

JVC Power Supply trouble shooting procedure

This procedure is based on **GF Chassis**. Minor differences could be seen in other chassis

Important Service manual information

Due to component tolerance production changes were made during manufacturing. Every effort is made to inform those changes in the service manual. During troubleshooting,

Always refer to the service manual

Listed below are explanations of some of the abbreviations used in JVC service manual

1. (*): Refer to the NOTE
2. (BW): Bus wire is used instead of that particular component
3. (OPT): The specific component is optional and is not used in this model
4. (Y): Chassis configuration bus wire
5. Shaded: Safety related components. Do not substitute these components

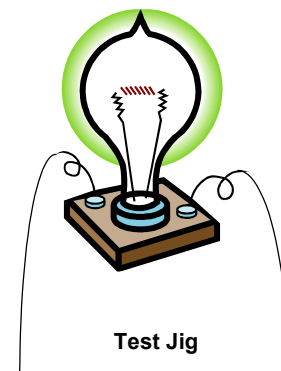
Chassis Preparation

1. Remove the main PWB along with the Operation PWB from the television
2. Do not apply AC power to the PWB
3. Using a suitable resistor, **discharge the electrolytic caps**, C910 and C538
4. Visually inspect the PWB and replace if there are any burnt components
5. Connect a **jumper wire between D922 Cathode and IC901 pin 4**
6. Connect another **jumper wire between the chassis' cold ground (ex: E1) and hot ground (ex: IC901 heat sink)**
7. In order to disconnect 130V supply from the flyback transformer, **remove L921**.

Test Jig Preparation

Connect two long jumper wires from a 120V lamp assembly as shown in figure

Use a 40W lamp.



