

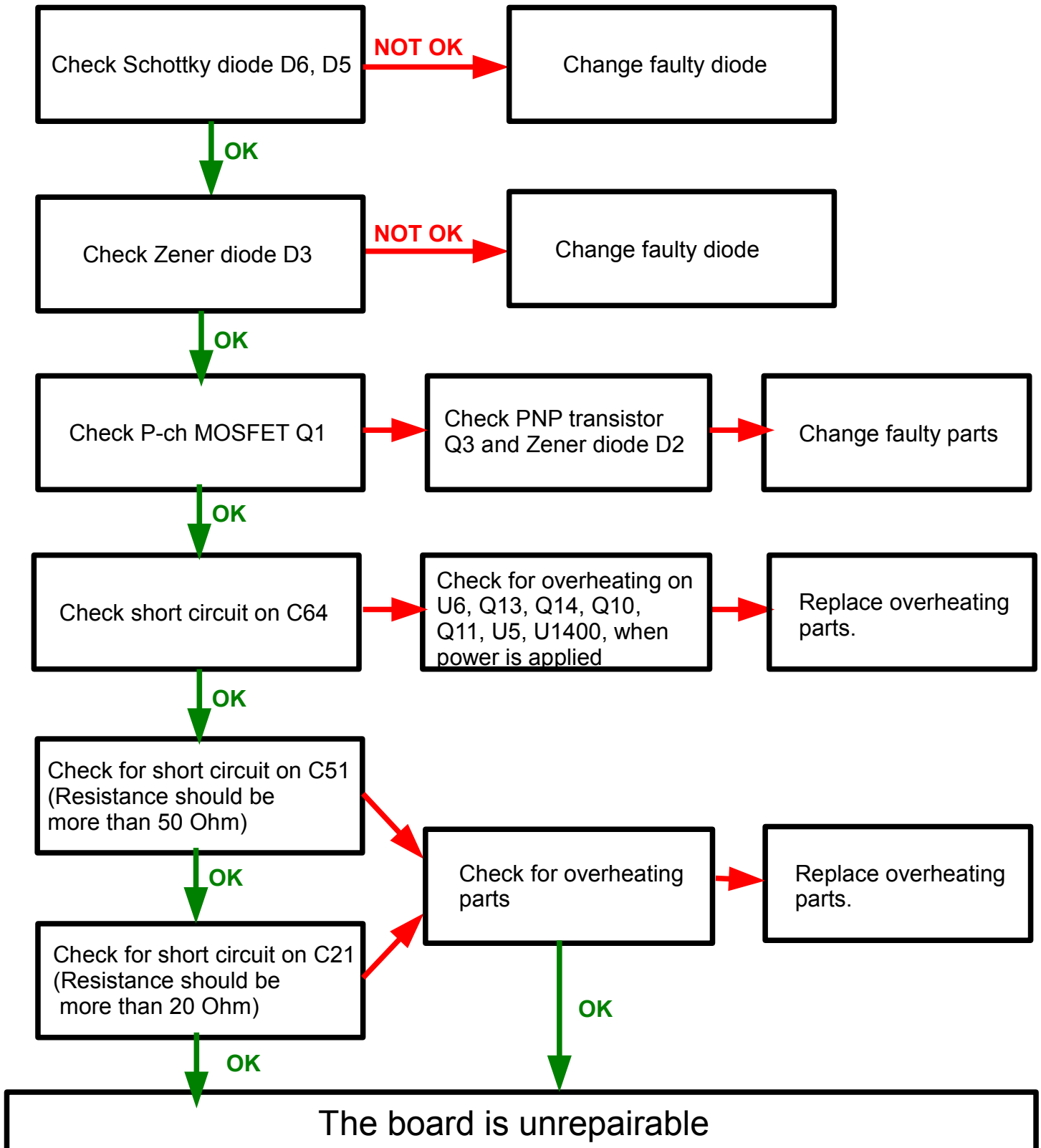
TroubleShooting for CRS125-24G-1S

These repair instructions are for NON WARRANTY repairs only!

