

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-

Code	Former Spec	Shld	Impedance Ratio Ohms	Max DC Resistance Ohms		Min Induct Low Wdgs Henrys	Frequency Range	Dimensions - Inches			Wt Lbs	Low Windings	High Windings	Remarks
				Low Wdg	High			Length	Width	Height				
INDUCTION COILS														
77A	-	-	25:900	3.25	165	1.5 high wdg	Voice	2**	1-1/2	1-3/8	0.5	G - R*	L1 - C*	
79B	-	-	40:9900 85, 86, 87-type Test Sets	11.5	530	6.5 high wdg	Voice	2	1-1/2	1-3/8	0.5	(1-4)*	(4-3-2)*	
79C	-	-	40:16,000 84, 88-type Test Sets	11.2	575	7.4 high wdg	Voice	2	1-1/2	1-3/8	0.5	(1-4)*	(4-5-3-2)*	
101A	Common Battery Anti-sidetone Station Apparatus						Voice	2**	1-1/2	1-3/8	0.5	*	*	302-type Telephone Sets
101B	Common Battery Anti-sidetone Station Apparatus						Voice	2**	1-1/2	1-3/8	0.5	*	*	304-type Telephone Sets
104A	Local Battery Anti-sidetone Station Apparatus						Voice	2**	1-21/32	1-3/8	0.5	*	*	307-type Telephone Sets
180A	-	-	15,000:80 (1-2)	8 (1-2)	125	2 high wdg	400-3000cps	2-13/16	1-3/8	1-5/8	0.5	(1-2-3)	(4-5)	





P386293

BAA TEST SET

ISSUE I

4000R2105

B1	4K5 3W DRY BATTERY
C1	9100 GUMMIBER 0.5MHF
U1	225V JACK
U2	225V JACK
R1	300 RES
R2	K3169011 P2510TOR 2000
R3	K3169013 P2510TOR 10w
T1	79C INDUCTOR COIL

THIS SET IS FOR USE ON BOTH REPEATED AND NON-REPEATED 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 J2 TO TALK PAIR IF A REPEATED CIRCUIT, 1 & 5
IF NON-REPEATED. PLACE KEY IN MONITOR POSITION (DEPRESSED) EXCEPT WHEN
TALKING, IN ORDER TO SAVE BATTERY.

