1E2	EBM	1H2									2
1	M	1G8	M	1G8					M	1B2			M	3E2	EBM	3D2									1
COIL		1C2		1C2		2B3		2B3		1C7		3E2		3E2		3D2									COIL
									a	1D7 2D6															
									b	(YY) 1G1 (XJ) 3B3															

a (XE) 3B6 (XF) 1A8 (XZ) 1B7 (XF) 3B6

a (XE) 3B6 (E) 1A8 b (XE) 1B7 (XF) 3B6

CAPACITOR

DESIG	LOC	CODE
(ZH,XB) A	1E4	KS-13614,L6,0.05 OR KS-20300,L3,.05
FB	1E2	KS-19658-L42,50
(WG) FF	1B2	439A
R	1E9	444A,3UF
RV	1E3	
(YW) S	1D6	KS-13486,60 UF
(YX) S	1D6	KS-19524,L9,50UF
TN	1G7	441B

DIODE

SEE VARISTOR

INDUCTOR

DESIG	LOC	CODE
H	1D5	274AC
(ZG,XC) H1	1E6	274AH
(ZH,XB) H1	1F5	274L

RESISTOR

DESIG	LOC	CODE
B	1D3	146A,5490 ±1%
BF	1F7	KS-13492,L1,2000
CS	2B2	(XN) 18FB (XO) KS-14603,L1A,909±5%
(WG) FF	1B2	KS-20259,L6C,100
H	1E7	18AE
(XP) HS	1E6	KS-13492,L1,1200
(XO) L	3D8	KS-14603,L1A,909± 5%
(XN) L	3D8	18FB
(XQ) LS	1E6	KS-13492,L1,82
(XR) LS	1E6	KS-13492,L1,200
PD	2A4	18GF
S	3C8	198A
(XN) SH	2B4	188W
(XO) SH	2B4	KS-14603,L1A,100± 5%
T	3B8	198A

THERMISTOR

DESIG	LOC	CODE
R	1E9	8A

VARISTOR (DIODE)

DESIG	LOC	CODE
A	1E2	KS-15724,L2 DIODE
B	1D3	KS-15724,L2 DIODE
C	1D5	KS-15724,L2 DIODE
D	1E9	400E DIODE
(ZV) DR	1F3	~~4206~~ 446F DIODE
E	1E9	317A VARISTOR
F	2A2	KS-15724,L2 DIODE
G	2A3	KS-15724,L2
(E,ZJ,YM,XO) H	1B8	KS-15724,L2
(WP) HD	2H5	446F
(E,ZJ,YM,XO) J	1C8	KS-15724,L2
(YO) K	1A7	~~4206~~ 446F
(A) (WA) L	3F2	KS-15724,L2
L	3F2	446F
(XM) L1	2C5	
(YM) M	1G4	
(YJ,YY) N	1G2	
(XO) NR	1G8	
(XO) NR1	3C1	
(YJ,YZ) RS	3C2	
(WC) S1	1G7	
(YE) SA	2C5	
(YE) SB	2C5	
(XF) SE1	1B9	
(XF) SE2	1B9	
(XZ) AZ	2G5	

DRAWING ISSUE		
1	SJ, MA, AF, CR	W.S. D.A.
2B	MA, FB, AF, CR	W.S.
3B	AF, JJP	T.E.B.
4A	AF, JJP	T.E.B.
5B	AF, JJP	P.D.
10D	AF, LJ	E.A.
11D	AF, MS	F.D.
LOST DRAWING REPRO-DUCED WITHOUT CHANGE 5-26-61		
16B	VC, CRA, RD, JJP	
17D	DHC, ARM, JED	HW
21B	SAK, JFH, PDZ	
22D	RHP, BCM, SAK, RHP, JEF	
24A	PJS, RHP, BMM, PJS, LDJ	
25A	BMM, PJS, LDJ	
28B	BMM, PJS, LDJ, BDZ	
29B	PJS, LDJ, BMM	
31A	PJS, LDJ	
32B		
34B		
35B		

ISSUE 43D

TWO-WAY TRUNK CIRCUIT TC CENTRAL OFFICE	(2)	SD-65752-01-C1
BELL TELEPHONE LABORATORIES INCORPORATED	SIZE 6S	

APP FIG. 2

RELAY		[5]	[5]
DESIG		SED,2,4,6,8	SE1,3,5,7,9
CODE		AKH	
OPTION			
	CONT ARR / LOC	CONT ARR / LOC	CONT ARR / LOC
12			M 4CI
11			EBM 4BO
10			EBM 4DI
9			EMB 4AI
8			EMB 4AI
7			
6			
5		EMB 4AI	
4		EMB 4AI	
3		EBM 4DI	
2		EBM 4BO	
1		M 4CI	
COIL		4BI	4BI

(YN) [10] KO-9

DIODE DESIG	LOC	CODE
	1A7	KS-15724,L2

LAMP, RESISTANCE DESIG	LOC	CODE
[10] (ZE) SLO-9	4BI	158

RESISTOR DESIG	LOC	CODE
[10] (ZF) SLO-9	4CI	145,3790

APP FIG. 3

JACK DESIG	LOC	CODE
T	4A4	295

LAMP DESIG	LOC	CODE
L	4A4	2Y

APP FIG. 4 (MFR DISC)

JACK DESIG	LOC	CODE
T	484	510A

LAMP DESIG	LOC	CODE
L	4C4	2Y

APP FIG. 5

DIODE DESIG	LOC	CODE
FF	4E1	~~4206~~ 446F
R	462	~~4206~~ 446F

RESISTOR DESIG	LOC	CODE
R	4F2	KS-13492,L1 10,000

THERMISTOR DESIG	LOC	CODE
T1	4F1	88

TRANSISTOR DESIG	LOC	CODE
Q1	4F1	12N

APP FIG. 6

RELAY

DESIG	[5] IC 0,2,4,6,8		[5] IC 1,3,5,7,9	
CODE	AK4			
OPTION				
	CONT ARR	LOC	CONT ARR	LOC
12			M	4B7
11			EBM	4C5
10			EBM	4F7
9			EMB	4E7
8			EMB	4F7
7				
6				
5	EMB	4F7		
4	EMB	4E7		
3	EBM	4F7		
2	EBM	4C5		
1	M	4B7		
COIL		4B6		4B6

APP FIG. 7

RELAY

DESIG	DRA
CODE	MA6C
CONT ARR	LOC
4 EBM	1D6
3 EBM	1B3
2 EBM	a
1 EBM	1G5
COIL	1G4

a (XT) 1E1
(XU) 1E2

APP FIG. 8

DIODE DESIG	LOC	CODE
IT	1E6	426AK

DRAWING ISSUE

110	RJ
168	KG KR KA
170	KG DK RC
180	SAK KG KR
190	SAK RC CEI
218	SAK RC RJ
298	RJS LDJ
328	
348	

ISSUE 43D

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2)

SD-65752-01-C2

BELL TELEPHONE LABORATORIES INCORPORATED

6S

CIRCUIT NOTES:

101.

DESIG	FUSE AMP	POTENTIAL	ONE PER	TERM DESIG
CO	1-1/3	-48V	APP FIG. 1,2	
FC1	1-1/3	-48V	PBX	
FC2	1-1/3	-48V	PBX	
CO		GRD	APP FIG. 1,2	

BATTERY SYMBOL: -48 — VOLTAGE RANGE: 45 – 52V

102.

FEATURE OR OPTION				PROVIDE: APP FIG.	PROVIDE: APP OR WRG	QUANTITY
ATTENDANT SERVICE	LOCKOUT		YES	1,7		
			NO		XK	
	SECRECY		YES		W	
			NO			
	RESTRICTED (SEE NOTE 117)		YES			
			NO		Y	
AUTOMATIC TRANSFER	YES	TRK 0,1, & 2			T	
		TRK 5,6, & 7			XY	
	NO	TRK 3,4,5,6, 8 & 9			V	
2-WAY CO TRUNK CONNECTED TO	PANEL CO			5	R,XP	1 PER TRK
	CROSSBAR	WITH 72V CO BAT. (UNIGAUGE) SEE NOTE 208		8	XP, S, ZT	
		WITHOUT 72V CO BAT.			R,XP ZT	
	ESS CO	WITH 72V CO BAT. (UNIGAUGE) SEE NOTE 208		5,8	XP,S	
		WITHOUT 72V CO BAT.			R,XP	
	SxS CO SEE NOTE 120 & 121				S,XP, ZT	
TRUNK ARRANGED FOR (SEE NOTES 114,206, & 207)	2-WAY ASSIGNED SERVICE			1,7	YP,YO	
	2-WAY ASSIGNED SRV EQUIPPED FOR NIGHT CONN WITH CORD SWBD			2	YP,YR	
	ONE-WAY INCOMING UNASSIGNED SERVICE				X	
	LONG DISTANT SRV BY SGL DIG. DL WITH AUD SGL. (SEE NOTE 118)				XL,YQ,YS	TRK 6,7,8 & 9
TRUNK APPEARANCE AT CORD SWBD	NO				ZR,ZO	
	YES				ZS	
	RELAY EQPT	556A		2	YG,ZE,YD	1 PER PBX
		608A OR D			YG,ZF,YE	
	JACK EQPT	556A		3		
DIAL TR STA CONT (SEE NOTE 122)	REQD				ZX,WG	
	NOT REQD				ZW,WH	
INDICATION OF CAMPED-ON CALL TO BUSY LINE	REQD			6	YX	1 PER PBX
	NOT REQD (SEE NOTE 201)					
STA MSG REGISTRATION (SEE NOTE 203)	REQD				YC	
	NOT REQD				YB	
WHEN TRUNK IS CONNECTED TO STEP BY STEP CENTRAL OFFICE USING POSITIVE TRIP BATTERY					WC	1 PER TRK

103.

NETWORK VALUES		
NETWORK NO.	RESISTANCE IN OHMS	CAPACITANCE IN UF

104.