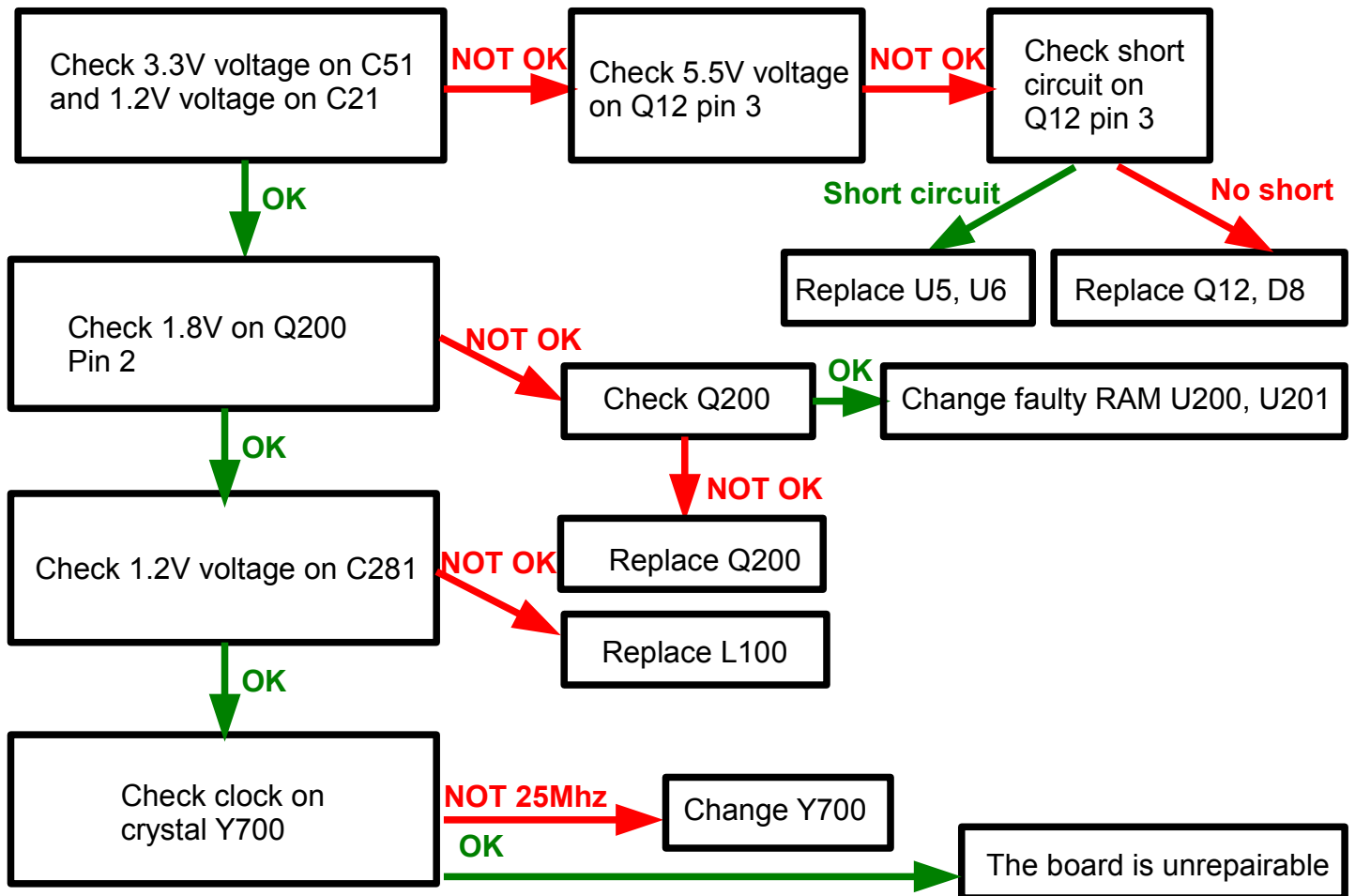
Try reinstalling routerOS and bios before this repair procedure.

Please make visual inspection for signs of corrosion or mechanical damages before starting.

