



Ersatzteilliste explosionsgeschützter Fernsprecher Ex Resistel
Spare parts explosion proof phone Ex Resistel

Art. Nummer. : 112 861 01

Part No.	Ersatzteil Beschreibung	Spare part description
9700U003A000-LG	Handapparat komplett mit Panzerschnur	Handset complete with armoured cord
112 861 08	Panzerschnur komplett 1m	Handset cord 1m
112 861 09	Panzerschnur komplett 2m	Handset cord 2m
112 861 10	Panzerschnur komplett 3m	Handset cord 3m
112 861 11	Panzerschnur komplett 5m	Handset cord 5m
9700U600A020-LG	Gehäuseoberschale mit Tastatur	Cover plate including keypad
9701U500A000-LG	Einsatz mit Gehäuseunterschale	PCB including bottom part
584360030	Lautsprecher	Speaker
W49088A315	Display	Display
9700U007A000-LG	Freisprecheinrichtung	Handsfree microphone
519670083	Hörkapsel	Hearing capsule
9700U008A000-LG	Mikrofon komplett	Microphone complete
9700U530A00	Rasthakenset	Snaphookset

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No.: *Repair of ex equipment Index: 0*

18.05.2010

Title: *Repair instructions for ResistTel and ExResistTel*

Foreword to the repair manual for ex equipment

- here using the example of ResistTel and the ExResistTel

Work on the equipment must be carried out by specialist personnel (qualified person).

In accordance with the **technical rules for operating safety TRBS 1203 part 1**, the qualified person must fulfil the requirements for the explosion protection tests in accordance with paragraph 2.1 (professional training), paragraph 2.2 (professional experience) and paragraph 2.3 (recent professional activity).

In accordance with the **ordinance on industrial safety and health (BetrSichV) §6**, the employer (and thus also the qualified person) have to ensure that an explosion protection document is drawn up and kept up to date.

The explosion protection document is to be drawn up before work is commenced. It is to be revised if changes, extensions or transformations of the work equipment or work process are carried out.

Any repair or exchange must be carried out in a clean environment and in a workshop atmosphere.

Any repair or exchange of components must be carried out in de-energised state - the equipment is to be disconnected from the mains.

The instructions for opening/closing the equipment must be followed exactly as they are given in the repair manual.

To finish off the repair, the operator or the qualified person from his enterprise must carry out an appropriate test (e.g. a high voltage test) on the equipment.

If parts are not repaired/exchanged appropriately, the guarantee liability of the manufacturer expires.

If exchanging part of a piece of equipment for an original spare part, the legal guarantee period only begins for this spare part. No new guarantee begins for the entire equipment.

If performing one of the aforementioned measures, it is assumed that the operator is familiar with the associated documentation and uses it correctly.

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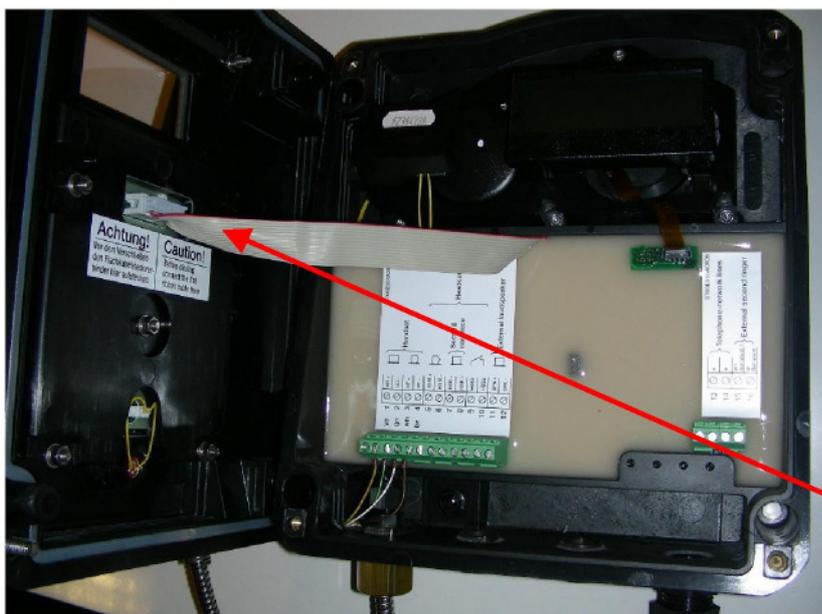
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1. Exchange of upper part of telephone



