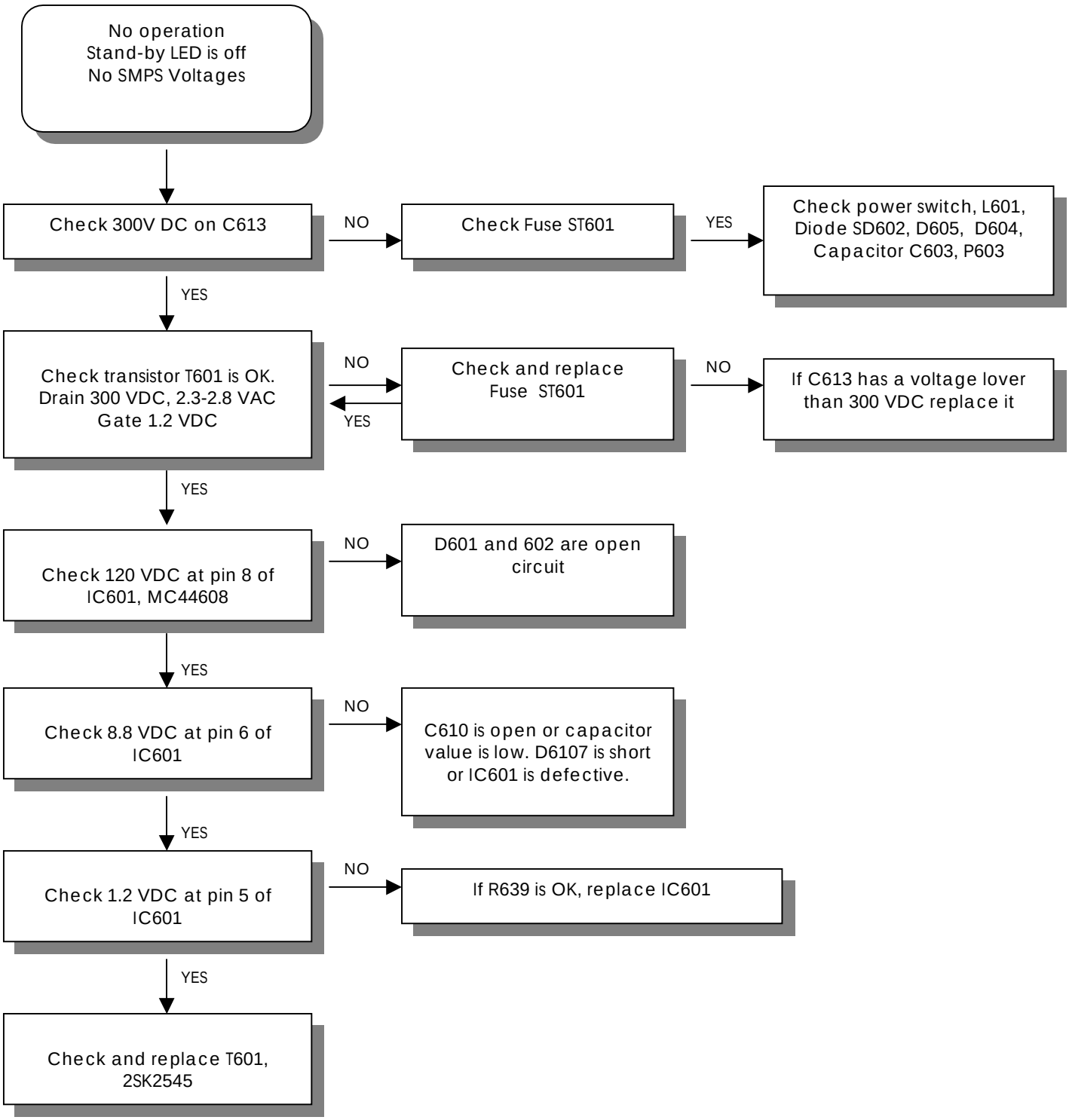
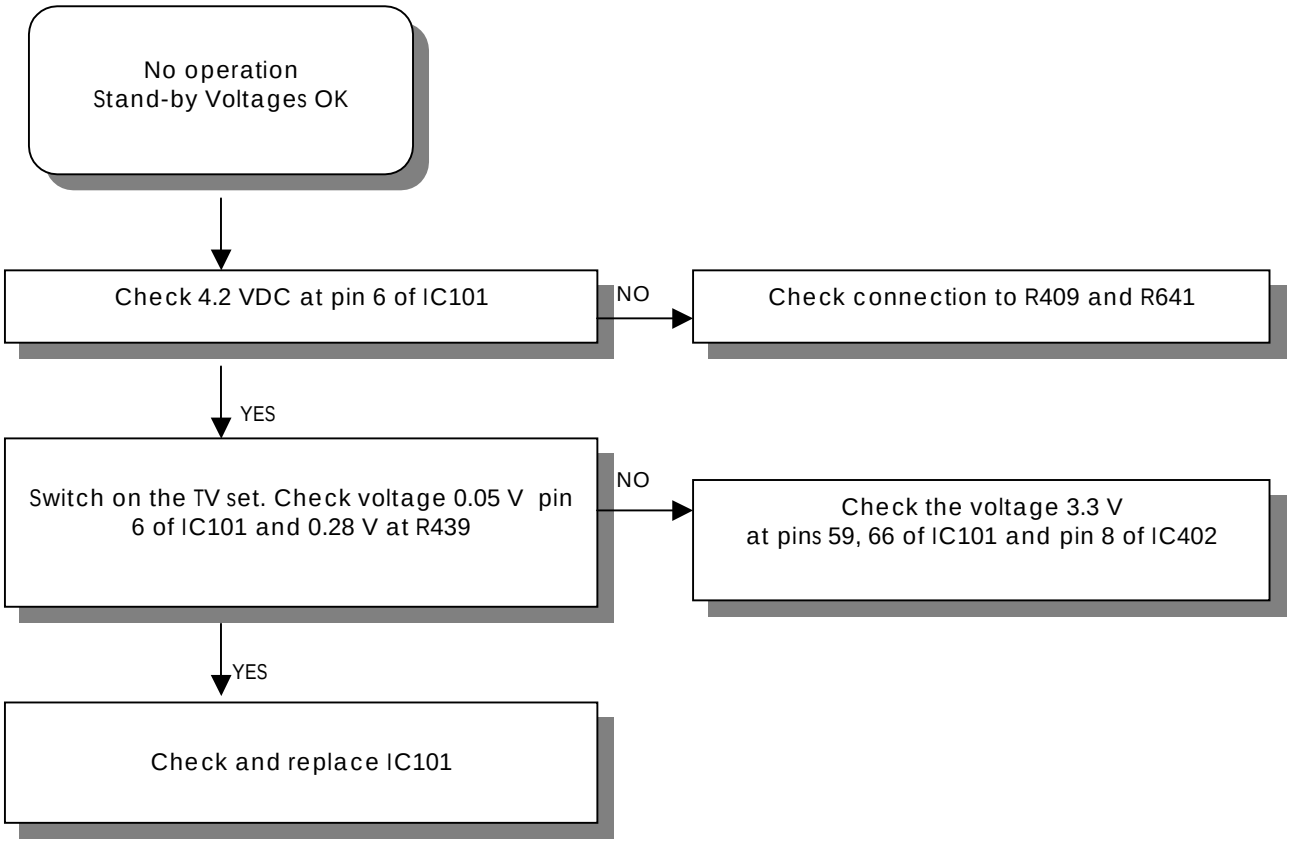
POWER SUPPLY DEFECTS (I)

Note:

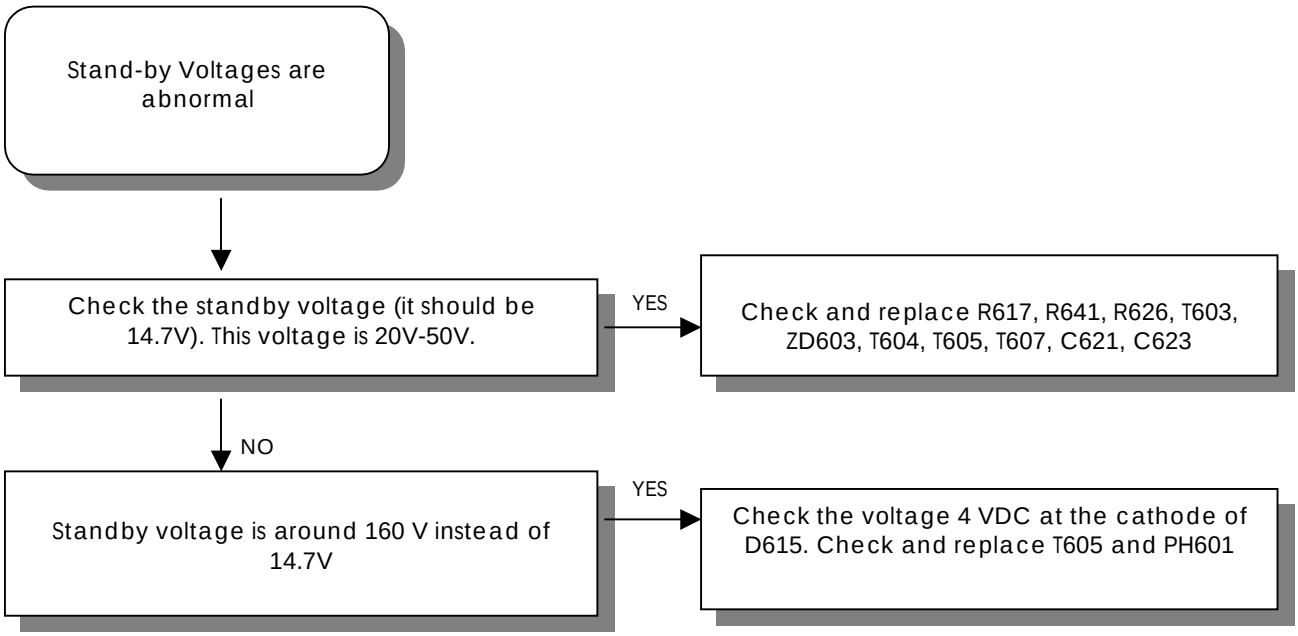
1. All values in the diagrams are for 230 VAC mains supply.
2. Before replacing T601, check following components: R640, R604, R605, R609, C615.
3. Burst type standby mode was designed (Fixed frequency is 21.5 kHz for standby and 38.8 kHz for normal operation) . In standby the output voltages drop to about 1/10 of the normal operation values (except +12V which stays same), i.e. from +145V to 14.7V, from 15V to 1.1V, from 28V to 2.5V. In standby, Standby signal from IC101 is high. Then, T605 conducts, T604 blocks and thristor TH601 conducts. Therefore, +145 line which is now14.7V is connected to 12V. The regulation is done by ZD603 in standby and by ZD602 (TL431) in normal mode.