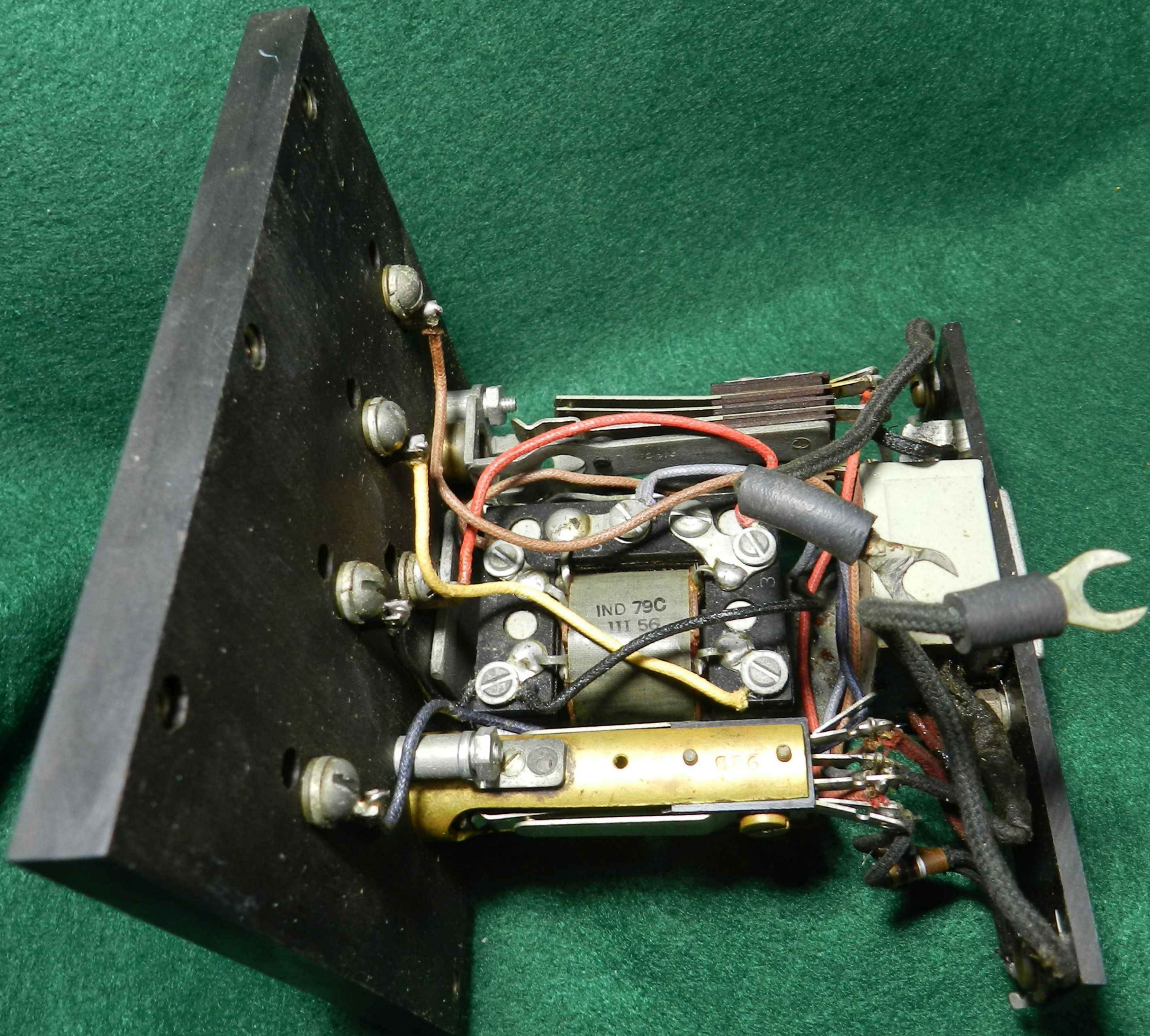
INTERCONNECTION WITH LOGA AMPLIFIER - CONNECT 1 & 2 TO TALK PAIR IF A REC-
EIVED SIGNAL, OR TO NON-REPEATED CIRCUIT IF A 3 TO REC. JACK OF
AMPLIFIER, USING 310 TYPE PLUG. KEY IN MONITOR OR TALK POSITION.

