

# Service Repair Documentation

## Level 2.5 – CL75



Release	Date	Department	Notes to change
1.0	23.08.2005	COM MD CC GRM T	New document

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## **Introduction**

This Service Repair Documentation is intended to carry out repairs on Siemens repair level 2.5. The described failures shall be repaired in Siemens authorized local workshops only.

All repairs have to be carried out in an ESD protected environment and with ESD protected equipment/tools. For all activities the international ESD regulations have to be considered.

Assembling/disassembling has to be done according to the latest CL75 Level 2 repair documentation. It has to be ensured that every repaired mobile Phone is checked according to the latest released General Test Instruction document (both documents are available in the Technical Support section of the C-market).

Check at least weekly C-market for updates and consider all CL75 related Customer Care Information.

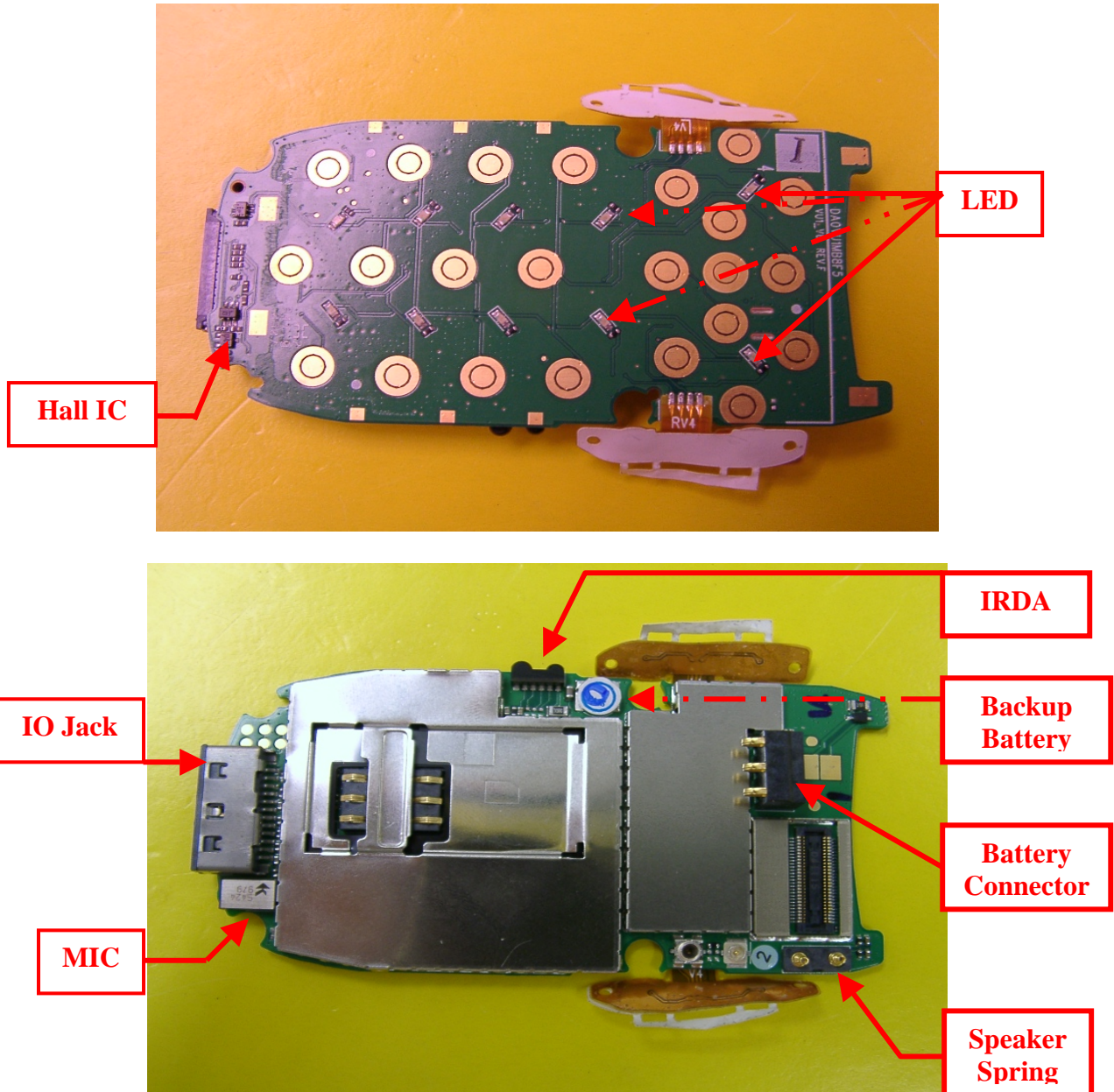
If you have any questions regarding the repair procedures or technical questions spare not hesitate to contact our technical support team in Kamp-Lintfort, Germany:

