

*W. L. Chief*

## ERICOFONS BSP AND OTHER TYPES

### 1. GENERAL

1.01 This section covers description, identification, use, installation, connections and maintenance for the Ericofon BSP (See Para. 3.01), and for other type Ericofons that may be encountered in the field.

1.02 Ericofons will be provided by the customer and will have been obtained from L.M. Ericsson Limited, or from an accredited representative. They may be in one of the following colours: red, pink, yellow, mint green, blue, pale grey, ivory, beige or white.

1.03 The Ericofon BSP has a modified sidetone circuit. It has been made available in the Canadian market only.

### 2. DESCRIPTION

2.01 The Ericofon BSP and other type ericofons are basically a one-piece hand telephone set (See Fig. 1). They are a self-contained unit except that they do not include a ringer. To use, lift the set allowing the stand switch, located in the base, to operate completing the connection, (off-hook condition). To disconnect, stand the set on its base restoring the stand switch which opens the circuit, (on-hook condition). The dial which forms most of the bottom surface of the base is brought into convenient dialing position by lifting and tilting the set so that the bottom is toward the user. (See Fig. 2).

2.02 The main components of the Ericofon are as follows:

- (a) A plastic case with a sealed-in receiver unit.
- (b) A transmitter unit mounted on the inside of the base at the front.

(c) A base assembly containing the dial, stand switch, induction coil, varistor, capacitors, resistors and terminals.

(d) An ivory, three-conductor cord with PVC conductor insulation and jacket. The cord is a combined coiled and straight cord. The straight portion is approximately 3½ feet long and the coiled portion will extend approximately another 3½ feet.

2.03 The stand switch consists of a plastic button which actuates a horizontal spring pile-up.

2.04 The induction coil and capacitors are miniaturized components mounted on the base assembly.

### 3. IDENTIFICATION

3.01 The Ericofon BSP is identified by the letters BSP that stand for "Boeryd Special". The letters are in blue on a clear decal. By aligning a hole in the dial finger wheel with the transparent finger stop, the letters BSP will be visible on the decal, attached to the dial frame, directly below the finger stop. (See Fig. 3).

3.02 Ericofons BSP that have been modified to provide for automatic number identification (ANI), as a wiring option, are identified by a yellow mark near the letters BSP.

3.03 Other type ericofons will not be identified by the letters BSP, but may or may not have a yellow mark at the location designated in Para. 3.01 and in Fig. 3. Those that have met certain tests in the Northern Electric shops will be identified by the mark. The mark signifies that in addition to meeting the tests referred to above, the set has been modified to provide for ANI as a wiring option.

## 4. USE

**4.01** Ericofons BSP may be connected as a main or extension station in transmission zones 2 and 5 only. When connected as a main station, a separate ringer must be provided. When connected as an extension station, provision of a ringer is optional. Where a ringer is used normal ringer limitations apply.

**4.02** Ericofons BSP may be connected as a single line station for individual or multiparty service. They may also be connected for 2-party service providing they have been modified as indicated by a yellow mark near the letters BSP.



*Sets used as either a ring or tip party must have the ANI wiring option.*

**4.03** Other type ericofons, identified in accordance with Para. 3.03, (yellow mark), may be connected to provide the services covered in Paras. 4.01 and 4.02, including 2-party service. These sets have the ANI wiring option.

**4.04** Ericofons which are to be used for:

- (a) Individual or multiparty service and do not have the letters BSP or a yellow mark,
- (b) 2-party service, but do not have a yellow mark independent of whether the letters BSP are shown or not,

must be forwarded to the Northern Electric Company for test and/or modification as required in accordance with the procedure covering Connection of Customer Provided Telephones. These sets, returned to the field, in accordance with the above mentioned procedure and with the required identification, may be connected.

## 5. INSTALLATION

**5.01** For installation purposes, ericofons have been classified as a desk hand telephone set. Section 502-120-200, entitled Selection of Indoor Locations, and Section 502-120-201, entitled Indoor Locations — Installation, are general guides which apply to the installation of these sets.

