



CONSTRUCTION AND
MAINTENANCE PRACTICES
OUTSIDE PLANT

SECTION 23

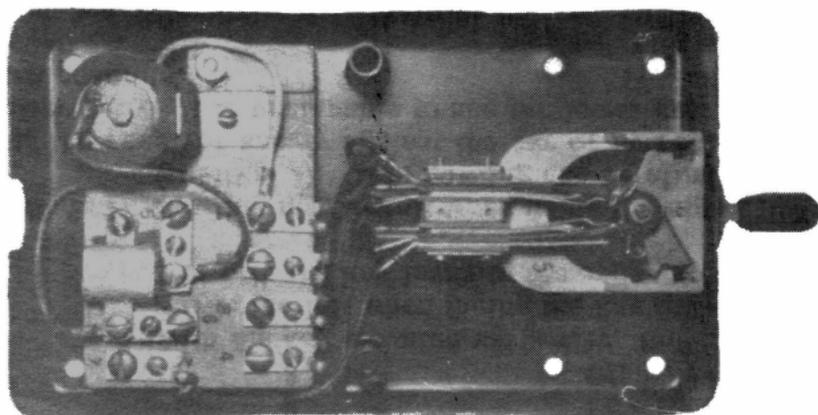
PART 106

6030A KEY FOR SUBSCRIBERS
WITH IMPAIRED HEARING

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106. 1 GENERAL: This part covers the common battery station connections for the externally mounted 6030A key which is used principally to provide increased receiver volume for subscribers with impaired hearing. The 6030A key is used with the North Electric H6, H8, and Leich 700 type telephone sets for party line service. Western Electric 332AW-3 telephone sets should be used only on main line installations.

106. 2 DESCRIPTION: The following illustration shows the interior of the 6030A key.



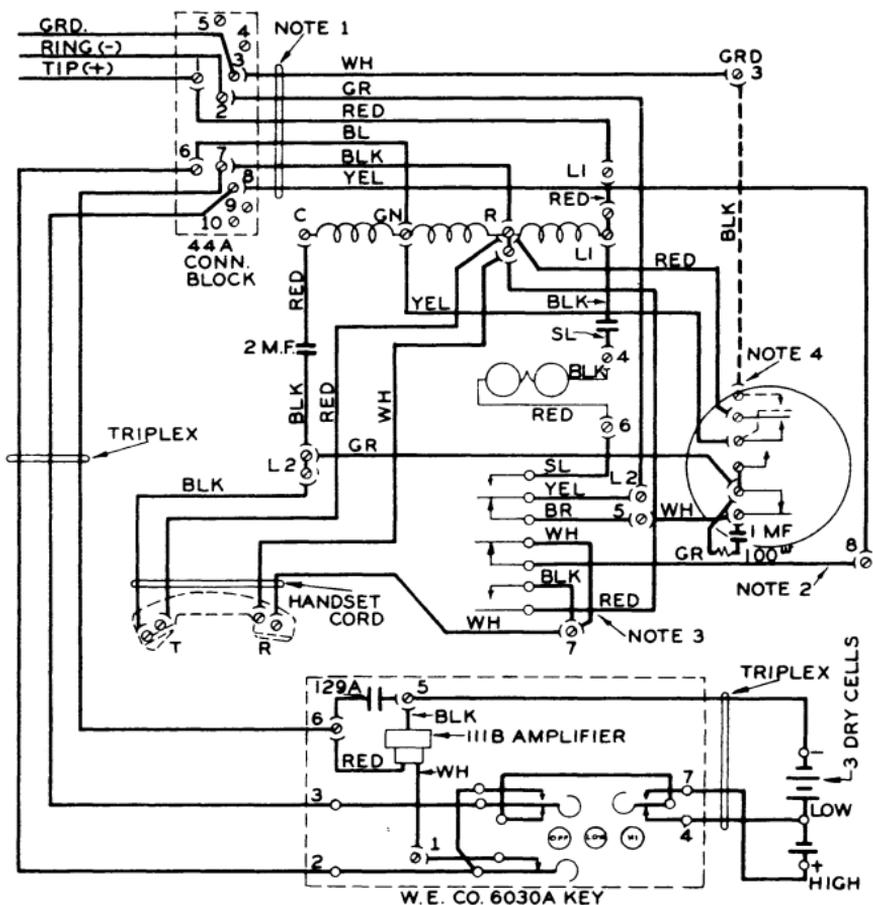
106. 2-a The three positions of the lever type key provide the following:

<u>*Key Lever Position</u>	<u>Amplifier Connection</u>
1	High Gain
2	Low Gain
3	Off

*With the key mounted vertically, the cover towards the left when facing the key lever, position 1 is with the key lever in the uppermost position.