Tel.: +49 2842 95 4666  
Fax: +49 2842 95 4302  
e-mail: [st-support@klf.siemens.de](mailto:st-support@klf.siemens.de)

## 1. CL75 Board Layout

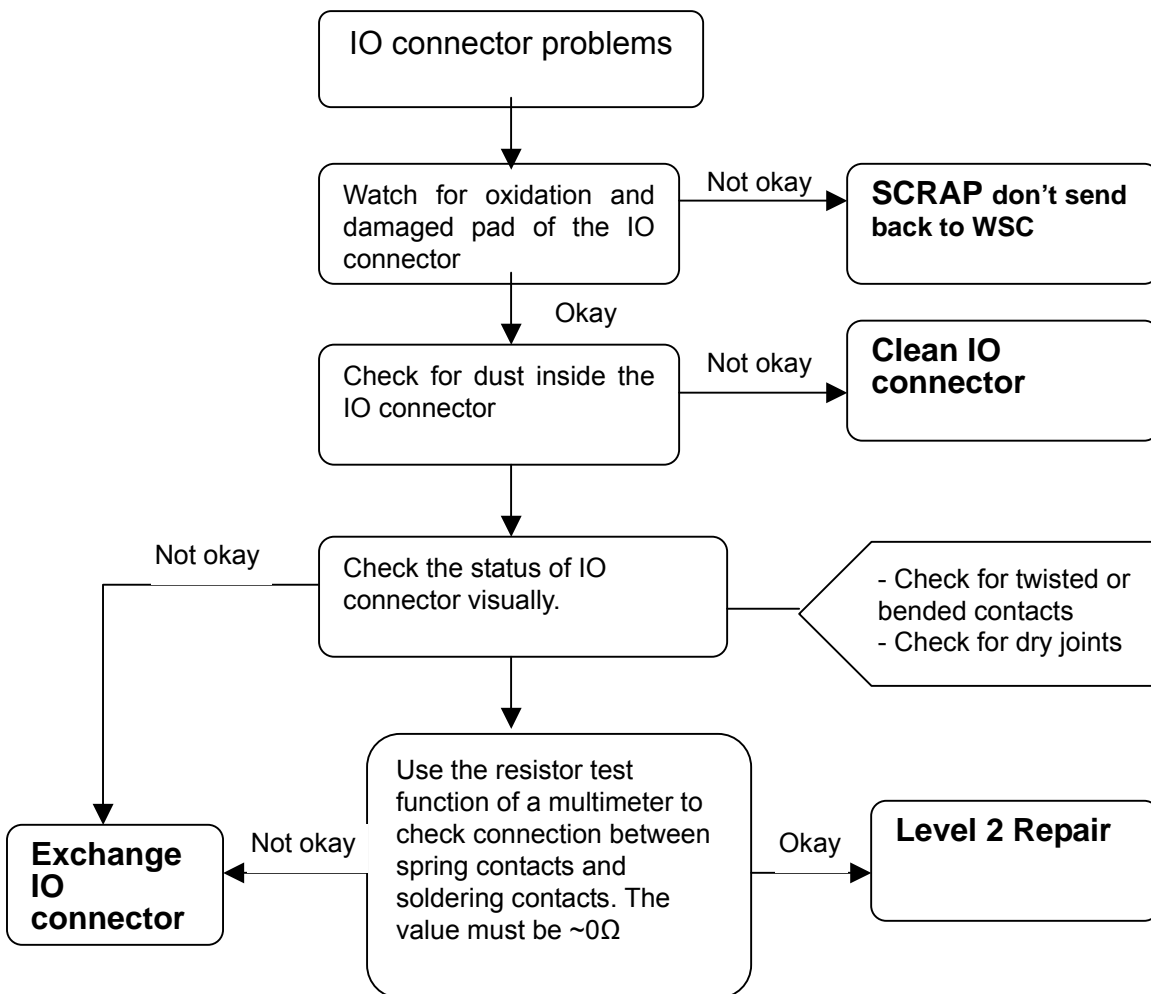
Jigs, Tools and working materials for all described repairs:

