LUMIA USB BOOT REPAIR

Supported model list :

Lumia V1 Phones:

RM-820, RM-821, RM-824, RM-825, RM-846, RM-860, RM-867, RM-875, RM-876, RM-877, RM-885,

RM-887, RM-892, RM-910, RM-913, RM-914, RM-915, RM-917, RM-941, RM-942, RM-955, RM-994,

RM-995, RM-996, RM-997, RM-998

Lumia V2 Phones:

RM-937, RM-938, RM-939, RM-940, RM-974, RM-975, RM-976, RM-977, RM-978, RM-979, RM-1010,

RM-1017, RM-1018, RM-1019, RM-1020, RM-1027, RM-1045

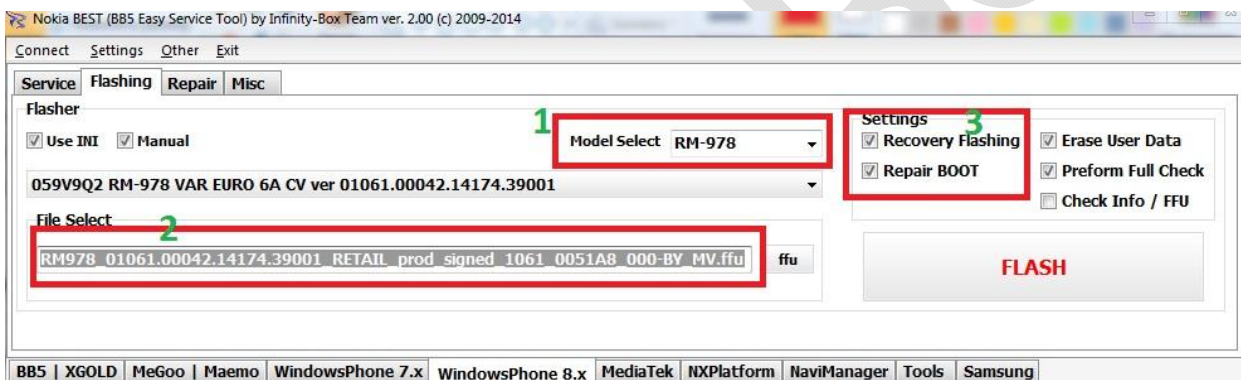# Repair V1 WP8 phones (Lumia 820 and up) :

First Case : **Dead Boot** (PC detect "Zeus Flash" or "Qualcomm HS-USB" or "Nokia Emergency")
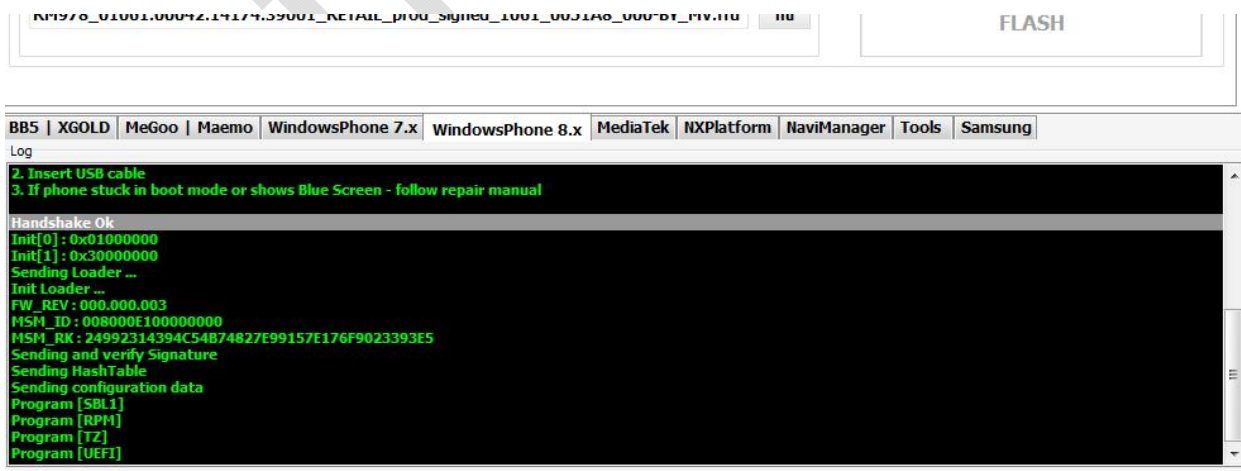
For repair need:

1. USB cable
2. Charged battery
3. Nokia X2 Emergency driver installed (can be found on support area)
4. For WinXp in most case need install driver manually

How repair:

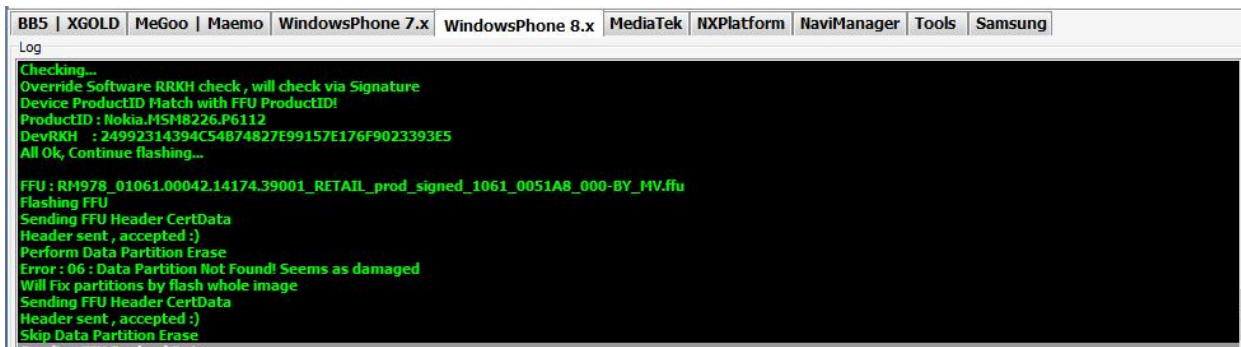- Run BEST, select correct RM-xxx in model selection:

- Press "Flash" button and connect Phone.

Lumia WP8 Boot Repair

- Wait until process will be finished.


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BB5 | XGOLD | MeGoo | Maemo | WindowsPhone 7.x | WindowsPhone 8.x | MediaTek | NXPlatform | NaviManager | Tools | Samsung
Log
Checking...
Override Software RRKH check , will check via Signature
Device ProductID Match with FFU ProductID!
ProductID : Nokia.MSM8226.P6112
DevRKH   : 24992314394C54B74827E99157E176F9023393E5
All Ok, Continue flashing...

