

STATION EQUIPMENT

Station Key Systems and Special Telephone Equipment  
Portable Telephone Kit for Remote Radio Broadcasts

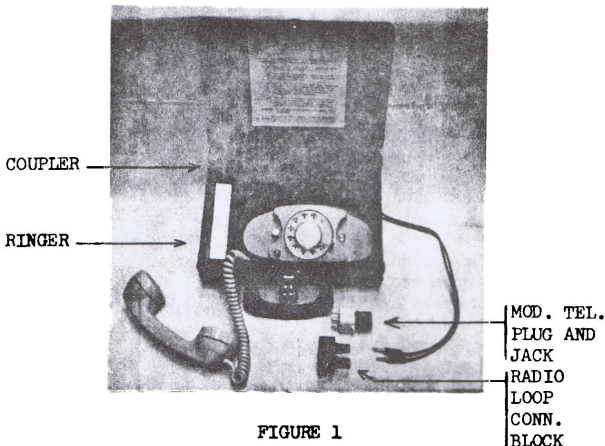
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1. GENERAL

- 1.01 This section provides information on a portable telephone kit which was developed for radio station remote broadcasts on business one-party facilities.
- 1.02 The broadcaster will have the unit assigned to him and in his possession so that he can make a plug-in connection to the telephone line upon his arrival at the broadcast site.
- 1.03 This provides radio station broadcast personnel with a standard connecting arrangement on each broadcast as well as complete control of the instrument and facility to prevent unauthorized toll calls.
- 1.04 Refer to Circuit Diagram 11-G-283 for the wiring connections

2. COMPONENTS OF THE PORTABLE BROADCAST KIT

2.01 The kit has the following components and is shown in Figure 1:



Case: Rugged, reinforced fiber with handle and snap-lock. All major items bolted to body of case to prevent removal or disturbance.

Telephone Set: W. E. Company Type 712B with hold and transmitter cut-off key feature.

Voice Coupler: W. E. Company Type 30-A with jack to accept plug and connecting cable (furnished by the customer) for connection to broadcast equipment.

Ringer: External but wired directly to telephone set. For this application, a ringer is not required to be permanently connected to the telephone line facility.

Connecting Block: SN307395 radio loop connecting block and modified telephone plug (SN361450) and telephone jack (SN348225).

### 3. OPERATION INSTRUCTIONS TO BROADCASTER

3.01 The instructions to the broadcaster for proper operation of the portable telephone are posted under the lid of the unit case and are as follows:

Terminate this equipment on the telephone circuit connecting block marked for your use by placing the "banana plugs" in the female receptacles for the connecting block.

To Broadcast:

Lift the transmitter receiver and check for "dial tone".

- (A) Call the local radio station or broadcast point by dialing the telephone number.
- (B) When the call is answered place the plug of the cord from the broadcast equipment into the jack on the voice coupler at the rear of the case.
- (C) Pull up the white "plunger" key (left-handed plunger) under the transmitter-receiver of the telephone. Verify that the radio station or broadcast point receives your transmission through the broadcast equipment.
- (D) Turn the key on the front of the telephone to the horizontal position. This cuts the transmitter off during the broadcast to prevent transmission of background and/or room noise.

IMPORTANT: Do not hang up the telephone set during the broadcast.

At the conclusion of the broadcast restore all equipment to normal.

4. PREPARATION OF ASSOCIATED TELEPHONE LINE FACILITY

- 4.01 The general instructions to be followed in providing facilities for radio broadcasts are outlined in L. T. & T. Company Practice Section 1-10.25.1 covering broadcast loops.

However, since we are concerned with providing a business one-party telephone circuit instead of a regular broadcast loop, some changes in procedure are required.

- 4.02 When an order is received to establish a B-1 broadcast facility, the Wire Chief (or Manager) shall prepare a Special Service-Program Tag (Form #516040) with the following information on the front side of the tag:

- (A) Customer's name or call letters
- (B) Service Date - Date broadcast circuit is to be used
- (C) Service Order No. - Form LT-50 number
- (D) Program From \_\_\_\_\_ To \_\_\_\_\_ - Locations connected for broadcast
- (E) Note: Broadcaster Call 477-0584 - The broadcaster is to call 477-0584 for assistance or trouble reports. This is the number of the Lincoln Toll Test Center. Although the Lincoln Toll Test Center is not involved directly in establishing a B-1 broadcast facility, it is always attended and equipped to provide help to the broadcaster, if needed.

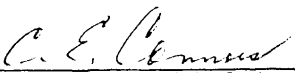
- 4.03 The reverse side of the tag shall also be completed as follows:

- 1. Installed by \_\_\_\_\_ - (Employee's name).
- 2. Verify information on front of card (by Installer)
- 3. Make end to end test through toll test desk  
- (Not required on B-1 broadcast application, although facility must be tested to assure its reliability) - by Installer.
- 4. Place this tag securely under connecting block mounting screw (The tag should be placed face up under the block with the screw through the eyelet hole in the tag) - by Installer.

5. Remove tag on disc. order (When the remove order is worked, remove the tag and return it with the remove order to the Wire Chief) - by Installer.
  6. Rack \_\_\_\_\_ Term. \_\_\_\_\_ Pr. \_\_\_\_\_  
(These are main distributing frame, cable terminal, and cable pair numbers for identifying the telephone line used for the broadcast) - Enter information from the service order.
  7. As Item 7 on the tag, enter the business one-party telephone number assigned for this service. (Future revision of the Special Service-Program Tag (Form #516040) will provide for Item 7).
- 4.04 At the time the B-1 broadcast circuit is to be provided a radio loop connecting block (SN307395) shall be installed to enable the broadcaster to connect his equipment to the telephone line facility. This block has two terminals designed to accommodate banana type plugs, pin tips or wire ends.

Note: As mentioned in Part 2, both a radio loop connecting block and a modified telephone plug and jack are furnished as a part of the portable broadcast kit and either may be used although the radio loop connecting block is preferred. These are provided to assure that a standard connecting arrangement can be maintained if the broadcast should originate in a Connecting Company Exchange or an Exchange in our Territory not normally having access to these connecting blocks.

APPROVED:

  
\_\_\_\_\_  
General Plant Superintendent

  
\_\_\_\_\_  
Chief Engineer