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OPTIONS USED	
FIGS.	APP. OR DEVS.
1	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61
2	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61
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4	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61

TRANSMISSION TEST REQUIREMENTS (LINE LOSS BETWEEN COIN TERMINATIONS)	
APPARATUS	REMARKS
RELAY A	1.5K
RELAY B	2.5K
RELAY C	3.5K
RELAY D	4.5K
RELAY E	5.5K
RELAY F	6.5K
RELAY G	7.5K
RELAY H	8.5K
RELAY I	9.5K
RELAY J	10.5K
RELAY K	11.5K
RELAY L	12.5K
RELAY M	13.5K
RELAY N	14.5K
RELAY O	15.5K
RELAY P	16.5K
RELAY Q	17.5K
RELAY R	18.5K
RELAY S	19.5K
RELAY T	20.5K
RELAY U	21.5K
RELAY V	22.5K
RELAY W	23.5K
RELAY X	24.5K
RELAY Y	25.5K
RELAY Z	26.5K
RELAY AA	27.5K
RELAY AB	28.5K
RELAY AC	29.5K
RELAY AD	30.5K
RELAY AE	31.5K
RELAY AF	32.5K
RELAY AG	33.5K
RELAY AH	34.5K
RELAY AI	35.5K
RELAY AJ	36.5K
RELAY AK	37.5K
RELAY AL	38.5K
RELAY AM	39.5K
RELAY AN	40.5K
RELAY AO	41.5K
RELAY AP	42.5K
RELAY AQ	43.5K
RELAY AR	44.5K
RELAY AS	45.5K
RELAY AT	46.5K
RELAY AU	47.5K
RELAY AV	48.5K
RELAY AW	49.5K
RELAY AX	50.5K
RELAY AY	51.5K
RELAY AZ	52.5K
RELAY BA	53.5K
RELAY BB	54.5K
RELAY BC	55.5K
RELAY BD	56.5K
RELAY BE	57.5K
RELAY BF	58.5K
RELAY BG	59.5K
RELAY BH	60.5K
RELAY BI	61.5K
RELAY BJ	62.5K
RELAY BK	63.5K
RELAY BL	64.5K
RELAY BM	65.5K
RELAY BN	66.5K
RELAY BO	67.5K
RELAY BP	68.5K
RELAY BQ	69.5K
RELAY BR	70.5K
RELAY BS	71.5K
RELAY BT	72.5K
RELAY BU	73.5K
RELAY BV	74.5K
RELAY BW	75.5K
RELAY BX	76.5K
RELAY BY	77.5K
RELAY BZ	78.5K
RELAY CA	79.5K
RELAY CB	80.5K
RELAY CC	81.5K
RELAY CD	82.5K
RELAY CE	83.5K
RELAY CF	84.5K
RELAY CG	85.5K
RELAY CH	86.5K
RELAY CI	87.5K
RELAY CJ	88.5K
RELAY CK	89.5K
RELAY CL	90.5K
RELAY CM	91.5K
RELAY CN	92.5K
RELAY CO	93.5K
RELAY CP	94.5K
RELAY CQ	95.5K
RELAY CR	96.5K
RELAY CS	97.5K
RELAY CT	98.5K
RELAY CU	99.5K
RELAY CV	100.5K
RELAY CW	101.5K
RELAY CX	102.5K
RELAY CY	103.5K
RELAY CZ	104.5K
RELAY DA	105.5K
RELAY DB	106.5K
RELAY DC	107.5K
RELAY DD	108.5K
RELAY DE	109.5K
RELAY DF	110.5K
RELAY DG	111.5K
RELAY DH	112.5K
RELAY DI	113.5K
RELAY DJ	114.5K
RELAY DK	115.5K
RELAY DL	116.5K
RELAY DM	117.5K
RELAY DN	118.5K
RELAY DO	119.5K
RELAY DP	120.5K
RELAY DQ	121.5K
RELAY DR	122.5K
RELAY DS	123.5K
RELAY DT	124.5K
RELAY DU	125.5K
RELAY DV	126.5K
RELAY DW	127.5K
RELAY DX	128.5K
RELAY DY	129.5K
RELAY DZ	130.5K
RELAY EA	131.5K
RELAY EB	132.5K
RELAY EC	133.5K
RELAY ED	134.5K
RELAY EE	135.5K
RELAY EF	136.5K
RELAY EG	137.5K
RELAY EH	138.5K
RELAY EI	139.5K
RELAY EJ	140.5K
RELAY EK	141.5K
RELAY EL	142.5K
RELAY EM	143.5K
RELAY EN	144.5K
RELAY EO	145.5K
RELAY EP	146.5K
RELAY EQ	147.5K
RELAY ER	148.5K
RELAY ES	149.5K
RELAY ET	150.5K
RELAY EU	151.5K
RELAY EV	152.5K
RELAY EW	153.5K
RELAY EX	154.5K
RELAY EY	155.5K
RELAY EZ	156.5K
RELAY FA	157.5K
RELAY FB	158.5K
RELAY FC	159.5K
RELAY FD	160.5K
RELAY FE	161.5K
RELAY FF	162.5K
RELAY FG	163.5K
RELAY FH	164.5K
RELAY FI	165.5K
RELAY FJ	166.5K
RELAY FK	167.5K
RELAY FL	168.5K
RELAY FM	169.5K
RELAY FN	170.5K
RELAY FO	171.5K
RELAY FP	172.5K
RELAY FQ	173.5K
RELAY FR	174.5K
RELAY FS	175.5K
RELAY FT	176.5K
RELAY FU	177.5K
RELAY FV	178.5K
RELAY FW	179.5K
RELAY FX	180.5K
RELAY FY	181.5K
RELAY FZ	182.5K
RELAY GA	183.5K
RELAY GB	184.5K
RELAY GC	185.5K
RELAY GD	186.5K
RELAY GE	187.5K
RELAY GF	188.5K
RELAY GG	189.5K
RELAY GH	190.5K
RELAY GI	191.5K
RELAY GJ	192.5K
RELAY GK	193.5K
RELAY GL	194.5K
RELAY GM	195.5K
RELAY GN	196.5K
RELAY GO	197.5K
RELAY GP	198.5K
RELAY GQ	199.5K
RELAY GR	200.5K
RELAY GS	201.5K
RELAY GT	202.5K
RELAY GU	203.5K
RELAY GV	204.5K
RELAY GW	205.5K
RELAY GX	206.5K
RELAY GY	207.5K
RELAY GZ	208.5K
RELAY HA	209.5K
RELAY HB	210.5K
RELAY HC	211.5K
RELAY HD	212.5K
RELAY HE	213.5K
RELAY HF	214.5K
RELAY HG	215.5K
RELAY HH	216.5K
RELAY HI	217.5K
RELAY HJ	218.5K
RELAY HK	219.5K
RELAY HL	220.5K
RELAY HM	221.5K
RELAY HN	222.5K
RELAY HO	223.5K
RELAY HP	224.5K
RELAY HQ	225.5K
RELAY HR	226.5K
RELAY HS	227.5K
RELAY HT	228.5K
RELAY HU	229.5K
RELAY HV	230.5K
RELAY HW	231.5K
RELAY HX	232.5K
RELAY HY	233.5K
RELAY HZ	234.5K
RELAY IA	235.5K
RELAY IB	236.5K
RELAY IC	237.5K
RELAY ID	238.5K
RELAY IE	239.5K
RELAY IF	240.5K
RELAY IG	241.5K
RELAY IH	242.5K
RELAY II	243.5K
RELAY IJ	244.5K
RELAY IK	245.5K
RELAY IL	246.5K
RELAY IM	247.5K
RELAY IN	248.5K
RELAY IO	249.5K
RELAY IP	250.5K
RELAY IQ	251.5K
RELAY IR	252.5K
RELAY IS	253.5K
RELAY IT	254.5K
RELAY IU	255.5K
RELAY IV	256.5K
RELAY IW	257.5K
RELAY IX	258.5K
RELAY IY	259.5K
RELAY IZ	260.5K
RELAY JA	261.5K
RELAY JB	262.5K
RELAY JC	263.5K
RELAY JD	264.5K
RELAY JE	265.5K
RELAY JF	266.5K
RELAY JG	267.5K
RELAY JH	268.5K
RELAY JI	269.5K
RELAY JJ	270.5K
RELAY JK	271.5K
RELAY JL	272.5K
RELAY JM	273.5K
RELAY JN	274.5K
RELAY JO	275.5K
RELAY JP	276.5K
RELAY JQ	277.5K
RELAY JR	278.5K
RELAY JS	279.5K
RELAY JT	280.5K
RELAY JU	281.5K
RELAY JV	282.5K
RELAY JW	283.5K
RELAY JX	284.5K
RELAY JY	285.5K
RELAY JZ	286.5K
RELAY KA	287.5K
RELAY KB	288.5K
RELAY KC	289.5K
RELAY KD	290.5K
RELAY KE	291.5K
RELAY KF	292.5K
RELAY KG	293.5K
RELAY KH	294.5K
RELAY KI	295.5K
RELAY KJ	296.5K
RELAY KK	297.5K
RELAY KL	298.5K
RELAY KM	299.5K
RELAY KN	300.5K
RELAY KO	301.5K
RELAY KP	302.5K
RELAY KQ	303.5K
RELAY KR	304.5K
RELAY KS	305.5K
RELAY KT	306.5K
RELAY KU	307.5K
RELAY KV	308.5K
RELAY KW	309.5K
RELAY KX	310.5K
RELAY KY	311.5K
RELAY KZ	312.5K
RELAY LA	313.5K
RELAY LB	314.5K
RELAY LC	315.5K
RELAY LD	316.5K
RELAY LE	317.5K
RELAY LF	318.5K
RELAY LG	319.5K
RELAY LH	320.5K
RELAY LI	321.5K
RELAY LJ	322.5K
RELAY LK	323.5K
RELAY LL	324.5K
RELAY LM	325.5K
RELAY LN	326.5K
RELAY LO	327.5K
RELAY LP	328.5K
RELAY LQ	329.5K
RELAY LR	330.5K
RELAY LS	331.5K
RELAY LT	332.5K
RELAY LU	333.5K
RELAY LV	334.5K
RELAY LW	335.5K
RELAY LX	336.5K
RELAY LY	337.5K
RELAY LZ	338.5K
RELAY MA	339.5K
RELAY MB	340.5K
RELAY MC	341.5K
RELAY MD	342.5K
RELAY ME	343.5K
RELAY MF	344.5K
RELAY MG	345.5K
RELAY MH	346.5K
RELAY MI	347.5K
RELAY MJ	348.5K
RELAY MK	349.5K
RELAY ML	350.5K
RELAY MN	351.5K
RELAY MO	352.5K
RELAY MP	353.5K
RELAY MQ	354.5K
RELAY MR	355.5K
RELAY MS	356.5K
RELAY MT	357.5K
RELAY MU	358.5K
RELAY MV	359.5K
RELAY MW	360.5K
RELAY MX	361.5K
RELAY MY	362.5K
RELAY MZ	363.5K
RELAY NA	364.5K
RELAY NB	365.5K
RELAY NC	366.5K
RELAY ND	367.5K
RELAY NE	368.5K
RELAY NF	369.5K
RELAY NG	370.5K
RELAY NH	371.5K
RELAY NI	372.5K
RELAY NJ	373.5K
RELAY NK	374.5K
RELAY NL	375.5K
RELAY NN	376.5K
RELAY NO	377.5K
RELAY NP	378.5K
RELAY NQ	379.5K
RELAY NR	380.5K
RELAY NS	381.5K
RELAY NT	382.5K
RELAY NU	383.5K
RELAY NV	384.5K
RELAY NW	385.5K
RELAY NX	386.5K
RELAY NY	387.5K
RELAY NZ	38

