CALL BOX CIRCUITS - BRIDGED LEASED LINES

1. GENERAL SEE ADDENDUM

1.01 This section provides installation and maintenance information in connection with a bridged leased line call box arrangement provided for the Radio Corporation of America. The call boxes are used to summon messengers from message centers maintained by the R.C.A.

1.02 The circuits shall be installed and maintained by the Telephone Company up to the connecting block which will be installed near the call box location.

1.03 Each leased line (identified by an "LL" number) is extended from a message center over trunk and subscribers cable conductors to the main building cross-connection box or frame at the address at which the call box is to be located. From this point the Telephone Company, by the use of house, private line or other local cable pair, and inside wire, extends the circuit to the connecting block which will be installed near the call box location. This is an initial loop.

1.04 If a second call box is to be installed on this leased line at the same address (this is an additional loop) it is to be bridged to the initial loop. A separate house cable pair is to be used for each loop.

1.05 The Service Order for an initial loop will be endorsed "ILL LP RTF" in the SE and R space and will bear a feeder assignment. An order for an additional loop will be endorsed "ILL LP HSE 1.00".

1.06 The R.C.A. determines the number of call boxes to be connected to each leased line. The call boxes are owned, installed, connected and maintained by the R.C.A. The R.C.A. also runs, cuts in at the call boxes and maintains the inside wire which is left coiled up at the connecting block on the baseboard.

2. INSTALLATION

2.01 No installation work shall be performed on these circuits unless authorized on a Service Order or a Plant Order.

2.02 The Installer shall notify the Repair Service Bureau before starting and after completing work on each of these orders and shall request the deskman to make any calls to other than official numbers which are required by the order.

2.03 Information on the Service Order will refer the Installer to an individual on the premises who will be familiar with the location of the call box.

2.04 Grounds: Grounds are not provided for R.C.A. call box circuits.

2.05 Initial Loop (House Cable): Call the Repair Service Bureau and report readiness to start work.

(a) Cross-connect the assigned feeder pair to the house cable pair selected or assigned.

(b) Extend the circuit by the use of private line or other local cable pair, and pair inside wire to a point on the baseboard below the call box location. At this point install a 42A connecting block on the baseboard (if the baseboard is metal, install the connecting block on the wall immediately above the baseboard) and terminate the inside wire on the connecting block.

NOTE: If, because of appearance, the call box user refuses to permit the installation of the connecting block below the call box, select a less conspicuous location on the baseboard which is satisfactory to him and as near the call box as possible.

(c) At the same terminals of the connecting block cut in a piece of inside wire long enough to reach the call box location and to be terminated when the call box is installed.

(d) Tag the end of the wire, giving the call box user's name, the circuit number and "RCA". Coil this length of wire safely and securely at the connecting block. Do not extend it to the call box location.

(e) Obtain "OK" test from the deskman and report any house or private line cable pairs used.

(f) Be sure the ring and tip of the free end of the coil of inside wire at the connecting block are not short circuited.

2.06 Initial Loop (Outside Terminal): Call the Repair Service Bureau and report readiness to start work.

(a) Extend bridle wire from feeder terminal, make entrance and install connecting block. It is preferable that this connecting block be installed in an inconspicuous location in the basement in order that additional loops may originate at this point.

(b) Extend inside wire (block wire if required) and proceed as outlined in Paragraph 2.05 (b) to (f).

2.07 Additional Loop (House Cable): Call the Repair Servive Bureau and report readiness to start work.

(a) Bond a connecting block as indicated in Fig. 1 and install the block in the main cross-connection box or on the main frame. This block is to be used as a bunching block. A six pair block should ordinarily be used but a block of greater capacity may be installed if justified by probable growth.

(b) Tag the bunching block indicating the circuit number and "RCA".

(c) Rewire the initial loop of the leased line to the bunching block as indicated in Figure 1.

(d) Extend the additional loop by running a cross connection from the next spare pair on the bunching block to the selected house cable pair (Fig. 1) and proceed as outlined in Paragraph 2.05 (b) to (f).

2.08 Additional Loop (Outside Terminal): Call the Repair Service Bureau and report readiness to start work.

(a) Find connecting block; at point of bridle wire entrance, at which initial loop is connected.

