CROSSED CONTACTS OF OFFICE LINK FRAMES SS RELAYS
NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to crossed contacts on an office link frame SS relay.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Originating trouble indicator records.

3. REACTIONS DUE TO TROUBLE

3.01 This trouble causes double connections between subscribers.

3.02 Individual calls can not be completed.

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

4.02 Make busy the secondary office link switch involved in the trouble.

4.03 Make busy all districts indicated as being involved in the trouble either by the trouble indicator records or by tracing the double connections.

5. ANALYSIS OF TROUBLE

5.01 If a trouble occurs on the office link frame which causes double connections the marker will give an indication showing the absence of a B lamp but the connection that it has just set up will remain locked to the talking connection. When the district involved becomes idle to the line link frame, its connection through the district and office link frames will remain. Any marker attempting to set up a connection for this district junctor, which may have been reseized, will release and give an XSL (crossed SL lead) lamp indication.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 Hold the double connection for tracing by inserting the No. 325C tool preferably into the test jack of the district link primary switch.

6.02 Determine the cause by locating the trouble.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Cross on a pair of contacts of an office link frame SS relay.

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ORIGINATING TROUBLE INDICATOR RECORD
CROSSBAR OFFICES

OFFICE _____

DATE _____ SHEET NO. ____

NO.	TI	CT	DT	DR	GO	G 100	DL-GO	DL-G100	CF	CN	SN	OF	TL	KEL	KOL	KER	KOR	G	GT1	GT3	GS	DF	SW	M	JC	P	CHL	CHR	Z	ZCK	ZO	ZL	ZK	PS1	NC1	OT1	TC1	TCK	TP1	RP1	TPK	ZR	A	B	C	D	F	AR
1	✓			2			0,1					1	0			1						4	6	0	2	6	0										✓	✓	✓		✓							
2	✓			1					0	2	0	1	0			1		9			1,2	0	0	0	2	2	0										✓	✓		✓			2	4	5	12	10	
3	✓			0			2		1	1	6	1	0			1		9				11	9	2	2	3	5										✓	✓	✓		✓		2	4	5	12	11	
4	✓			2			0		2	1	0	2	0		4			7				3	1	0	2	6											✓			✓			2	4	6	5	3	
5	✓			2			1					1	0			4						3	0	0	2	5											✓			✓								
6																																																
7																																																
8																																																
9																																																
10																																																

Column A - Trouble indication.
Columns B and C - Any marker or sender.
Column D - A particular office link secondary switch with the absence of a B lamp in column M indicates a double connection.
Column O - An XSL lamp after no B lamp in column M indicates that the district involved was reseized before its channel was released.
Columns E,F,G,H,I,J,K,L,N,P - Have no significance.

A | B | C | D | E | F | G | H | I

NO.	OF	TP	EA	LA	SGR	CKG	K4	K5	SPE	SPO	NSE	NSO	DK	AK	TKE	TK	SR	RL	MS	CK	BK	CHE	A	C	S	SL	B	MR	S1K	MRL	ZS	Z	OT	TC	TP2	NM	RO	TB5	CRL	DT3	MR1	TRL	EC	X	SDT	OB	SD	SD1	OG	SO	CR	CL	TW	TIME
1											✓	✓	✓	✓			✓		✓	✓	✓				✓	✓		✓															✓												10:04
2		✓				✓	✓	✓			✓	✓	✓	✓		✓	✓		✓	✓	✓				✓	✓		✓															✓					✓	✓		✓	3,4	1		10:05
3		✓				✓	✓	✓			✓	✓	✓	✓		✓	✓		✓	✓	✓				✓	✓		✓															✓					✓	✓		✓	3,4	1		10:06
4						✓	✓	✓			✓	✓	✓	✓		✓	✓			✓	✓	✓																					✓	XSL				✓	✓		✓	3,4	1		10:13
5											✓	✓	✓	✓			✓		✓	✓	✓	✓																					✓	XSL											10:15
6																																																							
7																																																							
8																																																							
9																																																							
10																																																							

Analysis of Indication: Absence of a B lamp indicates a double connection. When associated with the office frame and trunk it indicates a particular secondary switch on the office frame.

Immediate Procedure to Follow: Make the secondary switch on the office frame busy. Make busy all district junctors involved.

Procedure to Locate and Clear Trouble: By means of a No. 325C plug, hold the connections for tracing. After they are traced, the cause of the double connections can be analyzed.

J | K | L | M | N | O | P