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APPARATUS	MECH. REQ.	CIRCUIT PREPARATION	DIRECT CURRENT FLOW REQ.			REMARKS
			TEST CLIP DATA	TEST SET PREP.	TEST FOR	
A R2092	58/53 H 35	RT(A) GRD	O	18	17	
B E589 E1446	8/7 H 20	RB(D) RT(D) NGR 4	O	40	38	
BT R2099 YA	3 H 20	4B(NN) GRD 1/2 P O	NO	19	20	
		4B(NN) GRD 2 P NO	O	37	35	
		15(NN) W 1/2 S O	O	29.5	31.5	
BT R2099 YD	3 H 20	28(NN) 1T(BT) GRD 1/2 T O	O	52	51	
		28(K) 3YI(BT) GRD S O	O	8.3		
		3YI(BT) GRD T O	O	52		
		YBI(BT) GRD 6 P O	O	37	35	
C E626 E889	9/7 H 35	4B(KI) RT(C) GRD	O	25	23.8	
		4T(C) ST(C) O	O	39.5	21	
C R200 ZC	29/7 H 25	4B(KI) RT(C) GRD	O	18	17	
D I62Y	H	4T(Y) 1B(B) GRD 3 O	O	41	39	
DD E589 E1446	8/7 H 20	4T(Y) 1B(B) GRD	NO	28.5	30	
		RT(D) GRD O	O	40	23	

