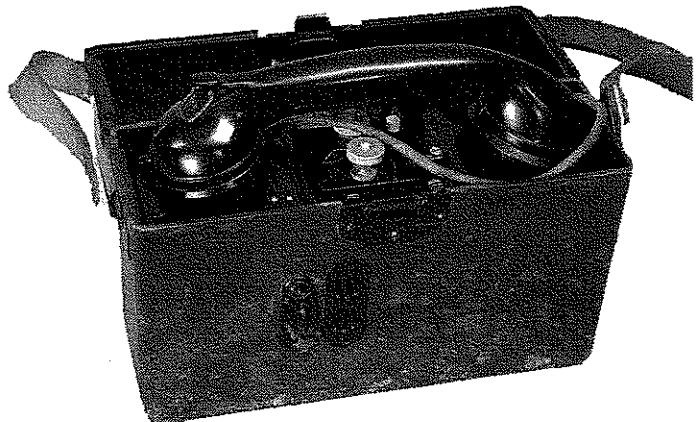
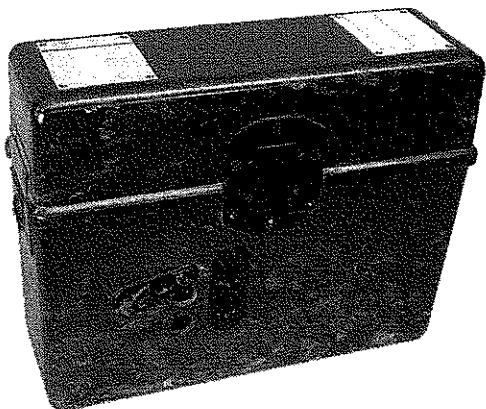


Field Telephone 33



I. Individual Parts of the Field Telephone 33

carrying strap
writing plate
lock
locking plate
cover plate
hook for field handset
spelling chart
wiring diagram
soft rubber gasket
compartment for telephone cord
element breaker cover
wire clamps
sockets for headset
compartment for inductor crank
testing button
circuit diagram
sockets for field handset
leaf spring

II. Operating the Field Telephone

1. The field telephone is supposed to include an attached battery. The outside of the element shows attachment instructions. Connect element (tighten battery clamps).
2. Connecting the wire: If you have a double wire connect one wire to La, the other wire to Lb/E. One wire: connect to La, ground to Lb/E. Tighten wire clamps, cut off remaining wire ends.
3. Connection of headset is always recommended. Lead out handset, headset and wires to the left between rubber strips. Close cover of unit. Position handset on top of cover.
4. Screw inductor crank into sealing wall to the right.

III. Using the Telephone

Call participant by turning inductor crank about three times. Take off handset and press the talk button. Once answered start conversation. After end of conversation hang up and ring off.

IV. Field Telephone used as telephone exchange

booth A/B
connection
telephone wire
connection jack (any jack can be used)

V. Testing the Field Telephone

1. Checking for completeness: battery (in attached and ready to use condition), handset, inductor crank, telephone cord.
2. Shake unit and make sure that all parts are tightened; closures do not jam and unit is free of dirt (check connection jacks).

3. Checking speaker volume control:

Does not connect, press talk button, blow against telephone's mouthpiece (blow test).

Result:

Low noise occurs in case of:

1. short-circuit of wire clamps La and Lb/E
2. Operating the inductor

Noise stops after releasing talk button.

4. Checking caller volume control:

Short-circuit wire clamps
La and Lb/E. Turn inductor crank
and press testing button at the same time.

Result:

Alarm turns on.

5. Checking connection jacks and telephone cord:

Connect telephone cord to connection jack, do blow
test, connect clamp La to other plug and create contact
between clamp Lb/E and tip of plug. Repeat with other
jack.

Result:

Noise fades when making contact
between plug and clamp.

VI. Abatement of Nuisance**Nuisance**

1. No outgoing call possible

Cause

Inductor does not work properly

Determination and Solution

Press testing button. Get mechanical help.

2. No incoming call possible

Connection available

Alarm not turned on or defective.

Get mechanical help

Alarm working, inductor or
Participant does not work properly.
Discharge of outer wire.

Inform participant and inspect
Check outer wire with testing device

3. No conversation possible

Element not connected, attached or
defective. Microphone missing or
defective.

Connect, attach or replace element.
Connect or replace microphone.

Contacts between connection wire
La-Lb/E. Handset defective or damage of
outer wire

Connect wires properly.

Outer wire has leakage

Replace handset

Battery or wire clamps loose
conversation

Examine outer wire (press testing button and call)
Check wire with testing device

Outer wire broken, slack joint
Outer wire defective

Tighten

Check wire.

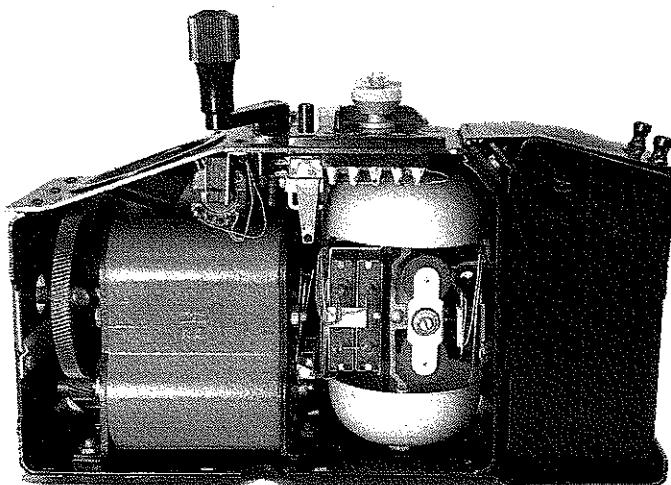
Insulate wire

4. Occasional Interruption of

Plugs are not completely in jack
Cord disconnected

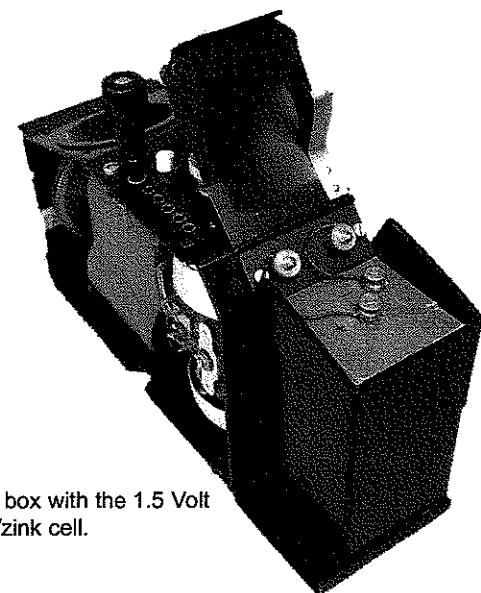
Push plugs firmly into jack
Replace cord

5. Interruption of conversation
while using the switchboard
equipment



A view inside the field telephone:

From left: Inductor, bell and battery box.
Over the inductor is the audio transformer.
At the top of the telephone is the line terminal



Battery box with the 1.5 Volt
carbon/zink cell.

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