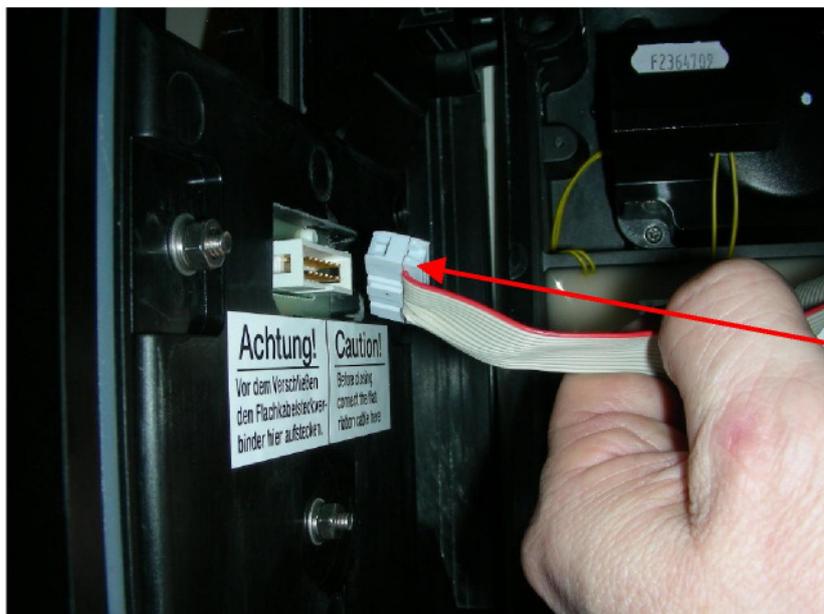
Loosen 4 cover screws with torx key TX 30.

Screws are captive.



Carefully remove upper part of telephone
(no strain may be put on the flat connector).

Note: Detach flat connector in the upper part of the telephone leading to the electronics in the lower part of the telephone and remove upper part of the telephone



Attach new telephone upper part to existing flat connector of the lower part of the telephone. The plug connection is restraint-guided via a tongue and groove.



Put upper part of telephone onto the lower part of the telephone and fasten with 4 cover screws (torque 3Nm, key TX30)

Note:
Do not tilt the upper part of the telephone.
Screw on the screws evenly and crosswise. Consider position of the seal.

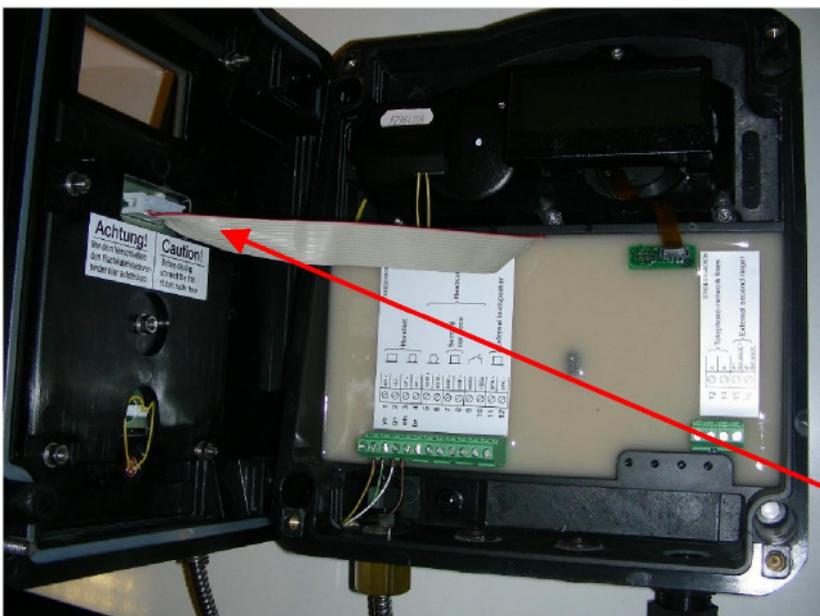
Perform a visual and functional check after assembling the equipment.