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

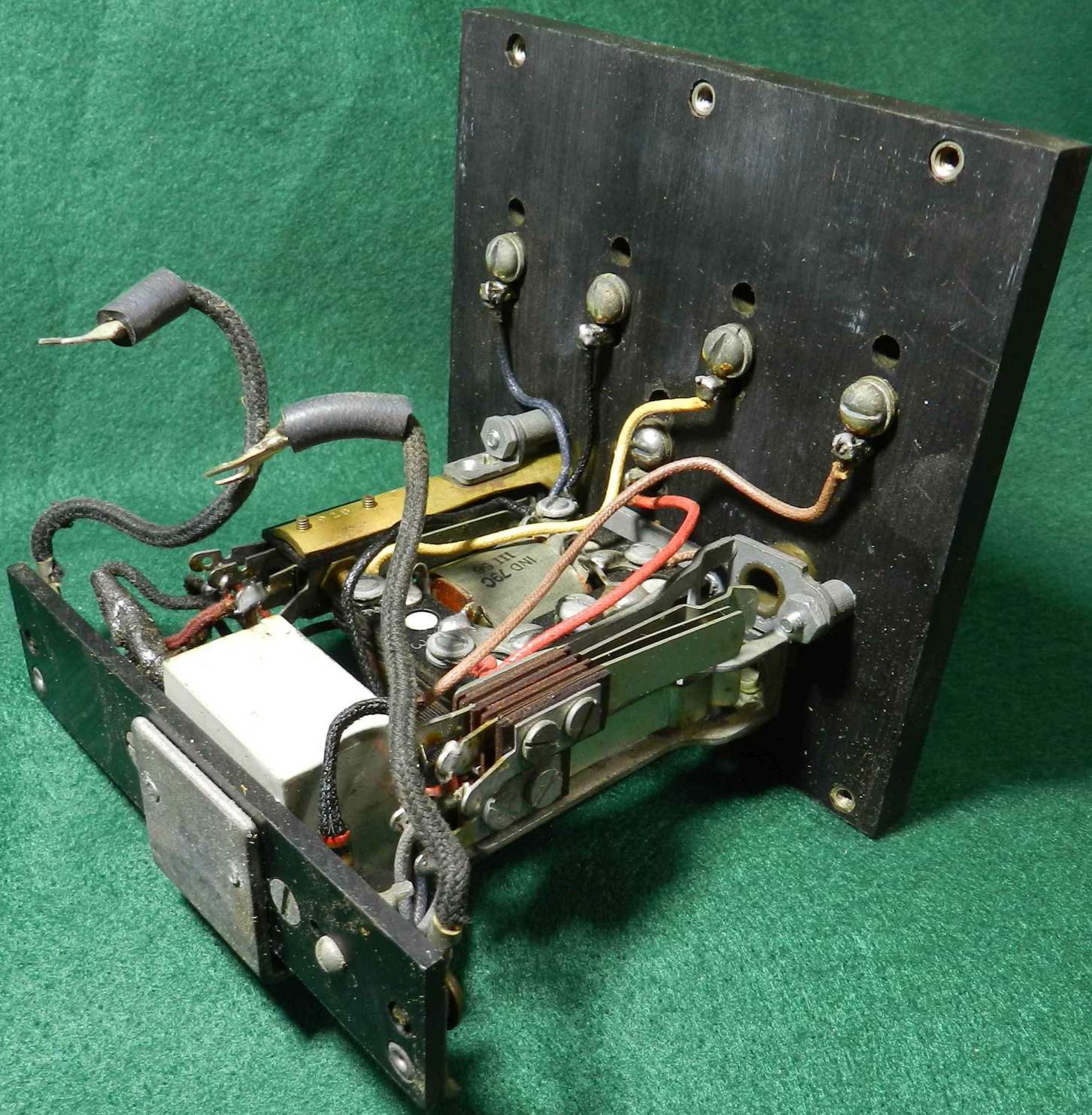
D.C. CONTINUITY TEST - ONE SET - CONNECT 1 & 2 TO WIRE UNDER TEST, WITH
KEY IN TALK POSITION.

