FAILURE OF OFFICE LINK AND CONNECTOR MP RELAY
NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section covers methods to be followed in connection with troubles due to failure of the MP relay of the office link and connector.

2. INDICATIONS OF TROUBLE CONDITION

2.01 Originating trouble indicator records.

3. REACTIONS DUE TO TROUBLE

3.01 Calls involved will not be completed on first trial. They may be completed on second trial.

4. IMMEDIATE PROCEDURE TO FOLLOW

4.01 Analyze trouble indicator records.

(a) If the trouble is located in the marker remove the marker from service.

(b) If the same office link frame repeats on all trouble indications, transfer to the emergency start circuit on that frame. Since the marker preference relays are duplicated in the emergency start circuit, the use of this will eliminate service reaction if the trouble is in the MP relay of the office link frame.

5. ANALYSIS OF TROUBLE

5.01 If a TL (trunk level) lamp on the originating trouble indicator is lighted it indicates that a route relay has operated; if no OF (office frame) lamp is lighted it indicates a failure of the office start lead.

6. SUGGESTED PROCEDURE FOR LOCATING AND CLEARING TROUBLE

6.01 If transferring to the emergency start circuit eliminates the reaction and the indications, restore the marker if it had been made busy and check the wiring and equipment on the office link frame.

6.02 If the indications continue after transferring to the emergency circuit, check the start lead in the particular marker indicated as being in trouble.

7. TROUBLE CONDITIONS CAUSING REACTIONS MAY BE LISTED BELOW

7.01 Open winding of MP relay in office link and connector circuit.

© American Telephone and Telegraph Company, 1941
Printed in U.S.A.

PRINTED IN U.S.A.

FORM-2623(7-39)

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	✓			0			1		0	0	9		10					9				6															✓		✓				2	4	5	12	6	
2	✓			0					4	2	3		10					6				5															✓		✓				2	4	5	12	5	
3	✓			0			1,2		0	1	7		10					0				8															✓		✓				2	4	5	3	8	
4																																																
5																																																
6																																																
7																																																
8																																																
9																																																
10																																																

Column A - Trouble indication.
Column B - Marker 0 only.
Column D - Absence of OF lamp indicates office frame start lead trouble in marker 0 to office frame for office code 245 shown in column I.
Columns C,E,F,G,H,J,K,L,M,N,O,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		✓				✓	✓	✓							✓	✓						✓																					✓				✓	✓		✓	3,4	1		7:25
2		✓				✓	✓	✓							✓	✓						✓																					✓				✓	✓		✓	3,4	1		7:26
3		✓				✓	✓	✓							✓	✓						✓																					✓				✓	✓		✓	3,4	1		7:27
4																																																							
5																																																							
6																																																							
7																																																							
8																																																							
9																																																							
10																																																							

Analysis of Indication: With the code check completed and no OF lamp, this indicates an open start lead to an office frame.

Immediate Procedure to Follow: Throw office frame cut in relays on emergency. Make marker busy if trouble is not in office frame.

Procedure for Locating and Clearing Trouble: Inspect and check ST lead between marker and office frame.

J K L M N O P