FFU : RM978_01061.00042.14174.39001_RETAIL_prod_signed_1061_0051A8_000-BY_MV.ffu
Flashing FFU
Sending FFU Header CertData
Header sent , accepted :)
Perform Data Partition Erase
Error : 06 : Data Partition Not Found! Seems as damaged
Will Fix partitions by flash whole image
Sending FFU Header CertData
Header sent , accepted :)
Skip Data Partition Erase
Sending FFU Payload Data
```

- Device will boot up, when all done

If you face any problem – check cable, battery, correct model selection and then try make procedure again.

Lumia WP8 Boot Repair

Second Case : BootLoop , no connection , BSOD: Phone not connect to PC, shows Blue Screen or just vibrate.
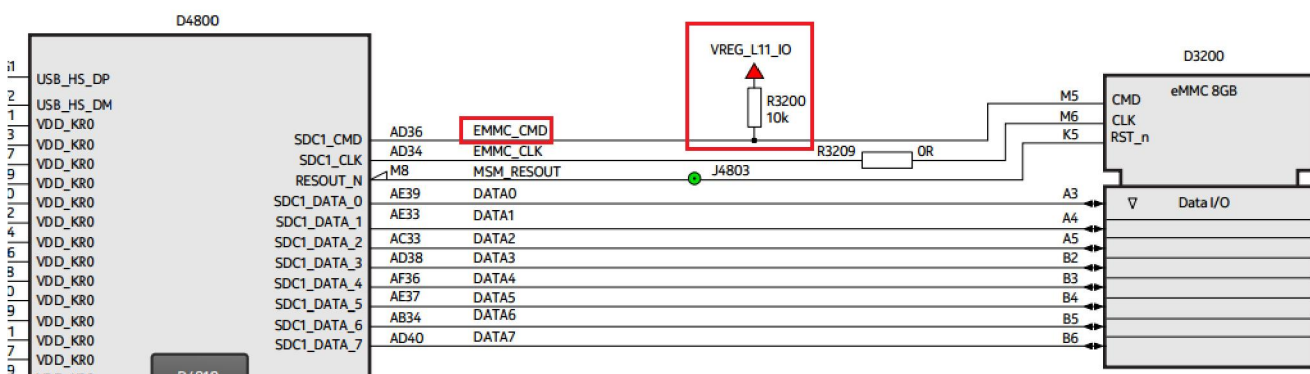
For repair need:

1. USB cable
2. Charged battery
3. Nokia X2 Emergency driver installed (can be found on support area)
4. For WinXp in most case need install driver manually
5. **TestPoint procedure**

TestPoint Procedure :

1. Find phone schematic according your Phone Model
