

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G86.054.1
Issue 2, April, 1956
AT&TCo Standard

TELEPHONE SETS

Contents	Page
1. General	1
2. 52E Head Telephone Set.....	1
3. 52D Head Telephone Set.....	3
4. 6066A Telephone Set.....	4
5. 6067A Telephone Set.....	4
6. F1H Hand Set.....	5
7. 1011 Type Hand Set	6
8. 52A Test Set.....	6
9. 55A Test Set.....	7
10. 62A Test Set.....	8
11. 63A Test Set.....	9

1. GENERAL

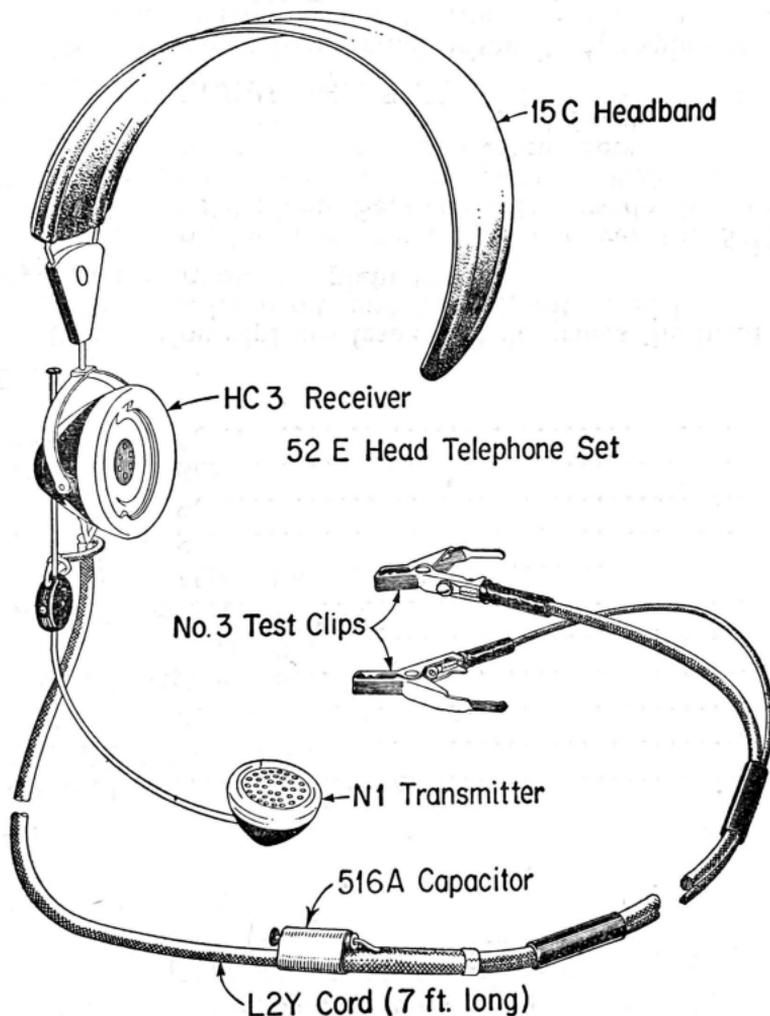
1.01 This section replaces Issue 1. It describes the head telephone sets, hand sets and dialing units used for communicating purpose by outside plant forces.

1.02 The section has been rewritten to cover the 52E and 52D Head Telephone Sets which supersede the 55A and 63A Test Sets, respectively, as well as the 6066A and 6067A Telephone Sets and the F1H and 1011 Hand Sets.

