

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G31.210.3
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AT&TCo Standard

107A AND 107B TEST SETS
USE

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1. GENERAL

1.01 This section provides instructions for using 107A and 107B Test Sets. It is reissued to include instructions on the use of the monitor switch on the 53F Head Telephone Set. Descriptive and maintenance information on these test sets is given in a section of the Practices relating to outside plant tools.

1.02 Use of the 107 type sets does not eliminate the necessity for observing all prescribed precautions because of their 10,000-volt dielectric protection. All precautions relating to checking the line for clearance from electric wires must be observed.

2. USE OF 107A AND 107B TEST SETS

2.01 The 107A and 107B Test Sets may be used for talking and testing on the following types of circuits:

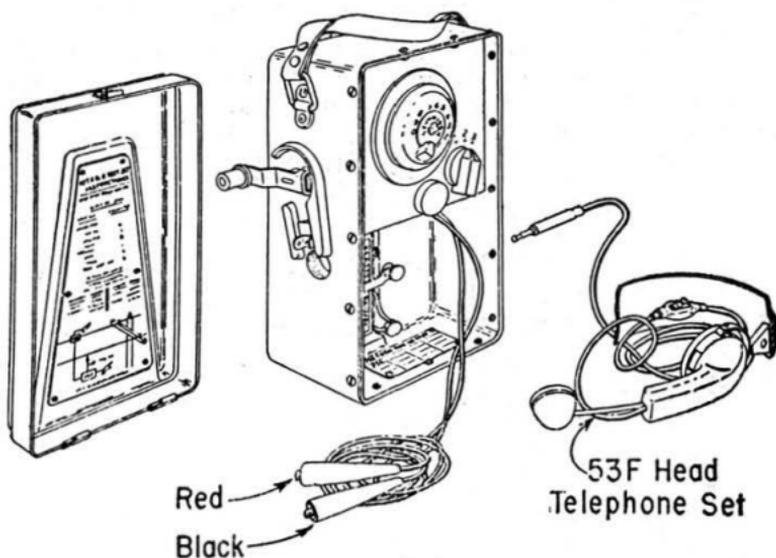
- (a) Manual common battery subscriber's circuits.
- (b) Magneto subscriber's circuits.
- (c) Toll open wire circuits equipped for 20-cycle ringing or for composite telegraph operation (135-cycle ringing). By using a 1A lineman's whistle, these sets may also be used on toll open wire lines equipped for 1000-cycle ringing.
- (d) Toll open wire circuits equipped for carrier operation.

2.02 The 107B Test Set contains a dial which makes this set suitable for operation in dial central office areas.

3. OPERATION OF 107A AND 107B TEST SETS AS TALKING SETS

3.01 The 107A and 107B Test Sets are used as talking sets in the following manner:

- (1) Insert the 53F Head Telephone Set plug into the jack with the transmitter monitor switch in the OFF position.
- (2) Turn the switch of the 107 type set to position 2. This will permit noiseless attachment of the line leads on the line.
- (3) Connect the line leads to the line wire.
- (4) After monitoring turn transmitter monitor switch on and turn the switch of the 107 type set to position 1, 2 or 3 as indicated.



TALK AND SIGNAL

<u>TYPE OF LINE</u>	<u>SWITCH POSITION</u>
EXCHANGE	
MAGNETO	3
COMMON BATTERY	1
DIAL	3
TOLL	
20 ~	1
135 ~	2
1000 ~ (1A WHISTLE)	1
LINEMAN TO LINEMAN	3

(5) Signaling is accomplished by means of the hand generator for exchange magneto lines and for toll 20-cycle and 135-cycle lines. It is accomplished by means of the dial for exchange dial lines and by means of the 1A Whistle for 1000-cycle toll lines. Signaling is accomplished by turning the switch to position 1 on exchange common battery lines.

4. ANNUAL ELECTRICAL INSPECTION

4.01 Each 107A and 107B Test Set shall be returned annually for an electrical retest. The date (month and year) for retest shall be stamped on a marking plate at time of manufacture and at each subsequent retest.

4.02 The marking plate is fastened in the space below the battery in the 107 type sets.