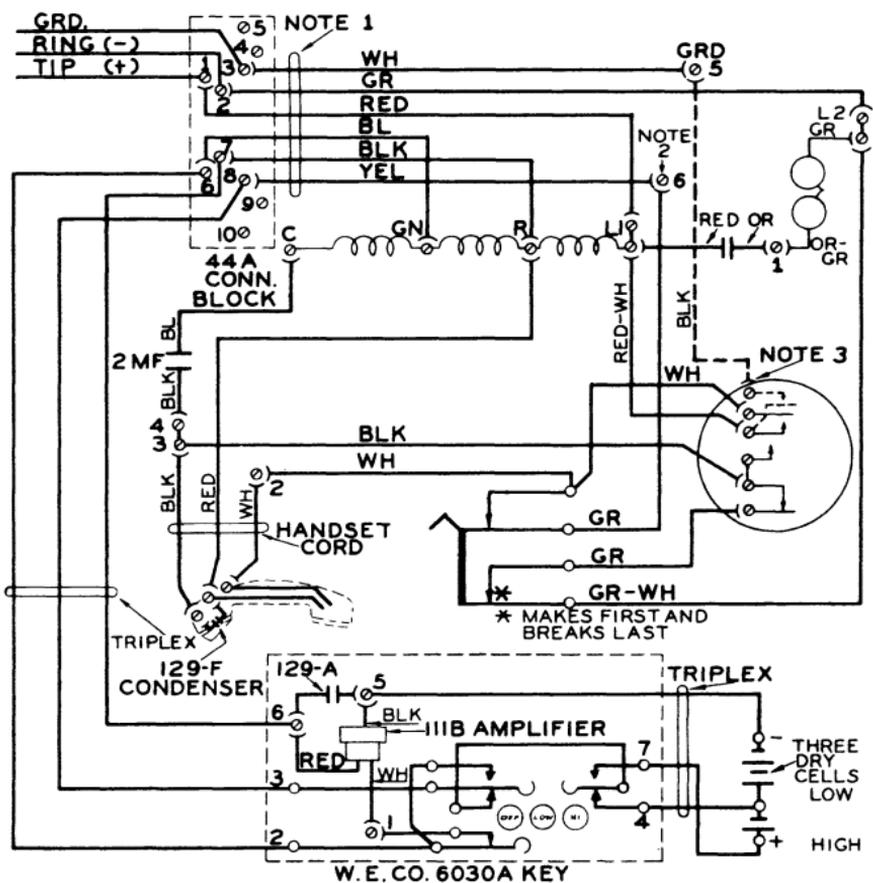
106. 2-b Howling may result when using the high gain (position 1). This howling can be eliminated by holding the receiver snugly against the ear or by reducing the amplifier gain. It is preferable to use the lower gain (position 2) when possible.

106. 2-c Normally the amplifier battery supply consists of three No. 6 dry cell batteries in a 3A battery box. With low gain (position 2), two of the cells are connected to the circuit; with high gain (position 1), all three cells are connected to the circuit. Where maximum gain provided by the 3 cells is not required, two cells may be used with one cell connected to the circuit for low gain and two cells connected to the circuit for high gain.



**LEICH ELECTRIC CO. 700 SERIES TELEPHONE SET
MODIFIED FOR USE WITH W.E. CO. 6030A KEY**

- NOTE 1. REPLACE 3 CONDUCTOR LINE CORD WITH W.E. D6P-9 CORD.
 NOTE 2. MOVE GR WIRE FROM GN TERMINAL OF INDUCTION COIL TO TERMINAL 8 OF CONNECTING BLOCK.
 NOTE 3. HOOKSWITCH SHOWN WITH HANDSET REMOVED.
 NOTE 4. DOTTED LINES INDICATE CONNECTIONS FOR SETS EQUIPPED WITH SPOTTER DIALS.



**NORTH ELECTRIC CO. TELEPHONE SET MODIFIED
FOR USE WITH W.E. 6030A KEY**

NOTE 1. REPLACE 3 CONDUCTOR LINE CORD WITH W. E. D6P-9 CORD.

NOTE 2. MOVE GR WIRE FROM GN TERMINAL OF INDUCTION COIL TO TERMINAL 6 OF TERMINAL STRIP.

NOTE 3. DOTTED LINES INDICATE CONNECTIONS FOR SETS EQUIPPED WITH SPOTTER DIALS.