2. Find **eMMC on it** , find **EMMC_CMD** line.

Find **R3200** on phone, by using component place locator:

E21	G4200	H19	L7720	J19	R4202	D19	V		X6302	A17	Z6303	A18	J4208	G19	J9206	I15
F21	L		L7761	F1	R4203	D19	V1350	J8	X6500	D17	TST points		J4209	E18	J9207	K15
G20	L1351	I7	M		R4204	D19	V2150	F3	X6501	D18	J1001	K7	J4210	E18	J9208	K15
E21	L1352	J10	M2110	J5	R4280	E19	V2163	J6	X7720	K19	J1003	K7	J4800	H19	J9210	I15
F21	L1354	I8	N		R4281	D21	V4290	C19	X7750	B21	J1005	K7	J4801	H19	J9211	I15
D21	L1355	I10	N1401	C18	R4291	D21	V4291	D19	X7751	B21	J1006	K7	J4802	H19	J9337	J12
C21	L1400	B18	N4200	E20	R4295	C21	V4292	D19	X7760	F1	J1008	K7	J4803	I19	J9343	J15
E21	L1404	C17	N7700	I19	R4296	C21	V5200	I15	X7761	F1	J1400	C17	J4804	H19		
D21	L2110	I6	R		R4402	J19	X		X7764	I3	J1401	C17	J5200	J11		
D20	L2111	J6	R1367	J8	R4403	J17	X1350	I7	Z		J1402	D17	J5201	K11		
C19	L3300	C20	R1368	J8	R4405	J19	X1351	J11	Z4200	F19	J1403	D17	J5202	K11		
