

CIRCUIT NOTES:

- (MFR DISC.)
SEE NOTE 103
- (MFR DISC.)
SEE NOTE 104
- (MFR DISC.)
SEE NOTE 105
- (MFR DISC.)
SEE NOTE 110
- (MFR DISC.)
SEE NOTE 111
101. PROVIDE ONE 1-1/3 AMP FUSE EACH FOR BAT. A AND BAT. B FROM 48V SIG BAT. FOR EACH 10 CIRCUITS.
 102. FURNISH Y OPTION WHEN THIS CKT CONNECTS WITH VACANT TOLL SELECTOR LEVELS ASSOCIATED WITH FOUR WIRE TOLL SWITCHING TRUNK. OTHERWISE FURNISH X OPTION.
 103. PROVIDE ONE 1-1/3 AMP FUSE FOR BAT. B FROM 48V SIG BAT. FOR EACH 10 CIRCUITS. PROVIDE ONE 1-1/3 AMP FUSE FOR BAT. A FROM 48V SIG BAT. EACH 21 CIRCUITS AND THE ONE OR TWO GROUP RELAYS WHICH MAY BE ASSOCIATED WITH THESE CIRCUITS.
 104. FURNISH X OPTION FOR CONNECTOR MULTIPLE AND TOLL TRANSMISSION SELECTOR MULTIPLE. ALSO FURNISH X OPTION FOR TOLL INTERMEDIATE SELECTOR MULTIPLE WHERE ALL CALLS ARE ROUTED THRU A TOLL TRANSMISSION SELECTOR. OTHERWISE FURNISH Y OPTION.
 105. THE USE OF Y OPTION IS RATED MFR DISC., SUPERSEDED BY X OPTION ON ISS 9D.
 106. THE T AND R LEADS SHALL BE REVERSED FOR MACHINE INTERCEPT.
 107. USE V AND X OPTIONS WHEN AUTOMATIC DISCONNECT OF CONNECTORS IS REQUIRED, OTHERWISE USE W AND X OPTIONS.
 108. WHEN AUTOMATIC DISCONNECT OF CONNECTORS IS SPECIFIED, PROVIDE FIG. 2 AND S OPTION IF OFFICE IS EQUIPPED WITH PLUGGING UP LINE CIRCUITS. PROVIDE T OPTION IF PLUGGING UP LINE CIRCUITS ARE NOT FURNISHED.

RECORD OF FIGURES, WIRING, AND APPARATUS CHANGES					
CHANGED ON ISS	IF JCB RECORDS DO NOT SPECIFY	THIS OPTION WAS FURN	SEE NOTE	USE IN CIRCUIT	
				STD	APP OR WIRING
12D	FIG. 2		108		FIG. 2
12D	S, T, V, W	T&W	107, 108	W	S, T&V
13D			108	S, T&V	
13D			107, 108 B III	FIG. 2	
14D			110	FIG. 3	
14D	Q OR N	V&S OR T	110	Q, N	V, S, T
15D	FIG. 4	FIG. 3 Q, N OR NCNE	112	FIG. 4	FIG. 3 Q, N

- (MFR DISC.)
SEE NOTE 112
110. PROVIDE FIG. 3 AND OPTIONS Q, W, AND X WHEN AUTOMATIC DISCONNECT OF CONNECTORS IS REQUIRED AND TWO OR MORE INTERCEPT TRUNKS OR AN INTERCEPT TRUNK AND ONE OR MORE TRUNKS ARRANGED TO TRIP RINGING WITHOUT CHARGING ARE FURNISHED IN THE SAME CONNECTOR GROUP. PROVIDE FIG. 3 AND OPTIONS N, W, AND X WHEN ONLY ONE INTERCEPT TRUNK IS PROVIDED PER CONNECTOR GROUP AND NO TRUNK ARRANGED TO TRIP RINGING WITHOUT CHARGING IS PROVIDED IN THE SAME GROUP. PROVIDE OPTIONS W AND X WHEN THE AUTOMATIC DISCONNECT TIMING FEATURE IS NOT REQUIRED.
 111. PROVIDE FIG. 2 WHEN AUTOMATIC DISCONNECT OF CONNECTORS IS REQUIRED AND OFFICE IS EQUIPPED WITH PLUGGING UP LINE CIRCUITS.
 112. PROVIDE FIG. 4 AND OPTIONS W AND X WHEN CONNECTORS HAVING DIRECT ACCESS TO THIS TRUNK CIRCUIT ARE ARRANGED FOR AUTOMATIC DISCONNECT ON CALLING PARTY HOLDS. PROVIDE OPTIONS W AND X WHEN CONNECTORS HAVING DIRECT ACCESS TO THIS TRUNK CIRCUIT ARE NOT ARRANGED FOR AUTOMATIC DISCONNECT.