RECORD OF APP FIG., WIRING AND APP CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT: STD	A&M	MD
2B	Q OR P	Q	102	P		Q
2B	N OR M	N	102	M		N
5B	G OR H	H		G		H
7B	E OR F	F	105	E		F
8D	A OR B	B		A		B
11D	ZA OR ZB	ZA		ZB		ZA
11D	ZC OR ZD	ZC		ZD		ZC
11D	ZE OR ZF	NONE		ZE,ZF		
11D	ZH OR ZG	ZG		ZH		ZG
11D	ZJ OR ZL	E OR F	105,106	ZJ,ZL		E
11D				FIG.3,C		
11D	FIG. 2 OR ZM	ZM		FIG.2 ZM		
14B	ZN	K OR J	102	ZN,K,J		
15B	ZO	NONE		ZO		
16B	ZP,ZQ	NONE	102	ZP,ZQ		
16B	ZR,ZS	ZR	102	ZR,ZS		
16B	ZT FIG. 5	ZT	102	ZT FIG.5		
16B	ZU,ZV	ZU		ZV		ZU
17D	ZX,ZW	ZW	108	ZX,ZW		
	YA FIG. 6	NONE	102	YA FIG.6		
	ZZ,ZY	ZY	109	ZZ		ZY
18D	YB OR YC	YB	102	YB,YC		
19D	YD,YE	YD	102	YD,YE		
	YF,YG	YF	102	YG		YF
			110			FIG.4
20AC	YI	YA	111 201	YI		YA
	YK	NONE	102	YK		
21B	Y.	NONE	112			YH
		A	115			A
	YJ	NONE		YJ		
	YL,YM	ZJ,YL	102	YM		ZJ,YL
	YO	ZM,YN	113	YO		ZM,YN

104. (CONT.)

RECORD OF APP FIG., WIRING AND APP CHANGES						
CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CHART: STD	A&M	MD
22D	YP,YR YQ,YS	ZQ,J ZN,ZP	102	YP,YR YQ,YS		ZQ,J ZN,ZP
	YT	NONE		YT		
24AC	YU,YV	YU	115	YV		YU
25D	YW,YX	YW		YX		YW, NOTE 107
26AC	YY,YZ	YJ	116	YY,YZ		YJ
28B	XA,XB	ZH		XB		ZH,XA
						YY,YZ NOTE 116
29B	XC,XD, FIG. 7	XB	204	XC,XD FIG.7		XB
	XE OR XF	XE,X	117	XF		X,XE
	XG,XL	NONE	102,118	XG,XL		
	XK	Z	102	XK		Z
30A	XH	NONE	205	XH		
31A	XI,XJ	XI		XJ		XI
32B	XM	NONE		XM		
	XN,XO	YM,XN	105,106	XO		YM,XN
	XP, FIG. 8	XP	102,208	XP FIG.8		
	XQ,XR	XQ		XR		XQ
33D	XS	NONE	302	XS		
34B	XT	7	119			XT
	XU OR XV	XV		XU		XV
35B	XW OR XX	XW		XX		XW
37B	XY OR V	V		XY		
	XZ	NONE		XZ		
	WA	NONE		WA		
38B	WB OR WC	WB	102	WB,WC		
39B	WD	WD	121	WD		
	WE	NONE	120	WE		
						WC XZ
40B	WF	NONE		WF		
42D	WF	NONE				WF
43D	WG,WH	NONE	102,122	WG,WH		

105. WHEN E, ZJ, YM (MFR DISC.) OR XO OPT IS PROVIDED FOR FLEX N SRV CONNECTIONS, V OPTION SHALL BE PROVIDED IN CENTRAL OFFICE TRUNK CIRCUIT NO. 5, S OPTION IN LINE CIRCUIT NO. 33 AND R OPTION IN THE ALARM TRANSFER & TEST CKT. (SD-65743-01)

106. WHEN MODIFYING EXISTING JOBS FOR ZH OPTION THAT DO NOT HAVE FLEXIBLE NIGHT CONNECTIONS (OPTION F) PROVIDE ZL OPTION. WHEN ZH OPTION IS PROVIDED WITH FLEXIBLE NIGHT CONNECTIONS, PROVIDE E, ZJ, YM (MFR DISC) OR XO OPTION.

107. WHEN TRUNK UNITS ARE ADDED HAVING "A" OR "WA" OPTION, ALL OTHER TRUNK UNITS SHOULD BE WIRED FOR "A" OPTION.

108. WHEN THE PBX IS MODIFIED FOR DIAL TRANSFER STATION CONTROLLED, OPTION "ZX" MUST BE PROVIDED, REPLACING OPTION "ZW".

109. WHEN THE PBX IS MODIFIED TO PROVIDE AN AUXILIARY POSITION CIRCUIT, OPTION "ZZ" MUST BE PROVIDED.

110. PRIOR TO ISSUE 19D TRUNK JACKS AND LAMPS FOR USE WITH THE 608A SWITCHBOARD WERE SHOWN AS APP FIG. 4 ON THIS CIRCUIT.

111. OPTION YI IS REQUIRED ON EXISTING JOBS WHEN INDICATION OF CAMPED-ON CALL TO A BUSY LINE IS SPECIFIED. OPTION YA IS TO BE REMOVED.

112. OPTION YH IS ADDED AS A MANUFACTURED DISCONTINUED OPTION. THE INSTALLER SHALL ADD OPTION YH WHEN USING A 1A2 KEY TELEPHONE SYSTEM WITH A 400B K.T.U.

113. PRIOR TO ISSUE 21B OPTION YN WAS PART OF APP FIG. 2.

114. TRUNK MAY BE ARRANGED FOR ONE TYPE OF SERVICE ONLY.

115. IF OPTION A (L DIODE) IS REMOVED, OPTION YV MUST BE ADDED AND OPTION YU REMOVED. ASSOCIATED OPTIONS IN THE REGISTER CIRCUITS MUST BE PROVIDED; OPTIONS YZ PER ISSUE 24B OR OPTION XB PER ISSUE 26D.

(MFR DISC.) 116. THE INSTALLER SHALL REMOVE OPTION YJ AND ADD OPTIONS YY AND YZ ON ALL TRUNK UNITS FURNISHED PER ISSUE 21B OR LATER, EXCEPT OPTION YY MUST BE OMITTED ON ALL TRUNK UNITS WHEN MORE THAN ONE 1A1 KTU LINE CIRCUIT IS BRIDGED ON A STATION LINE OR WHEN A DATA SET IS USED AS A STATION LINE, OR WHEN A 24V4 REPEATER IS CONNECTED TO ANY STATION LINE FOR FX SERVICE.

117. PRIOR TO ISSUE 29B OPTION X IS PROVIDED AS AN ATTENDANT RESTRICTION FEATURE (PREVENTS THE ATTENDANT FROM MAKING OUTGOING CO CALLS). ON ISSUE 29B OR LATER, ATTENDANT RESTRICTION IS ALWAYS PROVIDED PER OPTION XF.

118. OPTION XL IS REQUIRED FOR AUDIBLE RINGING TONE WHEN THIS CIRCUIT IS USED AS TRUNK TO TOLL.

119. PRIOR TO ISSUE 34B OPTION XT WAS PART OF APP FIG. 7.

120. FOR OPERATION WITH SxS CO THE INSTALLER SHALL REMOVE OPTION WD AND ADD OPTION WE.

121. PRIOR TO ISSUE 39B OPTION WD WAS PART OF OPTION XO.

122. BEFORE OPTION WG CAN BE APPLIED, APP FIG. 7 MUST BE ADDED TO UNITS BUILT TO ISSUE 33D OR EARLIER.

ISSUE 43D

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-01

BELL TELEPHONE LABORATORIES INCORPORATED 6S

EQUIPMENT NOTES:

201. OPTION YK IS ALWAYS PROVIDED. WHEN INDICATION OF CAMPED-ON CALL TO BUSY LINE IS NOT REQUIRED YK OPTION SHALL BE REMOVED BETWEEN L WDG OF CS RELAY & 2U OF TC9 RELAY.

202. WHEN TRUNKS PER ISSUE 21B OR LATER (WITHOUT "A" OPTION) ARE ADDED TO AN EXISTING PBX EQUIPPED WITH OLDER ISSUE TRUNKS (WITH "A" OPTION), THE TELEPHONE COMPANY MUST EITHER REMOVE "A" AND "YU" OPTIONS AND ADD "YV" OPTION TO ALL EXISTING TRUNKS AND ADD "YZ" OR "XB" OPTION TO EACH REGISTER CIRCUIT (SEE NOTE 115) OR, FURNISH AND INSTALL A 446F TYPE DIODE (DIODE L) AND ADD LEAD "W" IN THE NEWLY ADDED TRUNK UNITS.

203. WHEN PLUG-IN TRUNKS (3,4,8 & 9) ARE USED, THE INSTALLER SHALL ADD OPTION YB TO THE PLUG-IN TRUNK WHEN THE FOLLOWING CONDITIONS EXIST:
   1. TRUNK IS MADE PER ISSUE 18D AND PRIOR TO ISSUE 27AC.
   2. THE PBX IS NOT ARRANGED FOR STATION MESSAGE REGISTERS.

   WHEN PLUG-IN TRUNKS PER ISSUE 27AC OR LATER ARE USED AND WHEN STATION MESSAGE REGISTER FEATURE IS REQUIRED, THE INSTALLER SHALL REMOVE OPTION YB.

204. WHEN MODIFYING EXISTING JOBS TO:
   A. PREVENT TALKING BETWEEN A CAMPED-ON PARTY AND BUSY STATION (BUSY STATION REMAINS OFF-HOOK AFTER THE PARTY CONNECTED TO BUSY STATION DISCONNECTS)
   B. ENABLE THE TOLL OPERATOR TO RE-RING THE PBX ATTENDANT OVER A CO TRUNK PLACED ON HOLD
   THE INSTALLER SHALL DO THE FOLLOWING:

PROBLEM	ISSUE	REMOVE	PROVIDE
CAMP-ON	1-10	YW,Z6	YX,XC,XD,7
TOLL RE-RING	11-24	YW,ZH	
	25-27	ZH	XC,XD,7
	28	X8	

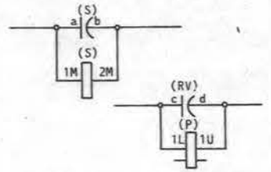
205. WHEN PLUG-IN TRUNKS (3,4,8 & 9) MANUFACTURED PER ISSUE 22D OR LATER ARE ADDED TO EXISTING PBX'S THAT ARE NOT ARRANGED FOR MAKE BUSY & BUSY DISPLAY FEATURE, THE INSTALLER SHALL ADD OPTION XH.

206. WHEN A PLUG-IN TRUNK (3,4,8 & 9) PER ISSUE 22D OR LATER IS ADDED TO AN EXISTING PBX (PERMANENT TRUNKS PER ISSUE 16-21) EQUIPPED WITH A CORD SWITCHBOARD AND THE PARTICULAR PLUG-IN TRUNK DOES NOT REQUIRE A JACK APPEARANCE ON THE SWITCHBOARD, THE INSTALLER SHALL REMOVE LEAD BG FROM PIN 17 ON CONNECTOR A OF THE TRUNK PATCH UNIT - SEE CAD 8 ON PBX CABLING DIAGRAM (SD-65746-01) FOR COLOR OF BG LEAD.