G19	L4200	F19	R1369	J8	R4406	J17	X1400	F17	Z4201	E19	J2110	J6	J5203	J10		
F20	L4201	E19	R1380	J8	R4960	K11	X1401	B19	Z4202	E19	J2111	J6	J5204	J11		
J20	L4202	E19	R1381	J8	R4961	K11	X1402	B20	Z4203	D19	J4201	I19	J7720	J20		
I20	L4203	D19	R1382	J8	R5203	K11	X2000	B16	Z4204	F20	J4202	I19	J9200	J15		
J20	L4204	F20	R1401	G18	R7572	D21	X2101	F3	Z4205	F20	J4203	I19	J9201	J15		
F1	L4205	F21	R1402	C21	R7720	K19	X2102	F3	Z4206	C20	J4204	I19	J9202	J15		
	L4208	C20	R2110	J6	R7750	B20	X5200	J13	Z4207	C19	J4205	I19	J9203	J15		
I17	L7700	I19	R3200	J18	R7760	F2	X6300	B20	Z4400	J6	J4206	C20	J9204	J15		
	L7701	I19	R4200	C20	R9215	I15	X6301	A18	Z5200	J11	J4207	C20	J9205	I15		

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Find it in component placing:
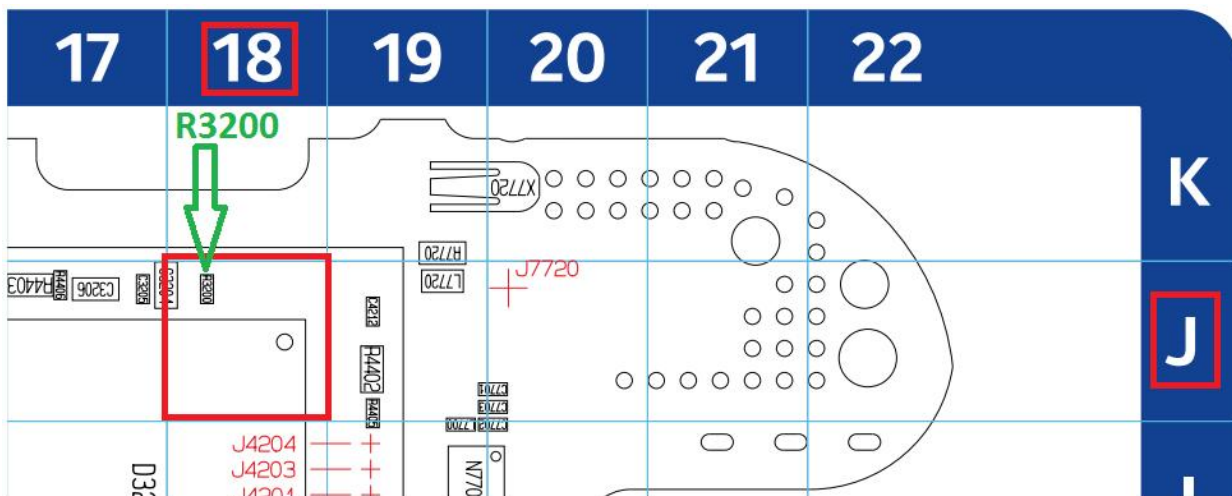
Now you can do following:

a) Short resistor

Lumia WP8 Boot Repair
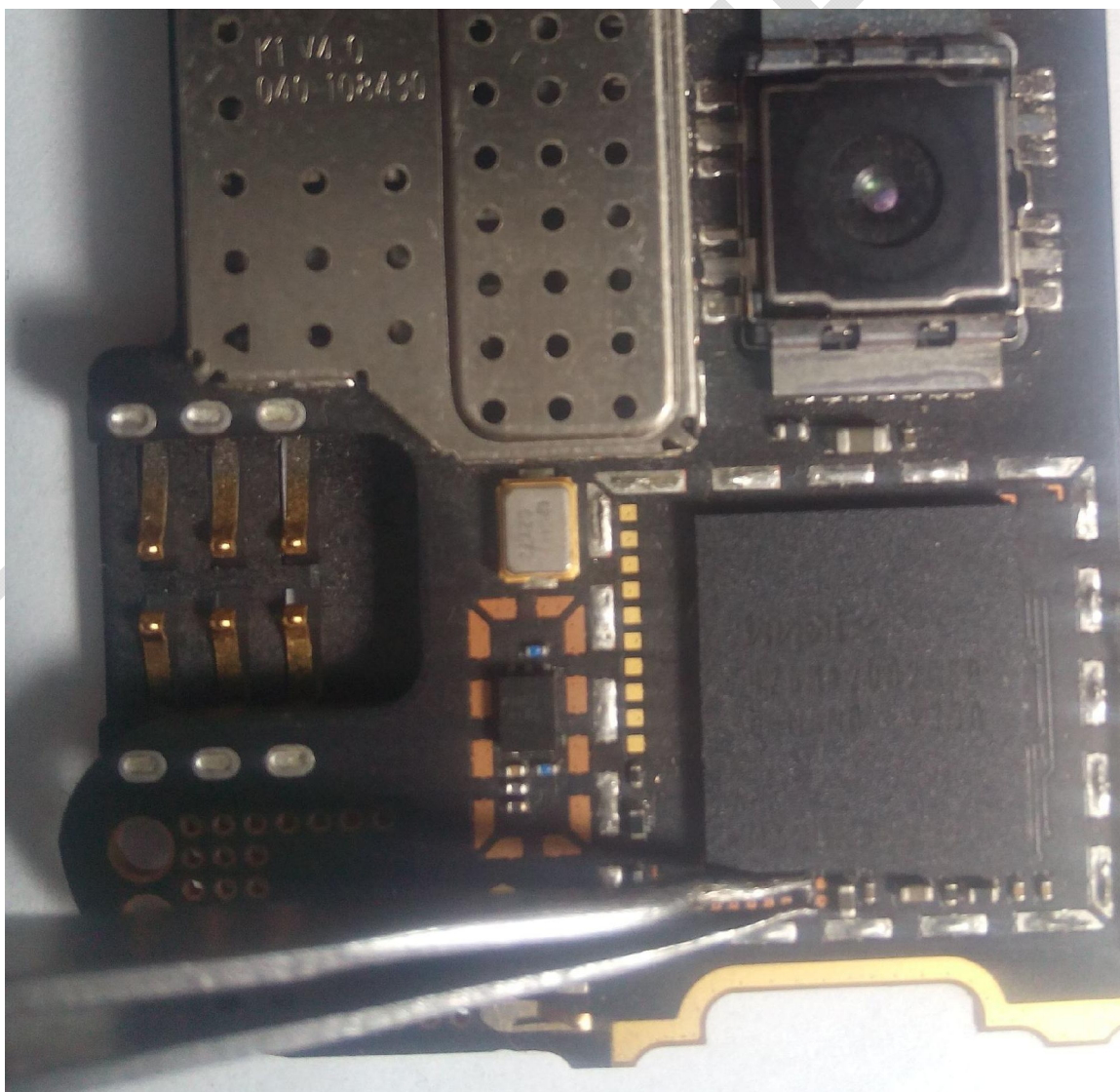
    b) Short any **EMMC_CMD** line point to ground