2. Exchange of lower part of telephone



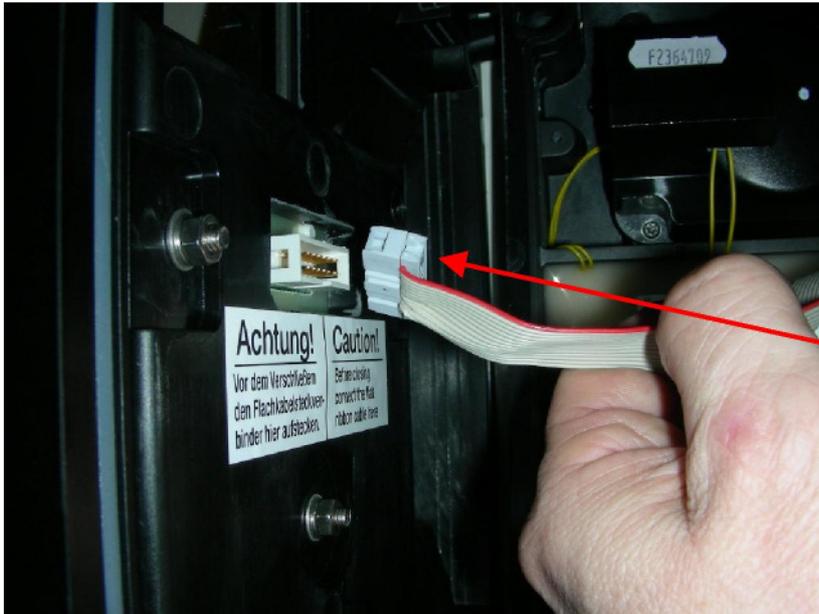
Loosen 4 cover screws with torx key TX30.

Screws are captive.



Carefully remove upper part of telephone
(no strain may be put on the flat connector).

Note: Detach flat connector in the upper part of the telephone leading to the electronics in the lower part of the telephone and remove upper part of the telephone



Attach new housing lower part with attached flat connector to the upper part of the telephone. The plug connection is restraint-guided via a tongue and groove.



Put upper part of telephone onto lower part of telephone and fasten with 4 cover screws (torque 3Nm, key TX30)

Note:
Do not tilt the upper part of the telephone and screw on the screws evenly and crosswise. Consider position of the seal.

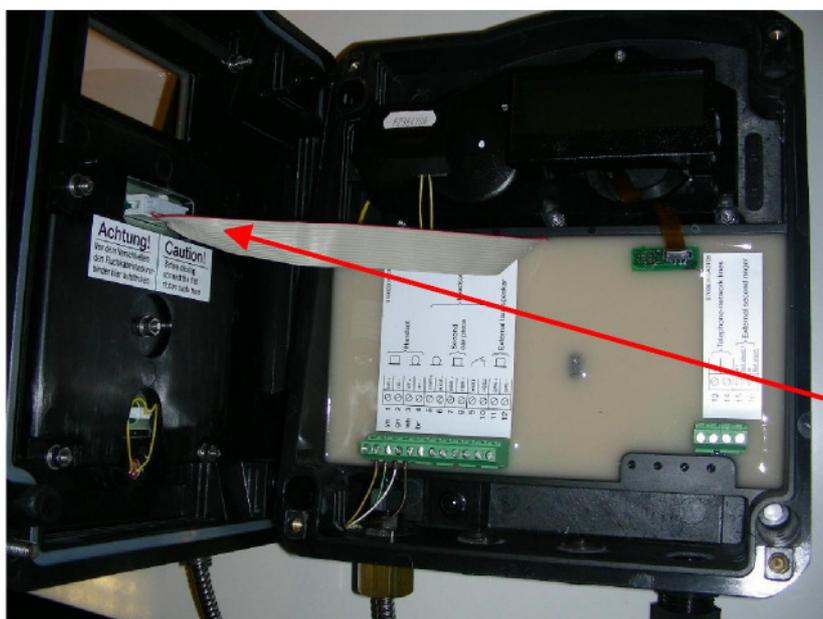
Perform a visual and functional check after assembling the equipment