207. WHEN A PLUG-IN TRUNK (3,4,8 OR 9) PER ISSUE 22D OR LATER IS ADDED TO AN EXISTING PBX WHICH HAS BEEN PREVIOUSLY FIELD MODIFIED TO PROVIDE THE MAKE BUSY AND BUSY DISPLAY FEATURE, THE INSTALLER SHALL REMOVE LEAD BG FROM PIN 17 ON CONNECTOR A OF THE TRUNK PATCH UNIT AND RECONNECT LEAD BG TO PIN 14 ON THE TRUNK T.S. SEE CAD 8 ON PBX CABLING DIAGRAM SD-65746-01 FOR COLOR OF BG LEAD.

208. OPTION XP IS ALWAYS PROVIDED. WHEN 72- VOLT CO BATTERY IS USED, THE INSTALLER SHALL REMOVE OPTION XP(HS RESISTOR) AND ADD FIG. 8 (IT DIODE).

ELECTROLYTIC CAPACITOR TEST REQUIREMENTS
(1000 CYCLE TEST, USING 73A TEST SET, BETWEEN 6000Ω LINES)



	OVERALL LOSSES			
TEST	TEST CONN: TEST SET TERM	TEST CONN: CONN TO	MIN LOSS IN db	REMARKS
CAP(S)	3-6	2M 1M(S)	5.6	
CAP(RV)	3-6	1L 1U(P)	5.6	

ALLOWABLE INDIVIDUAL APPARATUS LOSSES

APPARATUS	DESIG	CODE	TEST CONNECTIONS: TEST SET TERMINALS	TEST CONNECTIONS: CONNECT TO	+ MIN LOSS IN db	REMARKS
CAPACITOR	RV	444A	3-6	c-d	5.4	DISC CAP. FROM CKT
CAPACITOR	S	KS-13486 KS-19524,L9	3-6	a-b	5.4	DISC CAP. FROM CKT

CAUTION DISCHARGE CAPACITORS IN ACCORDANCE WITH THE A200 SECTION BSP COVERING THE TESTING OF ELECTROLYTIC CAPACITORS. DO NOT SHORT CKT. CAPACITORS.

WORKING LIMITS

"S" RELAY - THE TRUNK CONDUCTOR LOOP RES PLUS THE MAXIMUM STATION LOOP RES SHALL NOT EXCEED THE CENTRAL OFFICE SUBSCRIBER LOOP RANGE OF THE CONNECTING CENTRAL OFFICE LESS 65 OHMS.

	CONDUCTOR LOOP RESISTANCE
"R" RELAY - RING UP	2000Ω
RE-RING	1200Ω

ISSUE 39B

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-D2

BELL TELEPHONE LABORATORIES INCORPORATED — DWG SIZE 6S — PRINTED IN U.S.A.

SD-65752-01-D2

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS;
CAPACITANCE VALUES ARE IN MICROFARADS;
VALUES PRECEDED BY THE SYMBOL +(PLUS) OR -(MINUS) ARE IN VOLTS.

302. SEE SD-66920-01 PER ISSUE 16D FOR CONNECTION TO THE TRAFFIC MEASUREMENT SYSTEM REMOTE SCANNER.

303. THE PURPOSE OF THIS NOTE IS TO POINT OUT CERTAIN OPTIONS WHICH SHOULD BE ADDED OR REMOVED TO THE TRUNKS AND/OR TO THE 756A PBX SYSTEM TO ENSURE PROPER OPERATION:

(A)

SYSTEM (RIGHT MODULE)	CHANGES REQUIRED
J58829A-4,L54,A OR L55,A	NO CHANGES REQUIRED
J58829A-4,L54 OR L55 TO J58829A-3,L54,AG OR L54,AH	ADD XM OPTION SD-65752-01 ADD XU OPTION SD-65752-01 REMOVE XT,XV OPTIONS SD-65752-01
J58829A-3,L54,AD OR L55,AE TO J58629A-3,L46,R OR L47,R	ADD XM OPTION SD-65752-01
J58829A-3,L40,G,K,M, OR L41,H,L,N	ADD XM OPTION SD-65752-01 ADD WM OPTION SD-65741-01 REMOVE WL,YR OPTIONS SD-65741-01
J58829A-3,L40,G,K OR L41,H,L TO J58829A,L2 OR L3	ADD WM OPTION SD-65741-01 REMOVE WL,YR OPTIONS SD-65741-01

(B) WHEN PLUG-IN CENTRAL OFFICE TRUNKS, J58829M, ARE ADDED TO THE VARIOUS VINTAGES OF 756A PBX, CERTAIN WIRING CHANGES MUST BE ADDED TO THE PLUGIN TRUNKS TO ENSURE PROPER CIRCUIT OPERATION. INDICATED BELOW IS A LISTING OF STANDARD SD OPTIONS REQUIRED TO ALLOW THE USE OF VARIOUS VINTAGES OF TRUNKS WITH VARIOUS VINTAGES OF SYSTEMS.

PLUG-IN CENTRAL OFFICE TRUNK	SYSTEM AND CHANGES
J58829M-2,L4,A (SD-ISS 17)	J58829A-4,L56,B L54,D L55,E L52,G,C L53,H,C OR LATER CHANGE NO. 5
J58829M-4,L4,A OR LATER (SD-ISS 34,36 OR LATER)	J58829A-3,L32-L35 CHANGE NO. 6
J58829M-4,L4 (SD-ISS 32,34)	J58829A-4,L52-L55 J58829A-3,L52-L55 NO CHANGE REQUIRED
	J58829A-3,L48-L51 L44-L47 L38-L41 L32-L35 CHANGE NUMBER 1
	J58829A1-A3,L1-L27 CHANGE NUMBER 1 NUMBER 4
J58829M-3,L4,B,C (SD-ISS 29,31)	J58829A-4,L52-L55 J58829A-3,L52-L55 CHANGE NUMBER 2 NUMBER 3
	J58829A-3,L48-L51 L44-L47 L38-L41 L32-L35 CHANGE NUMBER 1 NUMBER 2 NUMBER 3
	J58829A1-A3,L1-L27 CHANGE NUMBER 1 NUMBER 2 NUMBER 3 NUMBER 4
J58829M-3,L4,A OR J58829M-3,L4 (SD-ISS 28,30,31 OR ISS 27,30)	J58829A-4,L52-L55 A-3,L52-L55 CHANGE NUMBER 2
	J58829A-3,L48-L51 L44-L47 L38-L41 L32-L35 CHANGE NUMBER 1 NUMBER 2
	J58829A1-A3,L1-L27 CHANGE NUMBER 1 NUMBER 2 NUMBER 4

INFORMATION NOTES (CONT):

303. (B)(CONT)

(CONT) PLUG-IN CENTRAL OFFICE TRUNK	SYSTEM AND CHANGES
J58829M-2,L4,J OR J58829M-2,L4,G OR J58829M-2,L4,E (SD-ISS 21,23,24,25,26,27 OR ISS 21,23,24,25 OR ISS 21,23,24)	J58829A-3,L48-L51 L44-L47, L38-L41 L32-L35 CHANGE NUMBER 2
	J58829A1-A3,L1-L27 CHANGE NUMBER 2 NUMBER 4
J58829M-2,L4,D, WE (SD-ISS 17,20,21,24)	J58829A-3,L44-L47 L38-L41 L32-L35 CHANGE NUMBER 2
	J58829A1-A3,L1-L27 CHANGE NUMBER 2 NUMBER 4
J58829M-2,L4, B (SD-ISS 17,20)	J58829A-3,L32-L35 NO CHANGE REQUIRED
	J58829A1-A3,L1-L27 CHANGE NUMBER 4
J58829M-2,L4 OR J58829M-1,L4,E (SD-ISS 16 OR 15)	J58829A1-A3,L1-L27 NO CHANGE REQUIRED

CHANGE NO. 1 — ADD XH OPTION SD-65752-(

CHANGE NO. 2 — ADD XM OPTION SD-65752-01

CHANGE NO. 3 — ADD XU OPTION SD-65752-01
REMOVE XT, XV OPTIONS
SD-65752-01

CHANGE NO. 4 — ADD J58829M, LIST 7
(SHORTING PLUG FOR (C) CONN.)

CHANGE NO. 5 — REMOVE OPTION YA IN PLUG IN TRUNKS AND IF INDICATION OF CAMP-ON IS REQUIRED ADD OPTION YI.

CHANGE NO. 6 — REMOVE OPTION YA IN HARD WIRED TRUNKS AND IF INDICATION OF CAMP-ON IS REQUIRED ADD OPTION YI.

(C) 1. OPTION XM MUST BE PROVIDED ON TRUNKS MADE PER ISSUE 21B AND PRIOR TO ISSUE 34B.

2. WHEN TRUNKS ARE MADE PER ISSUE 29B AND PRIOR TO ISSUE 34B, OPTION XU MUST BE PROVIDED AND OPTIONS XT AND XV MUST BE REMOVED.

3. WHEN PLUG-IN TRUNKS (3,4,8 & 9) PER ISSUE 28B OR LATER ARE ADDED TO AN EXISTING PBX (LINE, LINK & MARKER CIRCUIT PER ISSUE 31D OR EARLIER) OPTIONS WL & YR MUST BE REMOVED AND OPTIONS WM MUST BE ADDED IN THE LINE, LINK, AND MARKER CIRCUIT (SD-65741-01).