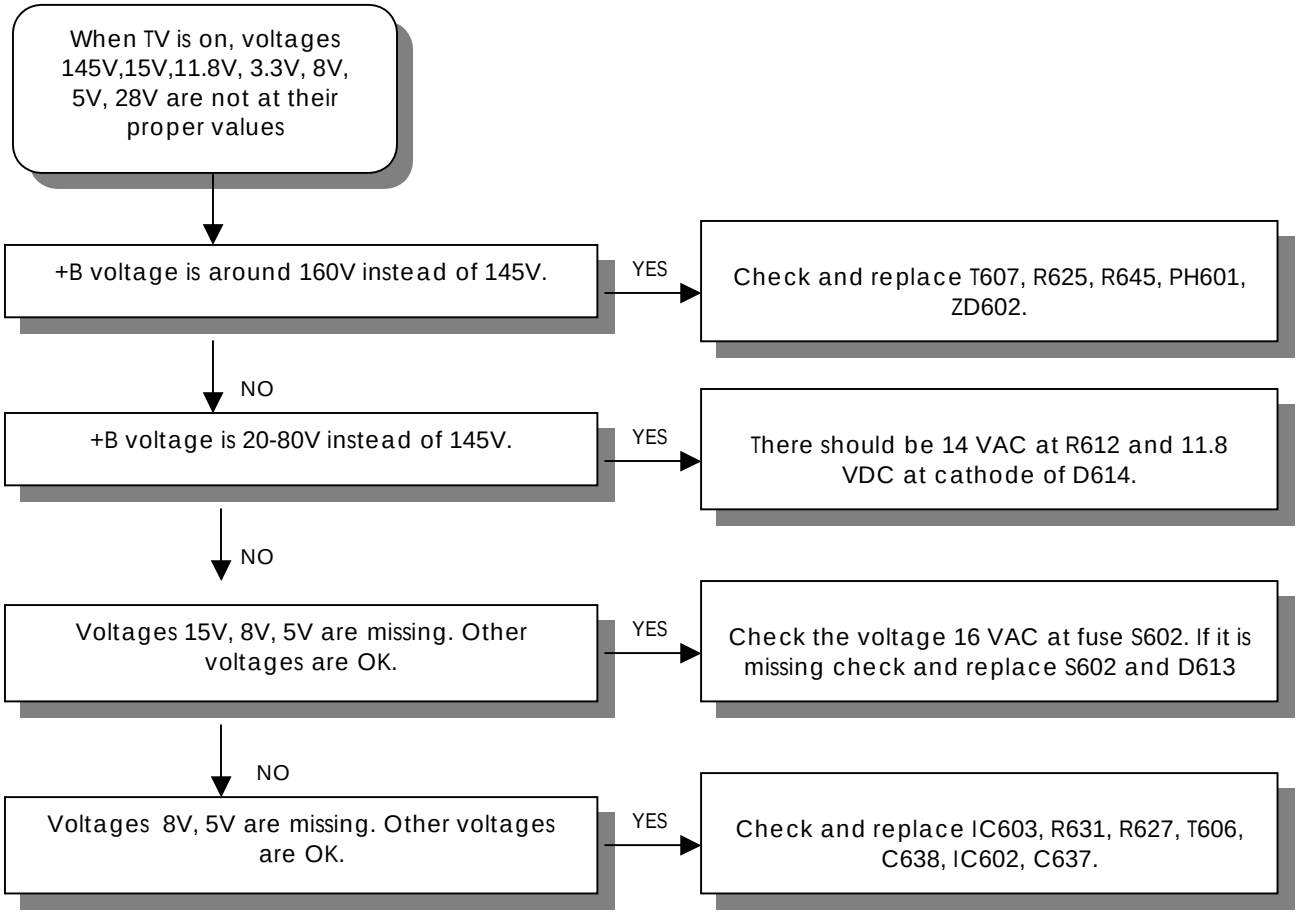
POWER SUPPLY DEFECTS (II)



