



Sony Ericsson

Troubleshooting Guide

- electrical -



Yendo, Yizo
W150, W150i, W150a



CONTENTS

1	Troubleshooting Flow	3
1.1	Display	3
1.2	Touch	4
1.3	Illumination	5
1.4	Keys & Sensors	6
1.5	Alert	7
1.6	Audio	8
1.7	On/Off	9
1.8	Charging & Capacity	10
1.9	SIM.....	11
1.10	Camera	12
1.11	Data Communication.....	13
1.12	Memory Stick	14
1.13	Network & Signal	15
2	Revision History	16



1 Troubleshooting Flow

1.1 Display

Symptom: Display problem

Replace: **J502**, if damaged

RN504, RN505 or RN506, if damaged



Troubleshooting Flow

1.2 Touch

Symptom: Touch Screen problems

Replace: **J504**, if damaged

U504

U503

U502



Troubleshooting Flow

1.3 Illumination

Symptom: No Display illumination

Replace: **J502**, if damaged

Symptom: No Main key LED

Replace: **D707,D708, D709** if damaged

D711, if damaged

Symptom: No Pre-charge Charge LED

Replace: **J403**, if damaged

D403, if short circuit

LED401, if damaged



Troubleshooting Flow

1.4 Keys & Sensors

Symptom: Power/Lock Key problems

Replace: **SW722**, if damaged

Symptom: Home Key problems

Replace: **D705** or **D706**, if short circuit

Symptom: Volume up key problems

Replace: **SW720**, if damaged

D705 , if short circuit

Symptom: Volume down key problems

Replace: **SW721**, if damaged

D705 , if short circuit

Symptom: Proximity Sensor

Replace: **D701**, if short circuit

Q701

U701



Troubleshooting Flow

1.5 Alert

Symptom: Vibrator problems

Replace: **J605**, if damaged



Troubleshooting Flow

1.6 Audio

Symptom: No Microphone

Replace: **J604**, if damaged

Symptom: No Earphone

Replace: **D610** or **D611**, if short circuit

Symptom: No or bad Loudspeaker

Replace: **J602** or **J603**, if damaged
D601 or **D602**, if short circuit

Symptom: No Hands-free (PHF) Aux Microphone

Replace: **J601**, if damaged
D605, if short circuit

Symptom: No Hands-free (PHF) Aux Earphone

Replace: **J601**, if damaged
D607 or **D608**, if short circuit

Symptom: No Hands-free (PHF) audio – Phone not recognizes PHF set

Replace: **J601**, if damaged
D606, if short circuit

Symptom: No FM Radio

Replace: **J601**, if damaged
D604, if short circuit

Symptom: Cannot supply power to accessories with 3.5mm AVP plug

Replace: **J601**, if damaged
D612, if short circuit
U604
Q602

Symptom: Phone not recognizes accessories with 3.5mm AVP plug, or
No remote control functionality of accessories with 3.5mm AVP plug.

Replace: **J601**, if damaged
D613, if short circuit
Q601



Troubleshooting Flow

1.7 On/Off

Symptom: Using no current when On/Off key is pressed and will not start.

Replace: **J401**, if damaged
SW722, if damaged
D401, if short circuit



Troubleshooting Flow

1.8 Charging & Capacity

Symptom: No Charging from power outlet

Replace: **J401**, if damaged
J403, if damaged
D401, if short circuit
D403, if short circuit



Troubleshooting Flow

1.9 SIM

Symptom: SIM not detected

Replace: **J404**, if damaged

D413, D414, D415 or **D416**, if short circuit



Troubleshooting Flow

1.10 Camera

Symptom: Camera problems

Replace: **J501**, if damaged

RN501, RN502 or RN503 if damaged



Troubleshooting Flow

1.11 Data Communication

Symptom: No communication via Micro USB

Replace: **J403**, if damaged
D404 or **D405**, if short circuit

Symptom: No communication via Bluetooth

Replace: **U801**
U802



Troubleshooting Flow

1.12 Memory Stick

Symptom: Memory stick not detected

Replace: **J406**, if damaged



Troubleshooting Flow

1.13 Network & Signal

Symptom: Phone fails to lock on to network during radiated (wireless) Go/NoGo test

Action: Use RF probe to perform conducted Go/NoGo test

Symptom: Phone pass conducted (RF cable) Go/NoGo test but fails radiated (wireless) Go/NoGo test

Check: **J904** for damage and replace, if damaged

Replace: Rear Cover Assy

Action: Rerun the phone through radiated (wireless) Go/NoGo testing



2 Revision History

Rev.	Date	Changes / Comments
1	2010-Nov-08	Initial release