

Service Repair Documentation Level 2.5 - CF62, CF62R, CF63,



Release	Date	Department	Notes to change
1.0	23.03.2004	ICM MP CCQ GRM T	New document
2.0	12.05.2004	ICM MP CCQ GRM T	CF63 added
2.1	03.06.2004	ICM MP CCQ GRM T	Changes in procedure
2.2	10.12.2004	ICM MP CCQ GRM T	VIBRA added
2.3	22.02.2005	COM MD CC GRM T	CF62R added

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 CF62, CF62R, CF63 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 CF62, CF63 related Customer Care Information

CF62	Partnumber on IMEI label:	S30880-S6050-#xxx
CF62R	Partnumber on IMEI label:	S30880-S6040-#xxx
CF63	Partnumber on IMEI label:	S30880-S6060-#xxx

, while # may be any letter (A-Z) and xxx may be any number from 100, 101, 102....

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:

Scrap Handling: All Scrap information given in this manual are related to the SCRAP-Rules and instructions.

Attention: Consider soldering rules, avoid excessive heat

Tel.: +49 2842 95 4666
Fax: +49 2842 95 4302
e-mail: st-support@klf.siemens.de

Table of Content

1 CF62, CF62 R, CF63 board layout.....4

2 Connector SIM Card Reader5

3 Connector IO Jack.....6

4 Connector Board to Board.....7

5 Connector Battery8

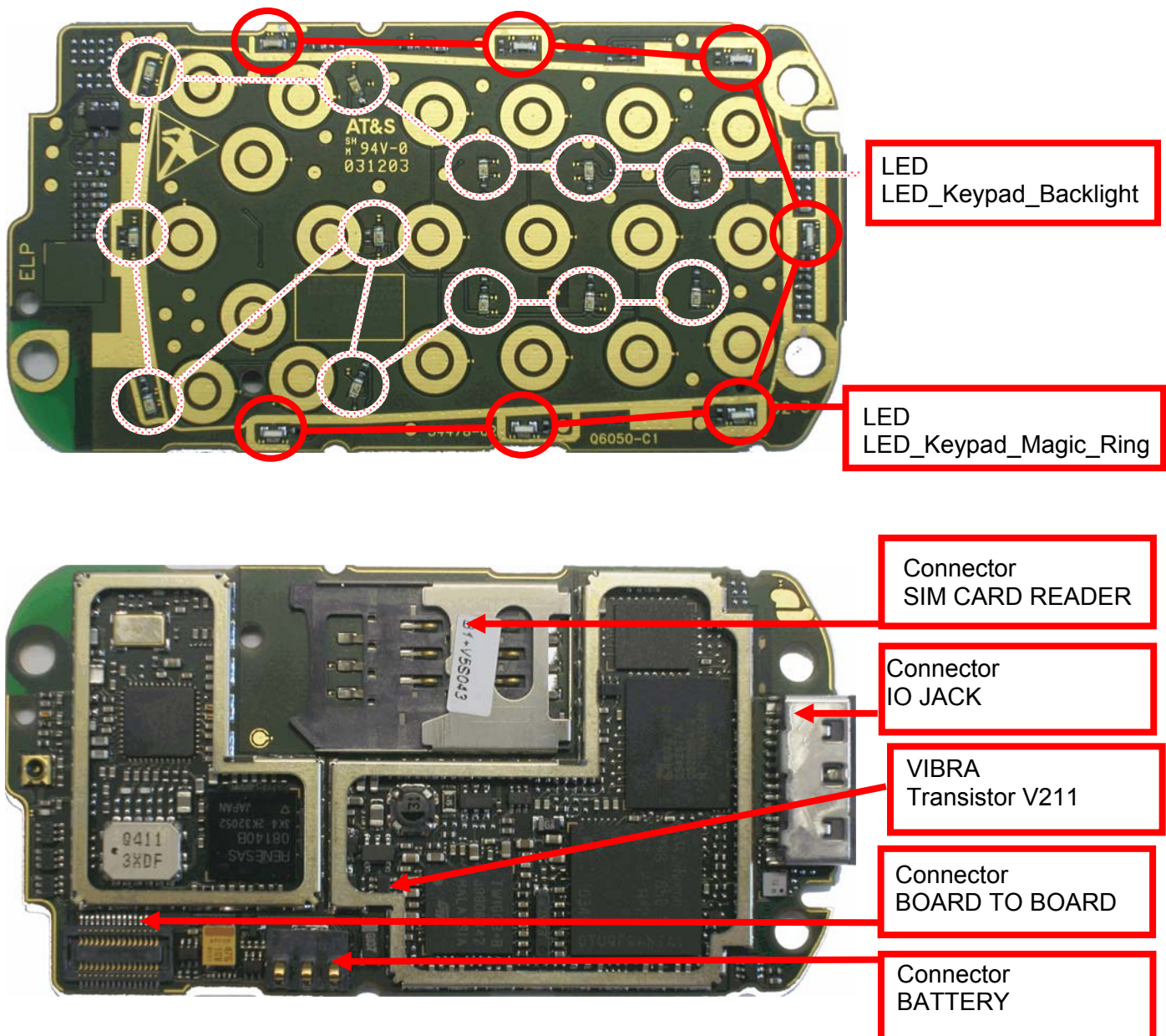
6 LED Keypad Backlight and LED Keypad Magic Ring.....9