3. Exchange of handset



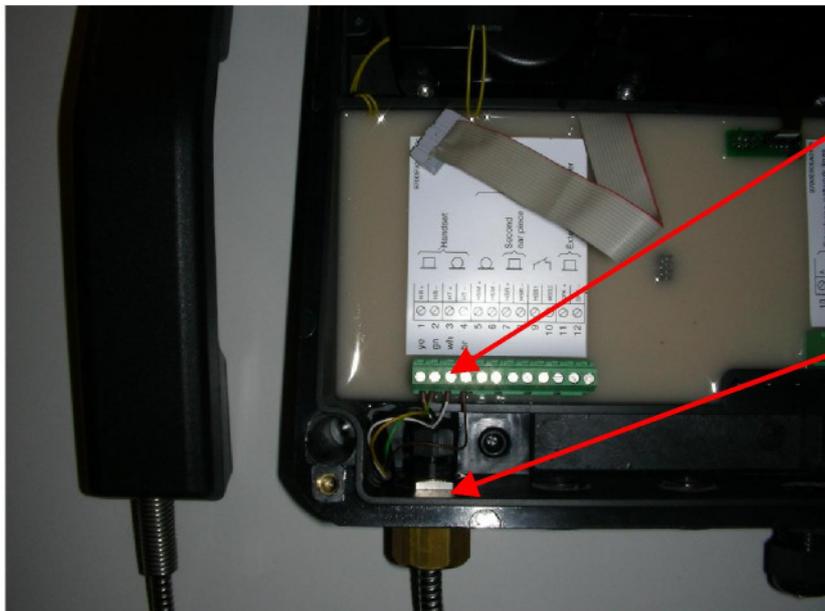
Loosen 4 cover screws with torx key TX 30.

Screws are captive.



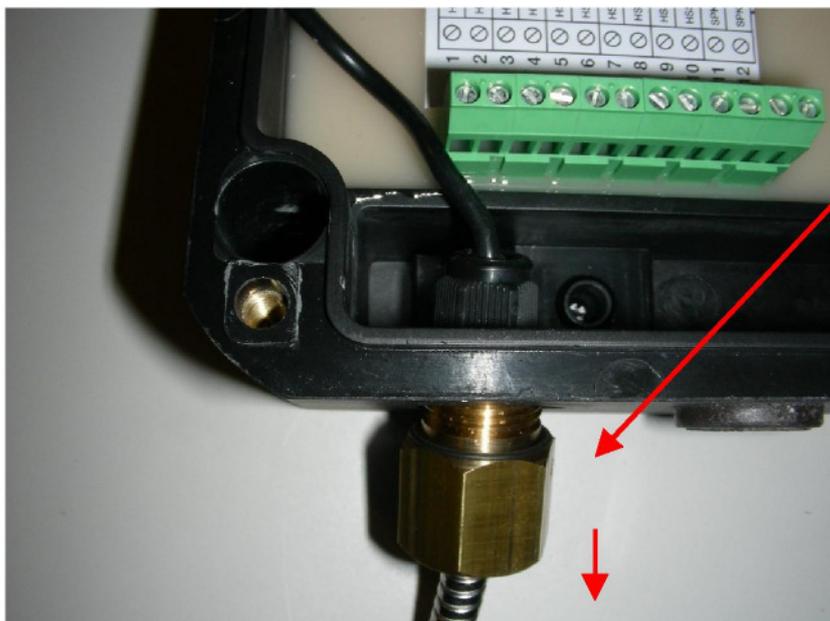
Carefully remove upper part of telephone (no strain may be put on the flat connector).

Note: Detach flat connector in the upper part of the telephone leading to the electronics in the lower part of the telephone and remove upper part of the telephone

