

American Telephone and Telegraph Company

BELL SYSTEM PRACTICES
Teletypewriter and Manual
Telegraph Station and PBX
Installation and Maintenance

ADDENDUM P60.101
Issue B, 8-1-44
Long Lines Department
Dist. Class. 607.2AC

63C1 TELEGRAPH LOOP SWITCHBOARD

1. GENERAL

1.00 This issue supersedes Issue A.

1.01 This addendum covers the following items:

- (a) Minor corrections in the text of Issue 2 of Section P60.101.
- (b) Information on terminating a service telephone.
- (c) Information on converting "miscellaneous" jacks in 63C1 switchboards for use as "set" jacks.

It is reissued to add Items (a) and (c) and to make additions to Item (b).

2.06 Change this paragraph to read as follows:

A series of mounting boards is available for installations requiring more than one 63C1 loop switchboard. These mounting boards are available in 8 shapes and sizes for arranging 2, 3, 4, 5, or 6 switchboards side by side, 2 switchboards one above the other, 4 switchboards in two rows of two each, and 6 switchboards in two horizontal rows of three each. The mounting boards which are made of wood, finished in walnut, are constructed to provide a space between the board and the wall to make room for fanning out the external wiring to the group of switchboards.

4. SERVICE TELEPHONE TERMINATION

4.01 When a service telephone is provided it should be terminated as described in Paragraph 4.02 if the loops are not equipped with wave shaping sets, and as described in Paragraph 4.03 if the loops are equipped with wave shaping sets.

4.02 When the loops are not equipped with wave shaping sets, the service telephone should be wired into the 63C1 switchboard. It should normally be wired to the "set" jack associated with the spare loop.

4.03 When the loops are equipped with wave shaping sets, it is necessary to provide means for disconnecting the wave shaping set from the loop on which the telephone is to be used so that voice transmission will be satisfactory. The recommended arrangement for this purpose is shown in Figure 8, which was reproduced from Long Lines Department Drawing S-8241-142. With this arrangement the telephone may be used with either of two loops, or may be disconnected from both loops, depending upon the position of the three position key.

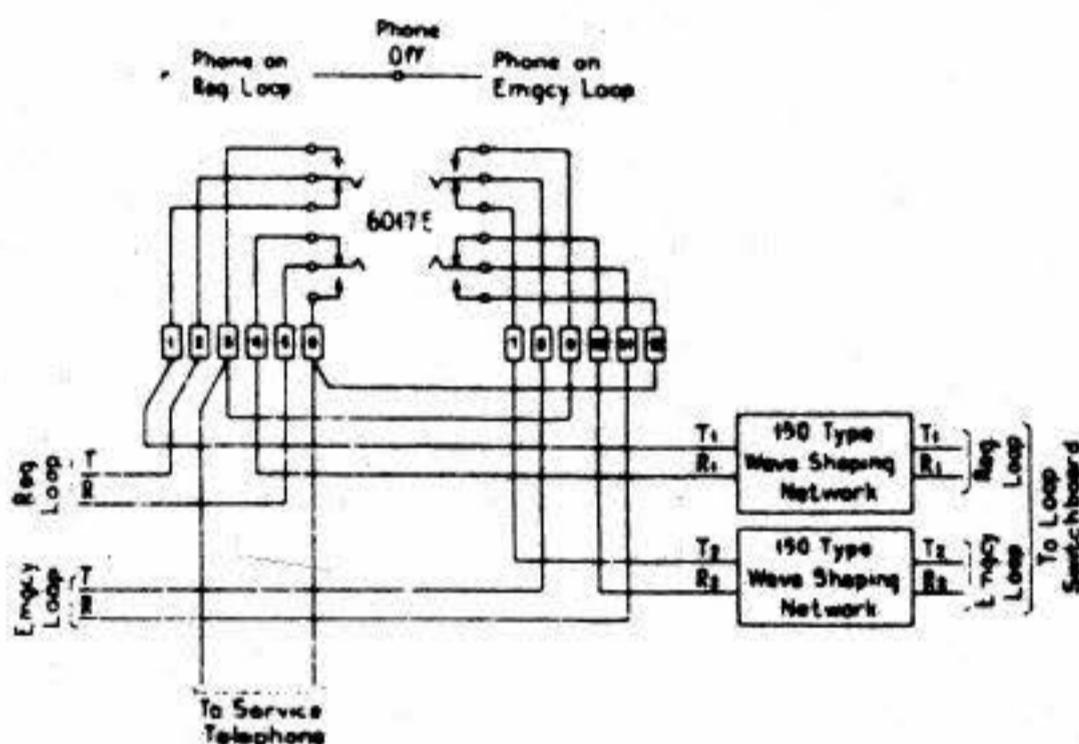


Fig. 8 - Connection of Service Telephone when Loops are Equipped with Wave Shaping Sets.