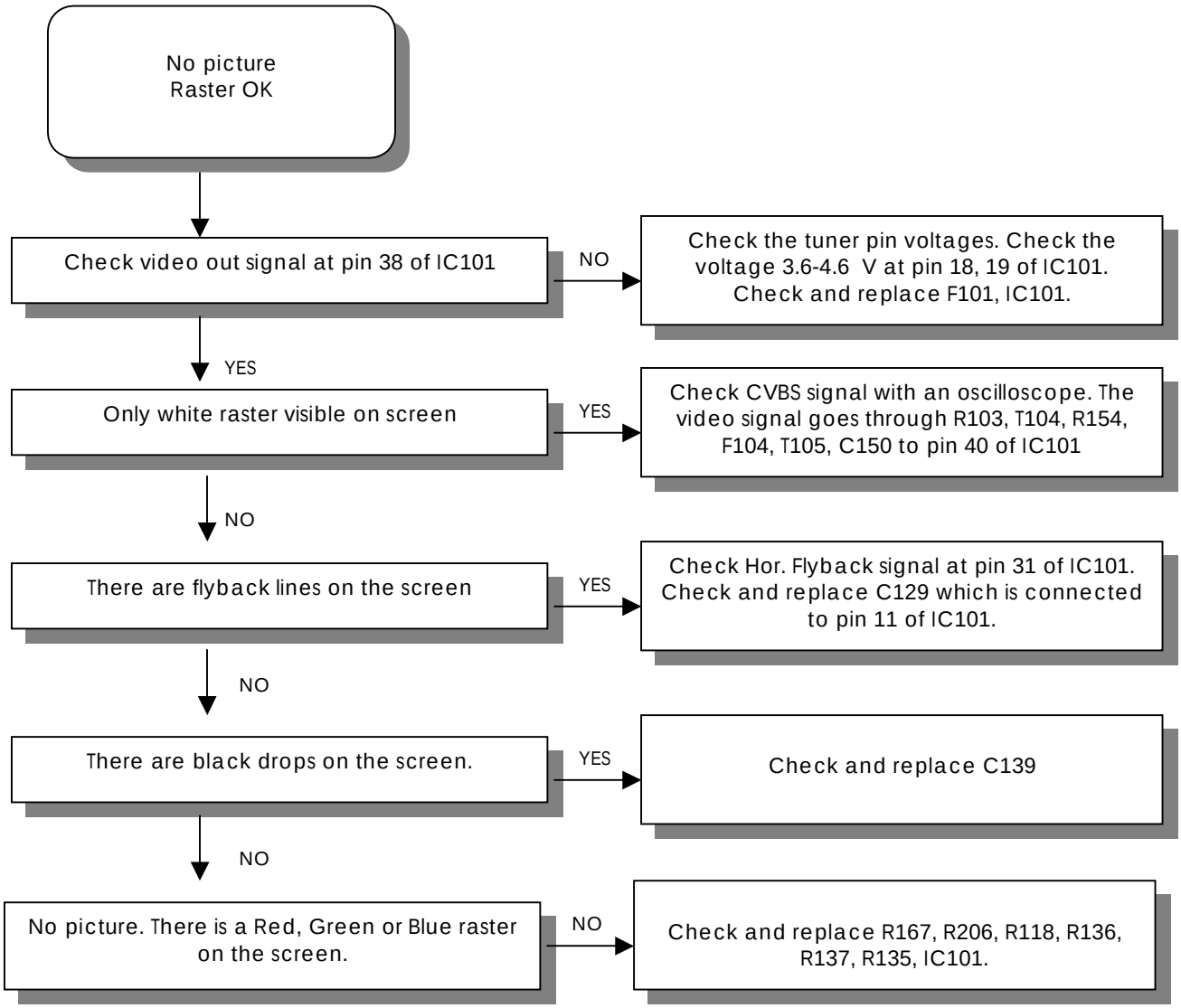
POWER SUPPLY DEFECTS (III)



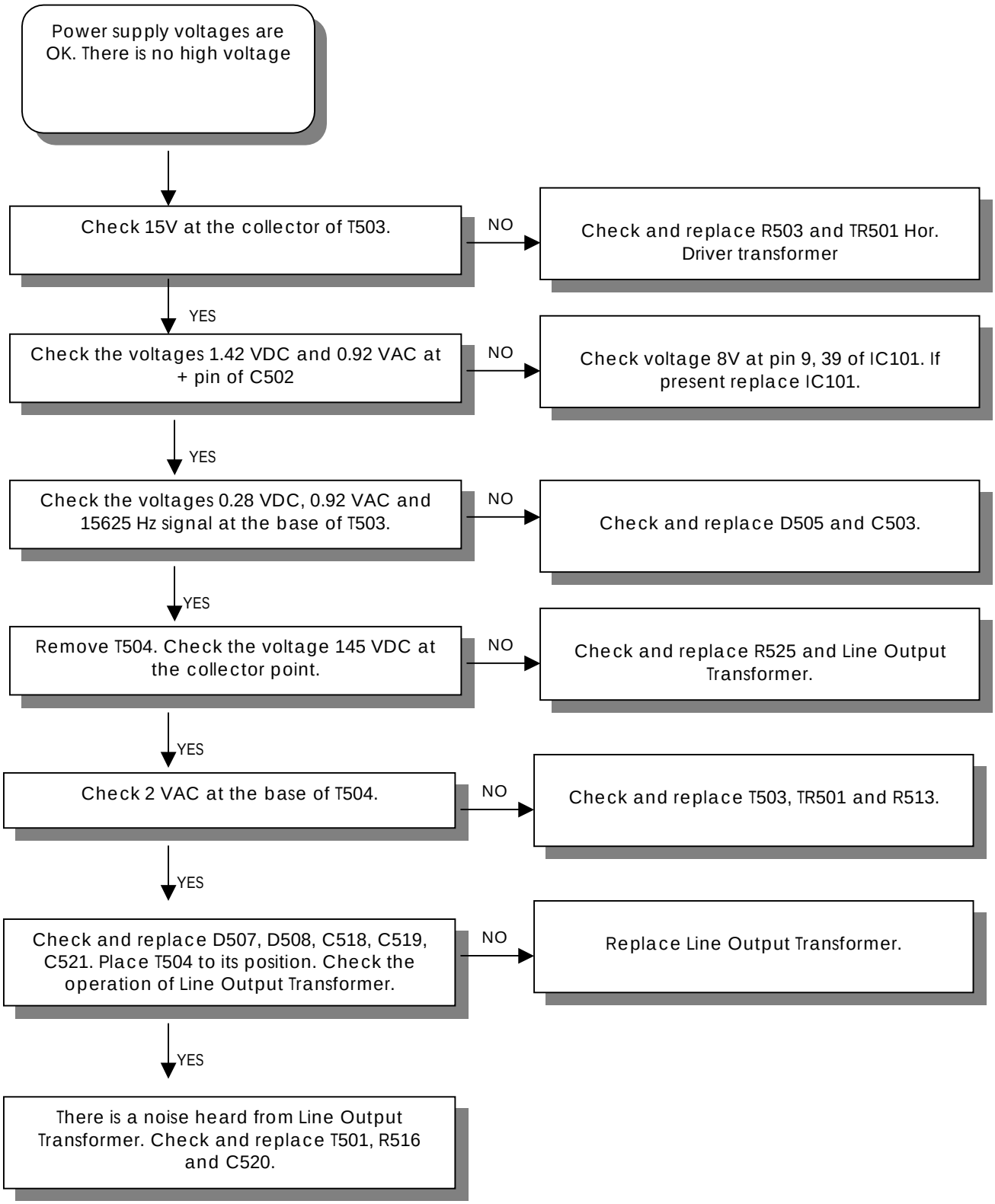