7 VIBRA TRANSISTOR10

1 CF62, CF62 R, CF63 board layout

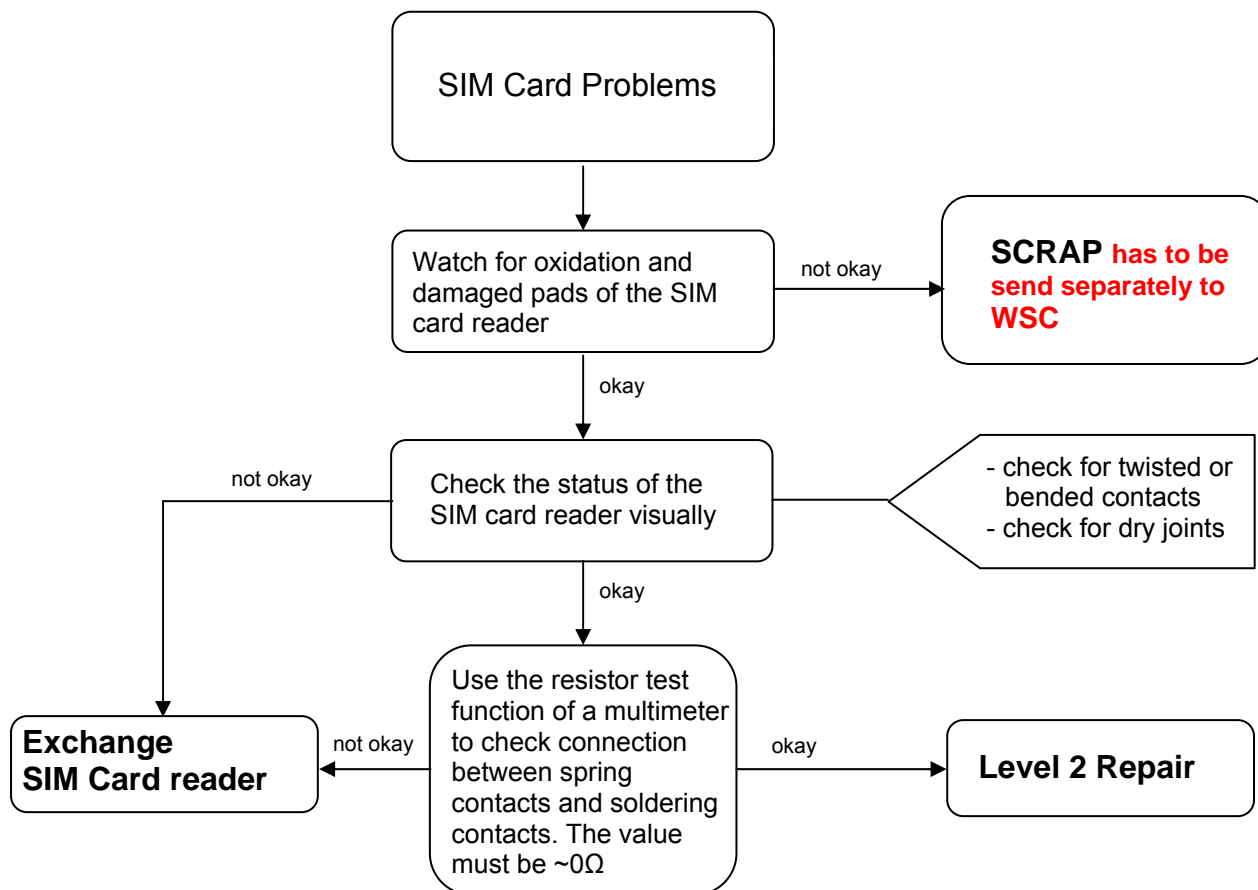
Jigs, Tools and Working materials for all described repairs:

- hot air blower
- soldering gun
- tweezers
- flux
- solder



2 Connector SIM Card Reader

Fault Symptoms	
Customer: Handset does not accept SIM card	GRT: SIM Card Problems



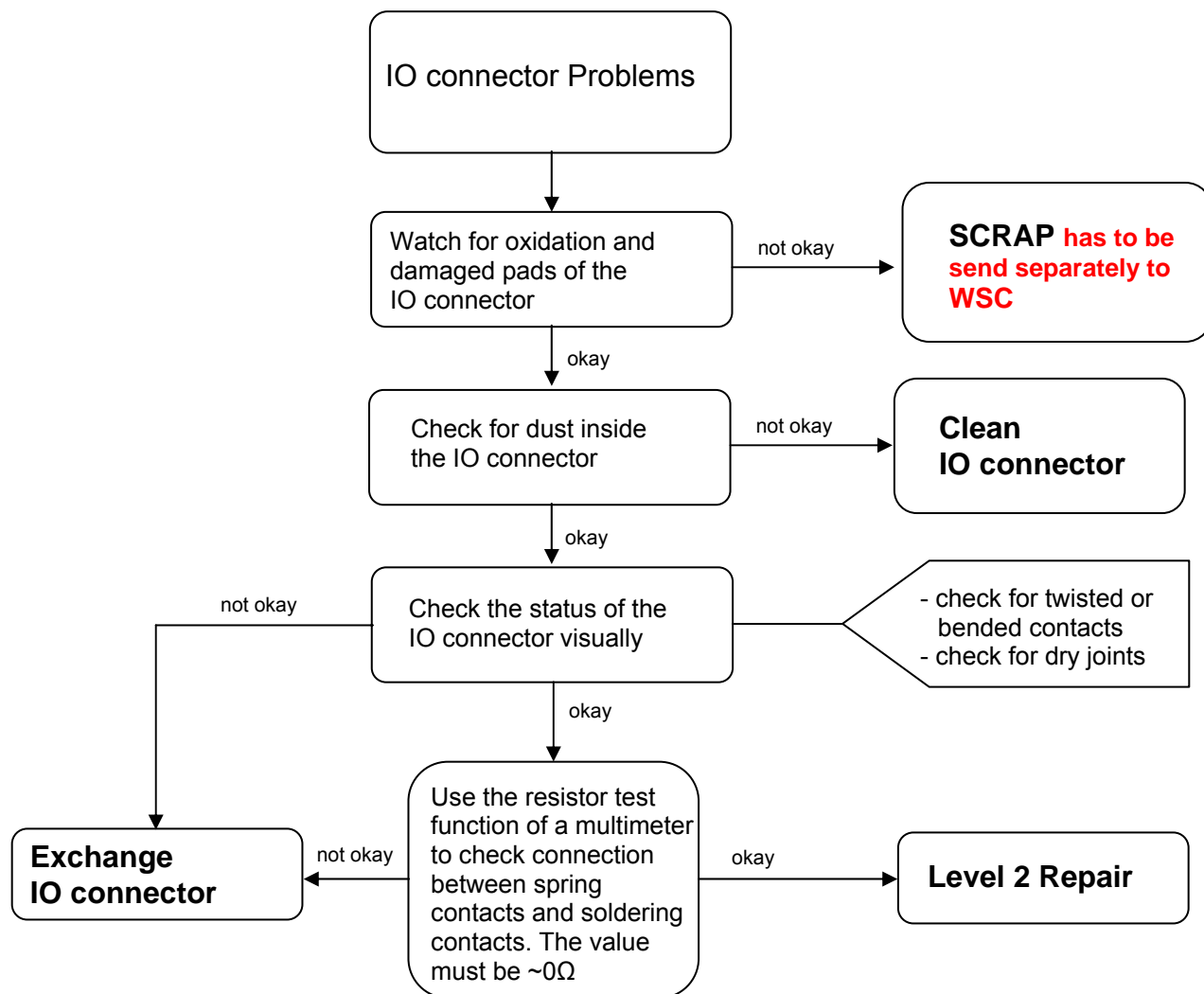
Connector SIM Card Reader

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

E-commerce order number: L36334-Z97-C335
Soldering temperature: 240 - 255°C
IRIS Diagnose Code: 43300 Interface/SIM Cardreader/Mechanical Damage