FIGURES AND OPTIONS ON THIS CHG	
CKT FIG.	APP OR WIRING
1	
2	T
3	X
4	W
	V
	T
	S
	Q
	N

TO FIG. 1

FIG. 4

TO ALL OTHER INCPRT TRUNKS & TRUNKS ARRANGED TO TRIP RINGING WITHOUT CHARGING SERVING SAME CONNECTOR GROUP

TO SW TROUBLE ALM CKT OR MISC ALM CKT

INFORMATION NOTES:

301. UNLESS OTHERWISE SPECIFIED: RESISTANCE VALUES ARE IN OHMS, CAPACITANCE VALUES ARE IN MICROFARADS.

TO ALL OTHER INCPRT TRUNKS & TRUNKS ARRANGED TO TRIP RINGING WITHOUT CHARGING SERVING SAME CONNECTOR GROUP

TO SW TROUBLE ALM CKT OR MISC ALM CKT

FIG. 1

FROM TOLL TRANSMISSION OR TOLL INTERMEDIATE SEL MULT OR AUX INCPRT TRK CKT FOR 3 PARTY TPL CONN MULT (MFR DISC.) OR FROM CONN MULT SEE NOTES 105 & 106

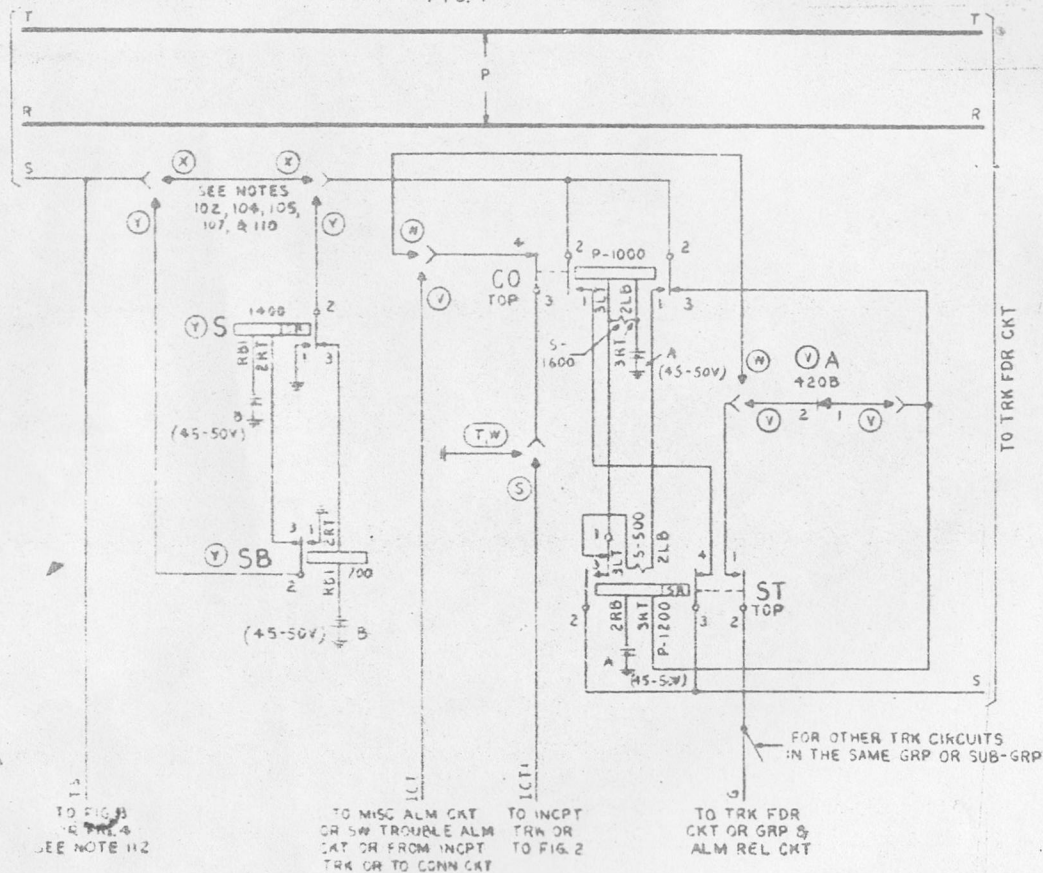


FIG. 3 (MFR DISC.)