POWER SUPPLY DEFECTS (IV)



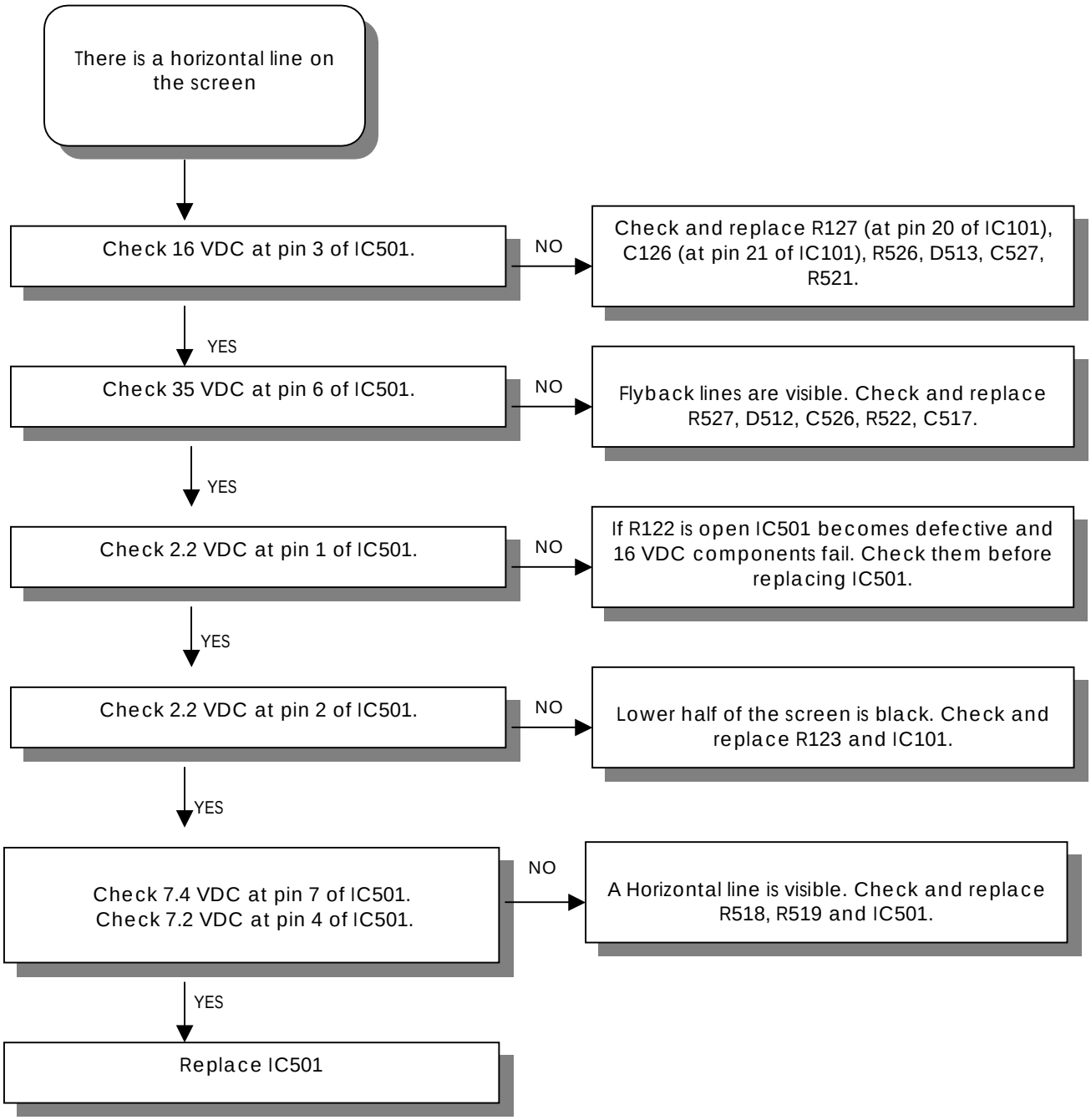