3 Connector IO Jack

Fault Symptoms	
Customer: Charging Problems Problems with external loudspeaker or microphone when using a car kit Problems with accessories connected at the IO connector	GRT: No connection to GRT Tbd.



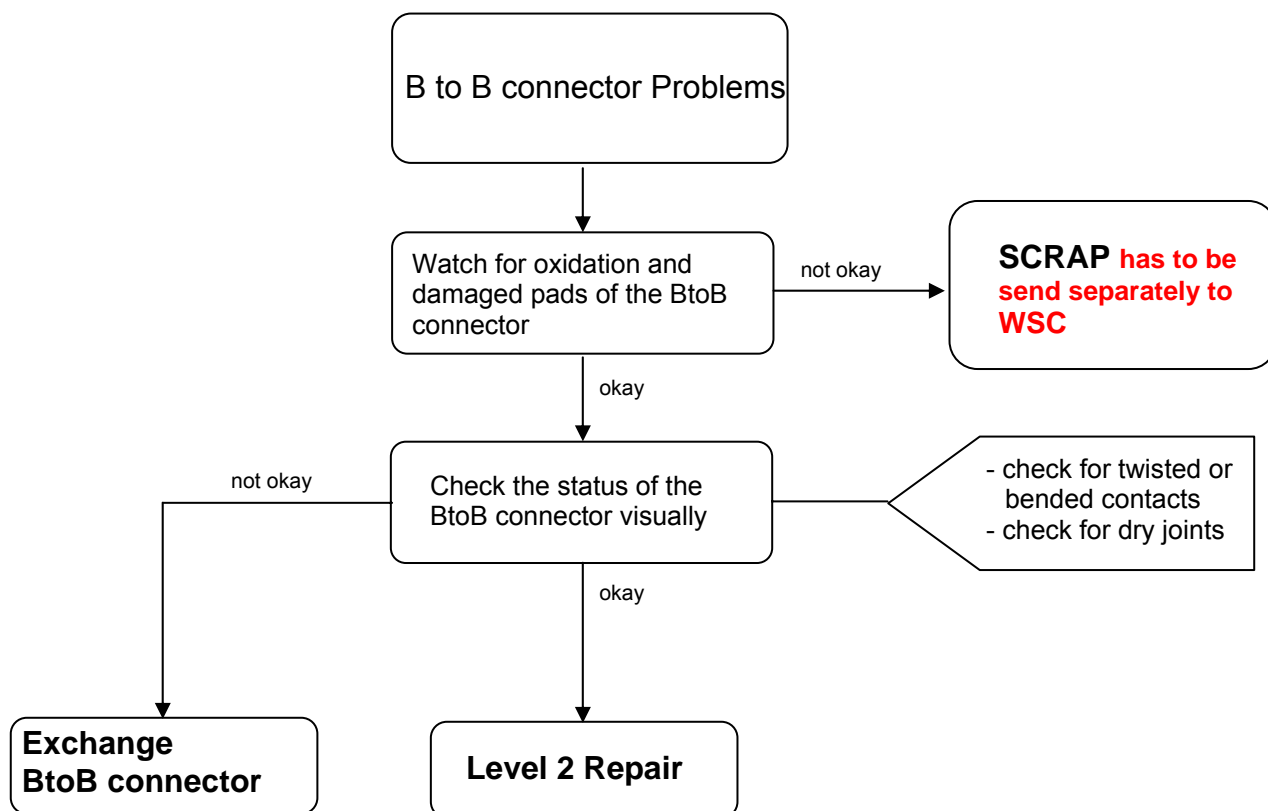
Connector IO Jack

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

E-commerce order number: L36334-Z93-C303
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

4 Connector Board to Board

Fault Symptoms	
Customer: Display problems, like missing lines or columns on the LCD or display contrast problems or illumination problems	GRT: Display problems