TO FIG. 1 OR TO MISC ALM CKT OR SW TROUBLE ALM CKT

A 218A

FIG. 2

(1 PER CONN HUNDREDS GROUP FOR 100 PT CONN)
(1 PER CONN SHELF FOR 200 PT CONN)

NOTICE

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

J33016L
J33016AN
J33016AM
J32008E
ED-32152-01
ED-31144-01
ED-30622-01
ED-30621-01
EQUIPMENT INFO

ISSUE

16D

REPLACED BY SD-31768-01 FOR USE WITH TOLL SEL MULT

1099

STEP-BY-STEP SYSTEMS

NO. 1 350A OR 355A
INTERCEPTING TRUNK CIRCUIT

FROM CONNECTOR OR TOLL TRAIN
SELECTOR MULTIPLE OR FROM
AUXILIARY INTERCEPTING TRUNK FOR
3 PARTY TPL CONNECTOR MULTIPLE

(CONN MULT)

BELL TELEPHONE LABORATORIES

6S

SD-31337-01-1

3 SHEETS

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FIG. 1 (MFR DISC.)
CROSS CONNECTIONS FOR
TOLL SEL INCT

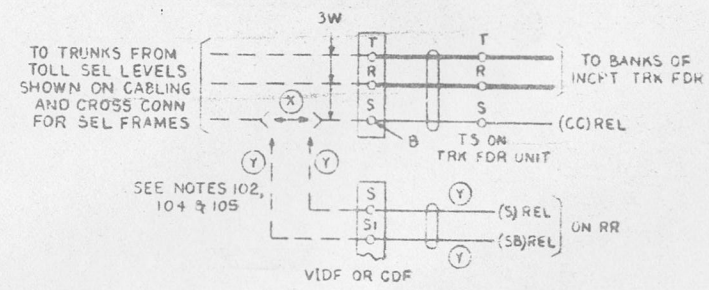


FIG. 51 (MFR DISC.)
CROSS CONNECTIONS FOR CONN INCT WHEN
(CO) AND (ST) RELAYS ARE NOT LOCATED ON TRK
FOR UNIT

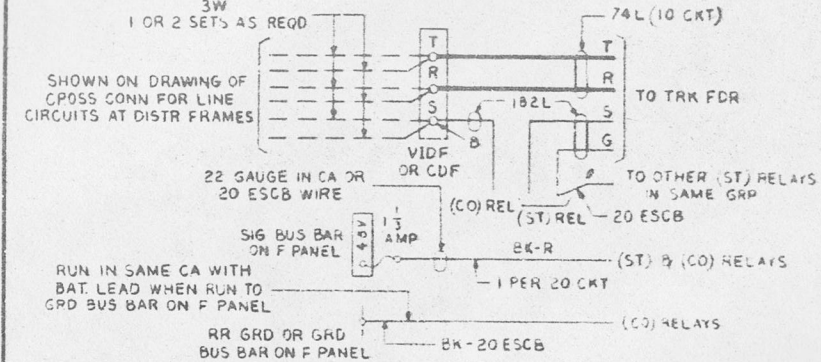


FIG. 52 (MFR DISC.)
CROSS CONNECTIONS WHEN (CO)
AND (ST) RELAYS ARE LOCATED
ON TRK FOR UNIT
SEE NOTE 201

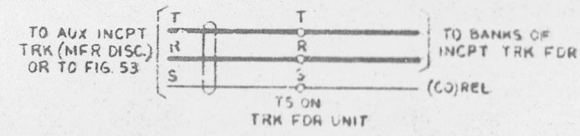
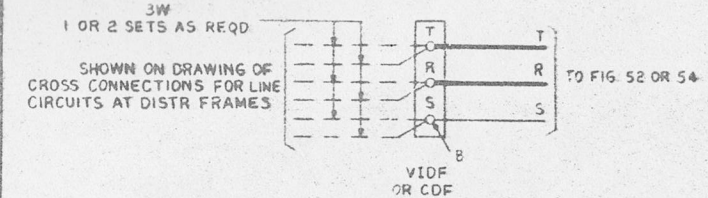


FIG. 53 (MFR DISC.)
INCT AT CONN MULT
SEE NOTE 201



EQUIPMENT NOTES:

201. AS OF ISS 110, FIG. 52 IS MFR DISC. AND FIG. 53 IS MFR DISC. FOR USE WITH 100PT AND 200PT TRK FINDERS, REPLACED BY CORRESPONDING INFORMATION ON 200PT TRK FINDER CKT SD-33013-01.
202. PRIOR TO ISS 130, T AND W OPTIONS WERE NOT SPECIFIED.
203. ON ISS 140 REFERENCE TO T OPTION IS REMOVED.
204. THE (B) DIODE IS MOUNTED ON A MISCELLANEOUS MOUNTING PLATE COVERED ON J33016AN EQUIPPED WITH 70 DIODES PER UNIT.