- Hot air blower
- Soldering gun
- Tweezers
- Flux
- Solder



## 2. System Connector

Fault Symptoms	
Customer: Charging Problems Problems with external loudspeaker or microphone when using a car kit Problems with accessories connected at the system connector	GRT: No Support



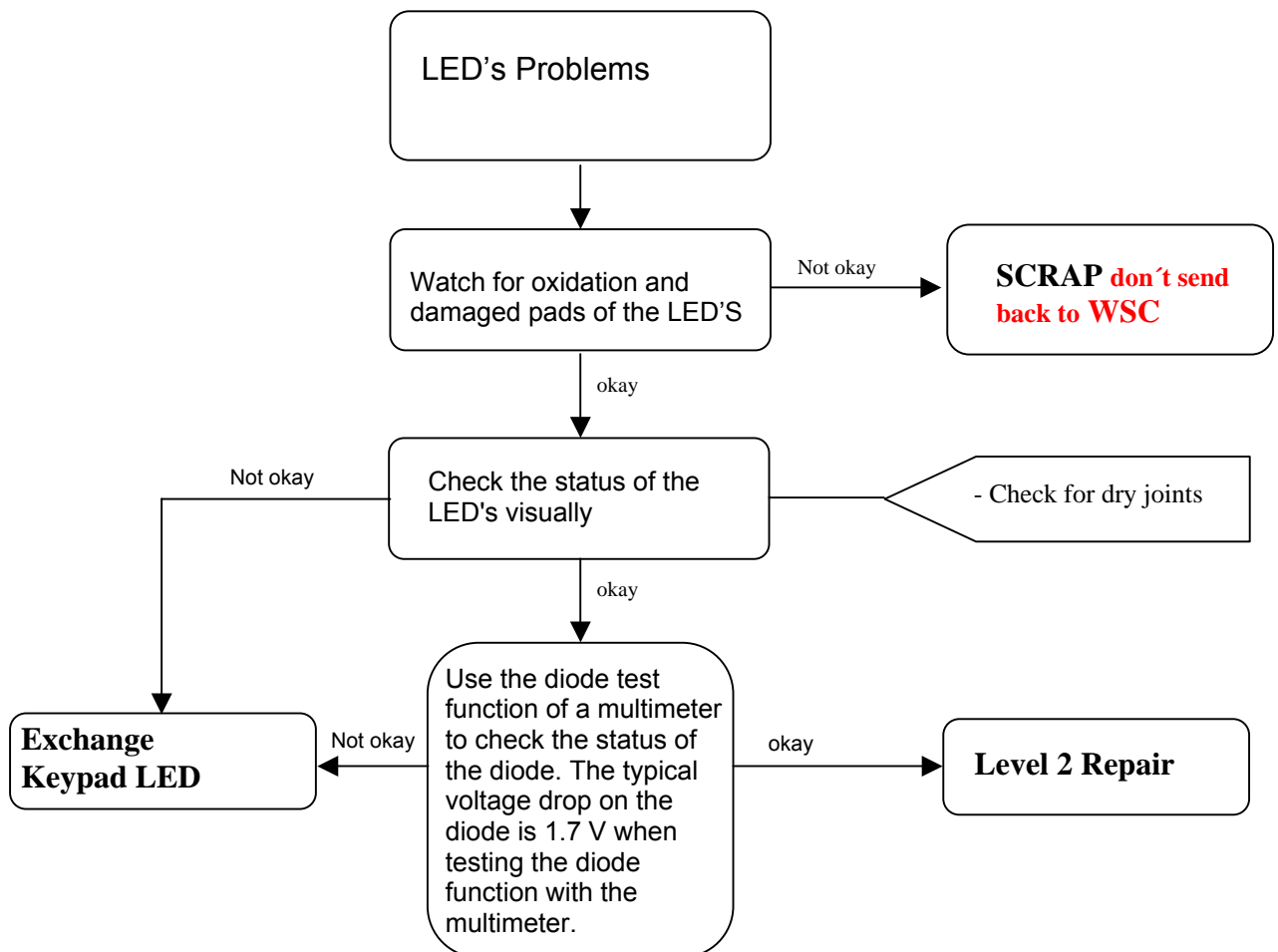
### Connector IO Jack

Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Re-solder new component afterwards.