TEST NOTES:  
 1. ARM. NEED NOT TOUCH CORE.  
 2. INSERT DUMMY PLUG IN JACK (T).  
 3. AFTER (R) RELAY IS ADJUSTED TO MEET PULSE REP REG A-4, APPLY A ZERO LOOP AT 6PFS TO (R) RELAY & OBSERVE (D) RELAY. IF (D) TENDS TO OPEN DURING PULSING OF (R), STIFFEN (D) WITHIN TEST REQ. PRIOR TO ISS 208. THIS TEST WAS NOT SHOWN.  
 4. INSULATE 2T(B) WHEN "F" OPTION IS USED.  
 5. CONN. BAT. TEST CLIP TO 3B(C) FOR FIG. A OR E OR TO 1B(D) FOR FIG. B OR F.  
 6. STRAP YD(BT) TO LB(BT)

APPARATUS	MECH. REQ.	CIRCUIT PREPARATION	DIRECT CURRENT FLOW REQ.			REMARKS
			TEST CLIP DATA	TEST SET PREP.	TEST FOR	
P2 2066G ZF	B	TTJK-T TTJK-R 5/2 2 P/S O	-150	3.5		
ROOH ZG		TTJK-T TTJK-R 5/2 2 P/S O	-150	2.5		
		TTJK-T TTJK-R 5/2 2 P/S R	150	2.5		
		TTJK-T TTJK-R 5/2 2 P/S R	150	1.9	2.1	
R H2B	1/1 H 5PL	2RT(R) GRD 2 O	19	18		
		2RT(F) GRD NO	15.2	16		
		1TJK-T TTJK-R M 2/R O	20			
		1TJK-T TTJK-R M 8 NO	15			
		7/B O				
RT H2	1	(BT) NO 4B(NN) GRD P/T O	F5	17	16	
		(BT) NO 4B(NN) GRD P/T NO	F5	13.6	14.4	
S E1074	1	24/23 L 30 (R) O, (H) NO	41	39		
		R/S ARE 6/11/16	20.5	22		
T U851	B	315/316 H 44 (T) O	BF(T) TR(T) M 1/3/2 P/S O	F5	9.3	8.8
			BF(T) TR(T) M 3 P/S O	25	23.5	
			BF(T) TR(T) M 1/3/7 P/S NO	16.3	17.5	
			TR(T) GRD 1/10 S O	54		
T U851	F	315/316 H 44 (T) O	BF(T) TR(T) M 3/4/1 P/S O	F5	9.3	8.8
			BF(T) TR(T) M 3 P/S O	25	23.5	
			BF(T) TR(T) M 3/4/1 P/S NO	16.3	17.5	
			TR(T) GRD 4/10 S O	54		

TEST NOTES:  
 1. THESE ADJUSTMENTS READ ONLY WHEN H OPTION IS USED.  
 2. ARM. NEED NOT TOUCH CORE. ARM TRAVEL IS ± 2.5.  
 3. CONNECT DIRECT GND TO 4B(T).  
 4. THESE ADJUSTMENTS READ ONLY WHEN "ZD" OPTION IS USED.  
 5. SHORT CIRCUIT SPRINGS ST-6T(U).  
 6. INSERT DUMMY PLUG IN (T) JACK.  
 7. AFTER (R) RELAY IS ADJ. TO MEET PULSE REP REG A-4, APPLY A ZERO LOOP AT 6PFS TO (R) RELAY & OBS. (D) RELAY. IF (D) TENDS TO OPEN DURING PULSING OF (R), STIFFEN (D) PRIOR TO ISS 208. THIS TEST OPT. VALUE FOR (S) REL. WAS 44.5 MA WITHIN TEST REQ. PRIOR TO ISS 208. THIS TEST WAS NOT SHOWN.  
 8. APPLY PULSE REP REG. "AA" LIMITS 54-80% BREAK. CONN. TEST SET TO (T) JACK FOR IN. & (T) JACK FOR OUT. MOMENTARILY OPER. (RT) WHEN IT CANNOT BE OPER. ELEC. ACCORDANCE WITH THE BSP.  
 9. ST-6T & 3B-4B MAY MAKE. 10. TO MAKE ST-6T & 3B-4B ONLY. 11. WITH A 15ML GAUGE BET. ARM. & CORE & REL. ENERGIZED, SPRINGS 1B-2B & 3B-4B SHALL MAKE & SPRINGS 4T-5T SHALL NOT BREAK.