SD-65752-01-03

ISSUE 40B DR

TWO-WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-D3

BELL TELEPHONE LABORATORIES INCORPORATED — SIZE 6S

SC 1
INCOMING CENTRAL OFFICE TRUNK CALL

CENT OFF. TRK SEIZED AT CENT. OFF. (SILENT INTERVAL)

H
CT
SR
TL (CDLS POS) LAMP STEADY
L (6 BUT. KEY TEL SET) LAMP STEADY
TRK BY LAMP (MB CKT)
GROUND ON LEAD TU(T-) TO TMS REMOTE SCANNER
RING SIGNAL FROM CENT. OFF.
R
(YE)
(YD)
RI
RI
A (608A SWBD AUX SIG, FA, BCO, & MISC CKT)
L (6 BUT. KEY TEL SET) LAMP 120 IPM
TL (CDLS POS) LAMP 120 IPM
AUD SIG TO ATND
GROUND ON LEAD TU(T-A) TO TMS REMOTE SCANNER
END OF RINGING CYCLE
R

SC 2
ATTENDANT ANSWERS INCOMING CALL SIGNAL
(PREVIOUS ACTION SHOWN IN SC 1)

PU (CDLS POS) KEY
ACA
(XM)
S
SI
AC
TLA
L (6 BUT. KEY TEL SET) LAMP STEADY
RI
H
(YE)
A (608A SWBD AUX SIG, FA, BCO & MISC CKT)
TL (CDLS POS) LAMP STEADY
GROUND REMOVED FROM LEAD TU(T-A) TO TMS REMOTE SCANNER
AUD SIG TO ATND SILENCED

SC 3
ATTENDANT DISCONNECTS
(PREVIOUS ACTION SHOWN IN SC 2)

RLS (CDLS POS) KEY
PU (CDLS POS) KEY
AC
ACA
S
SR
SI
H
(CENT. OFF STILL HOLDING TRUNK OFF NORMAL)

SC 4
CENTRAL OFFICE DISCONNECTS
(PREVIOUS ACTION SHOWN IN SC 3)

H
SR
CT
SR
SR
L (6 BUT. KEY TEL SET) LAMP
TL (CDLS POS) LAMP
TRK BY LAMP (MB CKT)
(XM)
TLA
GROUND RE-MOVED FROM LEAD TU(T-) TO TMS RE-MOTE SCANNER

SC 5
ATTENDANT PLACES HOLD ON INCOMING CENTRAL OFFICE TRUNK

(PREVIOUS ACTION SHOWN IN SC 2)

H (CDLS POS) KEY
H (CDLS POS)
(A)
TLA
HD
L (6 BUT. KEY TEL SET) LAMP 30 IPM
TL (CDLS POS) LAMP 30 IPM
SP (CDLS POS)
H (CDLS POS) KEY
SPA (CDLS POS)
H (CDLS POS)
TR- (MKR)
MKR ACTION
SMR- (MKR)
HM
THM- (MKR)
CROSS POINTS CLOSE
L (REG)
SR (REG)
SL
ON (REG)
HMK- (MKR)
DIAL TONE TO ATTENDANT
MARKER RELEASES

SC 6
ATTENDANT DIALS STATION
(PREVIOUS ACTION SHOWN IN SC 5)

L (REG)
PI (REG)
RA (REG)
REGISTER RESPONDS TO ATTENDANT DIAL
DC (REG)
COT (REG)
R- (MKR)
RP- (MKR)
RCT- (MKR)
RCA- (MKR)
RV (REG)
MKR ACTION
P
L (6 BUT. KEY TEL SET) LAMP STEADY
MC
P
TLA
RS
CALLED STATION LINE IDLE
L (6 BUT. KEY TEL SET) LAMP 30 IPM
FB (CDLS POS)
HD
TL (CDLS POS) LAMP STEADY
MKR AND REG RELEASE
SL
SL (CDLS POS) LAMP 30 IPM
MC
RINGING CURRENT APPLIED TO CALLED LINE

SC 7
ATTENDANT WAITS ON LINE UNTIL RINGING INDUCTION IS HEARD
(PREVIOUS ACTION SHOWN IN SC 6)

RLS (CDLS POS) KEY
PU (CDLS POS) KEY
AC
ACA
SP (CDLS POS)
SPA (CDLS POS)
FB (CDLS POS)
CENTRAL OFFICE TRUNK HEARS RINGING INDUCTION

SC 8
STATION ANSWERS
(PREVIOUS ACTION SHOWN IN SC 6 OR SC 7)

SWITCHHOOK
SO
RT
TRK BY INC LAMP (MB CKT)
SR
RS
L (6 BUT. KEY TEL SET) LAMP STEADY
SL (CDLS POS) LAMP STEADY
RINGING CUT-OFF
CALLED STATION CUT THRU TO ATTENDANT OR CENT OFFICE

ISSUE	
1	E.L. W.B.
8D	R.E. J.C.C.
16B	V.C. C.R.A. B.D.
17D	D.N.C. M.B.
19D	M.C.M. S.A.K. D.F.H.
21 B	C.E.D. S.A.N. G.F.H.
22D PM	R.D.E. P.J.S. B.B.P.
28B PM	P.J.S. J.D.L.
32B	
33D	

SD-65752-01-EI

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

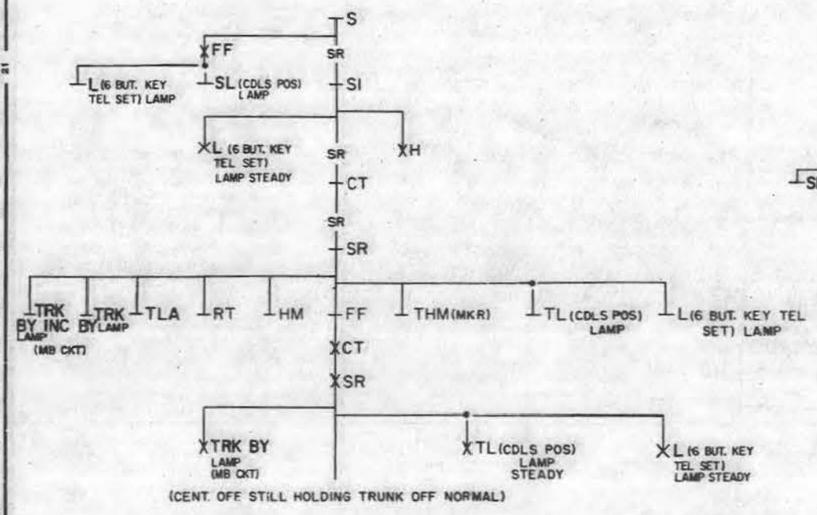
SD-65752-01-EI

BELL TELEPHONE LABORATORIES INCORPORATED

2 6S

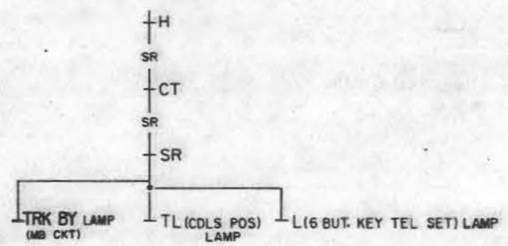
SC 9

CALLED STATION DISCONNECTS
(PREVIOUS ACTION SHOWN IN SC 8)



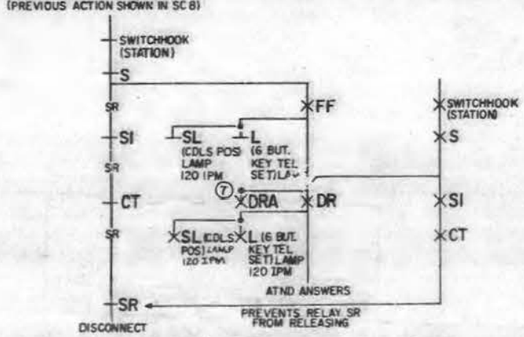
SC 10

CENTRAL OFFICE DISCONNECTS
(PREVIOUS ACTION SHOWN IN SC 9)



(ZW) SC 11

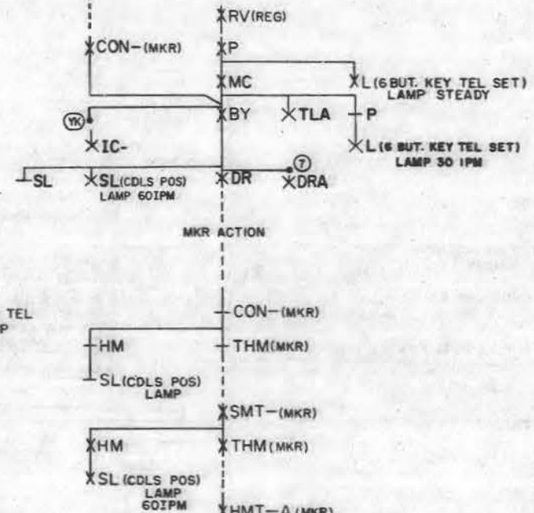
STATION RECALL ATTENDANT
(PREVIOUS ACTION SHOWN IN SC 8)



SC 12

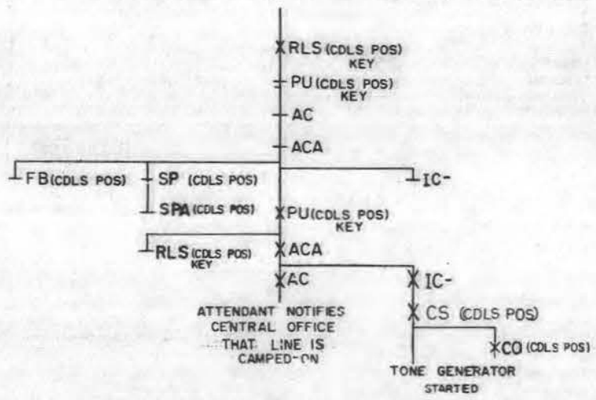
CENTRAL OFFICE TRUNK CAMPS-ON BUSY STATION

MKR AND REG ACTION INITIALLY AS IN SC 6



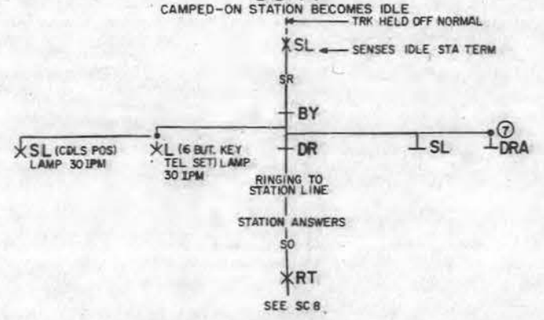
SC 13

ATTENDANT RECONNECTS TO CENTRAL OFFICE
AFTER RECEIVING CAMP-ON TONE INDICATION



SC 14

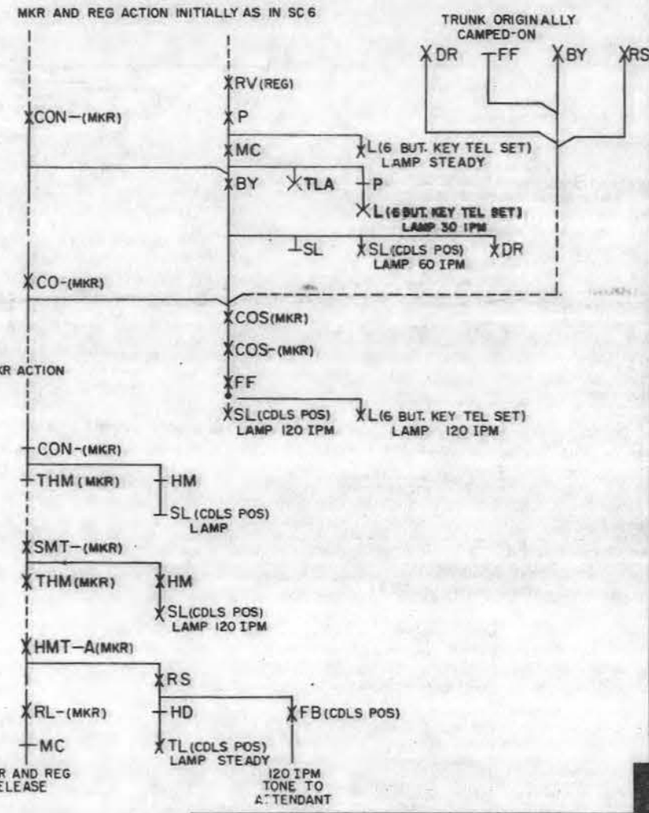
CAMPED-ON STATION BECOMES IDLE



SC 15

CENTRAL OFFICE TRUNK RECEIVES CAMP-ON BUSY

MKR AND REG ACTION INITIALLY AS IN SC 6



DRAWING ISSUE

1	
8D	
16B	
17D	
20AC	
21B	
22D PM	
28B .7#	
29B	

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

BELL TELEPHONE LABORATORIES INCORPORATED

(2) 6S

29

SD-65752-01-E2

SC 16

ATTENDANT DISCHARGES CAMP-ON OR CAMP-ON BUSY CONNECTION
(PREVIOUS ACTION AS IN SC 13 OR SC 15)