2. 52E HEAD TELEPHONE SET

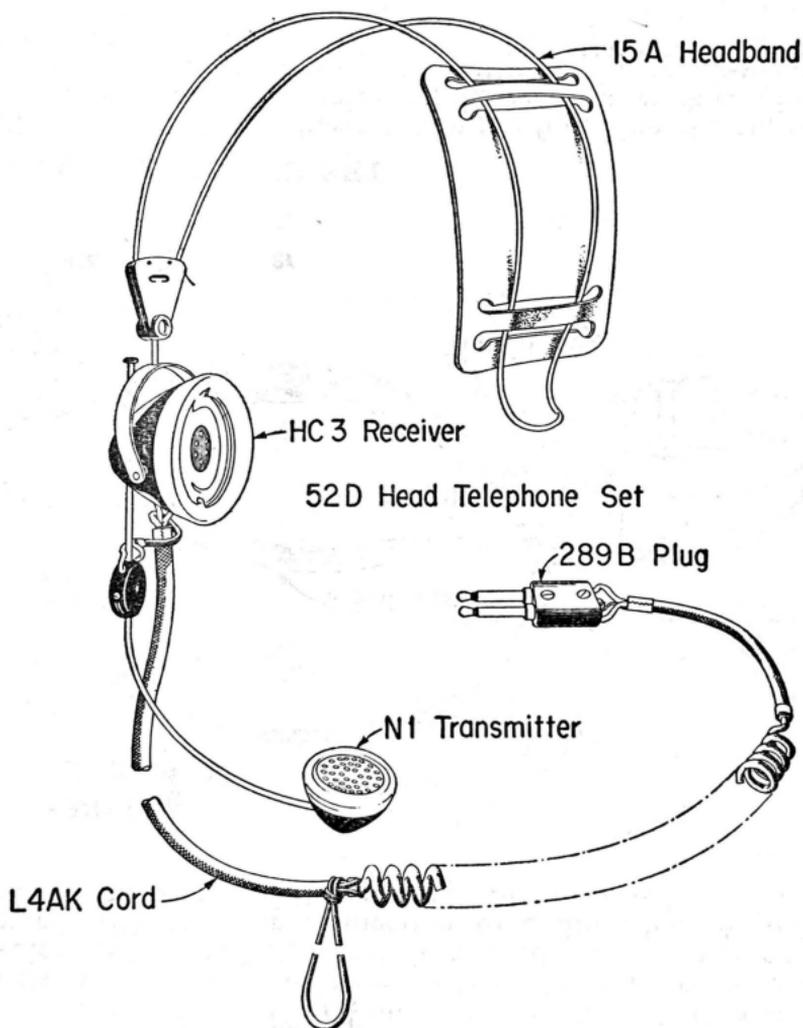
2.01 This set, which is intended primarily for splicing forces and illustrated in the following sketch, consists of an HC3 Receiver and an N1 Transmitter connected in series with an L2Y Cord. The free ends of the cords are equipped with No. 3 Test Clips. A 516A Capacitor integral with the cord is for

use in testing working pairs without causing interference. The receiver is equipped with a 15C Headband. In addition to its use in identifying conductors and communicating between splices, the set can be used to communicate through manual offices and, in conjunction with a 52A Test Set (dial unit), can be used to communicate through dial offices.



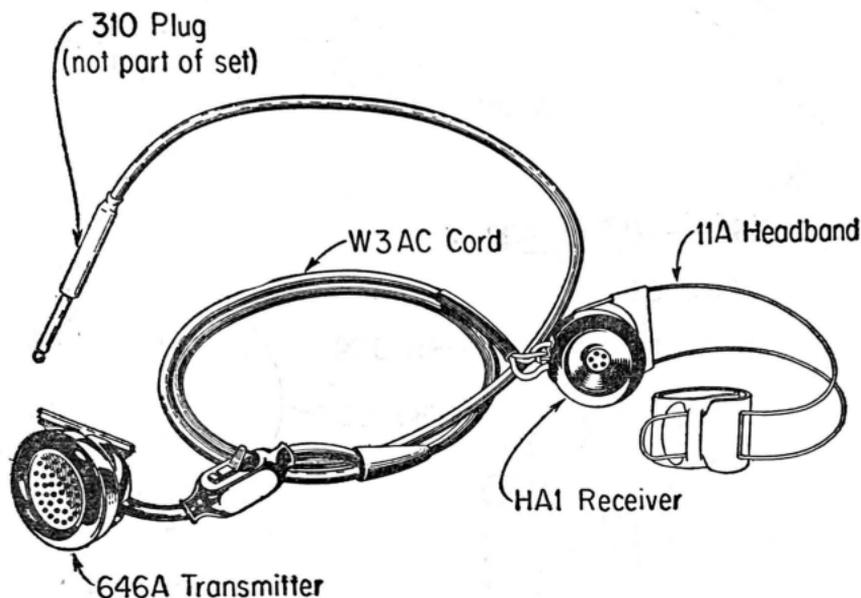
3. 52D HEAD TELEPHONE SET

3.01 This set, illustrated in the following sketch, consists of an HC3 Receiver and an N1 Transmitter connected in parallel with an L4AK Cord (retractile, 3 feet long extending to 15 feet) and a 289B Plug. The receiver is equipped with a 15A Headband. The set is intended for communicating purposes with a local battery talking set such as the 84A Test Set.