**5.02** The mounting cord will be terminated at a QBB1A connecting block or an E1A ringer. To connect the cord to a QBB1A connecting block the grommet on the cord shall clear the cord stay by approximately  $\frac{1}{8}$  of an inch to allow the cord to fit into the entry opening. Where an E1A ringer is provided, the set may be terminated on a QBB1A connecting block and the block wired to the ringer. If the set is connected directly to the E1A ringer, the mounting cord must be fed through the entry that is closer to the connecting terminals in the E1A ringer.

**5.03** Standard station protection must be provided.

**5.04** At the time of initial installation, the Ericofon BSP, in addition to the identification on the frame of the dial, covered in Para. 3.01 and in Fig. 3, will have a removable adhesive sticker across the transmitter holes at the front of the set. Wording on the sticker will be as follows: **"BSP Model. This sticker to be removed by Tel. Co. Installer."**

**5.05** The station number card holder is located between digits 8 and 0 in the dial face plate. To insert a number card, expose the card holder slot by folding back the gasket that fits around the base of the ericofon. Use a Form E-5002A, cut off the area code portion, insert the number card and allow gasket to return to normal position.

**5.06** Verify the items shown under "Service Check" in Section 502-120-201. Include in the instructions to the customer, the importance of the ericofon being upright unless in use, and, when necessary to leave the ericofon momentarily during the course of a call, that it be placed on its side in order to avoid loss of the connection.

## 6. CONNECTIONS

**6.01** Connections are shown in Fig. 4. It is important that ground be connected to the red (R) conductor of the mounting cord for 2-party (tip) automatic number identification (ANI), but this conductor must be open from the instrument out, for individual, multiparty or 2-party (ring) service.

**6.02** Where a ringer is required, an E1A should be used.

**6.03** Termination of the ericofon mounting cord should be as covered in Para. 5.02. Station wire conductor colours and connecting block terminal designations shall match, but are not carried through to include mounting cord conductor colours.

## **7. MAINTENANCE**

**7.01** Limit field maintenance to inspection.

When a set is in trouble or the cord is defective, remove the set from service and connect a black 500-type telephone temporarily. Advise the customer that we will forward the ericofon to the Northern Electric Company and

that arrangements for reconnection will be made when repair has been completed in approximately one month. Make out the necessary forms and ship the set in accordance with the Procedure for Customer Provided Telephones.

**7.02** If the housing of the set is damaged or broken, proceed to replace the set as above. However, advise the customer that in order to restore the ericofon to service, a new housing is necessary which *he* may obtain from the original supplier. In the event that the customer is undecided with regard to replacement of the housing, give a demonstration of suitable Company service or equipment. Independent of the service the customer decides upon, give the customer-provided telephone to the customer and follow the additional instructions covered in the Customer Provided Telephone Procedure.



