

ALARM DATA

EQUIPMENT	TYPE OF ALARM	LAMP S		TROUBLE RECORDER FRAME	OS	ALARM RELEASE	EXPLANATION
		FRAME	AISLE				
SENDER LINK AND CONNECTOR	MAJOR	AL (RED)	GREEN		101-1	AR KEY	CALL NOT SERVED IN ONE TO TWO SECONDS WITH AN IDLE LINK CONTROLLER AND AN IDLE CONTROLLER CONNECTOR AVAILABLE.
SENDER LINK AND CONNECTOR	MAJOR	DLG (AT SENDER MAKE-BUSY)	GREEN		113-1	DL KEY	SENDER LINK NOT SERVED DUE TO LACK OF FACILITIES.
CONTROLLER CONNECTOR	MINOR	CB (WHITE)	GREEN		104-1	AR KEY	ALL LINK CONTROLLERS BUSY FOR 28 TO 58 SECONDS; OR CONTROLLER CONNECTOR FAILED TO RESTORE TO NORMAL.
CONTROLLER CONNECTOR	MAJOR	B (WHITE)	GREEN	BA:S-	104-1	BA KEY	TWO OR MORE CONNECTORS MADE BUSY IN THE SAME GROUP; OR A MAKE-BUSY PLUG IN AN EA OR EB JACK OF A LINK AND CONNECTOR FRAME WHEN A MAKE-BUSY PLUG IS IN THE ASSOCIATED CONNECTOR CBR JACK.
LINK CONTROLLER	MINOR		AMBER	TRR, CLR-	115-1	TR-AR KEY	CONTROLLER REQUESTED A TROUBLE RECORD WHILE RECORDER WAS BUSY.
LINK CONTROLLER	MAJOR	TA (WHITE)	GREEN		115-1	AR KEY	CONTROLLER FAILED TO RELEASE FROM THE TROUBLE RECORDER.
INCOMING SENDER	MINOR	SS (AT SENDER MAKE-BUSY)	GREEN		132-1 144-1	SSA KEY	STUCK SENDER.
OUTGOING SENDER	MINOR	SS (AT SENDER MAKE-BUSY)	AMBER		154-1	SSA KEY	STUCK SENDER.
INCOMING AND OUTGOING SENDERS	MINOR	GB (AT SENDER MAKE-BUSY)	NONE		114-1	GB KEY	ALL SENDERS IN GROUP BUSY.
INCOMING AND OUTGOING SENDERS	MAJOR		GREEN	GGB-	114-1	TR-AR KEY	FALSELY GROUNDED SENDER GROUP BUSY LEAD.
DECODER CONNECTOR	MAJOR		GREEN	DGR,CT,DCB-	158-1	DCA KEY	FALSE GROUND ON LEADS DRL, MRL, DTRL, MTRL, TRL, RLT, CF, CA4, CA5, OR CA6.
DECODER CONNECTOR	MAJOR		GREEN	DGR1,CT,DCB-	158-1	DCA KEY	FALSE GROUND ON LEADS A-, B-, C-, D-, E-, F-, SDTI, VO OR NVO.
DECODER CONNECTOR	MAJOR		GREEN	CT, DCB-	157-1	GT KEY	CONNECTOR HAS TIMED OUT.
DECODER CONNECTOR	MINOR		GREEN	GT, DCB-	157-1	GT KEY	CONNECTOR HAS TIMED OUT AND ITS TRAFFIC SEQUENCE FEATURE IS CANCELLED.
DECODER CONNECTOR	MINOR		GREEN	CGT	156-1	GT KEY	TRAFFIC SEQUENCE FEATURE CANCELLED IN ALL DECODER CONNECTORS.
DECODER	MAJOR	TA	GREEN	DTA, DB-DTRT	179-1	TR-AR KEY	A) DECODER HAS TIMED OUT AND FAILED IN ONE OF THESE FUNCTIONS: 1. TO SUMMON THE TROUBLE RECORDER. 2. TO SEND A TROUBLE RELEASE SIGNAL. 3. TO RESTORE TO NORMAL. B) THE DECODER BD LEAD IS FALSELY GROUNDED.