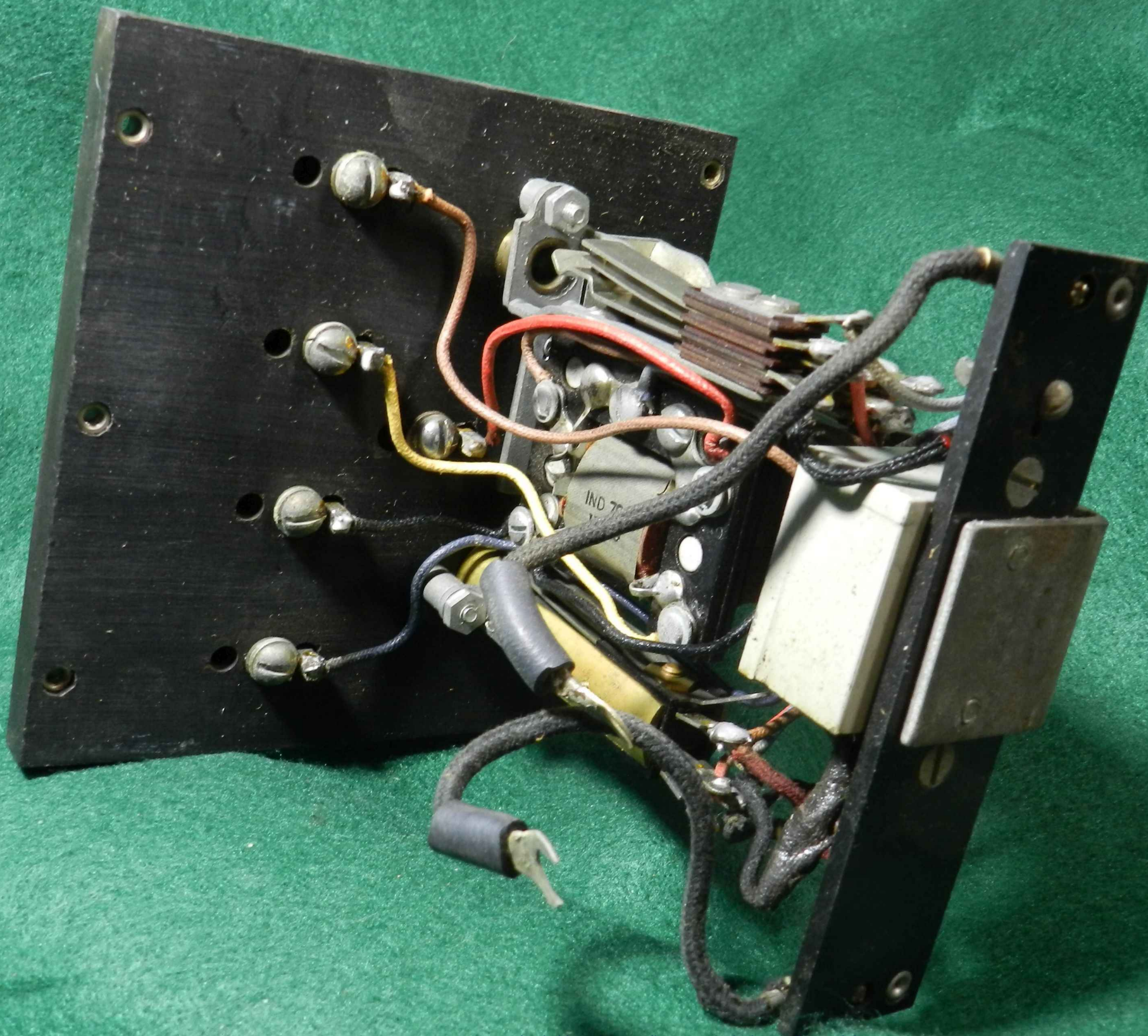
D.C. CONTINUITY TEST - TWO SETS - CONNECT 1 & 5 OF EACH SET TO TALK PAIR,
ONE SET IN TALK POSITION AND OTHER SET IN MONITOR POSITION.













P336293

84A TEST SET

ISSUE 1

APPARATUS	
B1	N5 6570 DRY BATTERY
C1	3130 CONDENSEC 0.3MF
U1	215C JACK
U2	223A JACK
K1	922 KEY
B1	K31343011 RESISTOR 200Ω
R2, R3	K31343013 RESISTOR 10Ω
T1	79C INDUCTOR COIL

THIS SET IS FOR USE ON BOTH REPEATED AND NON-REPEATED 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 I&2 TO TALK PAIR IF A REPEATED CIRCUIT, I & 5 IF NON-REPEATED. PLACE KEY IN MONITOR POSITION (DEPRESSED) EXCEPT WHEN TALKING, IN ORDER TO SAVE BATTERY.