Fig. 1 – Ericofon BSP

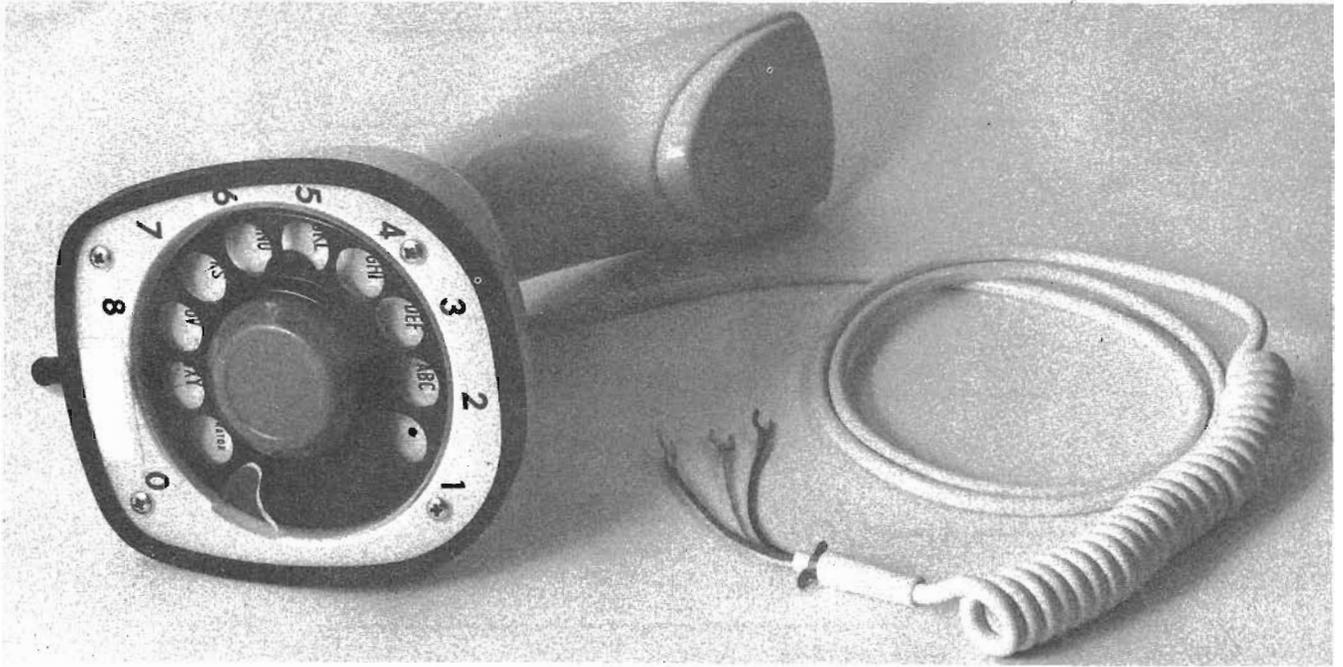


Fig. 2 — Ericofon BSP — Bottom View