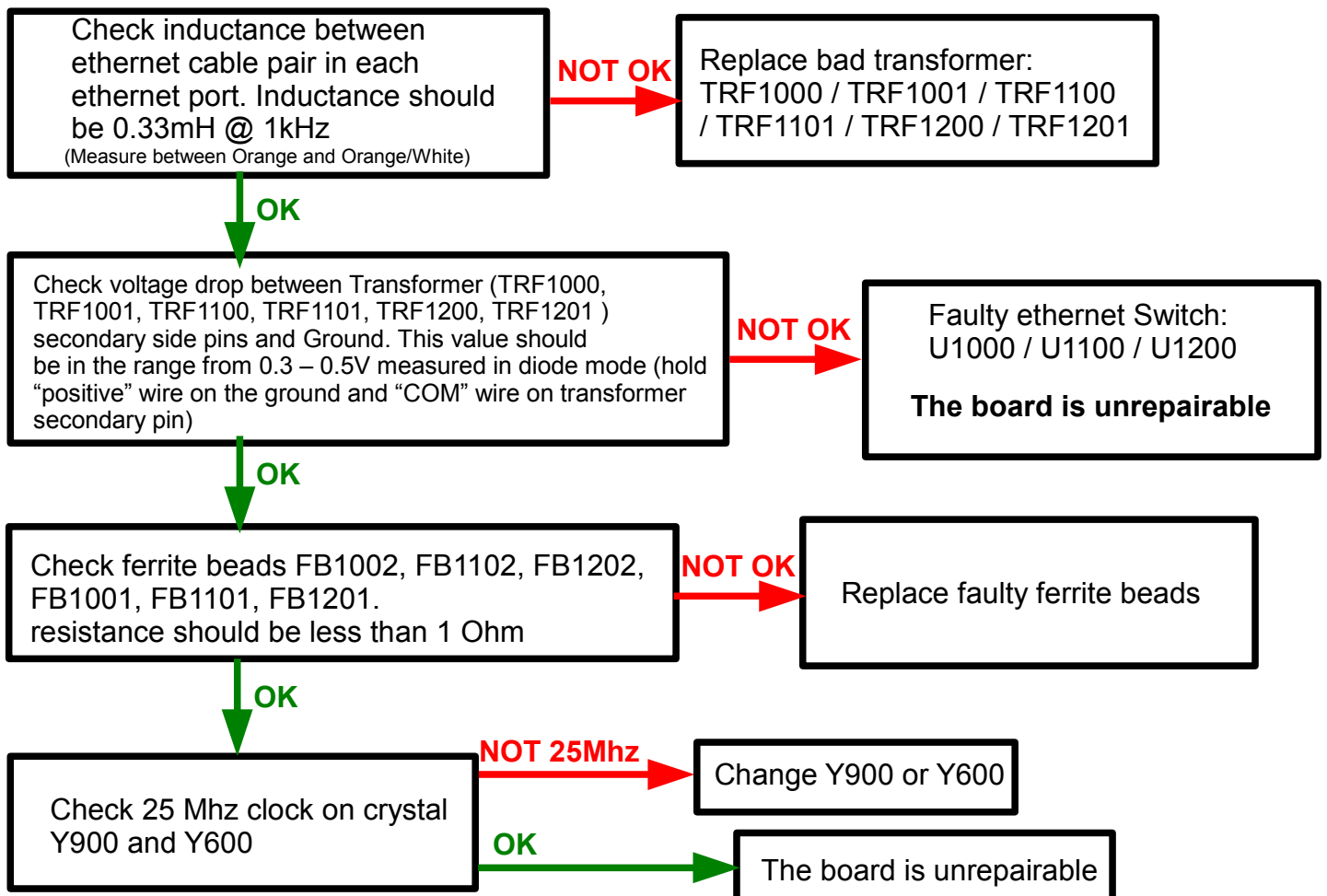
No voltage on C64, blue LED isn't lit



Input voltage on C64 appears, but board doesn't boot.



One or more ethernet port does not work



Reference number	Part Number	Manufacturer	Description
D6, D5	SR36-GP	SINYOTK CO., LTD.	3A 60V Schottky DO-214AA
D3	BZX84-B30	NXP Semiconductors	Diode Zener 30V 2% SOT23
Q1	AO4421	Alpha & Omega	P-Ch MOSFET -60V 30mOhm SO-8
Q3	BC856B	NXP Semiconductors	Transistor PNP, SOT23
D2	BZX84C	Won-Top Electronics Co., Ltd.	Diode Zener BZX84C 10V 5% SOT23
U6, U5	RT8209BGQW	Richtek Technology Corporation	Synchronous Buck Controller
Q13, Q14, Q10, Q11,	AP9467AGM	Advanced Power Electronics Corp.	N-CH MOSFET 40V 11A 11.5mOhm
U1400	LSP5526-S8A	Lite-On Semiconductor corporation	DC-DC Step-down converter
Q12	BCX5616TA	Diodes Zetex Limited	NPN transistor 80V 1A SOT89
D8	BZX84-C6V2	NXP Semiconductors	Diode Zener 6.2V 5% SOT23
Q200	KTA1663-Y-RTF/H	KEC Corporation, LTD	Transistor PNP -30V 1,5A SOT89
U200, U201	NT5TU32M16 DG-AC	NANYA TECHNOLOGY CORPORATION	DDR2 SDRAM 512Mbit DDR2-800 34Mx16bit BGA-84
L100	BCRH2D18B/HP-2R2N-NL	Bao Cheng Electronics Co., Ltd.	Inductor 2.2uF 1.48A 3.2x3.2x2
Y700, Y900	FL2500121	PSE Technology Corporation	Crystal 25MHz 20ppm 10pF 3.2x2.5
TRF1000, TRF1001, TRF1100, TRF1101, TRF1200, TRF1201	NS778801	Feei Cherng Enterprise Co., LTD.	10/100/1000 Quad port Ethernet transformer
FB1002, FB1102, FB1202, FB1001, FB1101, FB1201.	CB03YTYH12 1	Viking Tech Corporation	Ferrite Bead 120 Ohm 2.5A 0603
Y600	FY2500070	PSE Technology Corporation	Crystal 25MHz 20ppm 15pF 5x3.2

When you order components for repairing boards from our sales, please, write components reference number not a part number