E-commerce order number:	C39334-Z97-C448
Soldering temperature:	240 – 255°C
IRIS Diagnose Code:	46100 Interface/ Charging Connector/ Mechanical Damage 47300 Interface/ Data Interface/ Mechanical Damage 4B100 Interface/ Headset Connector/ Mechanical Damage

### 3. LED

Fault Symptoms	
Customer: Keypad illumination does not work	GRT: No Support



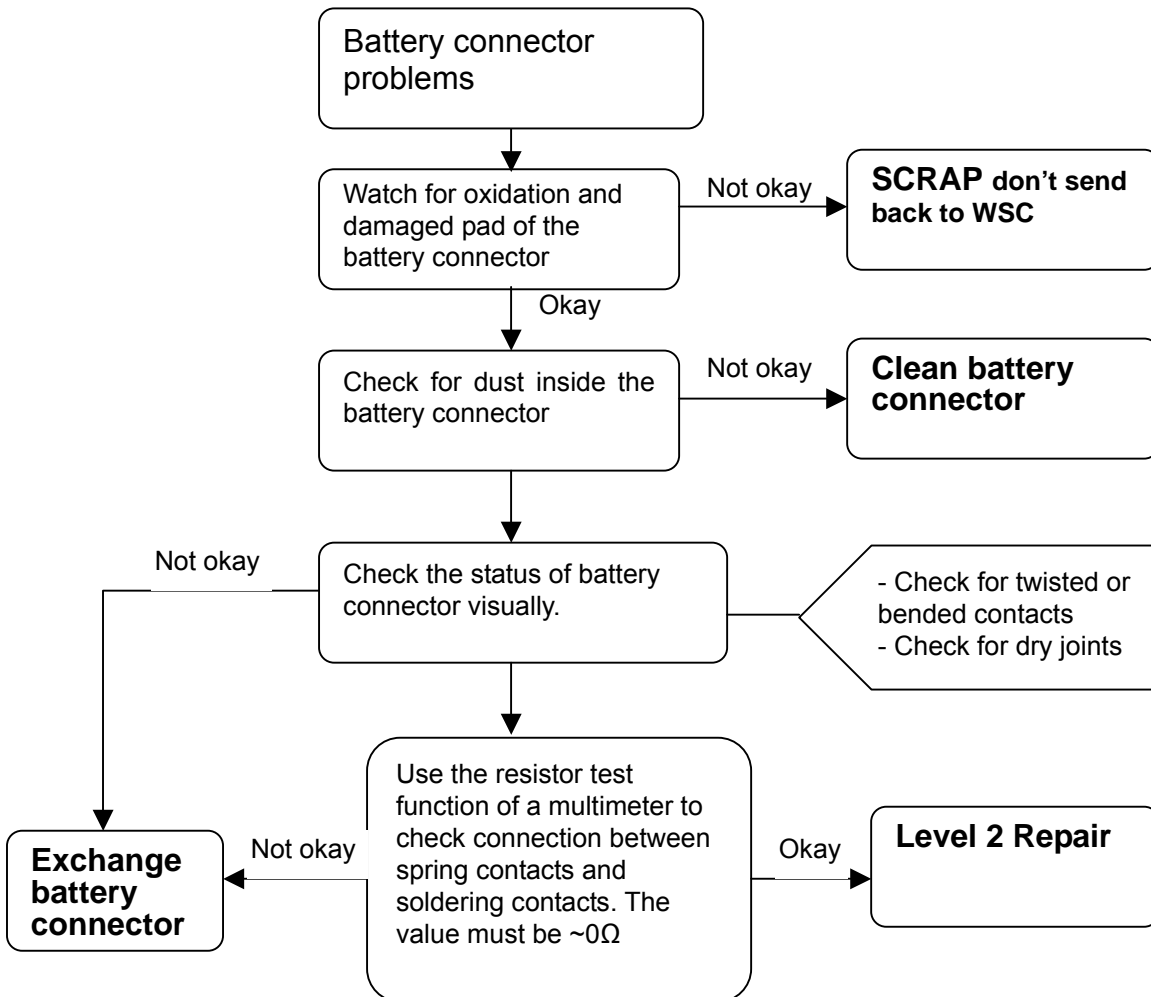
#### LED

Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards. **Attention: Remove Metal Dome Sheet before!!!**