4. 6066A TELEPHONE SET

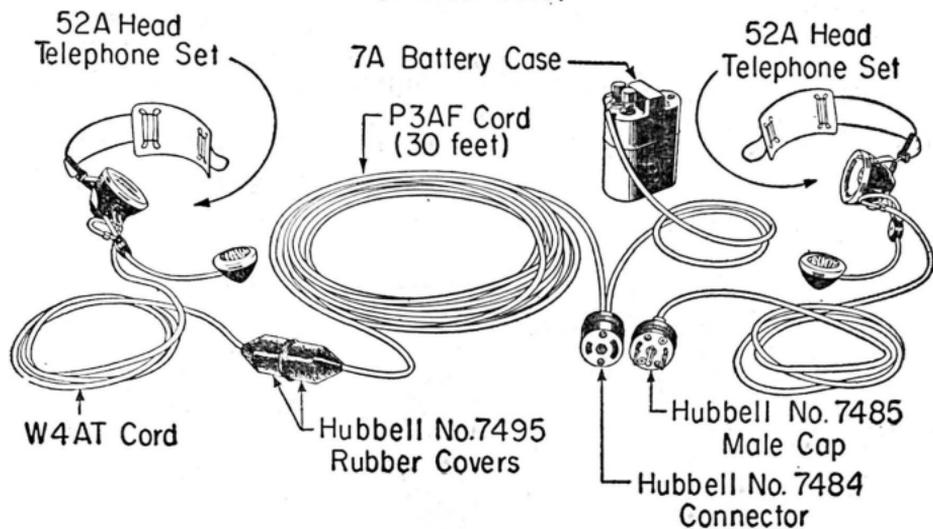
4.01 This set, intended for use with the 85-, 86-, 87- and 88-type test sets and illustrated in the following sketch, consists of an HA1 Receiver and a 646A Transmitter connected in series with a W3AC Cord. The cord, at the free end, is equipped with tips for connection to a 310 Plug. A locking switch, which is part of the cord, must be operated to talk.



5. 6067A TELEPHONE SET

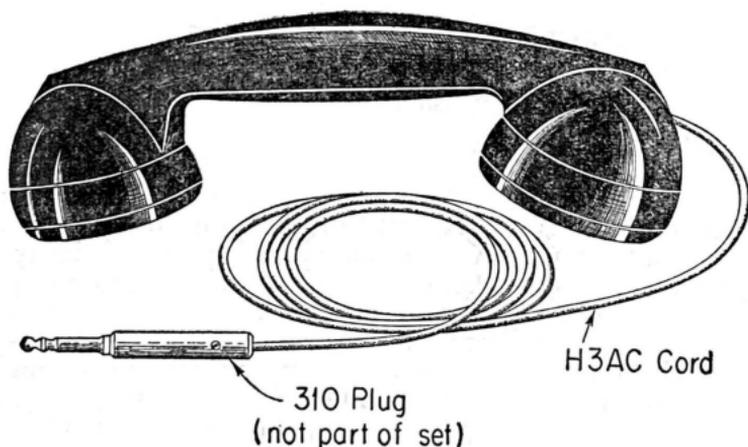
5.01 The 6067A set, illustrated in the following sketch, is intended for communicating between the workman in the cab and the man working on the platform of a trunk-mounted ladder. The apparatus consists of a KS-14132 Carrying Case (8 x 11 x 4-3/4 inches) containing the following parts. Two 52A Head Telephone Sets less the L4G Cords, No. 289 Plugs and P-478356 Cord Fasteners, but equipped with W4AT Cords each equipped with a Hubbell No. 7485 Male Cap and Hubbell No. 7495 Rubber Cover, one P3AF Cord equipped with two Hubbell No. 7484 Connector Bodies and two Hubbell No. 7495 Rubber Covers and one No. 7A Battery Case. Two KS-6522 Dry Batteries are required for operation but these are not furnished with the set and must be ordered separately.