H (CDLS POS) KEY
H (CDLS POS)
SR
RS
CAMP-ON BUSY
SP (CDLS POS)
FB (CDLS POS)
H (CDLS POS) KEY
H (CDLS POS)
THM (MKR)
HM
IC-
SR
SL (CDLS POS) LAMP
BY
(7)
DRA
DR
ATND CONNECTED TO CENTRAL OFFICE
L (6 BUT. KEY TEL SET) LAMP 30 IPM

SC 17

INCOMING CENTRAL OFFICE TRUNK REQUESTS CONNECTION TO DIAL REPEATING OR DIAL TRANSMITTING TIE TRUNK
(PREVIOUS ACTION SHOWN IN SC 5)
ATTENDANT DIALS TIE TRUNK CODE

L (REG)
PI (REG)
RA (REG)
REG RESPONDS TO ATTENDANT DIALED TIE TRUNK CODE
DC (REG)
TR (REG)
TT (REG)
COT (REG)
R- (MKR)
RP- (MKR)
RCT- (MKR)
RCA (MKR)
RV (REG)
P
MC
MKR ACTION
THM (MKR)
TLA
L (6 BUT. KEY TEL SET) LAMP STEADY
L (6 BUT. KEY TEL SET) LAMP 30 IPM
TT
TL (CDLS POS) LAMP STEADY
SL (CDLS POS) LAMP 30 IPM
MKR AND REG RELEASE
DC (REG)
TR (REG)
TT (REG)
COT (REG)
R- (MKR)
RP- (MKR)
RCT- (MKR)
RCA (MKR)
RV (REG)
L (REG)
MC
CONNECTION TO TIE TRUNK COMPLETE, ATTENDANT DIALS OR MANUAL PBX ANSWERS, TIE TRUNK SUPERVISES
RV (TIE TRK)
P
SO
L (6 BUT. KEY TEL SET) LAMP STEADY
TRK BY INC LAMP (MB CKT)
RT
SL (CDLS POS) LAMP STEADY
CENTRAL OFFICE TRUNK CONNECTED TO ANSWERED TIE TRUNK

SC 18

ATTENDANT ORIGINATES CENTRAL OFFICE CALL

PU (CDLS POS) KEY
ACA
AC
S
SI
GROUND ON LEAD TU(T-) TO TIMS REMI SCANNER
TRK BY LAMP (MB CKT)
TL (CDLS POS) LAMP STEADY
L (6 BUT. KEY TEL SET) LAMP STEADY
GRD START TO CENT OFF OVER RING LEAD; CENT OFF RETURNS GRD OVER THE TIP LEAD
H
CT
DIAL TONE FROM CENTRAL OFFICE TO ATTENDANT
SR
H
ATTENDANT DIALS THRU TO CENTRAL OFFICE

SC 20

ATTENDANT REENTERS HELD CENTRAL OFFICE TRUNK
(PREVIOUS ACTION SHOWN IN SC 19)

PU (CDLS POS) KEY
ACA
AC
HD
L (6 BUT. KEY TEL SET LAMP STEADY
TL (CDLS POS) LAMP STEADY

SC 19

ATTENDANT HOLDS CENTRAL OFFICE TRUNK TO HANDLE OTHER TRAFFIC
(PREVIOUS ACTION SHOWN IN SC 18 OR SC 2)

H (CDLS POS) KEY
H (CDLS POS)
HD
SP (CDLS POS)
L (6 BUT. KEY TEL SET) LAMP 30 IPM
TL (CDLS POS) LAMP 30 IPM
H (CDLS POS) KEY
H (CDLS POS)
TR- (MKR)
MKR ACTION
SMR- (MKR)
HM
THM- (MKR)
CROSS POINTS CLOSE
L (REG)
SR (REG)
SL
ON (REG)
DIAL TONE TO ATTENDANT
ATTENDANT DISCONNECTS
RLS (CDLS POS) KEY
PU (CDLS POS) KEY
AC
ACA
L (REG)
SP (CDLS POS)
SR (REG)
SL
ON (REG)
HM
THM- (MKR)

8D	RX, JJ, VC, VCR, FD, BMB, DK, MOS
16B	XED, SAM, GEL, ROD, FJS, PHF
17D	BMM, RJS, LDJ, ROZ, PJS, LDJ
21B	380
22D	
28B	
29B	

SD-65752-01-E3

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

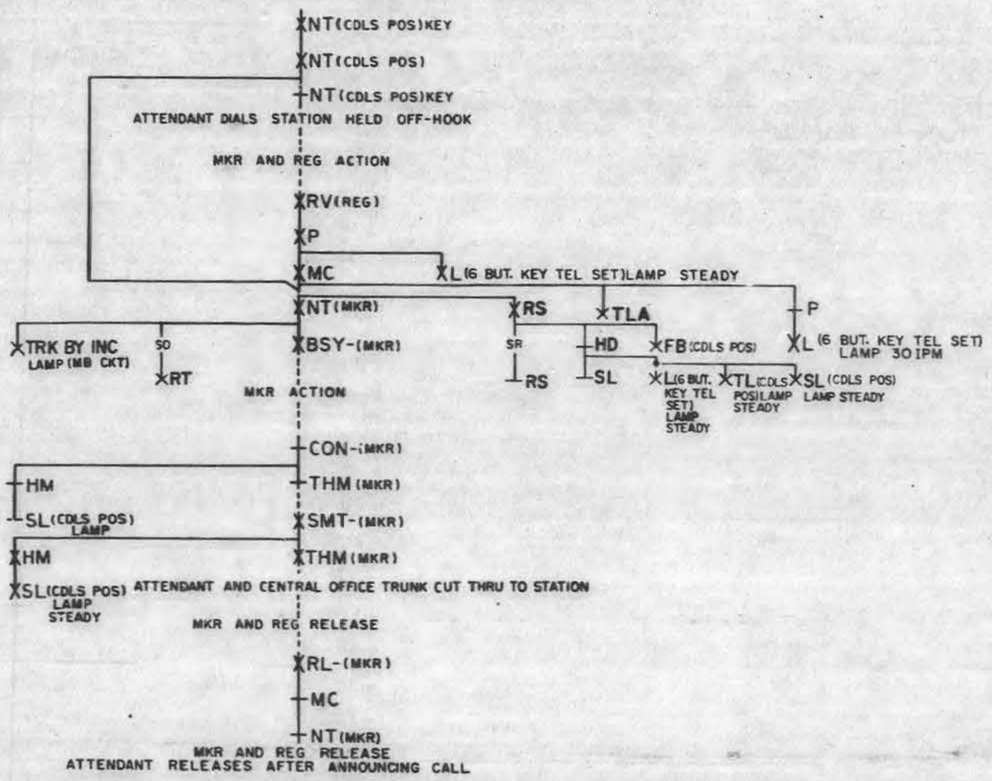
BELL TELEPHONE LABORATORIES INCORPORATED

6S

SD-65752-01-E3

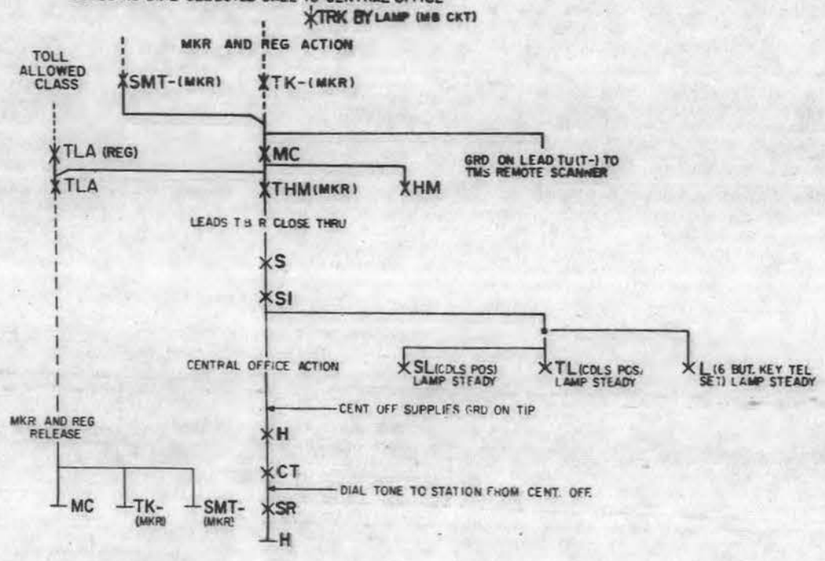
SC 21

ATTENDANT PLACES NO-TEST CALL TO RESTRICTED STATION
(PREVIOUS ACTION AS IN SC 5 EXCEPT ATTENDANT PLACES OUTGOING CENTRAL OFFICE CALL INITIALLY)



SC 22

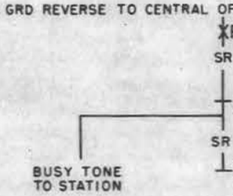
OUTGOING DIAL SELECTED CALL TO CENTRAL OFFICE



SC 23

TOLL DENIED STATION DIALS LD CODE
(PREVIOUS ACTION SHOWN IN SC 22
WITH TLA CLASS NORMAL)