ISSUE 11	AS
DATE 1-18-52	R.B.B.

4 SHEETS, SHEET 1  
MP-11769

ALARM DATA  
RM 3-9 4 SHEETS, SHEET 1

NO. 4A TOLL

BELL TELEPHONE LABORATORIES, INC.

ORDER AS BSP ITEM MP-11769

PRINTED IN U.S.A.

EQUIPMENT	TYPE OF ALARM	L A M P S			ALARM DATA		EXPLANATION
		FRAME	AISLE	TROUBLE RECORDER FRAME	OS	ALARM RELEASE	
DECODER	MINOR		AMBER	TRR	179-1	TR-AR KEY	DECODER REQUESTED A TROUBLE RECORD ON 1ST TRIAL.
DECODER	MAJOR			TRR	179-1	TR-AR KEY	DECODER REQUESTED A TROUBLE RECORD ON 2ND TRIAL.
DECODER	MINOR		GREEN	DBA	158-1	ADB KEY	ALL DECODERS IN GROUP BUSY FOR 41 TO 60 SECONDS.
INCOMING LINK AND CONNECTOR	MINOR	CH (WHITE)	GREEN		208-1	CH KEY	OPEN OR CROSS IN MP- RELAY CHAIN, CIRCUITS; IF ALARM PERSISTS AFTER OPERATING CH KEY, OPERATE MT KEY TO DETERMINE WHICH CHAIN CIRCUIT IS DEFECTIVE.
OUTGOING LINK AND CONNECTOR	MINOR	CH (WHITE)	GREEN		207-1	CH KEY	SAME AS INCOMING LINK AND CONNECTOR.
TRUNK BLOCK CONNECTOR	MINOR	CH (WHITE)	GREEN		198-1	CH KEY	SAME AS INCOMING LINK AND CONNECTOR.
CARD TRANSLATOR	MAJOR	AL		ETB/HTB/ FTB/DFTB	186-1	AR KEY	CARD TRANSLATOR HAS ONE OF FOLLOWING TROUBLES: 1. LAMP SWITCH IN INCORRECT POSITION. 2. TRANSLATOR RESTORED TO SERVICE WITH CRANK, OR CARD LIFTS OFF-NORMAL, OR GUIDE BAR NOT PROPERLY SEATED. 3. EITHER INDEX CHANNEL OPERATES WHILE TRANSLATOR IS IDLE. THIS INDICATES EITHER A MOTOR OR LAMP FAILURE.
MARKER	MAJOR	TA	GREEN	MTA, MB-, DMB-, MTRT	218-1	TAR KEY	A) MARKER HAS TIMED OUT AND FAILED IN ONE OF THESE FUNCTIONS: 1. TO SUMMON THE TROUBLE RECORDER. 2. TO SEND A TROUBLE RELEASE SIGNAL. 3. TO RESTORE TO NORMAL. B) THE MARKER BM LEAD IS FALSELY GROUNDED.
MARKER	MINOR			TRR	218-1 219-1	TAR KEY	MARKER REQUESTED A TROUBLE RECORD ON 1ST TRIAL.
MARKER	MAJOR			TRR	218-1 219-1	TAR KEY	MARKER REQUESTED A TROUBLE RECORD ON 2ND TRIAL.
MARKER	MINOR		GREEN	MBA		AMB KEY	ALL MARKERS IN GROUP BUSY FOR 41 TO 60 SECONDS.
OVERFLOW TRUNKS	MINOR		AMBER	ORA		ORA KEY	OVERFLOW REGISTER SCORED ON OVERFLOW OR REORDER TRUNK GROUPS.
REORDER TRUNKS	MINOR	RO (AT SENDER MAKE-BUSY)	AMBER			ROA KEY	REORDER TRUNK HELD TOO LONG.