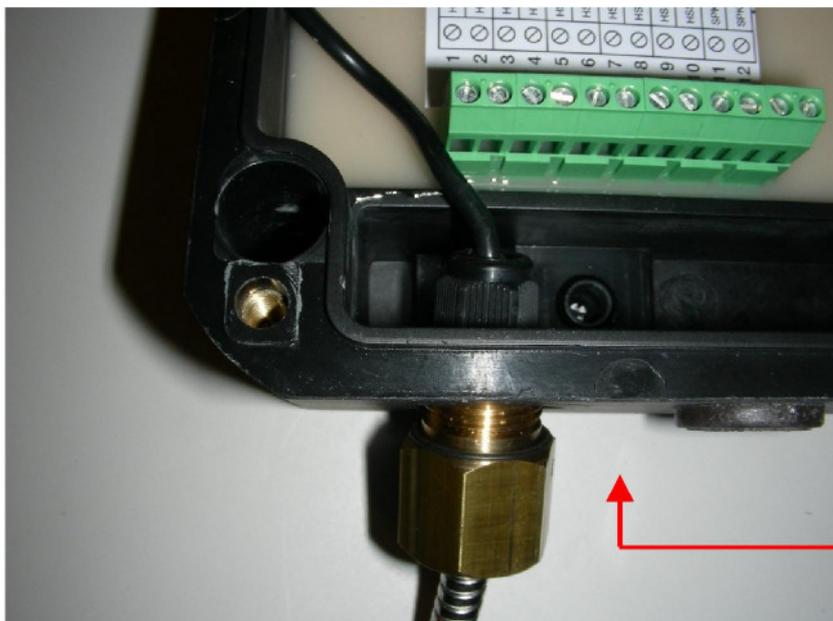


Disconnect connecting wires (4 pcs) with suitable tools.

Loosen nut with M24 jaw spanner and remove.

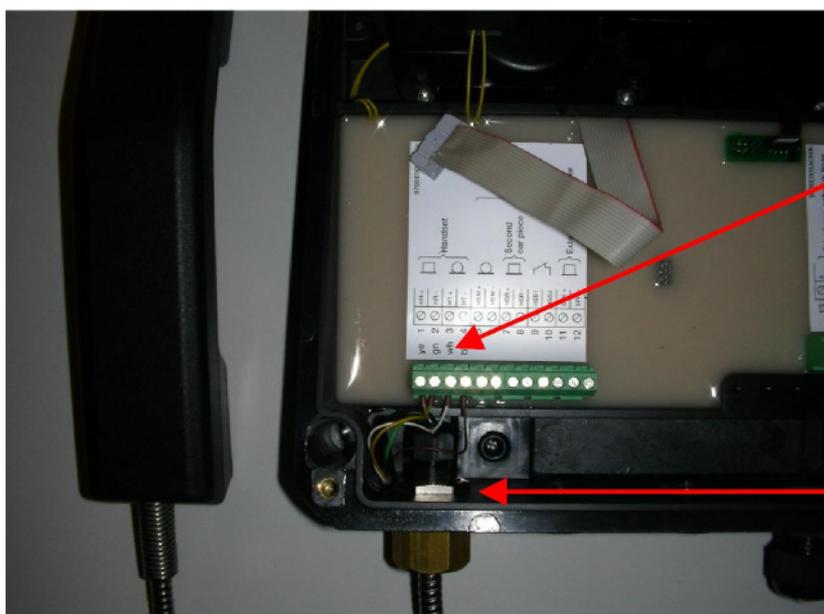


Remove receiver complete with armoured cord .



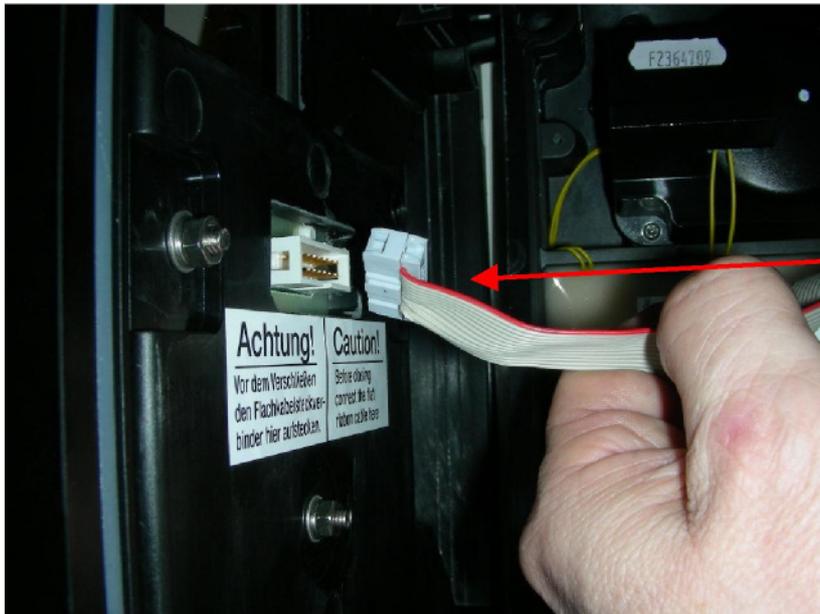
Push the connecting cord of the new receiver through.