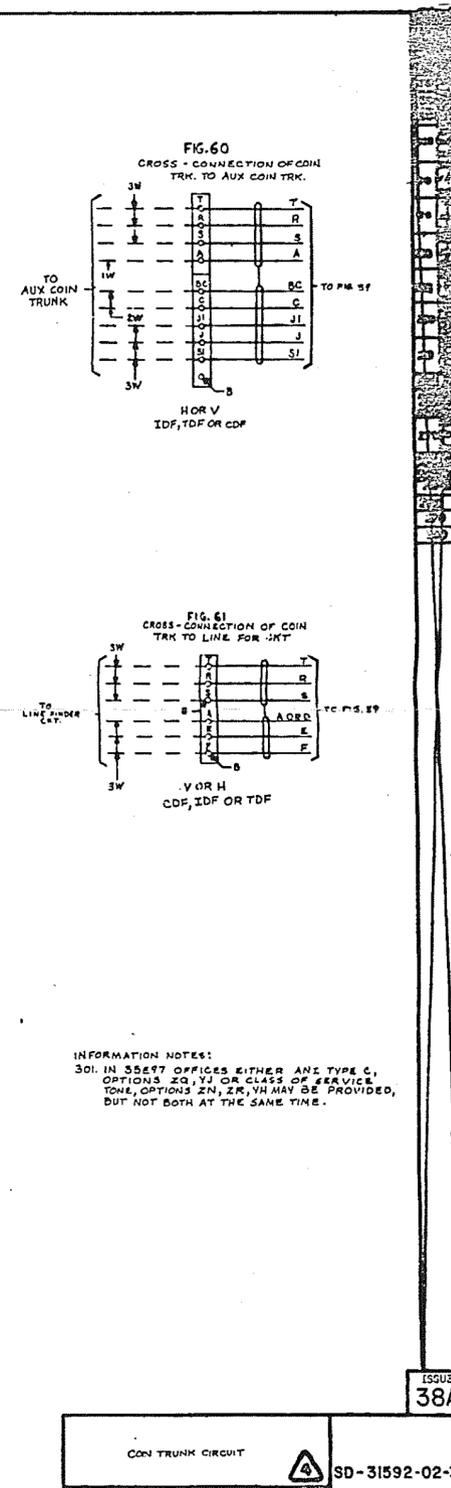
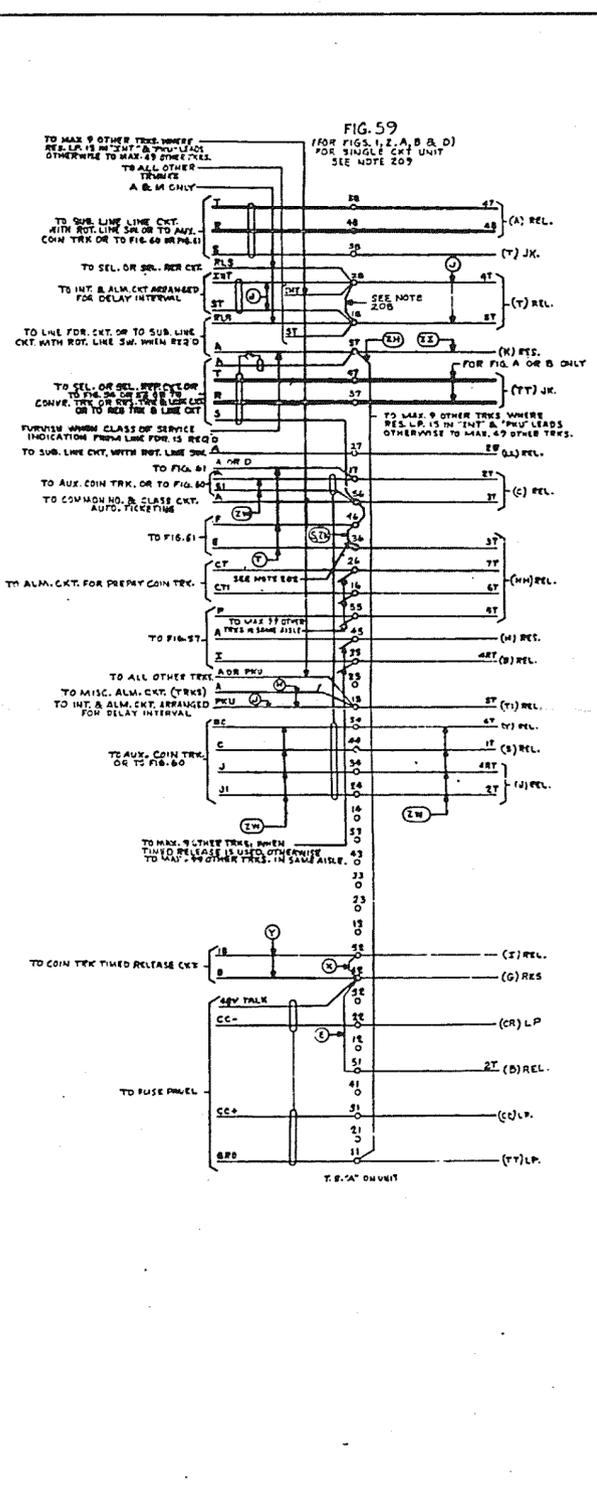
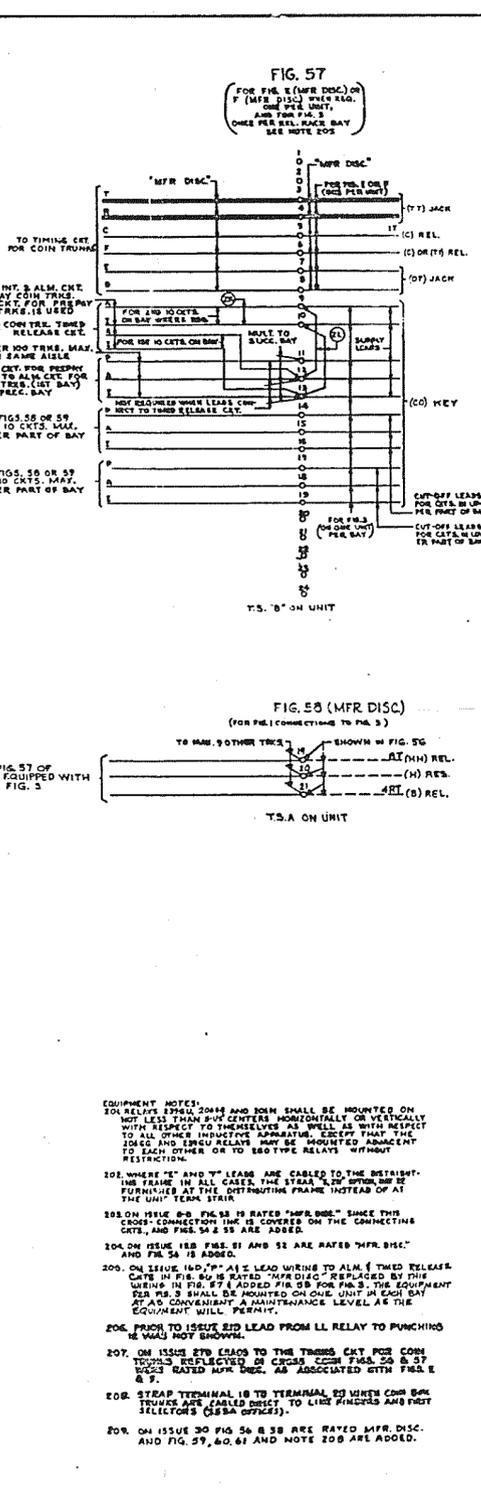
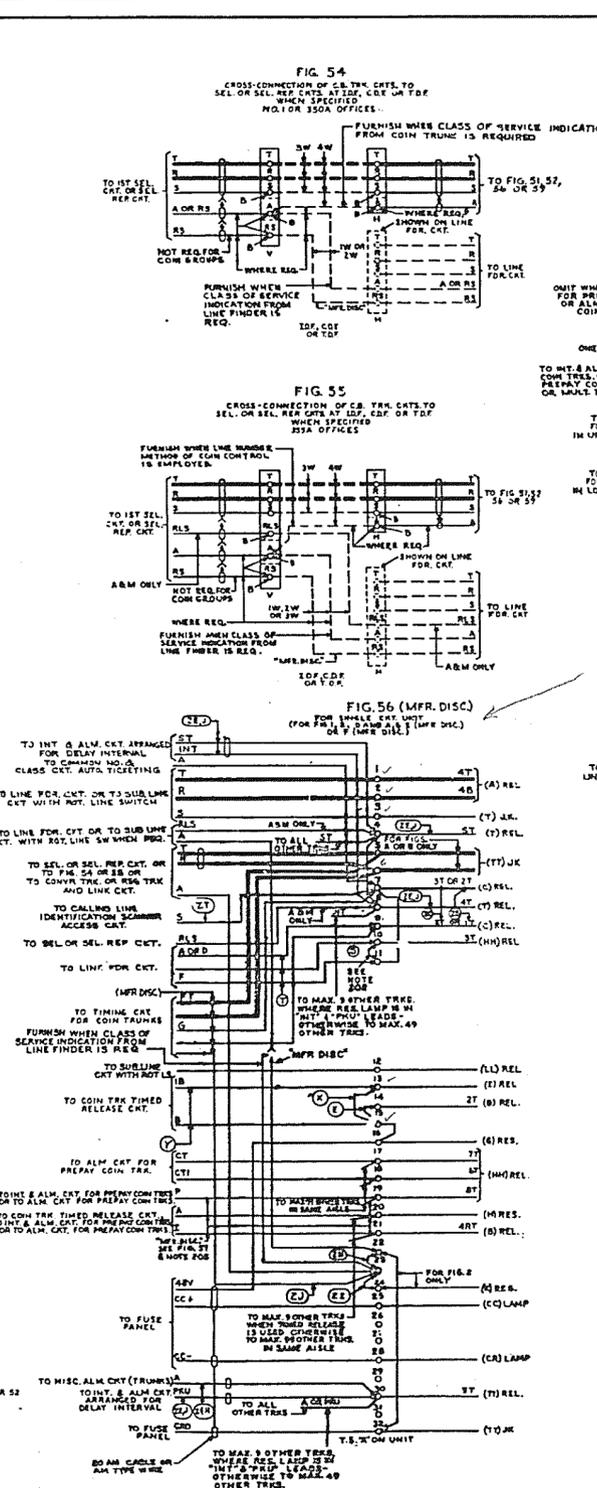
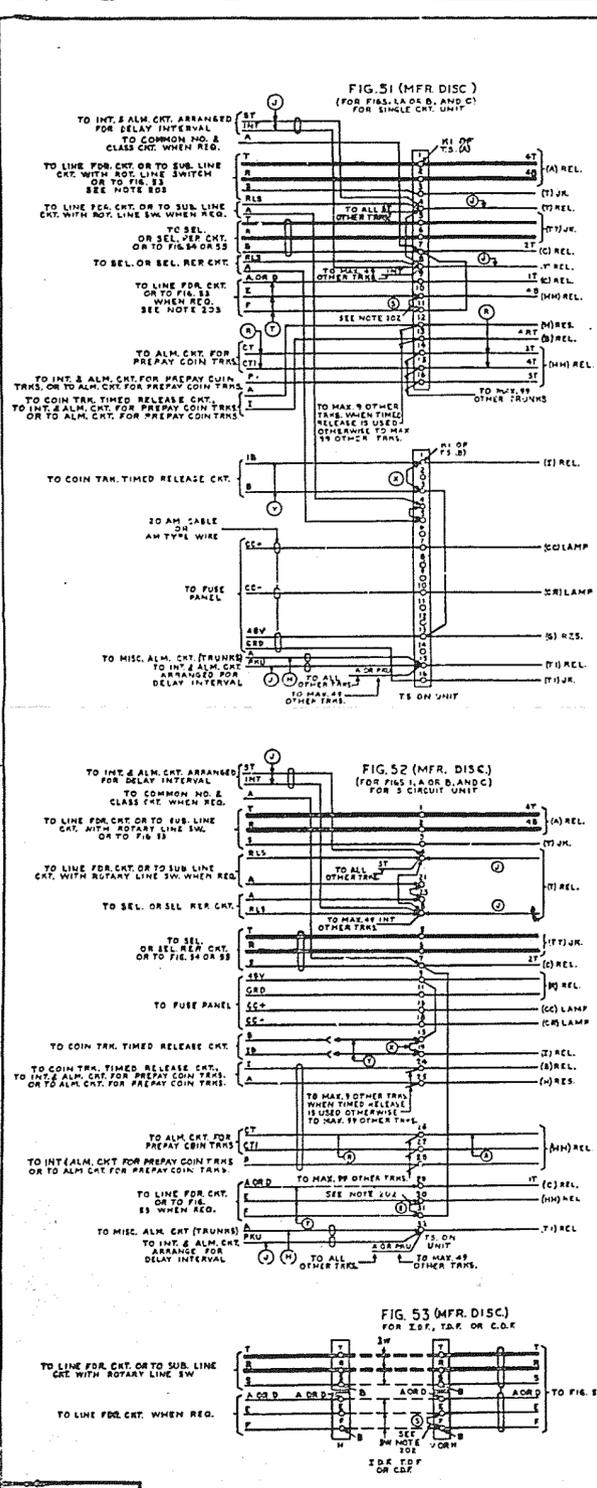
APPARATUS	MECH. REQ.	CIRCUIT PREPARATION	DIRECT CURRENT FLOW REQ.			REMARKS
			TEST CLIP DATA	TEST SET PREP.	TEST FOR	
M 1495 D	A	(B)O 1B(B) BAT	O	7.4	7	
		(H)NO 1B(B) BAT	NO	4.7	5	
M Y7B B	115/164 H 29	(B)O 2M BAT 1 O	F5	17	16	
		(H)NO 2M BAT 1 M	F5	1.3	1.4	
		(H)NO 2M BAT 1 R	F5	0.7	0.9	
MH R109 C	26/24 H 30	(B)O RB(NH) BAT	O	24	21	
MH U914 D	146/151 H 44	(B)O B(NH) BAT	O	11.6	11	
I B500 B56	1 30	(B)O 4B(C) 6B(A) B/C O	38	36		
		(H)NO 4B(C) 6B(A) B/C R	14	15		
		(H)NO 4B(C) 6B(A) B/C O	100	50	47.5	
		(H)NO 4B(C) 6B(A) B/C R	100	20.5	22	
J R1324	29/24 L 25	(B)O 2T(U) GRD	O	31	29	
K E681	3/3 H 20	RT(N) GRD	O	34	33	
KI R1673	4/10 H 20	RT(KI) GRD 2	O	31.3	29	
L B1180	3 40	(A) O 3B(S) 1B(S) M P/S O	50	3.3	3.1	
		(N) NO 3B(S) 1B(S) M P/S R	30	1.9	2	
		(N) NO 1B(S) GRD P	120	6.4		
		(N) NO 1B(S) GRD P	120	4.3		
LL U114	136/106 H 47	1B(L) T(L) GRD	O	9.7	9.2	