PICTURE AND COLOUR DEFECTS



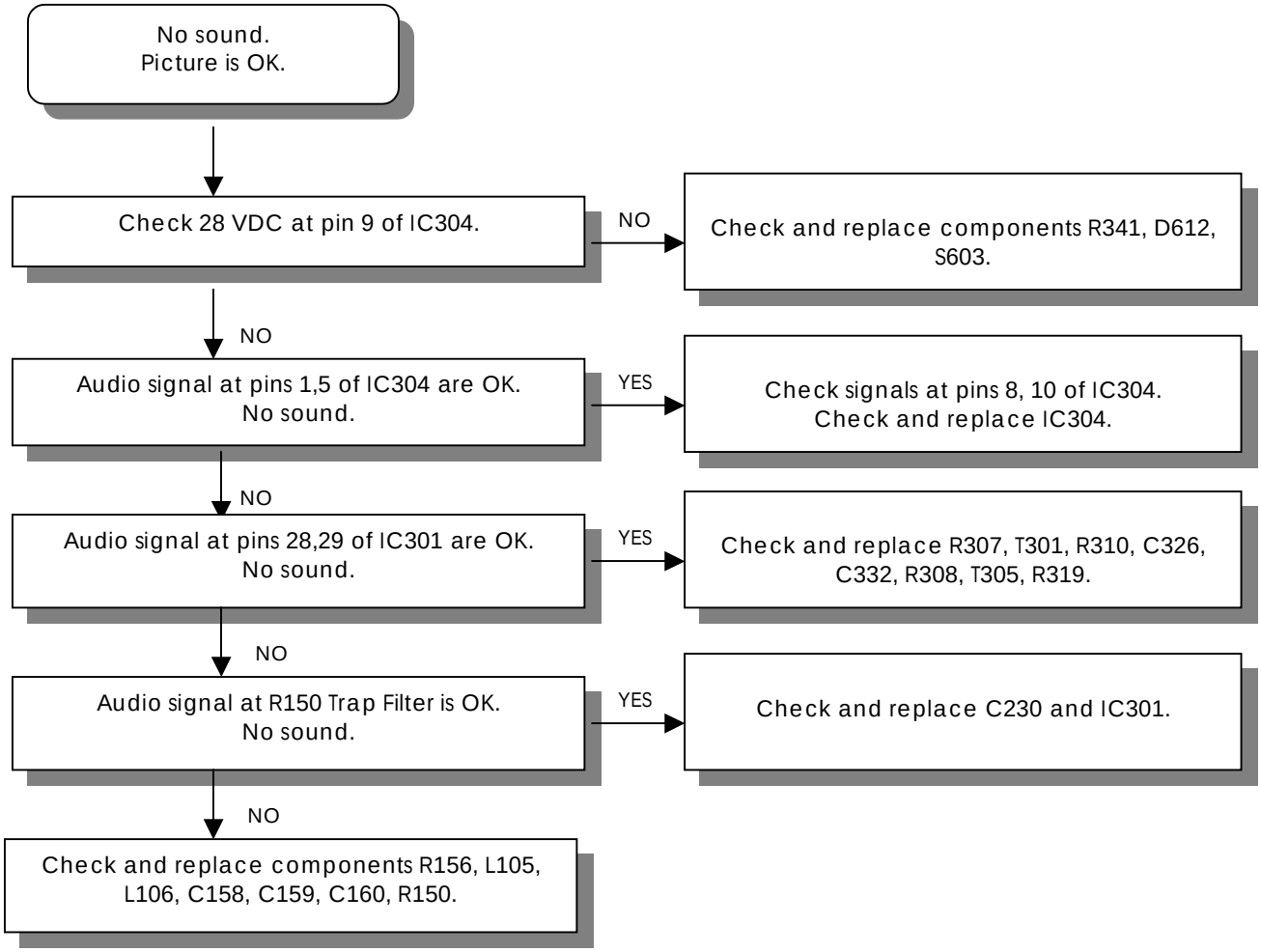
HORIZONTAL DEFLECTION CIRCUIT DEFECTS



VERTİCAL DEFLECTION CIRCUIT DEFECTS



AUDIO DEFECTS (I)



AUDIO DEFECTS (II)