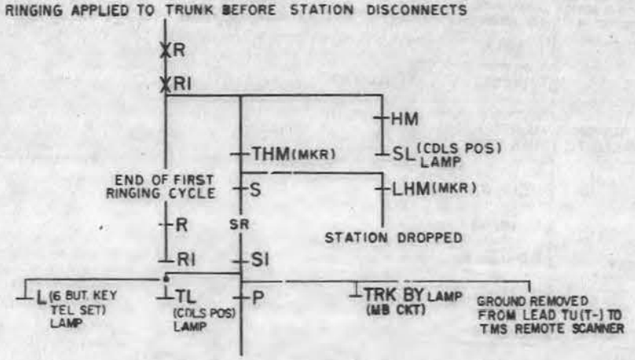
BAT & GRD REVERSE TO CENTRAL OFFICE TRUNK WHEN TOLL OPERATOR ANSWERS



SC 24

CENTRAL OFFICE TRUNK SEIZED AT CENTRAL OFFICE IMMEDIATELY AFTER TOLL DENIED STATION IS DIVERTED AT PBX
(PREVIOUS ACTION SHOWN IN SC 23)

CENTRAL OFFICE RINGING APPLIED TO TRUNK BEFORE STATION DISCONNECTS



CENTRAL OFFICE TRUNK RESTORED TO NORMAL
(SUBSEQUENT ACTION AS IN SC 1)

SC 25

TOLL ALLOWED STATION DIALS LD CODE
(PREVIOUS ACTION SHOWN IN SC 22
WITH TLA CLASS OPERATED)

BAT. & GRD REVERSE FROM TOLL TRUNK AFTER LD OPERATOR ANSWERS
OPERATOR RECEIVES INFORMATION FROM STATION

DRAWING ISSUE	
1	
8D	
16B	
21 B	
22D	
28B	
33D	

33

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

BELL TELEPHONE LABORATORIES INCORPORATED

2

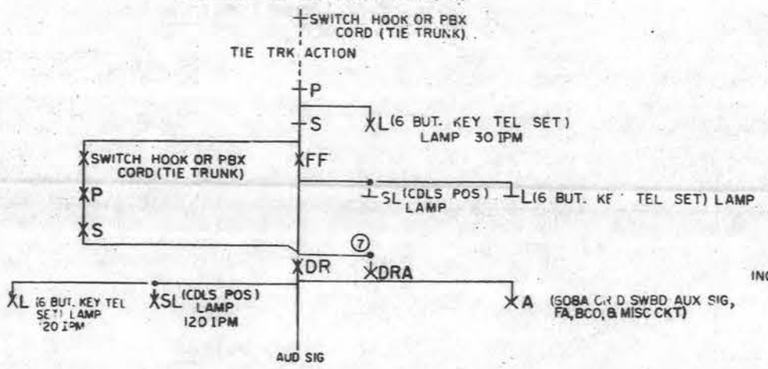
6S

SD-65752-01-E4

SD-65752-01-E4

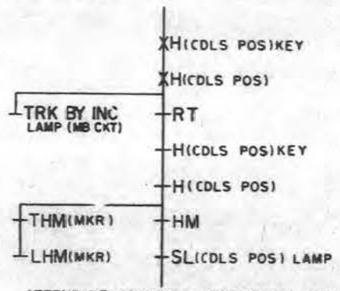
SC 26

RECALL FROM DIAL REPEATING OR DIAL TRANSMITTING TIE TRUNK
(PREVIOUS ACTION SHOWN IN SC 17)



SC 27

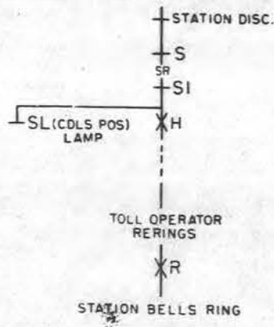
ATTENDANT DISCONNECTS NO-TEST CALL
(PREVIOUS ACTION AS IN SC 21 EXCEPT
ATTENDANT OPERATES H KEY INSTEAD OF RELEASING)



ATTENDANT CONNECTED TO CENTRAL OFFICE
SUBSEQUENT ACTION SHOWN IN SC 5
EXCEPT THAT TLA WAS PREVIOUSLY
OPERATED

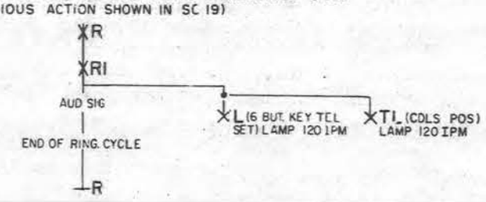
SC 28

TOLL OPERATOR RERINGS ON TOLL ALLOWED STATION CALL
THAT HAS DISCONNECTED
(PREVIOUS ACTION AS IN SC 22)



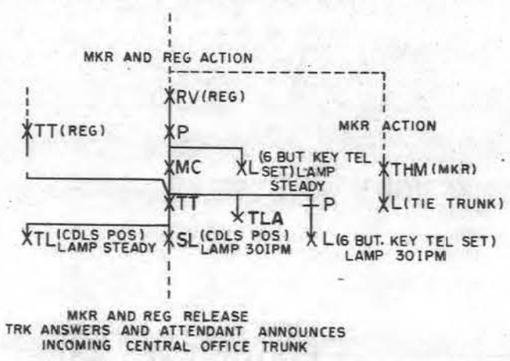
SC 29

TOLL OPERATOR RERINGS ON ATTENDANT ORIGINATED CALL
(PREVIOUS ACTION SHOWN IN SC 19)



SC 30

INCOMING CENTRAL OFFICE TRUNK REQUESTS RING DOWN TIE TRUNK CONNECTION
(PREVIOUS ACTION SHOWN IN SC 5)
ATTENDANT DIALS TIE TRUNK CODE

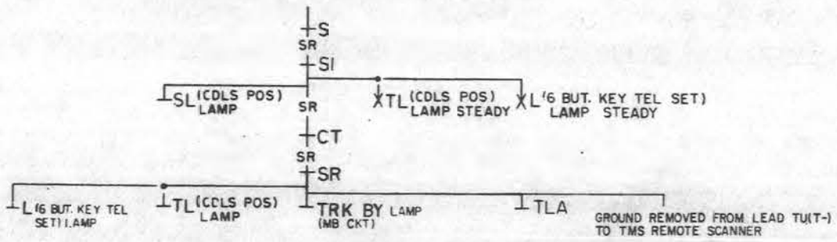


SC 31

DIAL REPEATING DIAL TRANSMITTING OR RING DOWN
TIE TRUNK ORIGINATES CENTRAL OFFICE CALL
(ACTION SAME AS IN SC 22)

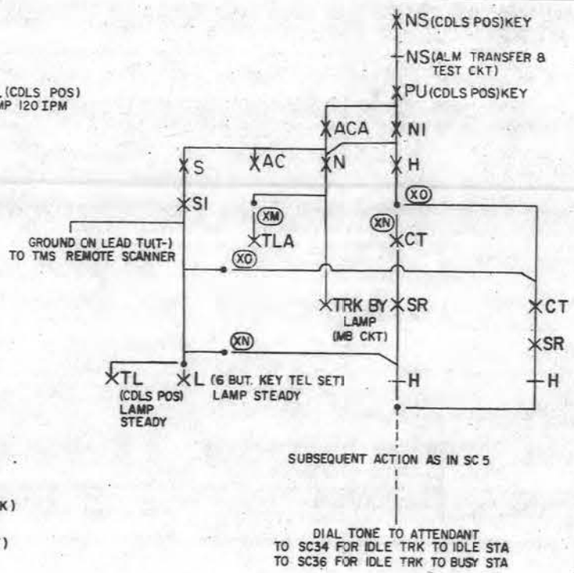
SC 32

STATION DISCONNECTS AFTER DIALING CENTRAL OFFICE
(PREVIOUS ACTION SHOWN IN SC 22)



SC 33

FLEXIBLE NIGHT CONNECTION



DRAWING ISSUE

1	
7B	
8D	
16B	
17D	
19D	
21B	
22D	
28B	
29B	
32B	
33D	

SD-65752-01-E5

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TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2) SD-65752-01-E5

BELL TELEPHONE LABORATORIES INCORPORATED 6S

SC 34

FLEXIBLE NIGHT CONNECTION
IDLE TRUNK TO IDLE STATION
ATTENDANT DIALS STATION

L(REG)
PI(REG) RA(REG)
REGISTER RESPONDS TO ATTENDANT DIAL
COT (REG) DC(REG)
R-(MKR)
RP-(MKR)
RCT-(MKR)
RCA(MKR)
RV(REG)
P
MKR ACTION
L (6 BUT. KEY TEL SET) LAMP STEADY
MC
P
TLA
L (6 BUT. KEY TEL SET) LAMP 30IPM
TL (CDLS POS) LAMP STEADY
RS
HD FB(CDLS POS)
SL
SL (CDLS POS) LAMP 30 IPM
MKR AND REG RELEASE
MC
RLS (CDLS POS) KEY
PU (CDLS POS) KEY
AC
ACA
SP (CDLS POS) FB (CDLS POS)
SR
RS
S
SR
SI
NI SR SL (CDLS POS) LAMP
CT
SR
SR
GROUND REMOVED FROM LEAD TU(T-) TO TMS REMOTE SCANNER
TRUNK NIGHT CONNECTION TO STATION
TL (CDLS POS) LAMP
L (6 BUT. KEY TEL SET) LAMP

SC 35 (MFR DISC)

FLEXIBLE NIGHT CONNECTION
INCOMING CALL TO NIGHT CONNECTED TRUNK

CENT. OFF. TRK SEIZED AT CENT. OFF. (SILENT INTERVAL)
H
CT
SR
L (6 BUT. KEY TEL SET) LAMP STEADY
INT (ALM) TL (CDLS POS) LAMP STEADY
GROUND ON LEAD TU(T-) TO TMS REMOTE SCANNER
RING SIGNAL FROM CENT. OFF.
R
CENT. OFF RING SIGNAL RINGS STATION
CENT. OFF. TRK SEIZED AT CENT. OFF. (RINGING INTERVAL)
R
CT
SR
CENT. OFF RING SIGNAL RINGS STATION
GROUND ON LEAD TU(T-) TO TMS REMOTE SCANNER
L (6 BUT. KEY TEL SET) LAMP STEADY
INT (ALM) TL (CDLS POS) LAMP STEADY
STATION ANSWERS
S
SI R (IF R IS IN RING CYCLE)
SL (CDLS POS) LAMP STEADY
STATION RELEASES
S
SR
SI
SL (CDLS POS) LAMP
CENT OFF RELEASES
H
SR
CT
SR
SR
GROUND REMOVED FROM LEAD TU(T-) TO TMS REMOTE SCANNER
TL (CDLS POS) LAMP
L (6 BUT KEY TEL SET) LAMP