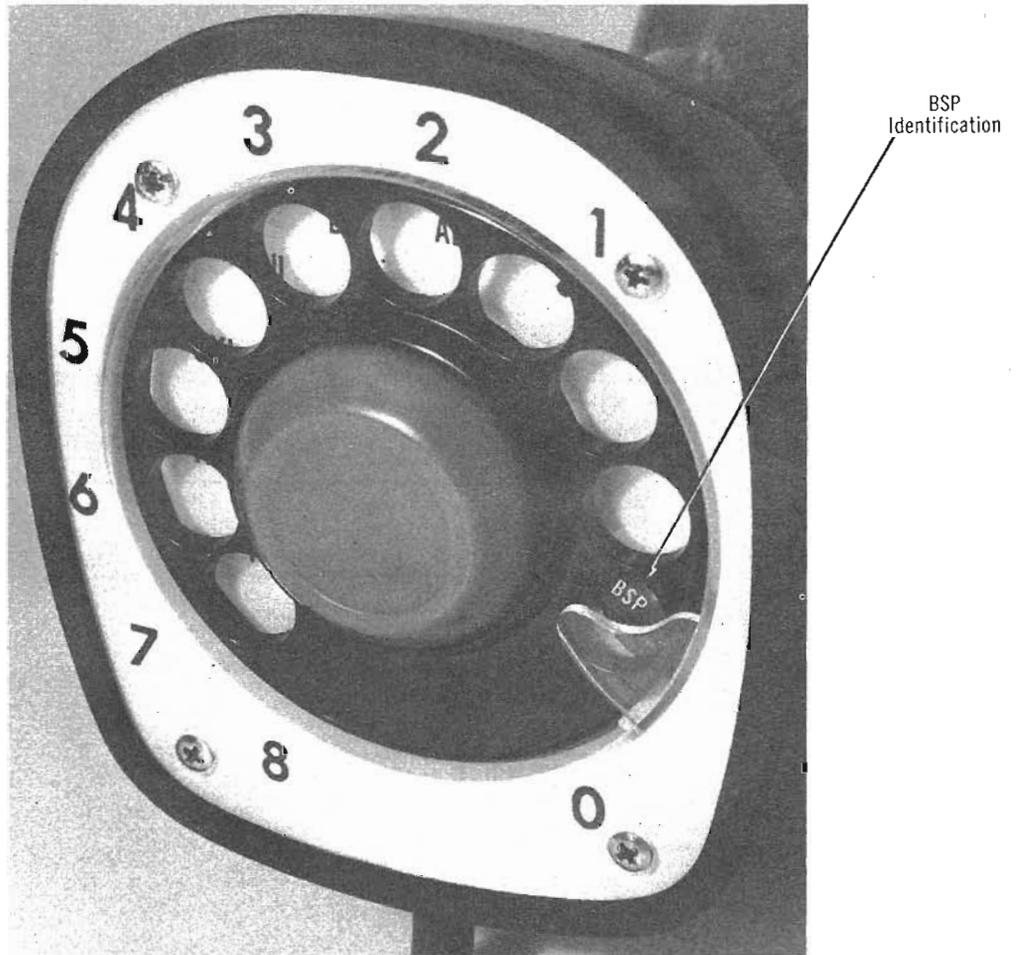


Fig. 3 — Ericofon BSP

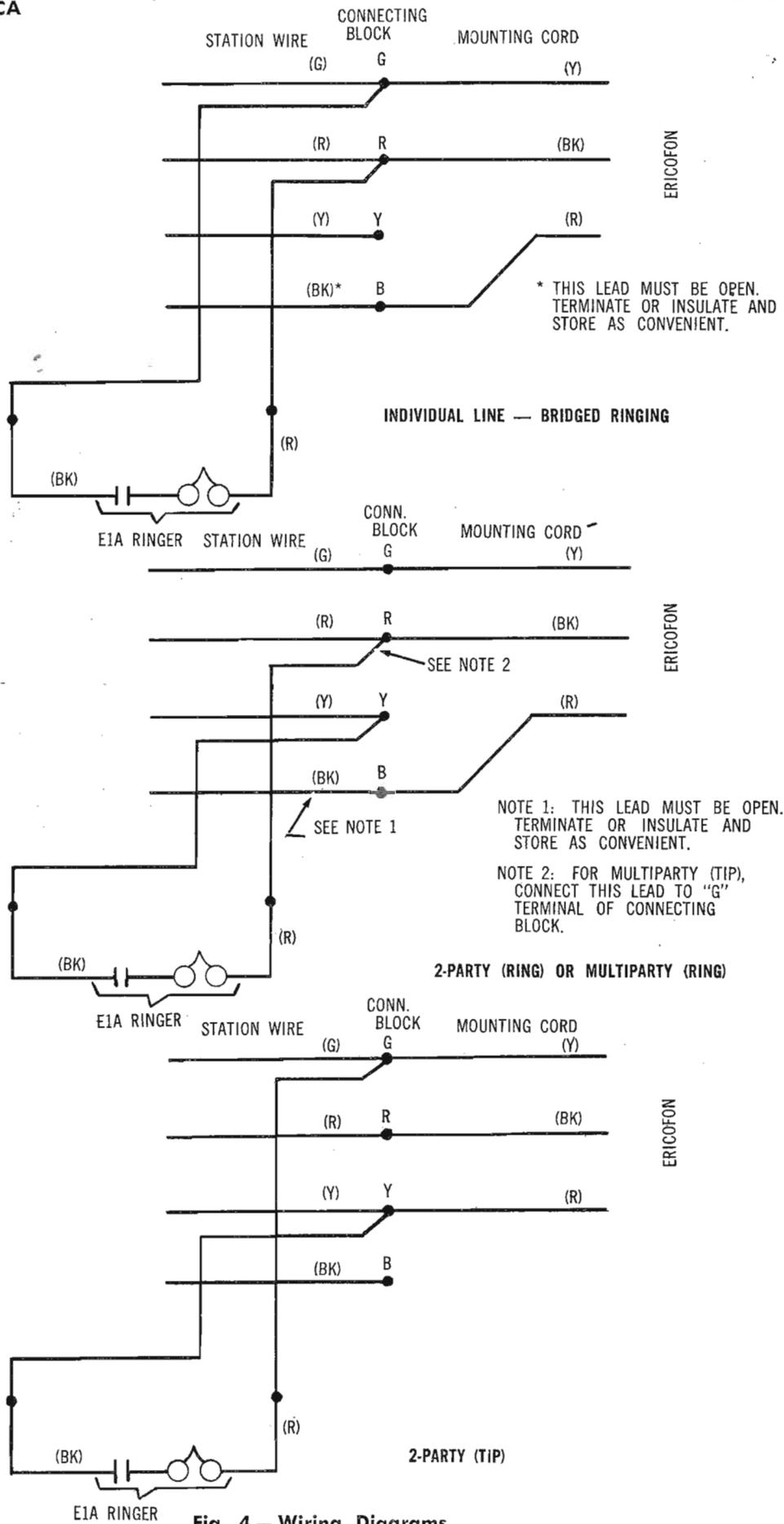


Fig. 4 — Wiring Diagrams