TEST NOTES:  
 1. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE B5P  
 2. INSERT DUMMY PLUG IN JACK (T)  
 3. MAKE TRUNK BUSY AT (T) R. (T) JACKS  
 4. REVERSE VOLTAGE TEST  
 (A) CONNECT ONE END OF A 0.1 MEGOHM (1/4 WATT) RESISTOR TO 3B(C), (1/4 WATT) DC OR HIGHER, SENSITIVITY METER, THE KS-14510 METER IS SATISFACTORY.  
 (B) CONNECT THE OTHER END OF THE RESISTOR TO 1B(T) FOR FIG. B OR F.  
 (C) THE VOLTAGE ACROSS THE 0.1 MEGOHM RESISTOR SHALL NOT BE MORE THAN 0.1 VOLT. TWO SCALE DIVISIONS ON 3V SCALE OF KS-14510 METER.  
 (D) THE VOLTAGE MEASURED BETWEEN 1B(T) AND GROUND SHALL NOT BE MORE THAN 1.0 VOLT.

APPARATUS	MECH. REQ.	CIRCUIT PREPARATION	DIRECT CURRENT FLOW REQ.			REMARKS
			TEST CLIP DATA	TEST SET PREP.	TEST FOR	
N 149CG 149AR	A	(N)NO 4T(NN) GRD	O	14.7	14	
		(N)NO 4T(NN) GRD	H	3.2	3	
		(N)NO 4T(NN) GRD	A	0.9	1	
N Y263	235/115 H 44	(N)NO T(N) GRD 1 O	F5	26.5	25	
		(N)NO T(N) GRD 1 H	F5	2.2	2.3	
		(N)NO T(N) GRD 1 R	F5	1.2	1.2	
NN E6140	24/12 L 35	(N)NO RT(NN) GRD	O	47	44	
P 239GU U	B	R1000NO TTJK-T TTJK-R 3/2	O	-105	2.3	
		(S) NO TTJK-T TTJK-R 3/2	NO	105	1.7	
		(S) NO TTJK-T TTJK-R 3/2	O	-105	20.5	
		(S) NO TTJK-T TTJK-R 3/2	NO	105	9.5	
P1 204N 2	3	R1000NO TTJK-T TTJK-R 3/2	O	-105	21	
		(S) NO TTJK-T TTJK-R 3/2	NO	105	7.6	
P1 280U N	B	R1000NO TTJK-T TTJK-R 3/2	O	-105	2.3	
		(S) NO TTJK-T TTJK-R 3/2	NO	105	1.7	
		R1000NO TTJK-T TTJK-R 3/2	O	-105	21	
		(S) NO TTJK-T TTJK-R 3/2	NO	105	7.6	
P2 2066G M	B	TTJK-T TTJK-R 5/2 2 P/S O	-180	3.5		
		TTJK-T TTJK-R 5/2 2 P/S O	-180	2.5		
		TTJK-T TTJK-R 5/2 2 P/S O	-150	24.5	25	
		TTJK-T TTJK-R 5/2 2 P/S R	150	1.9	2.1	

TEST NOTES:  
 1. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE B5P  
 2. SHORT CIRCUIT SPRINGS ST-6T(U)  
 3. DO NOT USE CONTACT CLOSURE TEST SET.

