FALSELY GROUNDED NUMBER GROUP CONNECTOR C LEAD
NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to a falsely grounded C lead in a number group connector.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Terminating trouble indicator records.

3. REACTIONS DUE TO TROUBLE

3.01 During the busy-hour periods this trouble causes a backup of terminating traffic.

3.02 Approximately one-fortieth of the calls in a number group may receive service.

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

4.02 Disconnect the HG lead in trouble at the common point. This will reduce the number of calls affected to one-fortieth of the numbers in the number group.

5. ANALYSIS OF TROUBLE

5.01 Whenever a marker attempts to complete a call in the number group in trouble to a number which requires the use of a C lead that differs from the one in trouble, it will give a trouble release and cause a terminating trouble indicator record showing an XC (crossed HGA-D or NC leads) lamp.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Segregate the trouble by splitting the multiple.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Wire clipping cross, grounding the HGD - 9 horizontal strap on the MCD relay of a number group connector.

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TERMINATING TROUBLE INDICATOR RECORD
CROSSBAR OFFICES

OFFICE _____

DATE _____ SHEET NO. ____

NO.	TI	CT	DT	GR	DR	DL	CF	CN	SN	TH	H	T	U	F	TR2	RO	OAB	NGC	HB	HP	L	JF	JC	AL1	AL2	LCF	LLG	LOG	HF	RF	TF	CA	CB	IF	LC	M	CH	LJ	JPN	JP	JG	FS	MAN	TOL	CN	RC	RV	RP	TC
1	✓				1	2	0	3	4	1	6	0	0	2				1	0	0	0			✓		3	A,D		✓			2	9	2	1	7		2				✓				✓			
2	✓				1	0	1	1	3	2	6	4	2	4				1	10	4	2				✓	0	C,D			✓			9	4	1	3		4				✓				✓			
3	✓				0	1	2	0	2	1	6	1	4	8				1	0	0	14			✓		8	B,D			✓		3	9	8	1	8		8				✓				✓			
4																																																
5																																																
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7																																																
8																																																
9																																																
10																																																

Column A - Trouble indication.
Column B - Any marker.
Column D - Any number in number group.
Column E - NGC-1 lamp with LLG A and D lamps in column F and XC lamp in column S indicates grounded C lead in this number group.
Columns G,H,I,J,K,L,M,N,O,P,Q,R - Have no significance.

A B C D E F G H I

NO.	LIN	LTI	TIN	TTI	OF	BB	SPL	NC	NT	NTX	NH	NHX	NN	NNX	NTT	GS	IP	IT	IPT	PN	TN	PTN	CKG	K1	K2	K3	TBK	LE	FC	AK	TK	LIL	RIL	TE	BC	GJ	SL	GC	GLH	CON	GT2	RL	PG	MKO	MK1	FL	NFL	AL	NAL	LTR	HTR	SDT	TCT	TRL	FCG	X	TIME
1																							✓	✓	✓	✓	✓		✓	✓		✓	✓	✓																	✓							X, XC	1:10
2																							✓	✓	✓	✓	✓		✓	✓		✓	✓	✓																	✓							X, XC	1:13
3																							✓	✓	✓	✓	✓		✓	✓		✓	✓	✓																	✓							X, XC	1:15
4																																																										
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Analysis of Indication: Since the LLG-D lamp repeats with the CB-9 lamp on all displays having XC lamp, it indicates that the C lead associated with HG-9 of line link D is grounded.

Immediate Procedure to Follow: Remove the HG lead in trouble.

Procedure for Locating and Clearing Trouble: Segregate by splitting multiple. Close down section of lead that tests clear by means of cord and connecting clips.

J K L M N O P Q R S