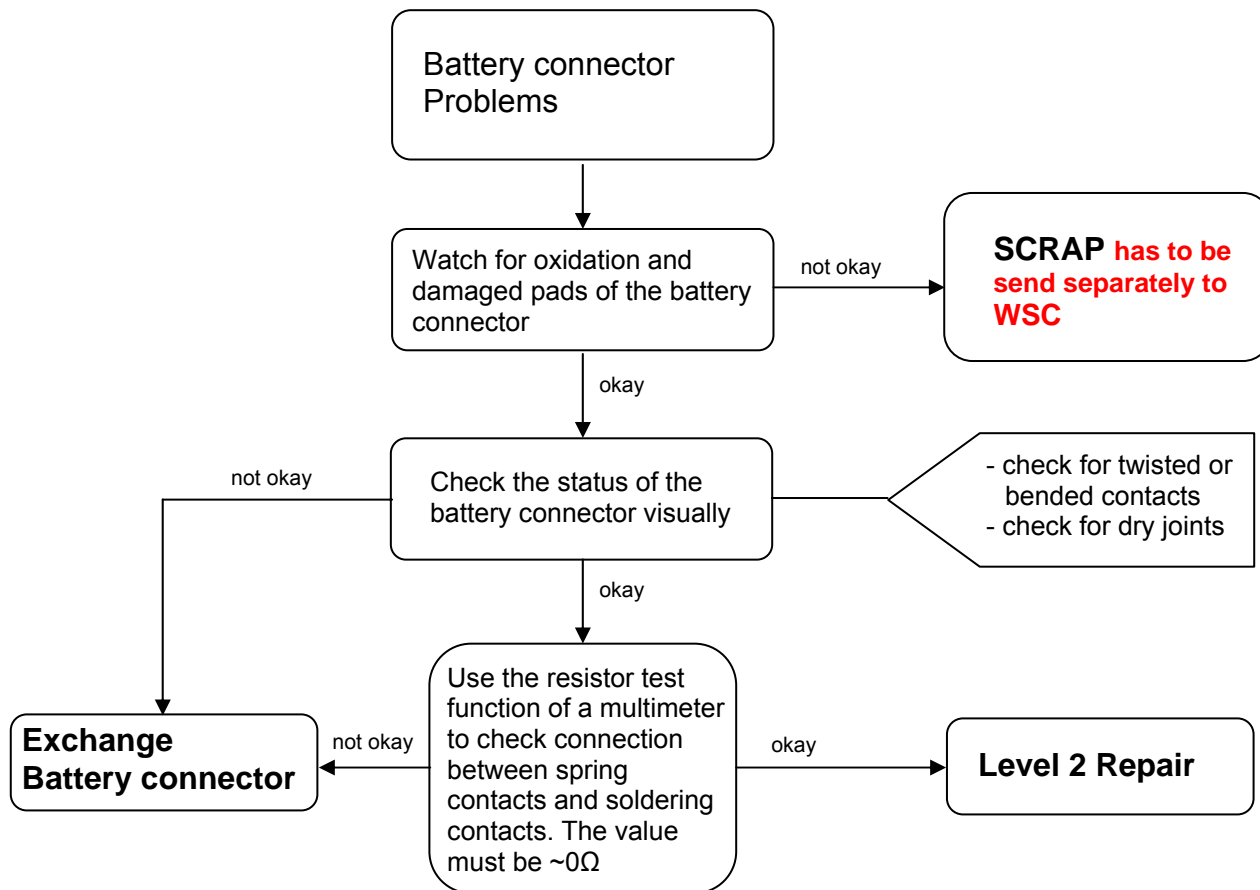
Connector Board to Board

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

E-commerce order number: L36334-Z97-C341
Soldering temperature: 240 - 255°C
IRIS Diagnose Code:
2A100 Display/Outer(Claimshell)/Performance
2A100 Display/Outer(Claimshell)/ Background Illumination
72110 Acoustics/Receiving/Earcap/No Function
72170 Acoustics/Receiving/Earcap/Low Voice Level
75100 Acoustics/Vibra/No Function