6067A TELEPHONE SET
(Without Case)



6. FIH HAND SET

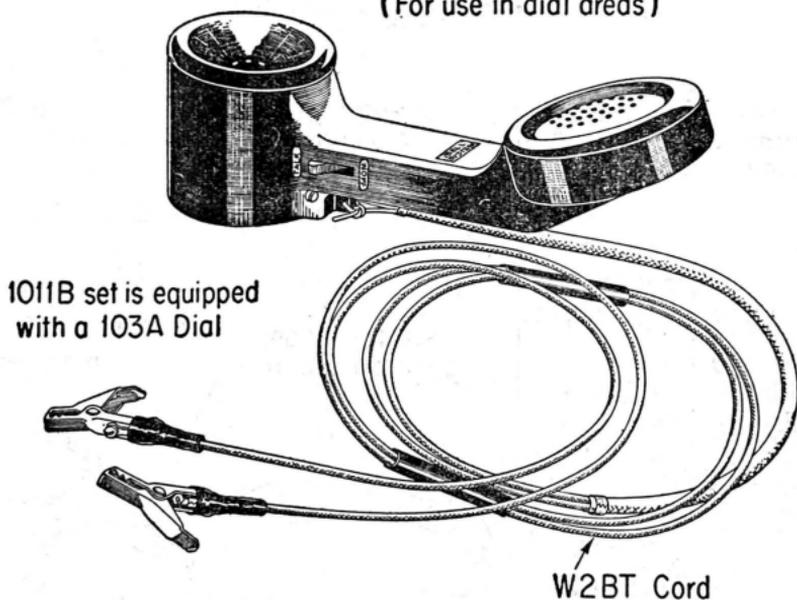
6.01 This set, illustrated in the following sketch, may be used in place of the 6066A Telephone Set for communicating purposes with the 85-, 86-, 87- and 88-type test sets.



7. 1011 TYPE HAND SET

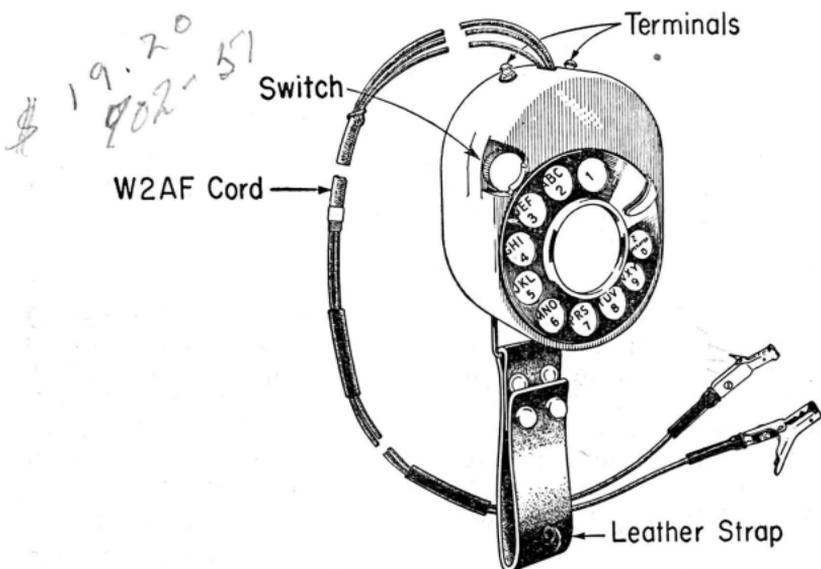
7.01 The 1011-type hand set, while intended primarily for use by installers and repairmen, may also be used by outside plant forces. The 1011A Hand Set is intended for use in manual central office areas and the 1011B Hand Set in dial areas. The set is illustrated in the following sketch. This type set consists of a soft rubber handle containing a transmitter, a receiver, a capacitor, a switch for cutting the capacitor in or out of the circuit for monitoring purposes, and a W2BT Cord. In addition the 1011B set is equipped with a 103 Dial. A KS-8402 Snap is available for carrying the hand set on a lineman's belt; this item must be ordered separately.

1011A Hand Set
(For use in manual areas)
1011B Hand Set
(For use in dial areas)



8. 52A TEST SET

8.01 The set, illustrated below, is a dialing unit for use with the 52E Head Telephone Set, or the 55A or 62A Test Sets. It consists of a dialing mechanism, a 152A Condenser and a switch contained in an aluminum case. The set is equipped with a W2AF Cord and a leather strap for suspending the unit from a belt. The switch is of the locking type and is for placing the capacitor in or out of the circuit. A red spot appears when the capacitor is shorted out of the circuit.