FIG. 54
CROSS CONNECTIONS FOR CONN INCT WHEN (CO)
AND (ST) RELAYS ARE LOCATED ON REL RACK

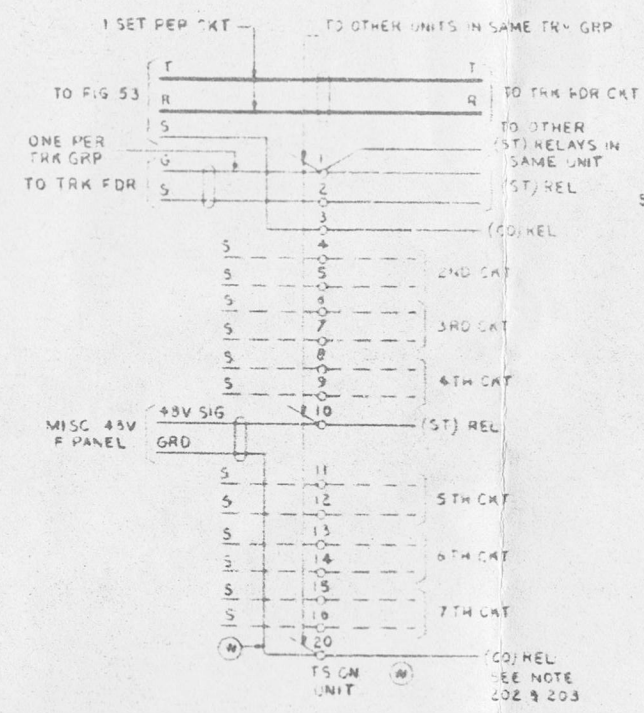


FIG. 55 (MFR DISC.)
CROSS CONN FOR AUTO DISC OF CONN
WHEN (CO) RELAYS ARE LOCATED ON
REL RACK OR TRK FOR UNIT

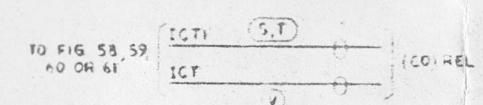


FIG. 56
(FOR FIG. 2)

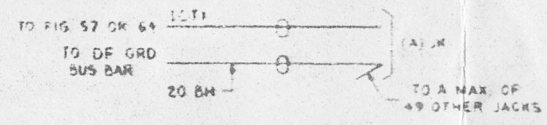


FIG. 57 (MFR DISC.)

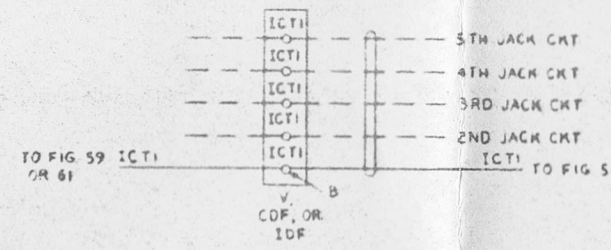


FIG. 58 (MFR DISC.)

FOR ONE INCT TRK PER CONN HUNDREDS
GRP FOR 100 PT CONN OR PER SHELF FOR
200 PT CONN AND PLUG UP LINE CIRCUITS
ARE NOT PROVIDED

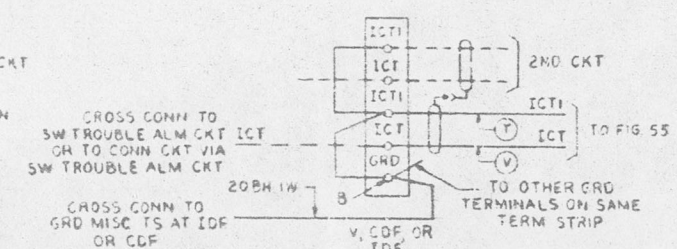


FIG. 59 (MFR DISC.)

FOR ONE INCT TRK PER CONN HUNDREDS
GRP FOR 100 PT CONN OR PER SHELF FOR
200 PT CONN AND PLUG UP LINE CIRCUITS
ARE PROVIDED

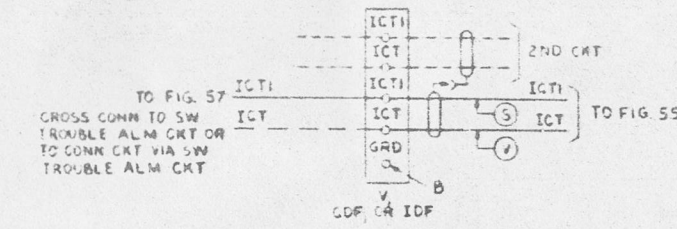


FIG. 60 (MFR DISC.)