SC 36

FLEXIBLE NIGHT CONNECTION
IDLE TRUNK TO BUSY STATION
ATTENDANT DIALS STATION

L(REG)
RA(REG)
REGISTER RESPONDS TO ATTENDANT DIAL
DC(REG) COT(REG)
R-(MKR)
RP-(MKR)
RCT-(MKR)
RCA (MKR)
CON-(MKR) RV(REG)
P
MC L (6 BUT. KEY TEL SET) LAMP STEADY
BY TLA P
SL SL (CDLS POS) LAMP 60IPM DR DRA L (6 BUT. KEY TEL SET) LAMP 30 IPM
MKR ACTION
CON-(MKR)
HM THM (MKR)
SL (CDLS POS) LAMP
SMT-(MKR)
THM (MKR) HM
SL (CDLS POS) LAMP 60IPM
HMT-A (MKR)
RLS- (MKR) RS
MC HD FB (CDLS POS)
MKR AND REG RELEASE
L (6 BUT. KEY TEL SET) LAMP 60 IPM
TL (CDLS POS) LAMP STEADY
BUSY TONE TO ATTENDANT
RLS (CDLS POS) KEY
PU (CDLS POS) KEY
AC
ACA
FB (CDLS POS) SP (CDLS POS)
BUSY STATION RELEASES
SL
SR
BY
L (6 BUT. KEY TEL SET) LAMP 30 IPM
SL (CDLS POS) LAMP 30 IPM
DR SL DRA
SR
RS
S
SR
SI
SR
L (6 BUT. KEY TEL SET) LAMP
SL (CDLS POS) LAMP
CT NI
SR
SR
TL (CDLS POS) LAMP
GROUND REMOVED FROM TU(T-) TO TMS REMOTE SCANNER

SC 37

FLEXIBLE NIGHT CONNECTION
OUTGOING CALL FROM A STATION ON NIGHT CONNECTION

HM TLA N TRK BY LAMP (MB CKT)
STATION GOES OFF HOOK
S
SI
GROUND ON LEAD TU(T-) TO TMS REMOTE SCANNER
TL (CDLS POS) LAMP STEADY
SL (CDLS POS) LAMP STEADY
L (6 BUT. KEY TEL SET) LAMP STEADY
CENT. OFF. DIAL TONE RETURNED
H
CT
SR
H
CENT. OFF. DIAL TONE HEARD
STATION RELEASES
S
SR
SI
SR
SL (CDLS POS)
CT
SR
SR
GROUND REMOVED FROM LEAD TU(T-) TO TMS REMOTE SCANNER
L (6 BUT KEY TEL SET) LAMP
TL (CDLS POS) LAMP

DRAWING ISSUE		
7B	##T	
	#S	H
16B	VC	
	CYA	
	PJS	
21B	CEC	
	SAK	
	GFH	
22D	ROZ	
	PJS	
	RHP	
28B	SWM	
	PJS	
	LDJ	
29B	ROZ	
	PJS	
	LDJ	
32B		
33D		

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-E6

BELL TELEPHONE LABORATORIES INCORPORATED

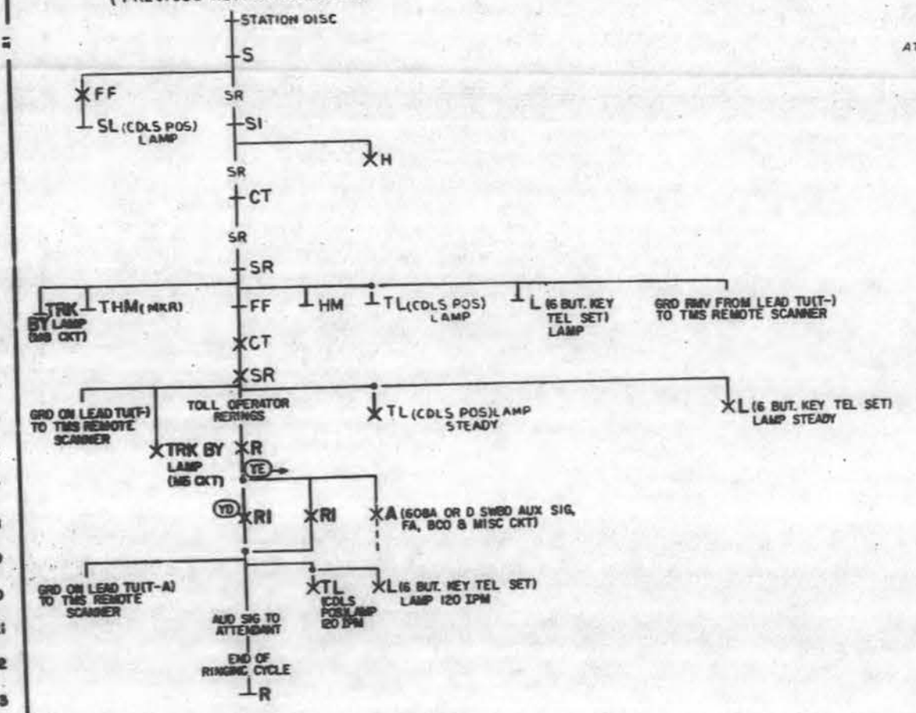
SIZE 6S

33

SD-65752-01-E6

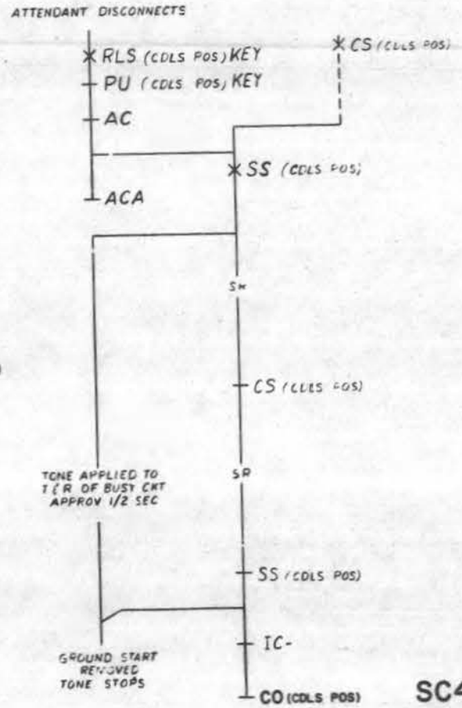
SC 38

TOLL OPERATOR RERINGS ON TOLL DENIED OR RESTRICTED STATION CONNECTED BY THE ATTENDANT (PREVIOUS ACTION AS IN SC 21)



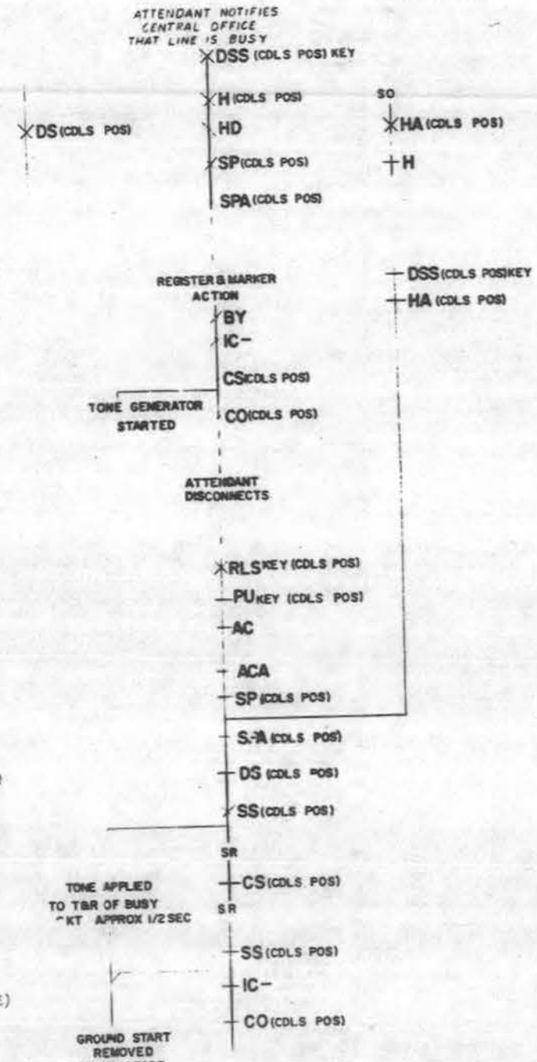
SC 40

INDICATION OF CAMPED-ON CALL TO BUSY LINE (PREVIOUS ACTION SHOWN IN SC13)



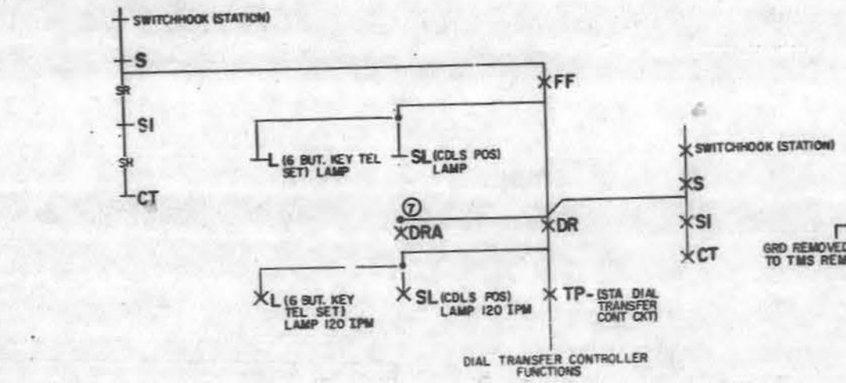
SC 41

INDICATION OF CAMPED-ON CALL TO BUSY LINE USING DSS (PREVIOUS ACTION SHOWN IN SC 2)



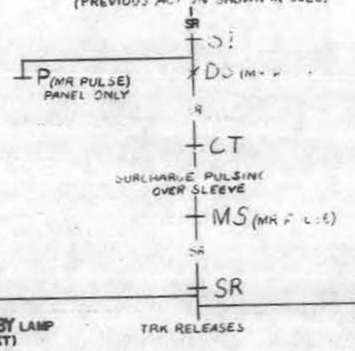
SC 39

STATION DIAL TRANSFER (PREVIOUS ACTION SHOWN IN SC 8)



SC42

MESSAGE REGISTER SURCHARGING (PREVIOUS ACTION SHOWN IN SC22)



SD-65752-01-E7

33

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE (2) SD-65752-01-E7

BELL TELEPHONE LABORATORIES INCORPORATED 6S

ⓧSC 43

FLEXIBLE NIGHT CONNECTION
INCOMING CALL TO NIGHT CONNECTED TRUNK

CENT. OFF. TRK SEIZED AT CENT. OFF.
(SILENT INTERVAL)

H

RNG SIGNAL
FROM CENT. OFF.