Note:
Ensure anti-twist protection (hexagon) in the housing. The brass hexagon must penetrate into the housing.



Attach connecting wires in accordance with the colour coding on the stick-in sign using suitable tools

Attach counter nut and fasten with M24 jaw spanner.



Attach upper part of telephone. The plug connection is restraint-guided via a tongue and groove.

Put upper part of telephone onto lower part of telephone and fasten with 4 cover screws (torque 3Nm, key TX30)



Note:
Do not tilt the upper part of the telephone and screw on the screws evenly and crosswise. Consider position of the seal.

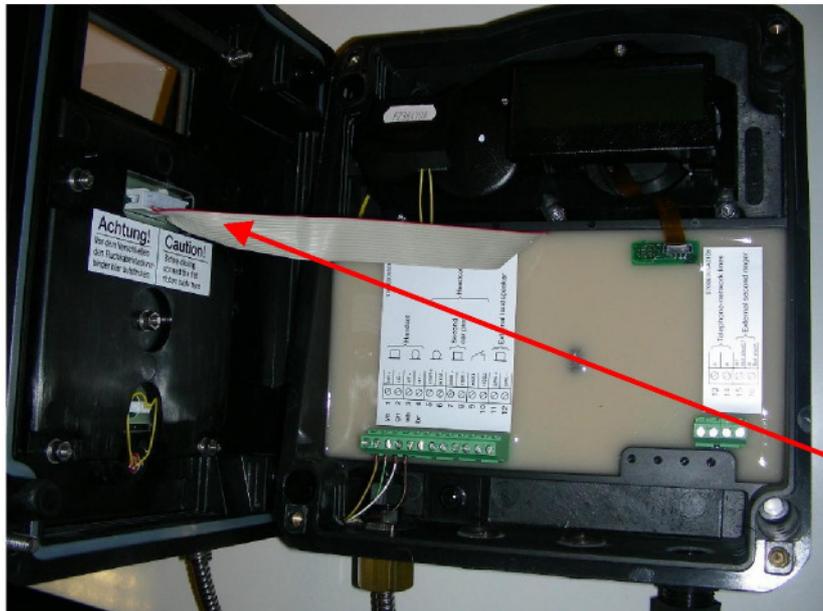
Perform a visual and functional check after assembling the equipment.

4. Exchange of display



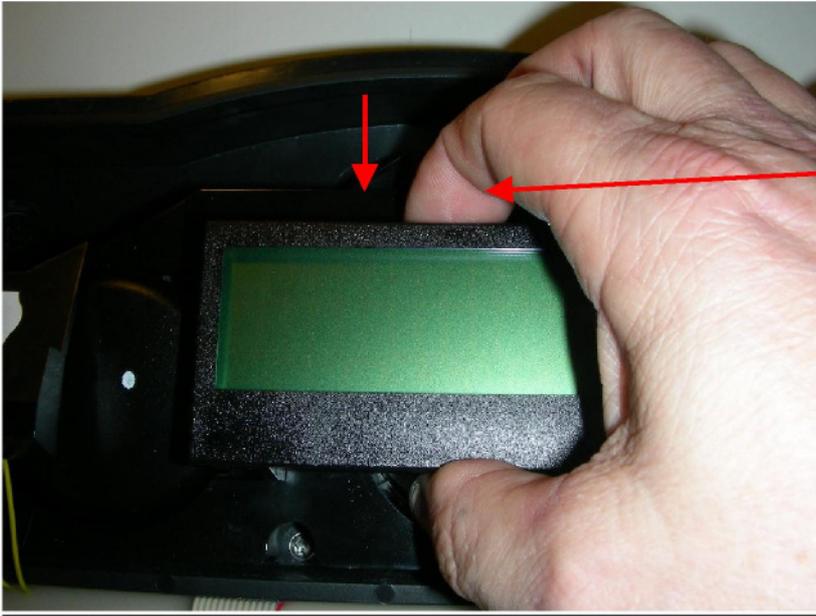
Loosen 4 cover screws with torx key TX 30.

Screws are captive.