E-commerce order number: V20810-U6208-D670  
Soldering temperature: 240 - 255°C  
IRIS Diagnose Code: 36000 Keys/Illumination

## 4. Battery Connector

Customer: Mobile does not switch on	GRT: No Support
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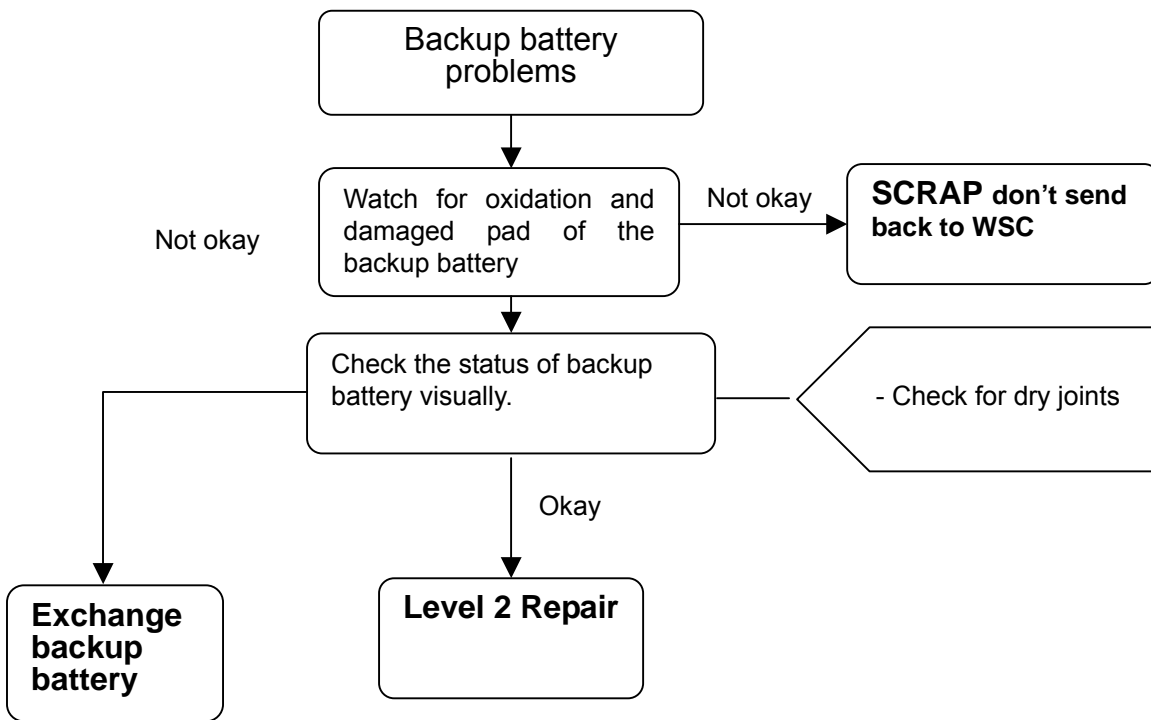
### Connector Battery

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components!

E-commerce order number: C39334-Z97-C486  
Soldering temperature: 240 – 255°C  
IRIS Diagnose Code: 91500 Functionality / Switch Off Problems / Battery Contacts Damage

### 5. Backup Battery

Customer: Customer parameter (date and time) are not saved when battery is removed	GRT: No Support
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#### Backup Battery