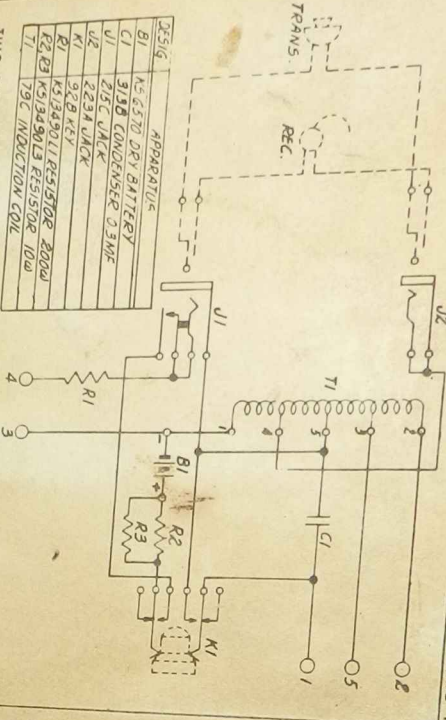
INTERCONNECTION WITH 109A AMPLIFIER - CONNECT I & 2 TO TALK PAIR IF A REPEATED CIRCUIT, I & 5 IF NON-REPEATED. CONNECT I & 3 TO REC. JACK OF AMPLIFIER, USING 310 TYPE PLUG. KEY IN MONITOR OR TALK POSITION.

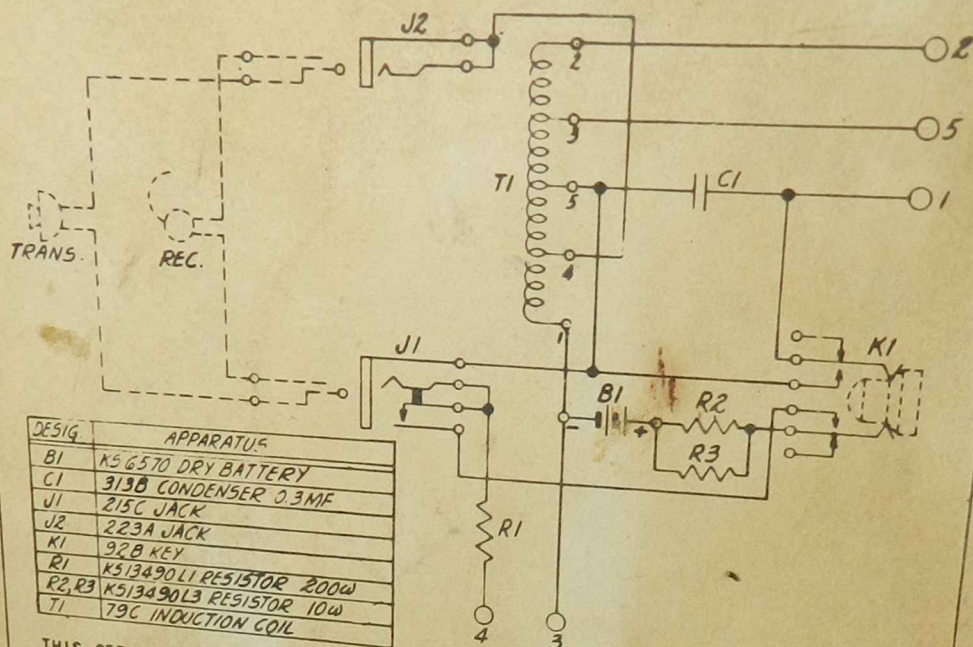
CHECKING PRESSURE CONTACTORS - CONNECT I & 2 TO "GAS" TALK PAIR, WITH KEY IN TALK POSITION.

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

D.C. CONTINUITY TEST - TWO SETS - CONNECT I & 5 OF EACH SET TO TALK PAIR, WITH KEY IN TALK POSITION. CONNECT ONE SET AND 3 OF OTHER SET TO WIRE UNDER TEST.

PRINTED IN U.S.A.





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 108A 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 319 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,
 WITH KEY IN TALK POSITION. CONNECT 2 & 3 OF ONE SET AND 3 OF OTHER SET TO
 WIRE UNDER TEST.

PRINTED IN U.S.A.



SNL0C4D3