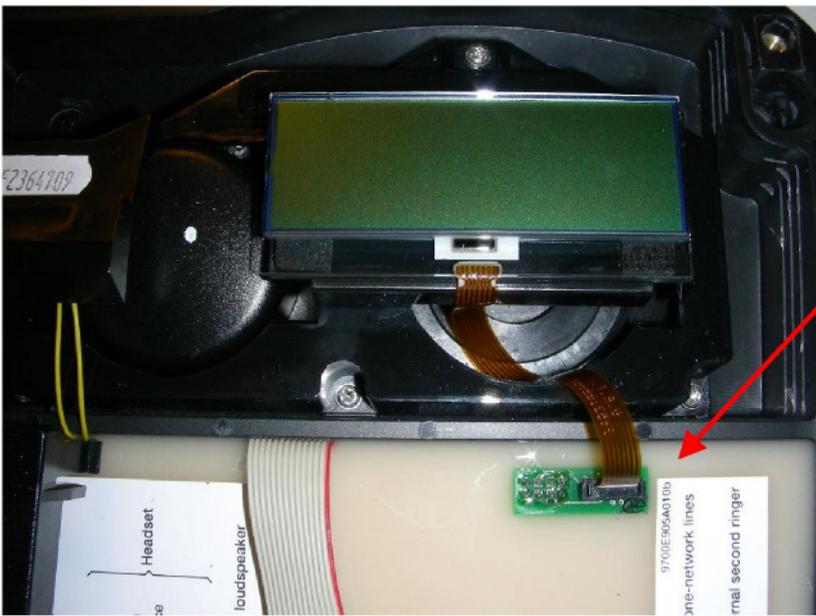


Carefully remove upper part of telephone
(no strain may be put on the flat connector).

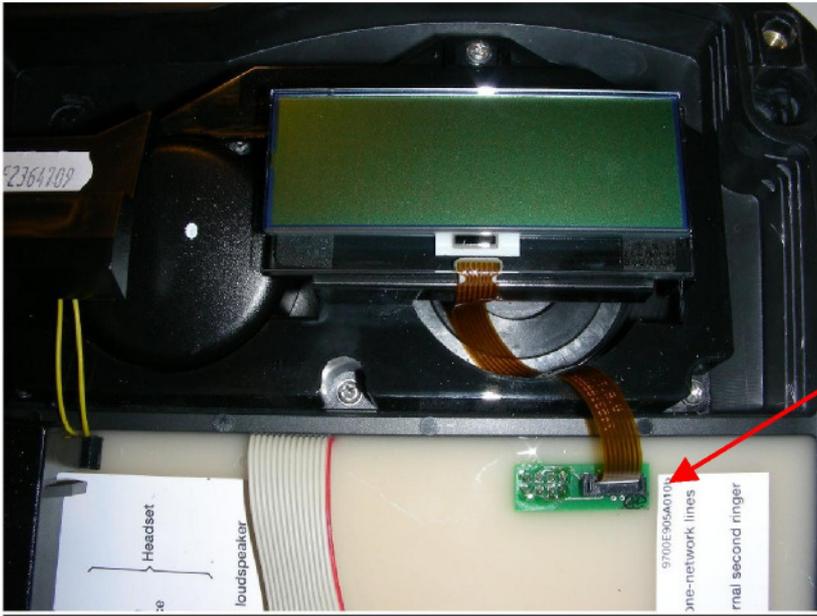
Note: Detach flat connector in the upper part of the telephone leading to the electronics in the lower part of the telephone and remove upper part of the telephone