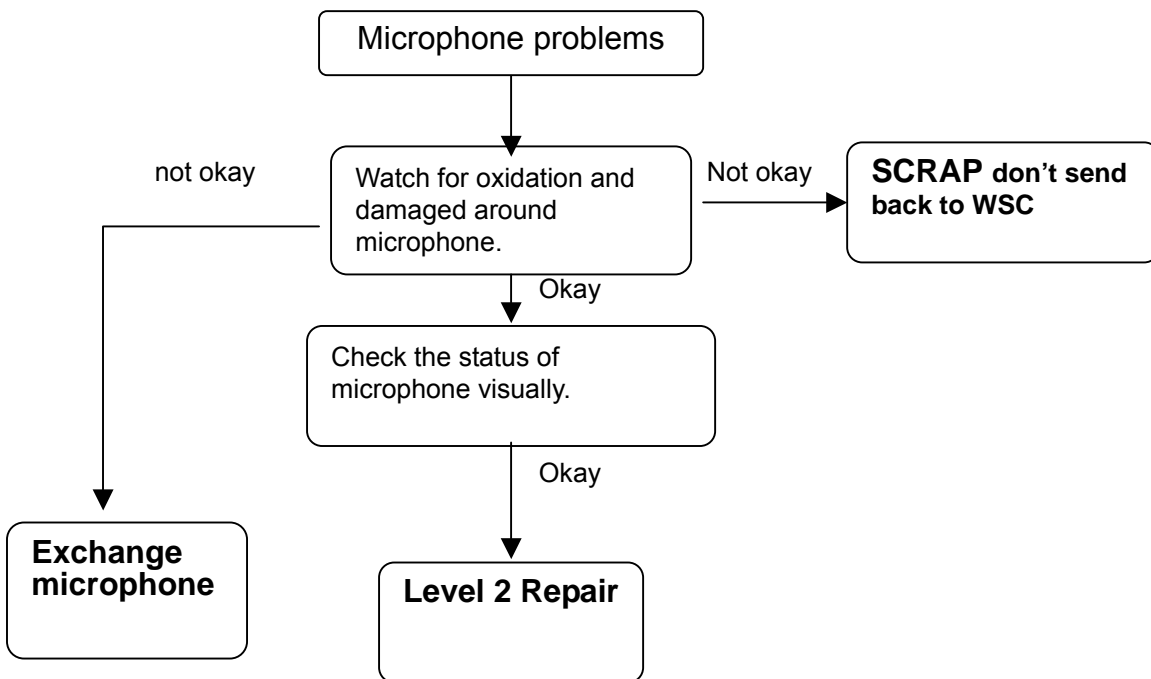
Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Re-solder new component afterwards.

E-commerce order number: V39328-F2705-Z2  
 Soldering temperature: 240 – 255°C  
 IRIS Diagnose Code: C8100 Settings/ General / Clock / Date



## 6. Microphone

Customer: Customer parameter (date and time) are not saved when battery is removed	GRT: No Support
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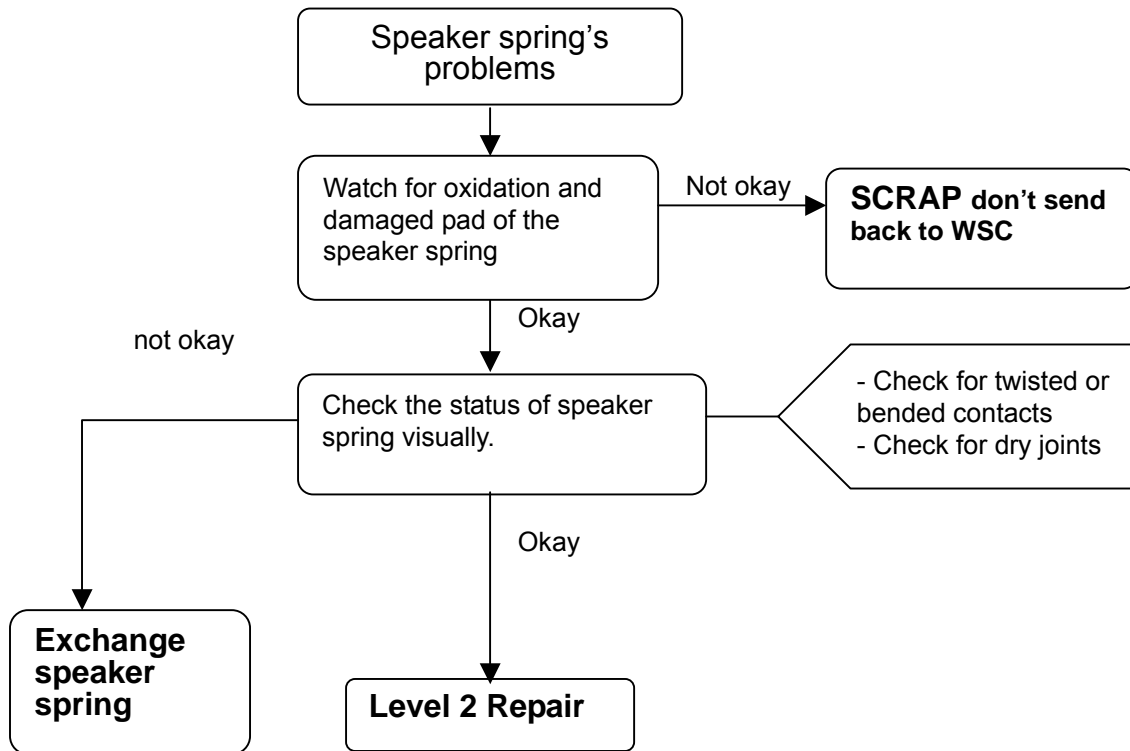
### Microphone