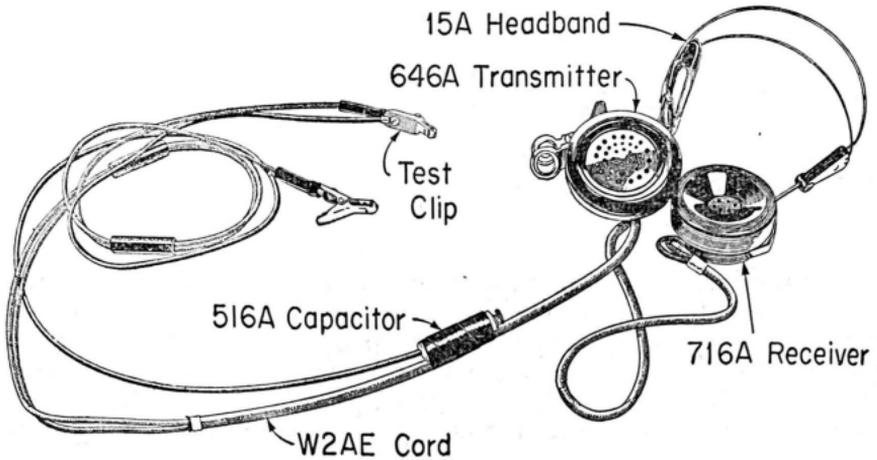


8.02 To use the set, connect the cord of the 52E Head Telephone Set or the 55A or 62A Test Set to the terminals and, with the capacitor in the circuit, connect the 52A Test Set to a cable pair. If the circuit is free, rotate the capacitor switch, wait for tone and then dial the number desired.

9. 55A TEST SET

9.01 This set, which has been superseded by the 52E Head Telephone Set, is illustrated in the following sketch. It consists of a 716A Receiver and a 646A Transmitter connected in series with a W2AE Cord. The receiver is equipped with a 15A Headband and the transmitter with a spring clip for attaching the transmitter to a coat lapel, shirt or other garment.

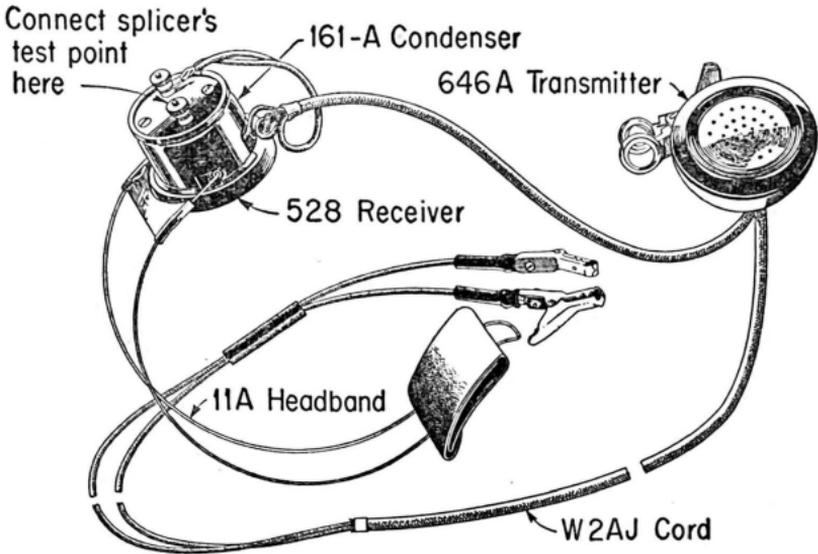
55A TEST SET WITH 516A CAPACITOR



9.02 Where a capacitor is required in the test circuit to avoid interference to working lines in identifying pairs with a test pick or test point, the 516A Capacitor should be used. The method of connecting the 516A Capacitor to the 55A Test Set is shown in the above sketch. The test point or test pick should be connected to the terminal on the 516A Capacitor.

10. 62A TEST SET

10.01 This set is shown in the following sketch. While the manufacture of this set was discontinued some time ago, a large number of these sets are still in use. The set consists of a 528A Receiver and a 646A Transmitter connected in series with a W2AJ Cord. The receiver is equipped with an 11A Headband and a 161A Condenser. In identifying conductors, the test point or test pick is connected to the screw terminal on the 161A Condenser.



11. 63A TEST SET

11.01 This set, which has been superseded by the 52D Head Telephone Set, is illustrated in the following sketch. It consists of a 716A Receiver equipped with a 15A Headband, a 646A Transmitter, a W4Y Cord and a 289B Plug.