FOR MORE THAN ONE INCT TRK PER CONN
HUNDREDS GRP FOR 100PT CONN OR PER
SHELF FOR 200PT CONN AND PLUG UP LINE
CIRCUITS ARE NOT PROVIDED

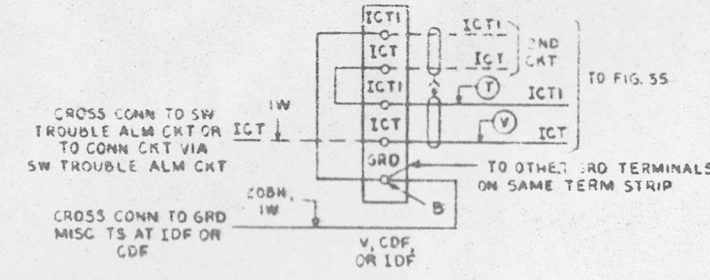


FIG. 61 (MFR DISC.)

FOR MORE THAN ONE INCT TRK PER
CONN HUNDREDS GRP FOR 100PT CONN
OR PER SHELF FOR 200PT CONN AND
PLUG UP LINE CIRCUITS ARE PROVIDED

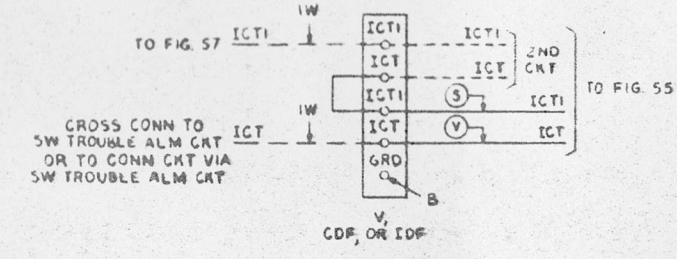


FIG. 62
(FOR FIG. 3 & 4)
SEE NOTE 204

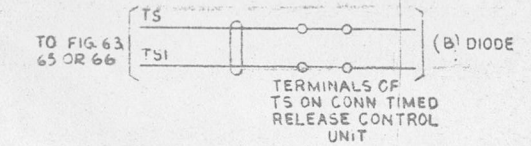


FIG. 63 (MFR DISC.)

PROVIDE WHEN TRUNKS ARRANGED
TO TRIP RINGING WITHOUT CHARGING
ARE NOT PROVIDED AND ONLY ONE
INCT TRK PER CONN GRP IS
PROVIDED

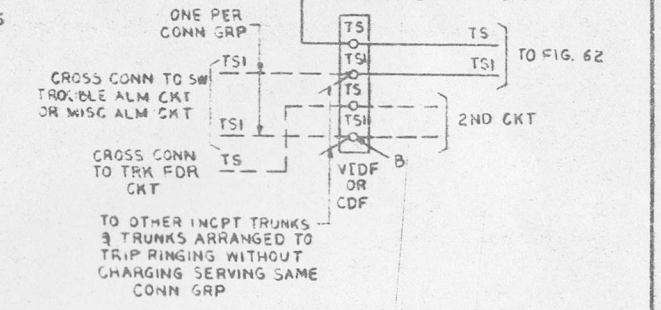
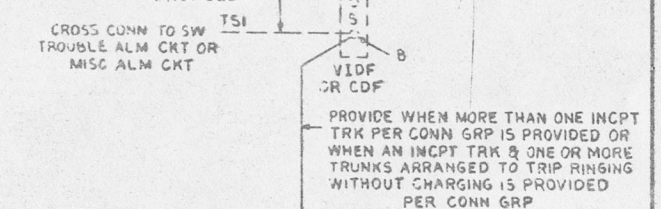
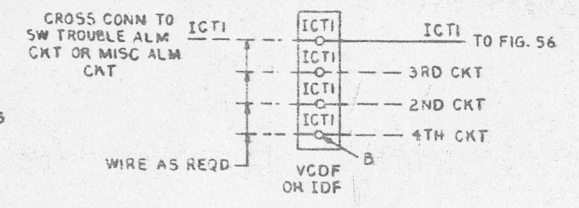


FIG. 64
(FOR FIG. 2)



(CONT ON 01-2)

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