R

RS

PBX RNG SIGNAL
RINGS STATION

SL (CDLS POS)
LAMP

CENT. OFF. TRK SEIZED AT CENT. OFF.
(RINGING INTERVAL)

R

SL (CDLS POS)
LAMP

PBX RNG SIGNAL
RINGS STATION

STATION ANSWERS

DURING SILENT INTERVAL

S

SI

GROUND ON LEAD TU(T-)
TO TMS REMOTE SCANNER

SL (CDLS POS)
LAMP STEADY

CT

L (6 BUT. KEY
TEL. SET)
LAMP STEADY

SR

DURING RINGING INTERVAL

RT

RS

RT

S

SI

GROUND ON LEAD TU(T-)
TO TMS REMOTE SCANNER

SL (CDLS POS)
LAMP STEADY

CT

L (6 BUT. KEY
TEL. SET)
LAMP STEADY

SR

STATION RELEASES

S

SR

SI

SR

SL (CDLS POS)
LAMP

CT

SR

SR

GROUND REMOVED FROM
LEAD TU(T-) TO TMS
REMOTE SCANNER

TL (CDLS POS)
LAMP

L (6 BUT. KEY
TEL. SET)
LAMP

CENT. OFF. RELEASES

H

TWO WAY TRUNK CIRCUIT
TO CENTRAL OFFICE

SD-65752-01-E8

BELL TELEPHONE LABORATORIES
INCORPORATED

6S

SD-65752-01-E8

CIRCUIT REQUIREMENTS

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT	APPARATUS FIG.	MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM. TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	TEST CLIP DATA CONN BAT.	TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA	REMARKS
RELAYS																	
AC	AF139		1	256					U(AC)	GRD			O		8.3	7.9	
									U(AC)	GRD			H		4.8	4.5	
ACA	AJ202		1	500			10(HM)	L(ACA)	U(ACA)	B/G			O		42.5	40.5	
BY	AG33	P	1	305B					U(BY)	GRD			O	FS	14.7	14	
													H	FS	2.5	2.3	
													R	FS	1.3	1.5	
BY	F51895	Q	1	309B					U(BY)	GRD			O	FS	14.7	14	
													H	FS	2.5	2.3	
													R	FS	1.3	1.5	
CT	AG16		1	233B					U(CT)	GRD			O	FS	17.5	16.5	
DR	1/2AK8		1	204					1U(DR)	GRD			O		9.2	8.7	MOUNTED WITH (R1)
DRA	MA6C		7	100					U(DRA)	GRD			O		11.6	11	
FF	AJ15		1	249					U(FF)	GRD			O		42.5	40.5	
H	S534		1			SPL	2(S1)	RB1(H)	2RT(H)	B/G	2	P	O	FS	3.3	3.1	
							2(S1)	RB1(H)	2RT(H)	B/G		P	NO	FS	2.4	2.6	
							2(S1)	RB1(H)	2RT(H)	B/G		P	R	FS	2.2	2.3	
							(S1)NO	1LT(H)	2RT(H)	B/G		P/S	O		1.7		
							(S1)NO	1LT(H)	2RT(H)	B/G		P/S	R		1		
HD	AJ15		1	249					U(FF)	GRD			O		42.5	40.5	
HM	AF100		1	252			6(HM)		U(HM)	GRD			O		41.5	39.5	
IC 0,2,4, 6,	1/2AK4		6	202					1L(IC-)	GRD	3		O		11.9	11.3	MOUNTED WITH(IC1,3,5,7,9)
IC 1,3,5, 7,9	1/2AK4		6	202					1U(IC-)	GRD	3		O		11.9	11.3	MOUNTED WITH(IC0,2,4,6,8)
MC	AJ56		1	413			4(MC)		U(MC)	GRD			O		57.5	54.5	

CIRCUIT REQUIREMENTS

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT	APPARATUS FIG.	MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM. TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	TEST CLIP DATA CONN BAT.	TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	TEST FOR	AFTER SOAK MA	TEST MA	READJ MA	REMARKS
N	1/2AK7		1	203					1L(N)	GRD			O		27	25.5	MOUNTED WITH (N1)
N	AJ3	X0	1	226					U(N)	GRD			O		18	17	
N1	1/2AK7		1	203					1U(N1)	GRD			O		27	25.5	MOUNTED WITH (N)
N1	AJ3	X0	1	226					U(N1)	GRD			O		18	17	
P	AJ28		1	257					2U(P)	GRD		S	O		12.4	11.8	
									2U(P)	GRD		S	R		1.9	2	WDG ALONE & WDG WITH
							(AC)O	1L(P)	1U(P)	B/G		P	O		23.5	22	VARISTOR SHUNT
							(AC)O	1L(P)	1U(P)	B/G		P	NO		11.1	11.6	
R	AJ48		1	3			2B(S1)	2U(P)	2L(P)	B/G	1	S	O		5.4	5.1	WDG ALONE & WDG WITH VARISTOR SHUNT
R1	1/2AK8		1	204					1L(R1)	GRD			O		17	16	MOUNTED WITH (DR)
RC	AJ3	Z6	1	226			5B(PT)		U(RC)	GRD			O		18	17	
RS	AJ15	7H	1	249			5B(PT)		U(RS)	GRD			O		42.5	40.5	
RS	AJ53	XB	1	249B			5B(RT)		1U(RS)	GRD		P	O	FS	65	62	
							5B(RT)		1U(RS)	GRD		P	H	FS	12	11.4	
							5B(RT)		1U(RS)	GRD		P	R	FS	5.9	6.6	
							5B(RT)	2L(RS)	1U(RS)	B/G		S	O	FS	85	80	
RT	AJ58		1	308			7(MC)	1L(PT)	1U(RT)	B/G		P	O		28	26.5	EM CONTACTS NEED ONLY MAKE
							7(MC)	1L(RT)	1U(RT)	B/G		P	O		29.5	28	
							7(MC)	1L(PT)	1U(PT)	B/G		P	NO		20	21.5	
							(AC)O		2U(RT)	GRD		S	O		19		

TEST NOTES:

1. ARMATURE BACK TENSION TEST MIN 15 GRAMS READJ MIN 20 GRAMS.
2. ARM. TRVL 40±1; ARM. BASE GAP SPL 30±2.
3. CONNECT TEST CLIP TO RELAY BEING TESTED.

DRAWING ISSUE

THIS SH HW
& SH F2
SUPER-
SEDES
SH F1
ISS 29B

32B

32

TWO WAY TRUNK CIRCUIT
TO CENTRAL OFFICE

SD-65752-01-F1

BELL TELEPHONE LABORATORIES
INCORPORATED

SIZE 6S

SD-65752-01-F1

CIRCUIT REQUIREMENTS

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT	APPARATUS FIG.	MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM. TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	CIRCUIT PREPARATION TEST CLIP DATA CONN BAT.	CIRCUIT PREPARATION TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	DIRECT CURRENT FLOW REQT TEST FOR	DIRECT CURRENT FLOW REQT AFTER SOAK MA	DIRECT CURRENT FLOW REQT TEST MA	DIRECT CURRENT FLOW REQT READJ MA	REMARKS
RELAYS																	
S	B1139		1	14		30		1M(S)	2M(S)	B/G			O		6.9	6.6	
								1M(S)	2M(S)	B/G			R		3	3.2	
S1	AG34	KN	1	3078					U(S1)	GRD			O	FS	18	17	
									U(S1)	GRD			H	FS	3	2.8	
									U(S1)	GRD			R	FS	1.5	1.8	
S1	AG61	XD	1	3439					U(S1)	GRD			O	FS	18	17	
									U(S1)	GRD			H	FS	3.7	3.5	
									U(S1)	GRD			R	FS	1.9	2.1	
SEQ,2,4,6,8	1/2AK4		2	202					1L REL TST	GRD			O		11.9	11.3	MTD WITH (SE1,3,5,7,9) RESP
SE1,3,5,7,9	1/2AK4		2	202					1U REL TST	GRD			O		11.9	11.3	MTD WITH (SEQ,2,4,6,8) RESP
SL	1/2AK9	M	1	5					1L(SL)	GRD			O		25.5	24	MOUNTED WITH (TLA)
									1L(SL)	GRD			NO		11.8	12.5	
SL	1/2 F51877	M	1	6					1U(SL)	GRD			O		25.5	24	MOUNTED WITH (TLA)
									1U(SL)	GRD			NO		11.8	12.5	
SR	AG34		1	3078					U(SR)	GRD			O	FS	18	17	
									U(SR)	GRD			H	FS	3	2.8	
									U(SR)	GRD			R	FS	1.5	1.8	
TLA	1/2AK9	M	1	5					2U(TLA)	GRD			O		7.7	7.3	MOUNTED WITH (SL)
TLA	1/2 F51877	N	1	6					1L(TLA)	GR			O		7.7	7.3	MOUNTED WITH (SL)
TT	AJ12		1	220			1M(TT)		U(TT)	GRD			O		42.5	40.5	

CIRCUIT REQUIREMENTS

APPARATUS DESIG	APPARATUS CODE	APPARATUS OPT	APPARATUS FIG.	MECH REQT BSP FIG.	MECH REQT CONT PRES	MECH REQT ARM. TRVL.	CIRCUIT PREPARATION BLOCK OR INSULATE	CIRCUIT PREPARATION TEST CLIP DATA CONN BAT.	CIRCUIT PREPARATION TEST CLIP DATA CONN GRD	TEST SET PREP	SEE TEST NOTE	DIRECT CURRENT FLOW REQT TEST WDG	DIRECT CURRENT FLOW REQT TEST FOR	DIRECT CURRENT FLOW REQT AFTER SOAK MA	DIRECT CURRENT FLOW REQT TEST MA	DIRECT CURRENT FLOW REQT READJ MA	REMARKS

DRAWING ISSUE

THIS SH B SH F1 SUPERSEDES SH F1 ISS 29B

32B

HW

SD-65752-01-F2

32

TWO WAY TRUNK CIRCUIT TO CENTRAL OFFICE

SD-65752-01-F2

BELL TELEPHONE LABORATORIES INCORPORATED

SIZE 6S

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