5. CONVERTING "MISCELLANEOUS" JACKS TO "SET" JACKS

5.01 In some offices the equipment arrangements are such that it is desirable to have normally more than one unit of equipment connected to certain of the loops. This requires the use of additional "set" jacks. Where there are enough spare jack strips in the board this requirement can be taken care of by connecting jack strips in series as required.

However, if this procedure would result in the provision of more loop boards than would be provided otherwise, consideration should be given to providing the required "set" jacks by replacing some of the "miscellaneous" (303A) jacks with 438C jacks, wiring them as "set" jacks. This would provide a total of two "set" jacks per strip. In general, economy and the availability of material should be the governing factors in determining which method to use.

5.02 The material required for each such jack replacement is one 438C jack and a small amount of 22 DSCL wire, single. The jack circuit wiring before modification is shown in Figure 1. The jack circuit wiring after modification is shown in Figure 9, which was reproduced from Long Lines Department Drawing S-8610-143.

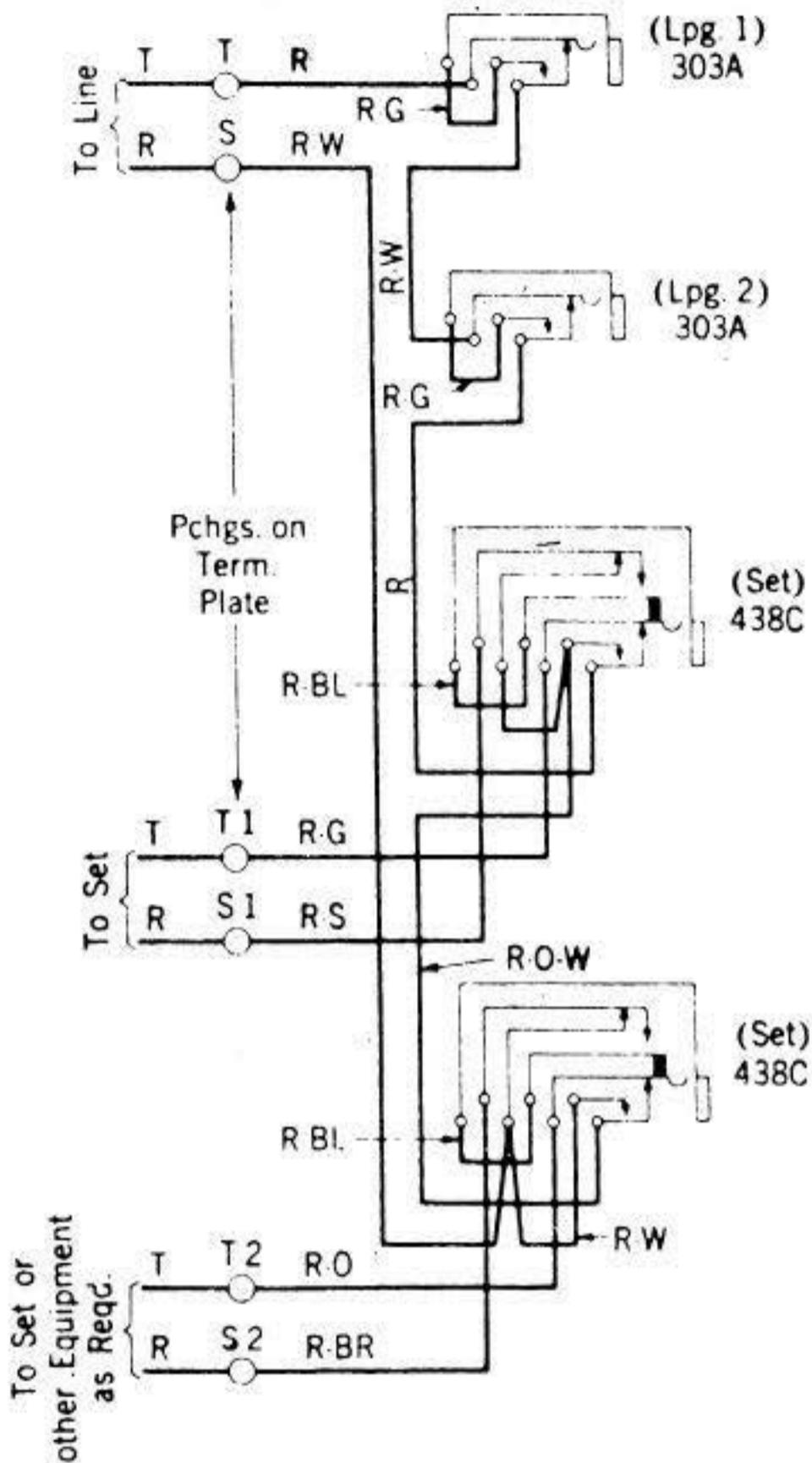


Fig. 9 - Jack Circuit Wiring, after Modification, to Provide Two "Set" Jacks.