(b) Prepare and tag a bunching block as outlined in Paragraph 2.07 (a) and (b). Install this block preferably in the basement, so that its appearance will not be objectionable. It should be accessible for maintenance work and for the connection of subsequent loops.

(c) Rewire the initial loop to the bunching block as indicated in Figure 1.

(d) Extend the wire for the additional loop from the bunching block to the point on the baseboard below the call box location and proceed as outlined in Paragraph 2.05 (b) to (f).

2.09 Inside Moves: Call the Repair Service Bureau and report readiness to start work.

(a) Make inside moves by extending, or cutting back, the existing inside wire to a point on the baseboard below the new location as required. If new inside wire or cable conductors are used, disconnect old wire and clear old conductors. Install 42A connecting block and connect inside wires at the block in the same manner as described in this section for the installation of initial or additional loops. Obtain an O.K. test from the deskman and report any change of house or private line cable conductors.

NOTE: If, when the installer is ready to start work, the call box user will not allow the call box to be disconnected at the old location, the order should be queried in the regular manner.

3. DISCONNECTIONS **SEE ADDENDUM**

3.01 Call the Repair Service Bureau and report readiness to start work.

(a) Disconnect initial or additional loops in the standard manner prescribed for leased lines. Clear all conductors and remove tags associated with disconnected loops.

(b) Notify the deskman and your office when the disconnection is completed.

4. CHANGE OF LEASED LINE NUMBER SEE ADDENDUM

4.01 When an "RSB to OK" order is received to change the number of an RCA leased line call box circuit an Installer will be dispatched to change the leased line number on the tag at the bunching block.

5. MAINTENANCE

5.01 The maintenance of these circuits is extended to include the wire installed by the Telephone Company and the connecting block at the call box location. Trouble shall be handled without delay but no work shall be done on R.C.A. equipment, or the inside wire between the connecting block and the call box.

R.C.A. BRIDGED LEASED LINES

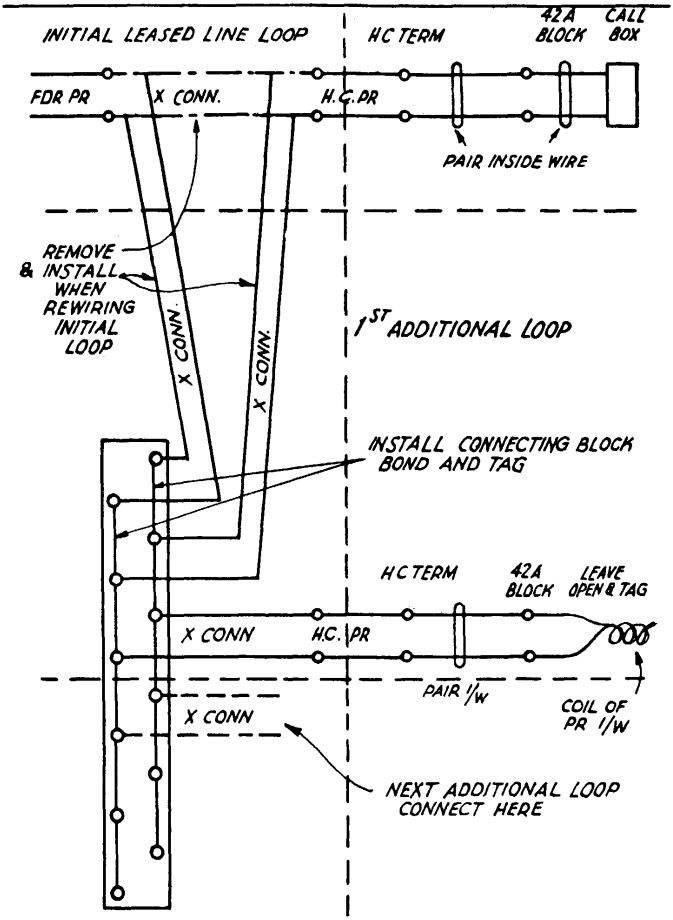

FIGURE 1

SEE ADDENDUM