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components!

E-commerce order number: C39254-Z6-C139  
 Soldering temperature: 240 – 255°C  
 IRIS Diagnose Code: 73110 Acoustics/ Transmitting / Microphone / No Function  
 73130 Acoustics/ Transmitting / Microphone / Mechanical damage  
 73140 Acoustics/ Transmitting / Microphone / Noise

## 7. Speaker Spring

Fault Symptoms	
Customer: No ring tone under correct setting.	GRT: No Support



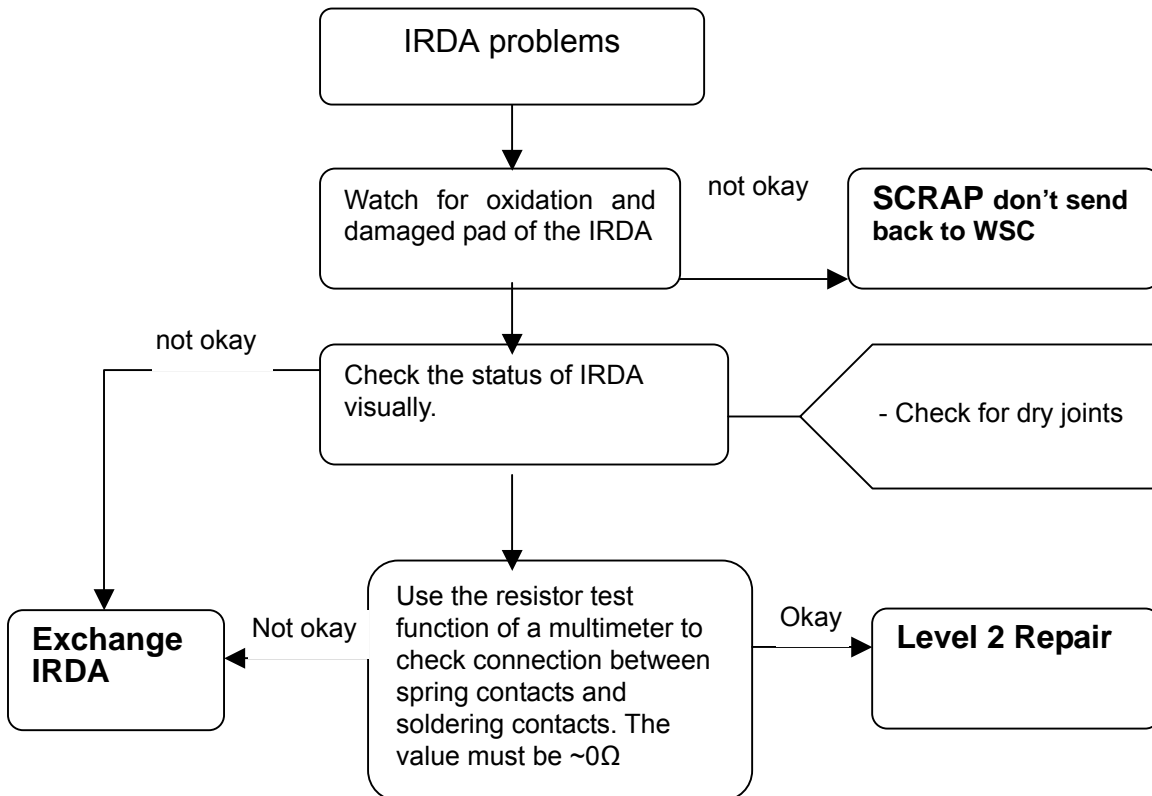
### Speaker Spring

Use tweezers to remove defective component. Avoid excessive heat! Watch surrounding components!  
 Re-solder new component afterwards.