160  
170  
180  
190  
200  
210  
220  
230  
240  
250  
260  
270  
280  
290  
300



- EQUIPMENT NOTES:**
201. RELAYS 200A, 200B AND 200M SHALL BE MOUNTED ON NOT LESS THAN SIX CENTERS HORIZONTALLY OR VERTICALLY WITH RESPECT TO THE RELAYS AS WELL AS WITH RESPECT TO ALL OTHER INDUCTIVE APPARATUS, EXCEPT THAT THE JONES AND EBERLE RELAYS MAY BE MOUNTED ADJACENT TO EACH OTHER OR TO 280TYPE RELAYS WITHOUT RESTRICTION.
  202. WHERE "E" AND "F" LEADS ARE CABLED TO THE DISTRIBUTING FRAME IN ALL CASES THE STRAIP LEAD SYSTEM SHALL BE FURNISHED AT THE DISTRIBUTING FRAME INSTEAD OF AT THE UNIT TERMINAL STRIP.
  203. ON ISSUE 200-00 FIG. 58 IS RATED "MFR DISC" SINCE THIS CROSS-CONNECTIONING LINE IS COVERED ON THE CONNECTING CTS. AND FIGS. 54 & 55 ARE ADDED.
  204. ON ISSUE 188 FIGS. 51 AND 52 ARE RATED "MFR DISC" AND FIG. 54 IS ADDED.
  205. ON ISSUE 160, 77" AT LEAD WIRING TO ALM. & TMR. RELEASE CTS. IN FIG. 56 IS RATED "MFR DISC" REPLACED BY THE WIRING IN FIG. 57 & 58 FOR FIGS. 1, 2, A, B, AND C. THE EQUIPMENT FOR FIG. 58 SHALL BE MOUNTED ON ONE UNIT ON EACH BAY AT AS CONVENIENT A MAINTENANCE LEVEL AS THE EQUIPMENT WILL PERMIT.
  206. FROM TO ISSUE 200 LEAD FROM LL RELAY TO PUNCHING IS SHOWN NOT SHOWN.
  207. ON ISSUE 270 CHANGES TO THE TIMING CKT. FOR COIN TRUNKS REFLECTED ON CROSS-COMM. FIGS. 54 & 57 WHICH RATED MFR DISC. AS ASSOCIATED WITH FIGS. 1 & 2.
  208. STRAP TERMINAL IS TO TERMINAL 20 WITH COIN TRUNK TRUNKS ARE CABLED DIRECT TO LINE FINDERS AND PEST SELECTORS (350A OFFICES).
  209. ON ISSUE 30 FIG. 56 & 58 ARE RATED MFR DISC. AND FIG. 59, 60, 61 AND NOTE 208 ARE ADDED.

**INFORMATION NOTES:**

301. IN 350A OFFICES EITHER ANS TYPE C, OPTION 3, OR CLASS OF SERVICE TONE, OPTIONS 2N, ZK, YH MAY BE PROVIDED, BUT NOT BOTH AT THE SAME TIME.

101. CIRCUIT NOTES:

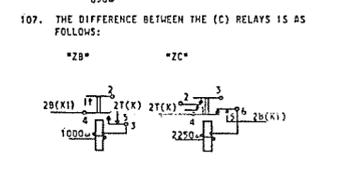
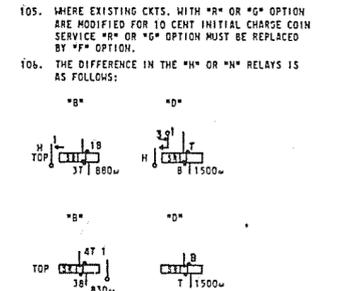
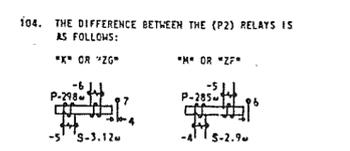
DESIG	AMP	POTENTIAL FUSED	ONE PER
1	3	40V TALK	CKT SEE NOTE 108
1/2		CC+	CKT
1/2		CC-	CKT

102. FEATURE OR OPTION

FEATURE OR OPTION	FIG. OR YR.	PROVIDE QUANTITY
WHEN DIAL TONE IS REQ. BEFORE COIN DEPOSIT AND NO AUX COIN TRK IS PROVIDED	Z	
WHEN COIN BOX TRK. RELEASE CKT. IS FURN.	X,ZA	
WHEN COIN BOX TRK. RELEASE CKT. IS NOT FURN.	X,A	
WHEN NO LONG LINE CKTS. ARE PROVIDED IN THE ASSOCIATED LINE FINDER UNIT OR *TARY LINE SWITCH	S	
PREPAY COIN TRK.	1	1 PER CKT
DELAY D. REQUIRED NO. 1 OR 350A	B	J
CHARGING NOT REQUIRED NO. 355A	A	
10 CENT INITIAL CHARGE	E	
NO DELAY	A	
DELAYED CHARGING NO. 1 OR 350A	B	J
CUT OFF KEY FOR *A* *L* & *P* LEADS	ZK	1 PER 20 CKT. MAX IN SAME BAY
FOR USE WITH COIN LINES TO BE RESTRICTED FROM SAME TRUNKS	ZL	1 PER CKT
WHEN CLASS OF SERVICE COIN LINES ARE INDICATED BY TONE INDICATION FROM COIN TRK IS REQ FOR	ZH	1 PER CKT
ANI	ZI	
	ZJ	
	ZK	
	ZL	
	ZM	
	ZN	
	ZO	
	ZP	
	ZQ	
	ZR	
	ZS	
	ZT	
	ZU	
	ZV	
	ZW	
	ZX	
	ZY	
	ZZ	

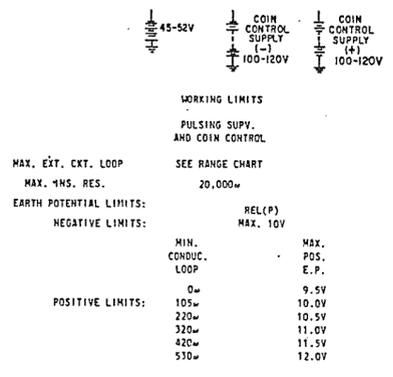
103. RECORD OF FIGURES, WIRING AND APPARATUS CHANGES

CHANGED ON ISS	IF JOB RECORDS DO NOT SPECIFY	THIS OPTION HAS FURN	SEE NOTE	USE IN CIRCUIT
85	V OR W	W		V
90	U,Q,P OR H	U & Q		P,H
100	FIG.A OR B	FIG.A	102	FIG.A,B
100			104	X
100			102	H,J
100	R OR G	R		G
128	F	R OR G	105	F
130	FIG.C OR D	FIG.C		FIG.D
130	E	NONE	102	E
130	B OR D	D	106	B
130	A OR ZA	A	102	A,ZA
150	ZC	ZB	107	ZC
				ZB
				E888
				E626
				B36
				B500
				149AR
				149CG
				E1465
				E589
150	FIG.E OR F	FIG.A OR B	102	E,F
150			104	ZG
160			102	FIG.2
160			102	FIG.3
160	ZH OR ZI	NONE		ZH,ZI
190	ZM OR ZN	ZM	102	ZM,ZN
210			102	ZG,ZA
220	ZO OR ZP	ZO		ZP
250	ZQ OR ZR	ZR	102	ZQ,ZR
270				FIG.E,F
270				ZG,ZC
300	ZV OR ZW	ZV	110	ZV,ZW
310	ZX OR ZY	ZX	111	ZX,ZY
320	ZZ OR YC	YC	112	ZZ
	YA OR YB	YA	113	YB
	YD OR YE	YE	102	YD,YE
358	YF & YH	ZN OR NONE		YH
	YI & YJ	ZO OR NONE		YJ
358	YK	NONE		YK
38A	YL OR YM	YM		YL,YM



108. FUSE FIG. 3 WITH FIG. 1 OF UNIT ON WHICH FIG. 3 IS LOCATED. WHEN FIG. 3 IS ON SEPARATE EOPT UNIT (FOR MOD. OF EXISTING EOPT.) FUSE FIG. 3 WITH COIN TRUNK NEXT BELOW OR IF NONE 'S BELOW, WITH THAT NEXT ABOVE.
109. WHERE \*ZT\* OPTION IS RETAINED, THE (B) DIODE DOES NOT AFFECT NORMAL CIRCUIT OPERATION. IF THE (B) DIODE BECOMES DEFECTIVE \*ZT\* OPTION SHOULD BE REPLACED BY \*ZU\* OPTION.
110. WHEN AN AUXILIARY TRUNK IS PROVIDED FOR COIN SERVICE IMPROVEMENTS OMIT \*ZV\* AND ADD \*ZW\* OPTION.
111. REMOVE OPTION ZX AND ADD OPTION ZY FOR USE WHEN 911 EMERGENCY SERVICE AND DIAL TONE FIRST ARRANGEMENTS ARE USED TOGETHER. PRIOR TO ISSUE 310, OPTIONS ZX AND ZY WERE NOT SHOWN.
112. OPTION ZZ IS PROVIDED FOR FIELD MODIFICATION PURPOSES WHEN OPTION YA & YC WERE ORIGINALLY PROVIDED OPTION ZZ DISABLES THE FUNCTION OF THE BT RELAY WHICH BLOCKS OPERATION OF THE COIN TRUNK IN CASE OF AN IRREGULAR CONDITION ON THE LINE. THIS OPTION ELIMINATES THE POSSIBILITY OF A FALSE GROUND LOCK-UP. SEE NOTE 113 & 114.
113. PRIOR TO ISSUE 328, OPTIONS \*Y\* & \*Y\* WERE ALWAYS REQD. OPTION YB IS PROVIDED TO REMOVE THE BT RELAY ON FUTURE ORDERS OF THIS CIRCUIT. THE BT RELAY BLOCKS OPERATION OF THE COIN TRUNK IN CASE OF AN IRREGULAR CONDITION ON THE LINE. OPTION YB ELIMINATES THE POSSIBILITY OF A LOCK-UP FROM A FALSE GROUND. SEE NOTE 112.
114. PRIOR TO ISSUE 328, OPTION YC WAS ALWAYS REQUIRED. OPTION ZZ IS PROVIDED FOR FIELD MODIFICATION PURPOSES. (SEE NOTE 112.) THIS MODIFICATION CAN BE APPLIED BY REMOVING THE LEAD FROM TERMINAL 2 OF THE BT RELAY AND CONNECTING THIS LEAD TO TERMINAL 3 OF THE BT RELAY.

115. PRIOR TO ISSUE 338, THE BT RELAY COULD BE USED PER OPTIONS YA OR YC AS A GROUND FRAUD TEST. THIS FUNCTION WAS ELIMINATED BY OPTION ZZ (FIELD MODIFICATION) OR BY OPTION YB (NEW MANUFACTURE). AS OF THIS ISSUE OPTION YB IS REATED MFR DSC. THE BT COIL IS ALWAYS SPECIFIED, EITHER BY OPTION YA OR YC.
116. PRIOR TO ISSUE 338, YF OPTION WAS PART OF ZN OPTION AND YG OPTION WAS PART OF ZQ OPTION.
117. WHEN OPTION YK IS APPLIED, OPTION ZZ OR THE REMOVAL OF THE BT RELAY FUNCTION MUST BE APPLIED. SEE NOTE 112.
118. WHEN THE TRUNK IS USED WITH THE SUBSCRIBER LOOP MULTIPLEXER OR SUBSCRIBER CARRIER SYSTEMS, OPTION YK MUST BE APPLIED.



COIN TRUNK CIRCUIT

BELL TELEPHONE LABORATORIES INCORPORATED

SD-31592-02-4

ISSUE 38A

SD-31592-02-4