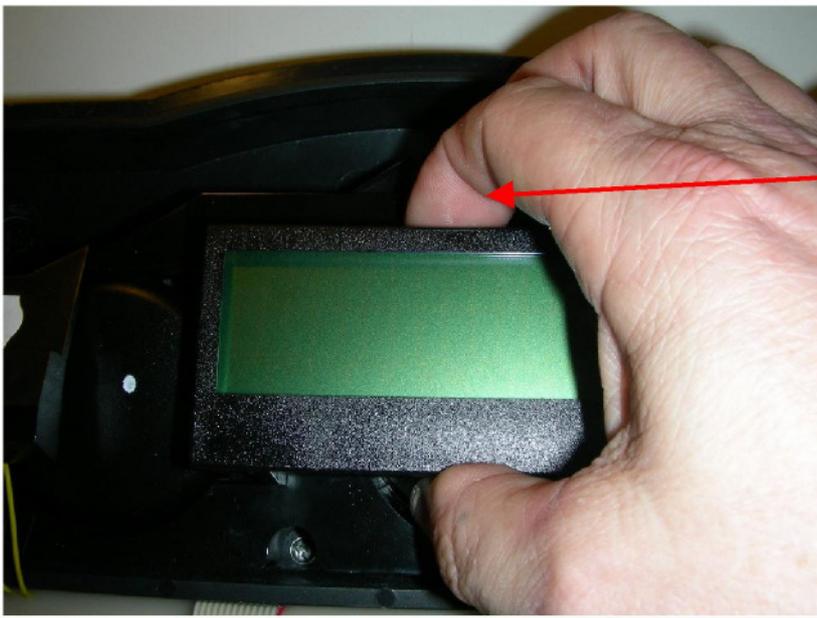
Carefully remove display frame by pressing the receiver hook at the back.



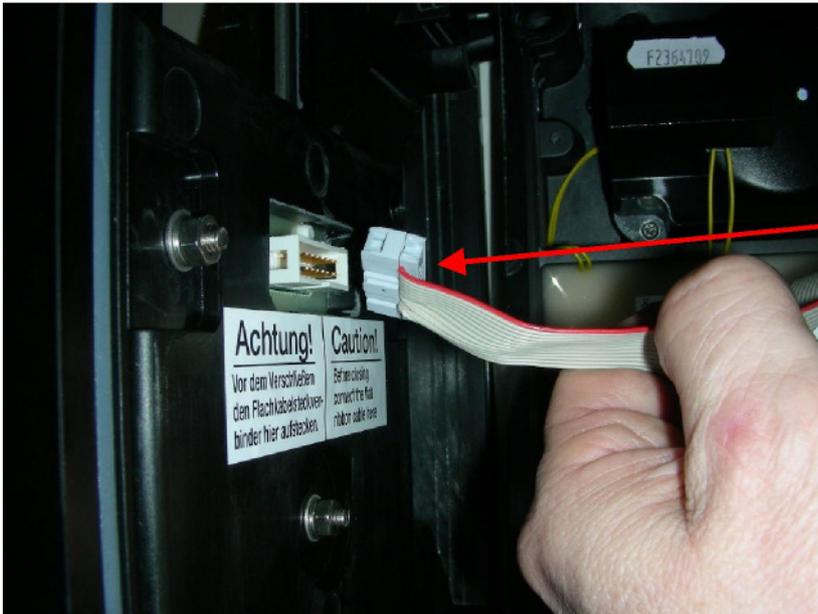
Loosen the connecting line by unlocking the zero insertion force connector and remove the display



Place the new display in the centre of the mounting frame. Attach connecting line to zero insertion force connector and lock.



Put display frame up straight and press down until the receiver hook at the back locks in place.



Attach upper part of telephone. The plug connection is restraint-guided via a tongue and groove.

Perform a visual and functional check after assembling the equipment.

Put upper part of telephone onto lower part of housing and fasten with 4 cover screws (torque 3Nm, wrench TX30)



Note:
Do not tilt the upper part of the telephone and screw on the screws evenly and crosswise. Consider position of the seal.

5. Exchange of receiver hook for handset



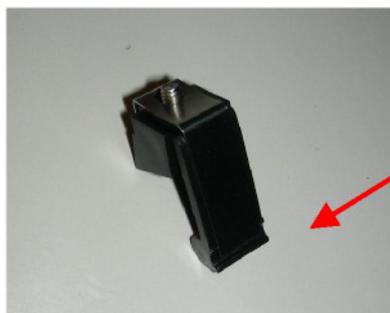
Remove handset from the upper part of the telephone. Loosen screws for fastening the receiver hook using a key Tx20. Remove receiver hooks on both sides of the telephone upper part.

Insert new receiver hooks.



Note:
Push receiver hooks outwards as far as they will go and screw them on. (torque 3Nm, key Tx20)

Note:
The retention force of the receiver can be continuously adjusted. Pushing the receiver hooks together strengthens the retention force whilst pulling them apart decreases it.



Screw in receiver hook with metal spring into the bottom of the telephone upper part.

Perform a visual and functional check after assembling the equipment