5 Connector Battery

Fault Symptoms	
Customer: Mobile does not switch on	GRT: No connection to GRT



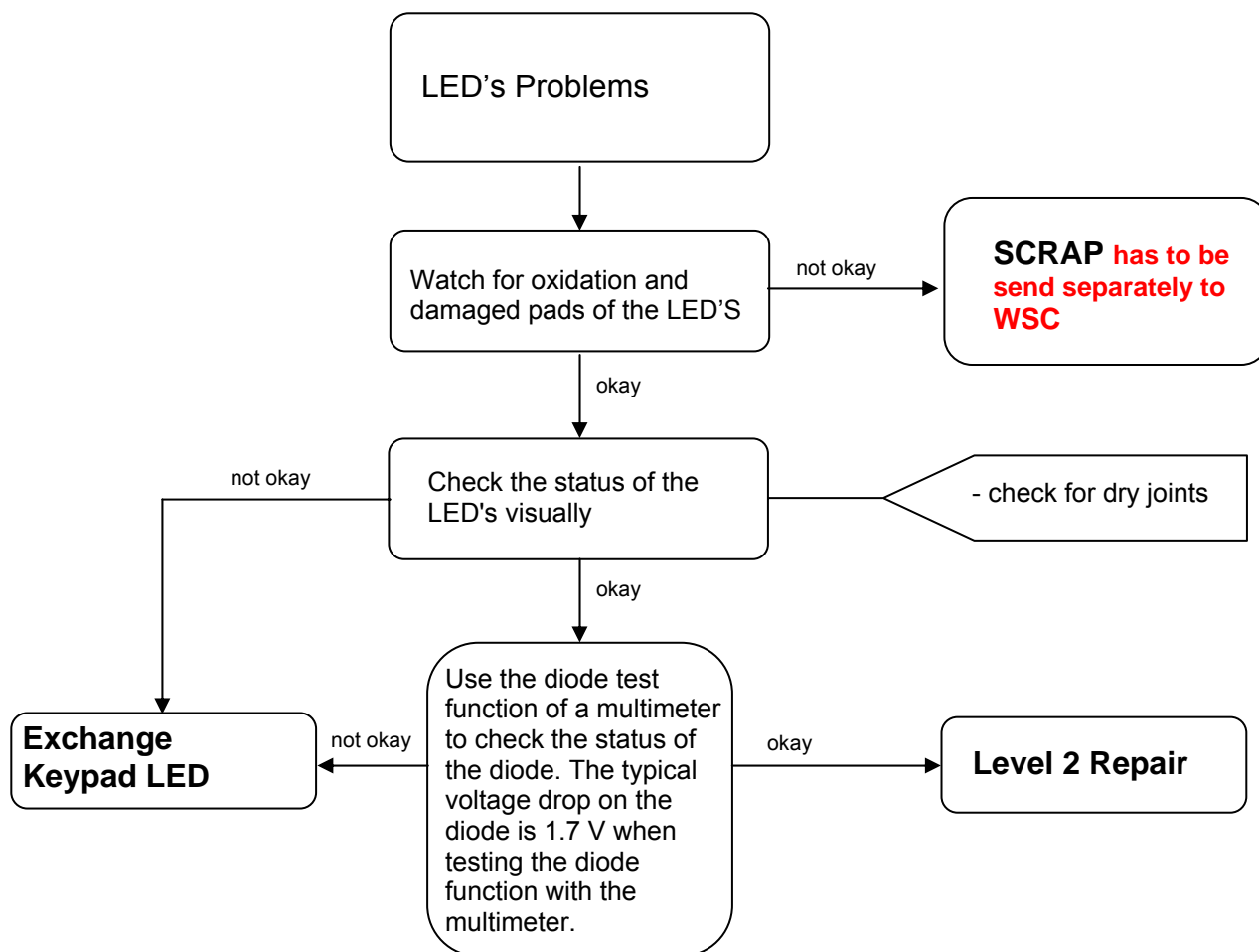
Connector BATTERY

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

E-commerce order number: L36334-Z97-C336
Soldering temperature: 240 - 255°C
IRIS Diagnose Code: 13000 Battery/Mechanical Damage

6 LED Keypad Backlight and LED Keypad Magic Ring

Fault Symptoms	
Customer: Keypad illumination does not work	GRT: Tbd.