E-commerce order number: C39334-Z97-C487  
 Soldering temperature: 240 – 255°C  
 IRIS Diagnose Code: 74000 Acoustics/ Ringer / No Function  
 41300 Acoustics/ Ringer / Mechanical Damage

## 8. IRDA

Fault Symptoms	
Customer: No infrared connection possible.	GRT: No Support



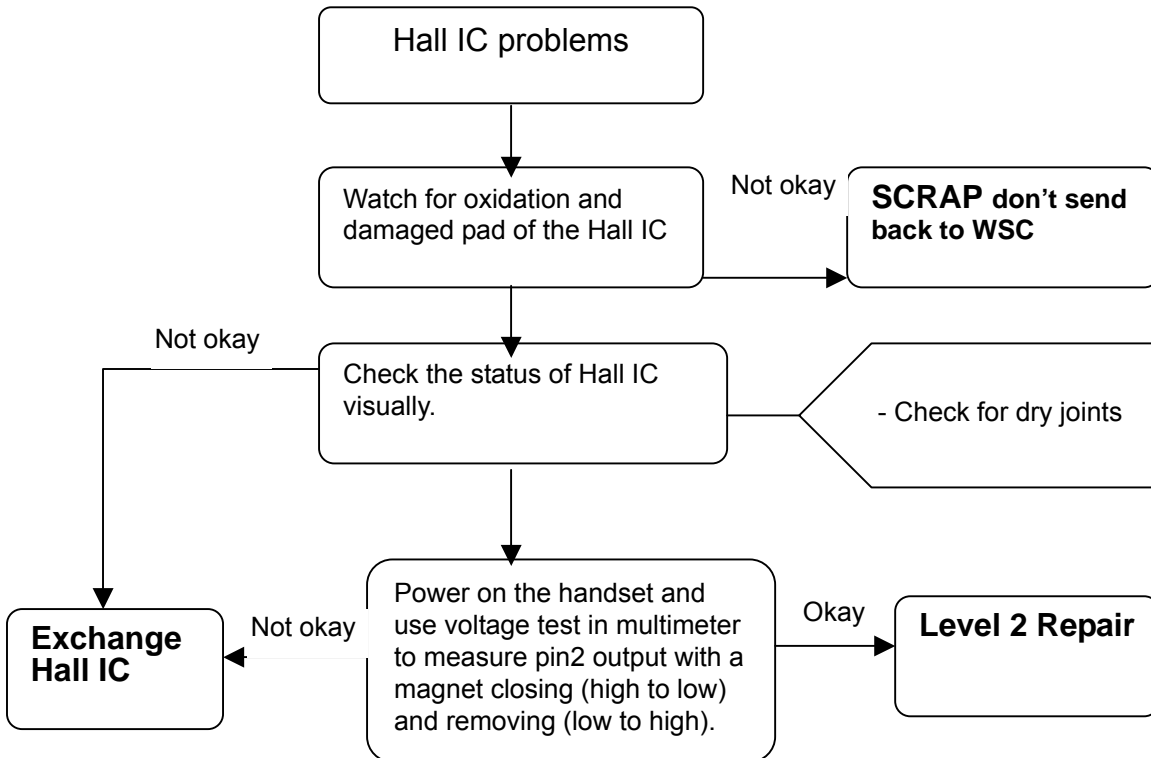
### IRDA

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Re-solder new component afterwards.

E-commerce order number: V20810-U6208-D670  
 Soldering temperature: 240 – 255°C  
 IRIS Diagnose Code: 41100 Interfaces/ IRDA / No Function  
 41300 Interfaces/ IRDA / Mechanical Damage

## 9. Hall IC

Fault Symptoms	
Customer: No infrared connection possible.	GRT: No Support



### Hall IC

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Re-solder new component afterwards.

E-commerce order number: V20810-U6207-D670

Soldering temperature: 240 – 255°C

IRIS Diagnose Code: