



SD-31922-01 3 PAGES										
CIRCUIT REQUIREMENTS										
CONTROL CIRCUIT FOR LINE FINDERS (L FDR CONT)										
APPARATUS	MECH. REQ.	CIRCUIT PREPARATION		DIRECT CURRENT FLOW REQ.		REMARKS		TEST		
		BLOCK ON INSULATE	TEST CLIP DATA	CONN. BAT	CONN. GRD	TEST SET PREP	TEST SET NO	TEST SOAK FOR	READI. MA	REMARKS
RELAYS	BSP FIG.	CONT PRESS TRV.	ARM							
FIG. 2										
LF U683	138/300	H	59	3B(TR)	BF(LF)			P	100	95
				3B(TR)	TR(LF)			S	31.5	
				4B(LF)						
				2T(ON)						
ON U685	134/123	H	59	TR(ON)	T(ON)			O	31.5	30
				TR(ON)	T(ON)			NO	25.5	27
SP U687	115/164	H	29					P	31.5	30
								P	9	8.5
								P	6.4	6.8
								P	37	35
								P	10.4	9.9
								P	7.2	7.6
								O	11.5	
								R	19.5	
T1 Y122	190/115	H	29	IB(T1)	TF(T1)			P	19	18
				IB(T2)	TF(T1)			P	2.8	2.6
				(VSIO)	TR(T1)			S	18.5	
T2 U984	145/137	H	47		TF(T2)			P	22	20.5
					TR(T2)			S	18	

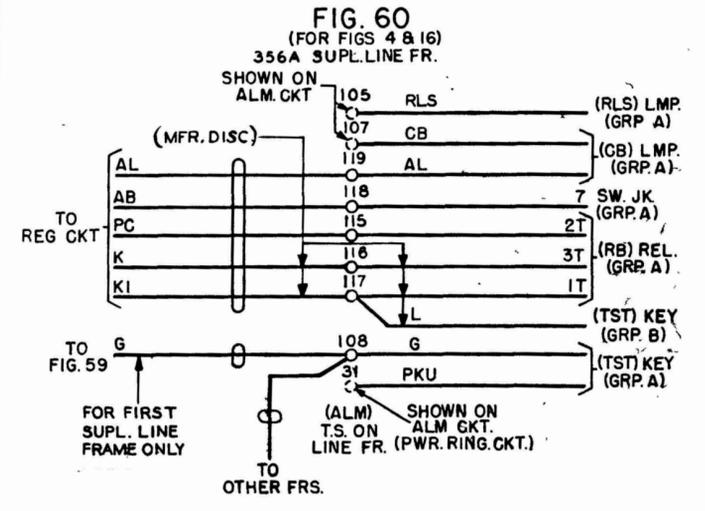
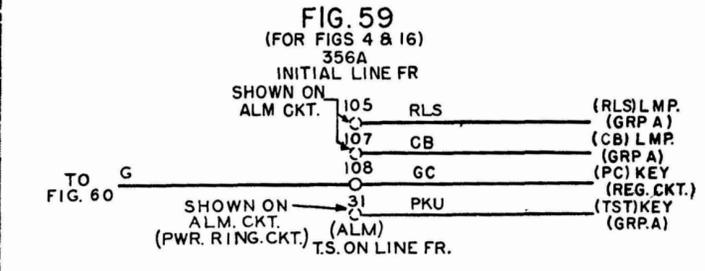
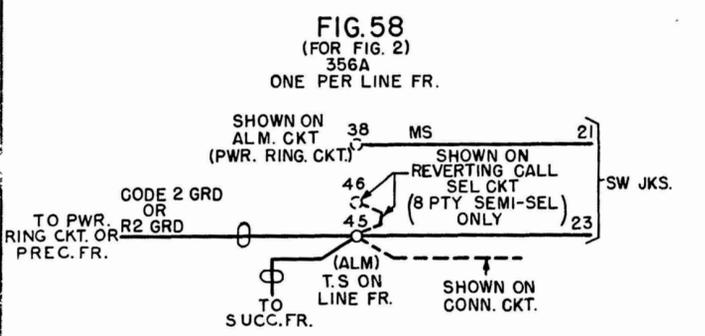
TEST NOTES:  
 1. JACK SPRINGS 1 AND 3 SHALL MAKE CONTACT WHEN THE CONTROL CKT. IS REMOVED FROM THE FRAME.  
 2. IF EITHER OR BOTH BUFFER SPRINGS ARE USED TO MEET THE RELEASE REQ. THE STUDS SHALL STRIKE THE BUFFER SPRINGS WITH THE RELAY ENERGIZED AGAINST AN 18 GAUGE.  
 3. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.  
 4. CONNECT DIRECT GROUND TO 6T(VS), WITH "H" OR "J" OPTION.  
 5. INSULATE 3B(TR) AND 2T(ON).

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CIRCUIT REQUIREMENTS										
MAGNETS										
FIG. 3										
APPARATUS	MECH. REQ.	CIRCUIT PREPARATION		DEF. CT. CURRENT FLOW REQ.		REMARKS		TEST		
		BLOCK ON INSULATE	TEST CLIP DATA	CONN. BAT	CONN. GRD	TEST SET PREP	TEST SET NO	TEST SOAK FOR	READI. MA	REMARKS
TR U686	160/108	H	47	(T2) O	T(TR)			O	7.6	7.2
VS U688	317/196	H	59		TF(VS)	B/G		P	90	85
					TF(VS)	B/G		P	71	75
					TF(VS)	B/G		P	155	130
					TF(VS)	B/G		P	120	130
T'OPTION					TR(VS)	GRD		S	240	
ST U6063	111/111	H	29		TR(VS)	GRD		S	10	9.5
					T(ST)	GRD		NO	6.6	7
S'OPTION					T(ST)	GRD		O	11	10.4
ST U122	111/111	H	29		T(ST)	GRD		O		

TEST NOTES:  
 1. TO MAKE 6-7T ONLY, 6-7T SHALL MAKE BEFORE EITHER TOP OR BOTTOM STUD STRIKES BUFFER SPRING.  
 2. WITH THIS CURRENT, STUD GAPS OF 4T AND 3B SPRINGS SHALL BE PERCEPTIBLE AND 6-7T MAY MAKE.  
 3. SEC. WDG. ALONE "K" OPTION.  
 4. SEC. WDG. IN PARALLEL WITH(D) AND (E) RES. "H" OR "J" OPTION.

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CIRCUIT REQUIREMENTS										
RELAYS										
FIG. 4										
APPARATUS	MECH. REQ.	CIRCUIT PREPARATION		DEF. CT. CURRENT FLOW REQ.		REMARKS		TEST		
		BLOCK ON INSULATE	TEST CLIP DATA	CONN. BAT	CONN. GRD	TEST SET PREP	TEST SET NO	TEST SOAK FOR	READI. MA	REMARKS
RB Y123	190/115	H	29	3T(RB)	TF(RB)	GRD		P	400	205
					TF(RB)	GRD		P	400	30.5
					TF(RB)	GRD		P	400	11.1
					TR(RB)	GRD		S/T	46	
FIG. 5					LT(AB)	GRD		O	30	28
AB U124					LT(AB)	GRD		NO	21	23
PC U128					LT(PC)	GRD		O	30	28
					LT(PC)	GRD		NO	21	23

TEST NOTES:  
 1. ADJACENT RELAYS SHALL NOT BE ENERGIZED. SEE BSP.



DWC ISS.	1
	2-B
	3-D
	4-AR
	5-D
	6-B
	7-D
	8-D
	9-D
	10-D
	11-A
	12-D
	13-D
	14-D
	15-B
	16-D
	17-B
	18-D
	19-D

EQUIPMENT NOTES:

201. 48B2 LAMPS ARE OF A.E. CO. MANUFACTURE. THEY MAY BE USED INTERCHANGEABLY WITH 2Y LAMPS AND ARE SHOWN ONLY FOR MAINTENANCE PURPOSES WHEN THIS CIRCUIT IS USED IN 35-E-97 OFFICES.

DWG	155
158	
160	
178	
180	
190	

FIG. 61  
(FOR 5 OR 10 FIGS. 5  
MTD. ON R.R.)

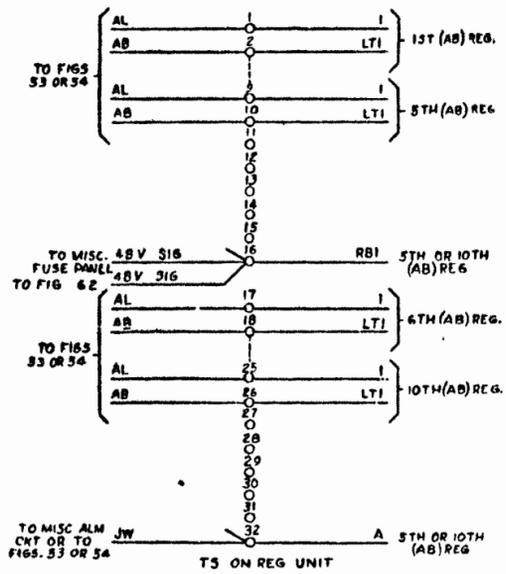
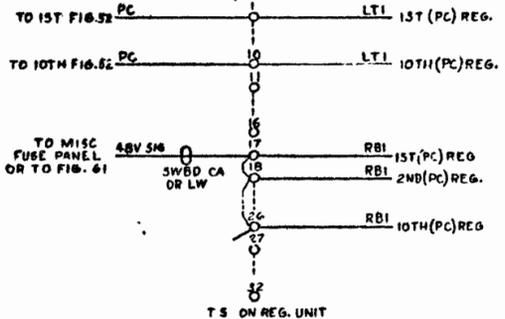


FIG. 62  
(FOR 10 FIGS. 17  
MTD. ON R.R.)



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LINE FINDER CONTROL CKT.  
BELL TELEPHONE LABORATORIES INC

3 SHEETS, SHEET 3  
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