LED Keypad Backlight

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: CF62/CF63: L36840-L2095-D670 CF62R: L36840-L2083-D670
Soldering temperature: 240 - 255°C
IRIS Diagnose Code: 36000 Keys/Illumination

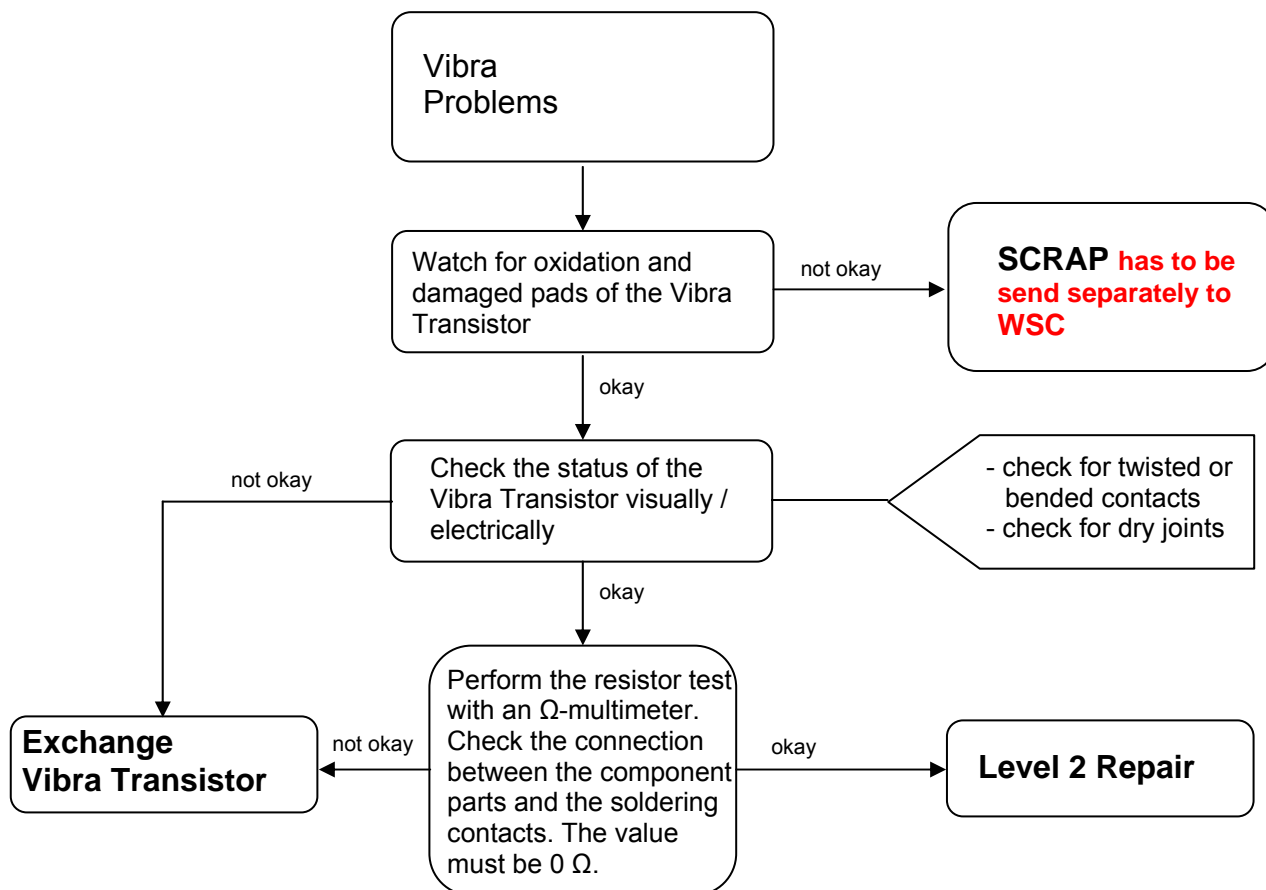
LED Keypad Magic Ring

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

E-commerce order number: CF62/CF63: L36840-L2055-D670 CF62R: L36197-F5005-F782
Soldering temperature: 240 - 255°C
IRIS Diagnose Code: 36000 Keys/Illumination

7 VIBRA TRANSISTOR

Fault Symptoms	
Customer: Vibra permanent works	GRT: Tbd.



VIBRA Transistor (V211)

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

E-commerce order number: L36810-C6144-D670
Soldering temperature: 240 - 255°C
IRIS Diagnose Code: 75400 Acoustics / Vibra / Electrical Damage