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1. GENERAL

The tests are made directly at the exchange. The necessary telephone instruments (3) are connected directly to the terminal blocks AB and CD.

2. OCULAR INSPECTION

Before testing, a thorough ocular inspection is to be made.

2.1 Check cover and rack for surface finish damage.

2.2 Check that no relays or components situated in relay positions are loosely or erroneously mounted.

2.3 Check all relays with armatures in both manually and electrically operated positions, in regard to free-stroke and contact spring-group operation.

2.4 Check all terminal blocks.

2.5 Inspect the cable form, and check that it is not damaged when the relay frame is swung out, or that any other faults occur.

2.6 Check all soldered connections for unwarranted contact to surrounding parts. Check also that no solderings have been forgotten.

2.7 Check all components attached to relay pins, or mounted on component terminals, for unwarranted contact to other components or to the rack.

3. VOLTAGE

Check power supply set in regard to correct connection to mains, and check D.C.-voltage from the power supply set. Normal working voltage should be 48 volts.

4. OPERATION TESTS

4.1 Free SNR

Check speech connections by making calls between extensions as shown in fig. 1

Make a call from each extension also over SNR by blocking S5 in SNR2 in its operated position before the second call is made.

Note When blocking a relay, the tool LSY 10601 can be used to advantage.

When making the calls, check also the signal given. (Dialling tone, ringing tone and ringing signal).

From Extension	To Extension
1	2
2	3
3	4
4	5
⋮	⋮
15	16
16	1

Fig. 1

4.2 Engaged SNR

Engage both SNR-units by blocking the S5-relays and make a call afterwards to any optional extension.

Check busy-tone.

4.3 Busy extension

Set up a speech connection between two extensions. Make a call to one of the two engaged extensions.

Check busy-tone.

4.4 Time-release of register

Lift handset and check that busy-tone is heard after approx. 6 secs.

4.5 Priority connection

Connect a telephone to an extension line and strap this extension for priority.

Connect up a call between any two extensions.

Call up any of these two extensions from the priority-connected connection.

Check busy-tone.

Dial one pulse from the priority instrument.

Check that an intrusion tone is sent to all three extensions.

Check speech connection between all three extensions.

Hang up the priority extension's handset.

Check that the intrusion tone ceases.

5. TESTS MADE WITH MARGINAL WORKING VOLTAGES

Loosen the -48 volt wire from terminal block C.D. Marginal test voltages are provided by connecting a suitable dry battery either opposed to, or working with, the operational voltage, as shown in fig. 2.

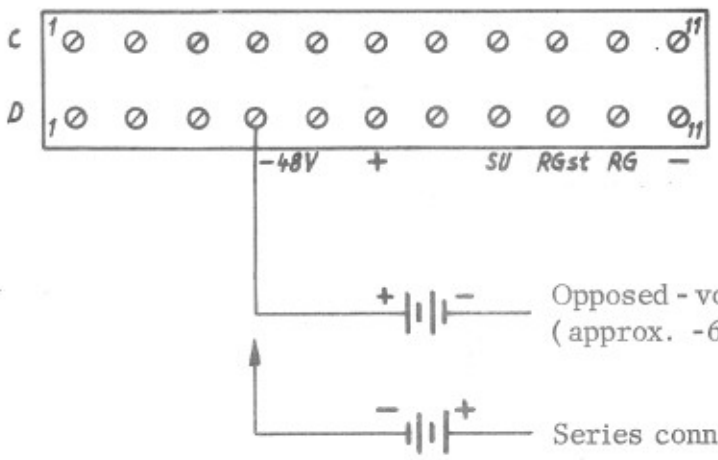

Fig. 2

From ext.	To ext.	Via SNR
1	5	1
7	11	1
13	15	2
16	4	2

Fig. 3

Check operation acc. to fig. 3 for high and low voltages.