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<u>EQUIPMENT</u>	<u>TYPE OF ALARM</u>	<u>LAMPS</u>			<u>OS</u>	<u>ALARM RELEASE</u>	<u>EXPLANATION</u>
		<u>FRAME</u>	<u>AISLE</u>	<u>TROUBLE RECORDER FRAME</u>			
FRAME IDENTIFICATION FREQUENCY SUPPLY	MAJOR	RED	GREEN		223-1	SA KEY	FRAME IDENTIFICATION FREQUENCY SUPPLY FAILURE. CAUSE OF TROUBLE CAN BE DETERMINED BY RED LAMPS AS EXPLAINED IN THE B.S.P.
FUSES	MINOR	FA(RED)	RED				1-1/3 AMPERE FUSE BLOWN.
FUSES	MAJOR	20A (RED)	RED				20 AMPERE FUSE BLOWN.
CARD TRANSLATOR	MAJOR			TTB	184-1		TWO OR MORE TRANSLATORS PLUGGED BUSY FOR SUBSTITUTION OF EMERGENCY TRANSLATOR.

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## IN USE LAMPS

LAMP DESIGNATION	OS	FUNCTIONAL MEANING
DB0-17	179-1	DECODER BUSY.
DCB0-19:0-2	157-1, 158-1	DECODER CONNECTOR.
DFTB0-17	186-1	DECODER FOREIGN AREA TRANSLATOR BUSY.
DFTS0-17	186-1	DECODER FOREIGN AREA TRANSLATOR EMERGENCY A-C SUPPLY.
DMB0-19	190-1	DECODER-MARKER BUSY.
ETB	186-1	EMERGENCY TRANSLATOR BUSY.
ETS	186-1	EMERGENCY TRANSLATOR EMERGENCY A-C SUPPLY.
FTB1-19	186-1	FOREIGN AREA TRANSLATOR BUSY.
FTS1-19	186-1	FOREIGN AREA TRANSLATOR EMERGENCY A-C SUPPLY.
HTB0-17	186-1	HOME TRANSLATOR BUSY.
HTS0-17	186-1	HOME TRANSLATOR EMERGENCY A-C SUPPLY.
ICB0-19	208-1	INCOMING CONNECTOR.
MKB IT OR C0-9 TC0-7	190-1, 218-1, 219-1	MARKER BUSY.
OCB0-19	207-1	OUTGOING CONNECTOR.
RO (AT SENDER MAKE-BUSY)		REORDER TRUNK.
RTO0-99	171-1	ALTERNATE TRUNK ROUTE.
S0-4	155-1	SENDER.
SLD0-29:A-F	101-1	SENDER LINK DELAY.
TBB0-14	198-1	TRUNK BLOCK CONNECTOR.

## MISCELLANEOUS LAMPS

LAMP DESIGNATION	OS	FUNCTIONAL MEANING
ADB	158-1	ALL DECODERS BUSY.
AMB		ALL MARKERS BUSY.
BLC0-5:A-F	101-1	LINK AND CONNECTOR MADE BUSY.
CCB0-5:A-F	103-1	CONTROLLER CONNECTOR BUSY.
DLR0-17	228-1	DECODER LOST TROUBLE RECORD.
GBG (AT SENDER MAKE-BUSY)	114-1	GB KEY THROWN TO SILENCE GB ALARM.
LCB0-5:A-F	104-1	LINK CONTROLLER BUSY.
LF0-29:A-F (AT SENDER MAKE-BUSY)	114-1	LF PLUG IN SENDER MB JACK.
MLR IT OR C0-9 TC0-7	228-1	MARKER LOST TROUBLE RECORD.
ORG		ORA KEY THROWN TO SILENCE OR ALARM.
SMA	178-1, 132-1, 144-1	OPEN OR CROSSED SELECT MAGNET LEAD.
SSG	132-1, 144-1, 154-1	SS KEY THROWN TO SILENCE SS ALARM.
TRG	178-1, 220-1	RELEASE AFTER TRUNK NUMBER IDENTIFICATION.
WAG (AT SENDER MAKE-BUSY)	154-1	WA KEY THROWN TO CANCEL WAITING ASSIGNMENT FEATURE IN OUTGOING SENDERS.

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