Western Electric 84A Test Set
Utilizes a 79C induction coil

- Used for the repair and maintenance of telephone cables.
- Allowing field repair techs working along cable routes to communicate on the order-wire, with the toll or central office test desk.
- Establish communications with a second 84A test set located elsewhere on the cable route.
- Use with the 108A test set
- Perform basic D.C. continuity test
- Checking pressure contactors for proper operation on pressurized cable.

Characteristics of 79C Induction Coil-

<table>
<thead>
<tr>
<th>Code</th>
<th>Former Spec</th>
<th>Style</th>
<th>Impedance Ratio</th>
<th>Max DC Resistance</th>
<th>Min Induct Low Wg</th>
<th>Frequency Range</th>
<th>Dimensions - Inches</th>
<th>Wt Lbs</th>
<th>Low Windings</th>
<th>High Windings</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>77A</td>
<td>-</td>
<td>-</td>
<td>25:9000</td>
<td>3.25</td>
<td>165</td>
<td>Voice</td>
<td>2** 1-1/2 1-3/8</td>
<td>0.5</td>
<td>G - 8*</td>
<td>L1 - 2*</td>
<td>79C</td>
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<td>77B</td>
<td>-</td>
<td>40:9000</td>
<td>35, 86, 87-type Test Sets</td>
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<td>530</td>
<td>Voice</td>
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<td>(1-4)*</td>
<td>(4-3-2)*</td>
<td>79C</td>
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<tr>
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<td>-</td>
<td>40:16,000</td>
<td>3a, 60-type Test Sets</td>
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<td>575</td>
<td>Voice</td>
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<td>(1-4)*</td>
<td>(4-3-2)*</td>
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<tr>
<td>101A</td>
<td>Common Battery Anti-sidetone Station Apparatus</td>
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<td>307-type Telephone Set</td>
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<td>(1-2)</td>
<td>125</td>
<td>2 high wg</td>
<td>400-3000cps</td>
<td>2-13/16 1-3/8</td>
<td>0.5</td>
<td>(1-2-3)</td>
<td>(4-5)</td>
<td>79C</td>
</tr>
</tbody>
</table>
DESIGN APPARATUS

B1 K56570 DRY BATTERY
C1 3150 CONDENSER 0.3MF
J1 315C JACK
J2 223A JACK
K1 32E KEY
R1 K9/3490U RESISTOR 2000W
R2, R3 K9/34901R RESISTOR 10W
T1 79C INDUCTION COIL

THIS SET IS FOR USE ON BOTH REPEATERED AND NON-REPEATERED TALKING CIRCUITS.

FOR ALL TESTS - INSERT PLUG OF TRANSMITTER-RECEIVER UNIT IN JACK OF SET.
REPLACE BATTERY WHEN VOLTAGE IS LESS THAN 3 VOLTS WITH PLUG INSERTED AND
KEY IN TALK POSITION.

TALK AND LISTEN - CONNECT 1 & 2 TO TALK PAIR IF A REPEATERED CIRCUIT, 1 & 5
IF NON-REPEATERED. PLACE KEY IN MONITOR POSITION (DEPRESSED) EXCEPT WHEN
TALKING, IN ORDER TO SAVE BATTERY.

INTERCONNECTION WITH 106A AMPLIFIER - CONNECT 1 & 2 TO TALK PAIR IF A RE-
PEATERED CIRCUIT, 1 & 5 IF NON-REPEATERED. CONNECT 1 & 3 TO REC. JACK OF
AMPLIFIER, USING 310 TYPE PLUG. KEY IN MONITOR OR TALK POSITION.

CHECKING PRESSURE CONTACTORS - CONNECT 1 & 2 TO "GAS" TALK PAIR, WITH KEY
IN MONITOR POSITION.

D.C. CONTINUITY TEST - ONE SET - CONNECT 1 & 4 TO WIRE UNDER TEST, WITH
KEY IN TALK POSITION.

D.C. CONTINUITY TEST - TWO SETS - CONNECT 1 & 5 OF EACH SET TO TALK PAIR,
ONE SET AND 5 OF OTHER SET TO WIRE UNDER TEST.