FYI : In some models **EMMC_CMD** can have TestPoint , which can be accessed without removing protection shield. If you find on EMMC_CMD line any TP – use it, instead of desoldering shield and e.t.c.
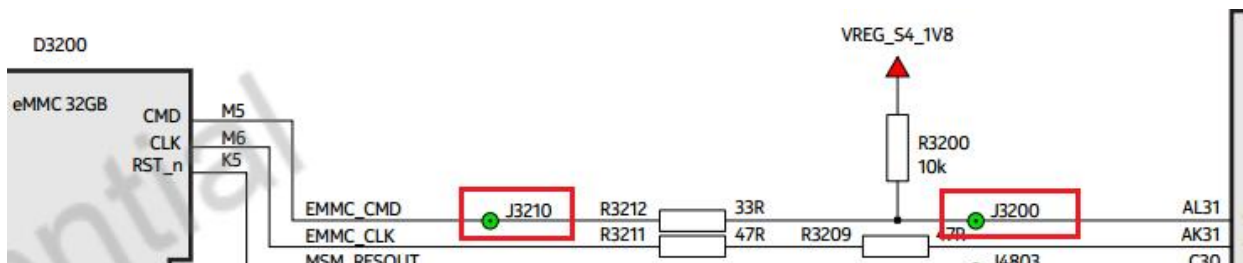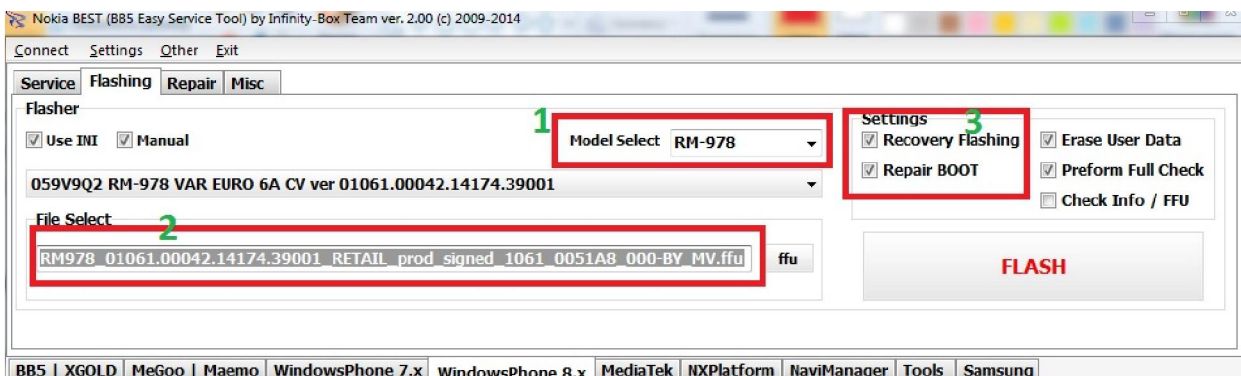

Those points are located at bottom of shield and can be accessed well without removing shield.

   3. **After you short TestPoint – insert USB cable in phone.** PC should detect it in recovery mode. Remove short and connect battery.

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How repair:

- Run BEST, select correct RM-xxx in model selection:

- Press "Flash" button and connect Phone.

- Wait until process will be finished.
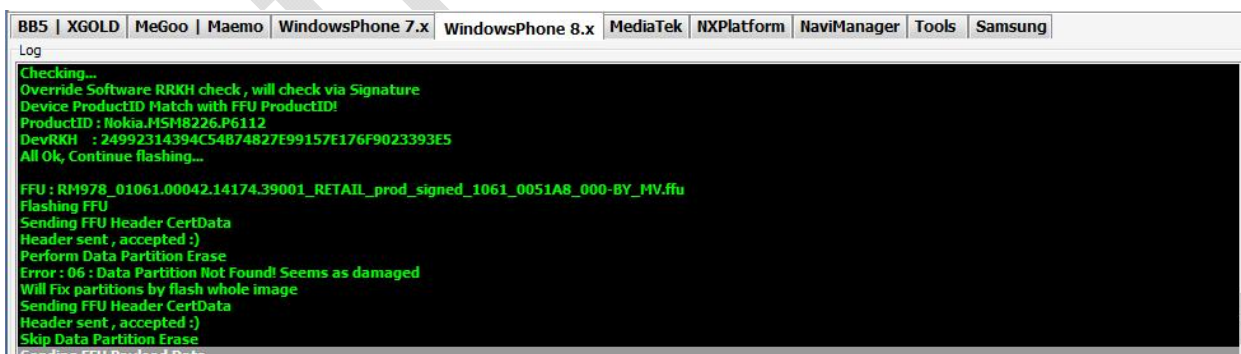
- Device will boot up, when all done

If you face any problem – check cable, battery, correct model selection and then try make procedure again.

Repair V2 WP8 phones (Lumia 630 and up) :

First Case : **Dead Boot** (PC detect "Zeus Flash" or "Qualcomm HS-USB" or "Nokia Emergency")
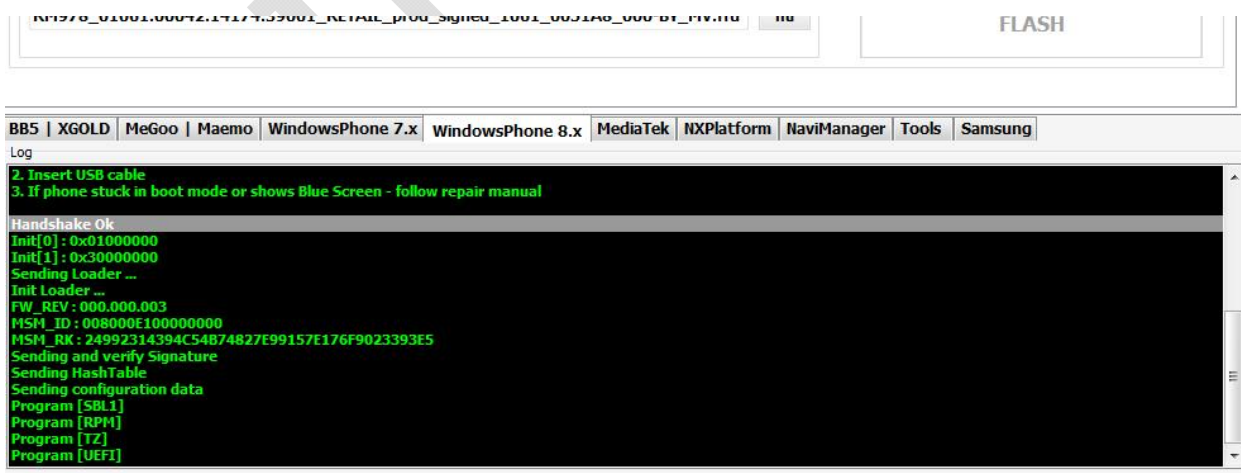
For repair need:

5. USB cable
6. Charged battery
7. Nokia X2 Emergency driver installed (can be found on support area)
8. For WinXp in most case need install driver manually

How repair:

- Run BEST, select correct RM-xxx in model selection:

- Press "Flash" button and connect Phone.

Lumia WP8 Boot Repair

- Wait until process will be finished.

- Device will boot up, when all done

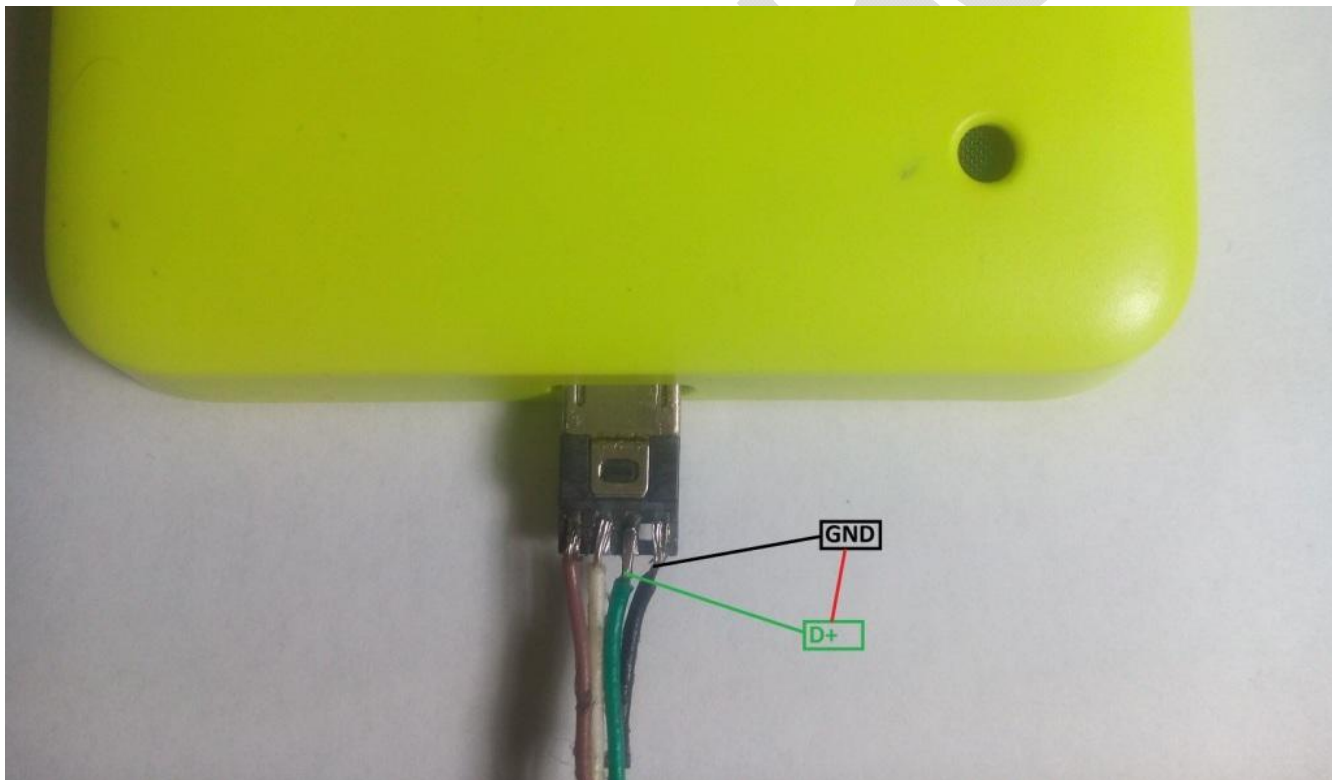If you face any problem – check cable, battery, correct model selection and then try make procedure again.

Second Case : BootLoop , no connection , BSOD: Phone not connect to PC, shows Blue Screen or just vibrate.
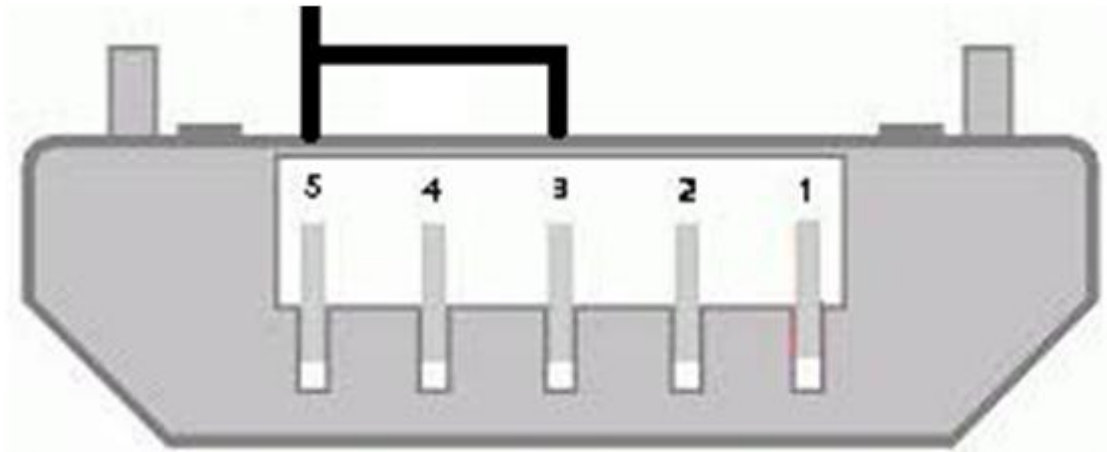
For repair need:

6. USB cable
7. Charged battery
8. Nokia X2 Emergency driver installed (can be found on support area)
9. For WinXp in most case need install driver manually
10. USB Boot Jig

USB Boot Jig:

Simple MicroUSB cable with shorted **D+** to **GND**.

Lumia WP8 Boot Repair

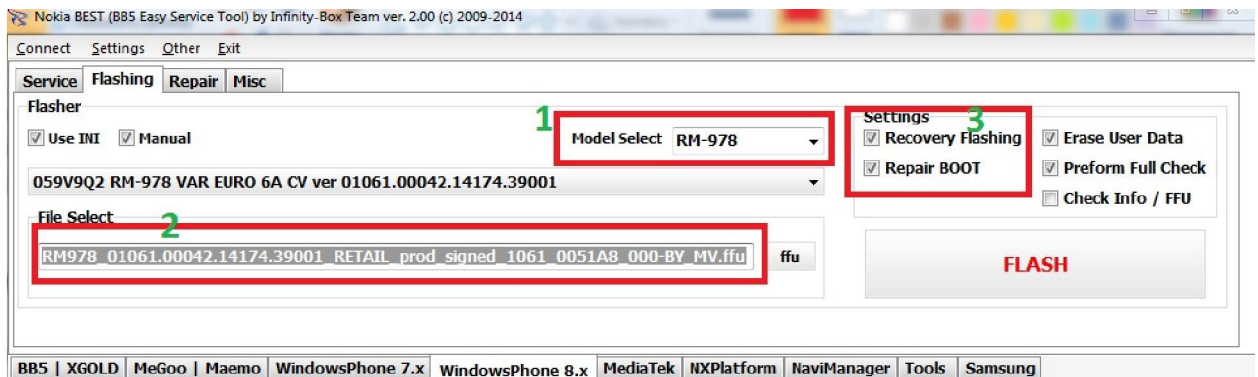USB 1.x/2.0 Micro USB Pinout

Pin	Name	Color	Description
1	VCC	Red	+5 V
2	D−	White	Data −
3	D+	Green	Data +
4	ID	none	permits distinction of Micro-A- and Micro-B-Plug Type A: connected to Ground Type B: not connected
5	GND	Black	Signal Ground

No need connect cable to PC! Just insert cable in phone , **insert battery, press PowerOn button for 5-8 seconds**. **Remove jig, connect normal USB cable**. Phone will be detected in recovery mode now.
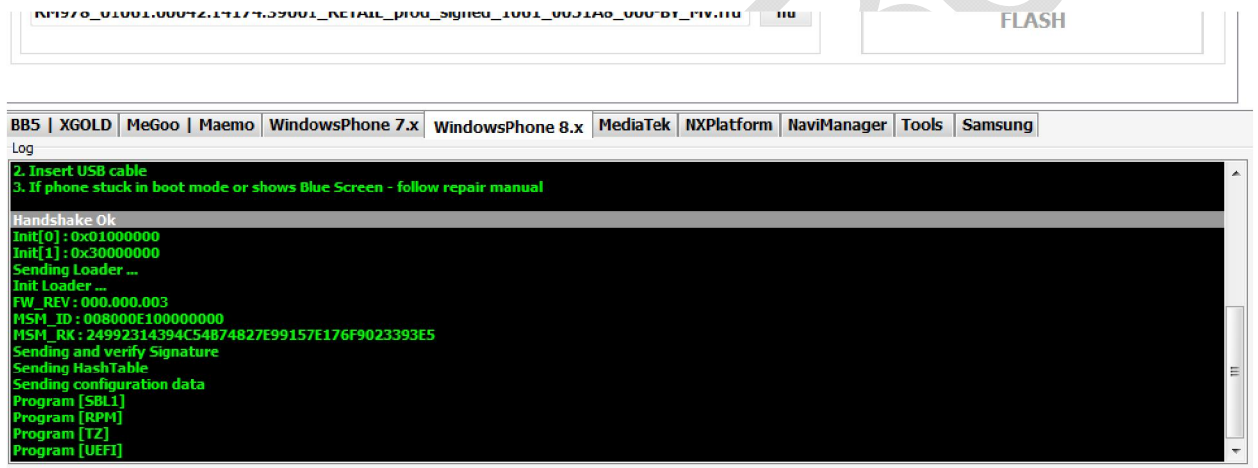
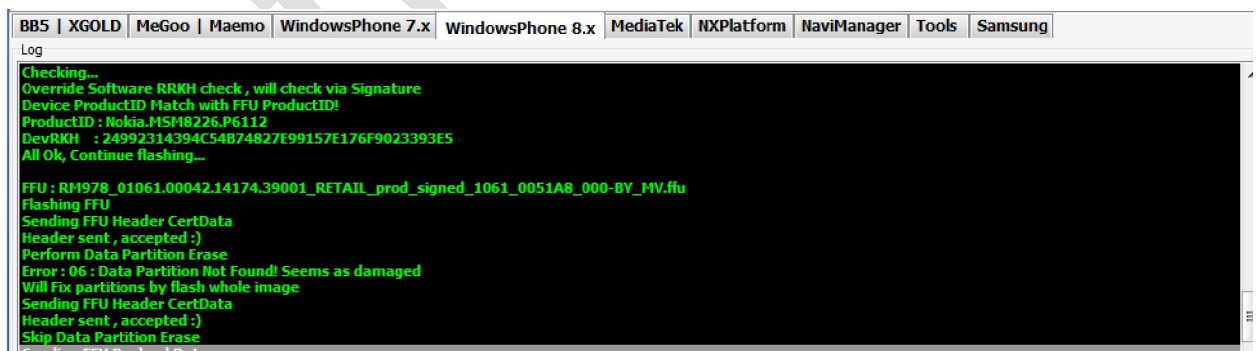Lumia WP8 Boot Repair

How repair:

- Run BEST, select correct RM-xxx in model selection:

- Press "Flash" button and connect Phone.

- Wait until process will be finished.

- Device will boot up, when all done

If you face any problem – check cable, battery, correct model selection and then try make procedure again.