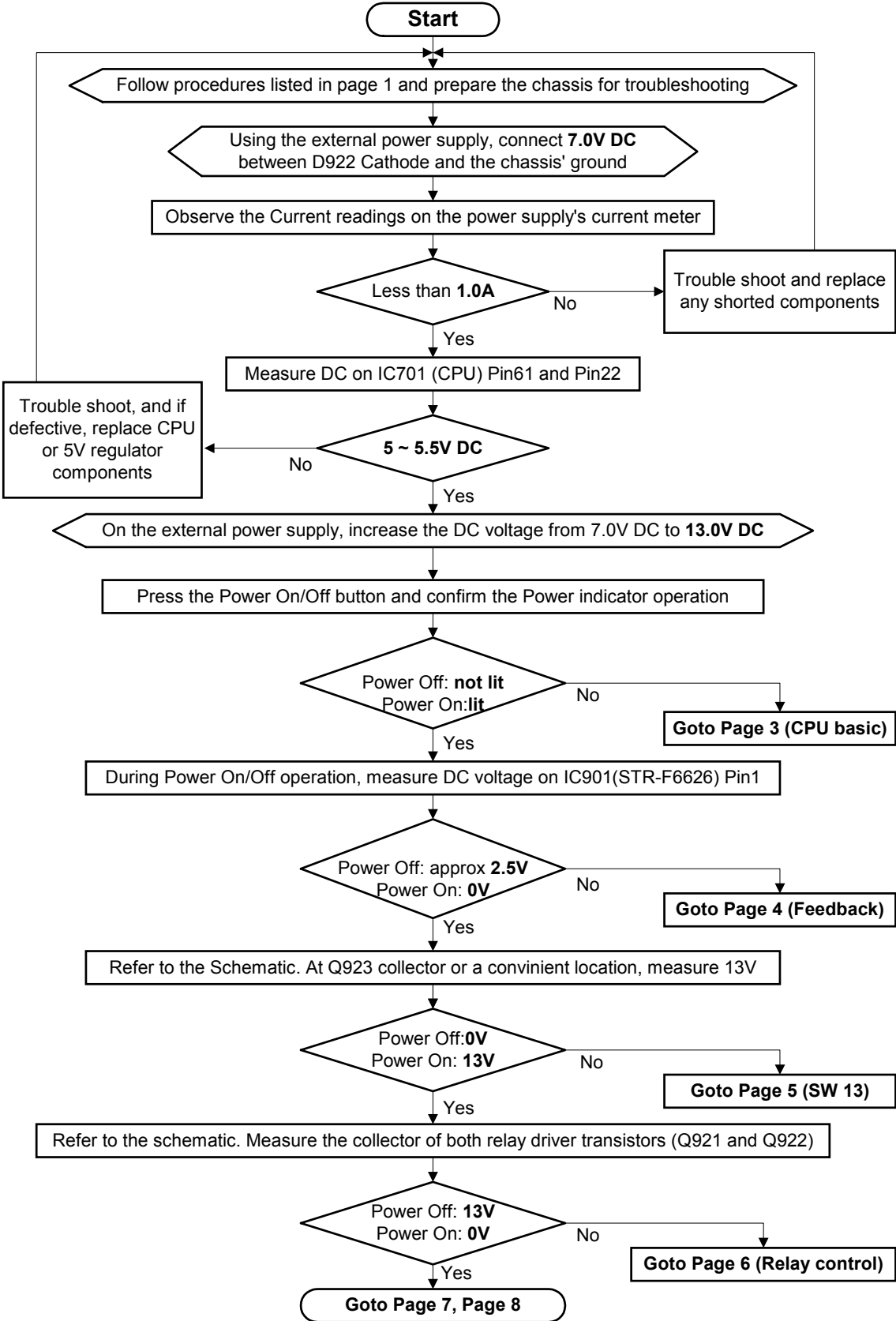
Test Instruments

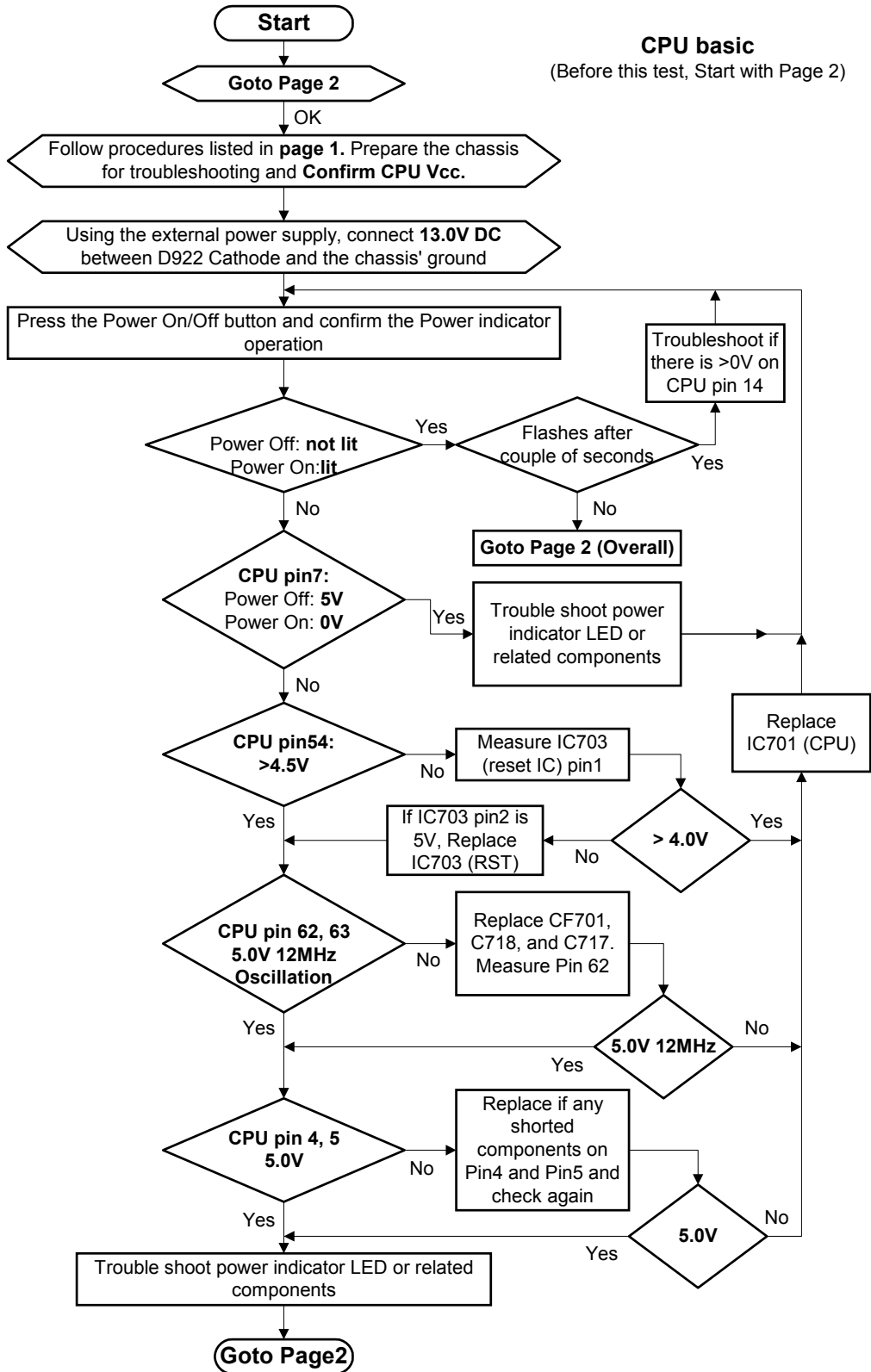
1. Variable DC Power Supply (0~30V; 3A)
2. Digital Multimeter
3. Alligator clips
4. Test jig as shown in picture

Caution

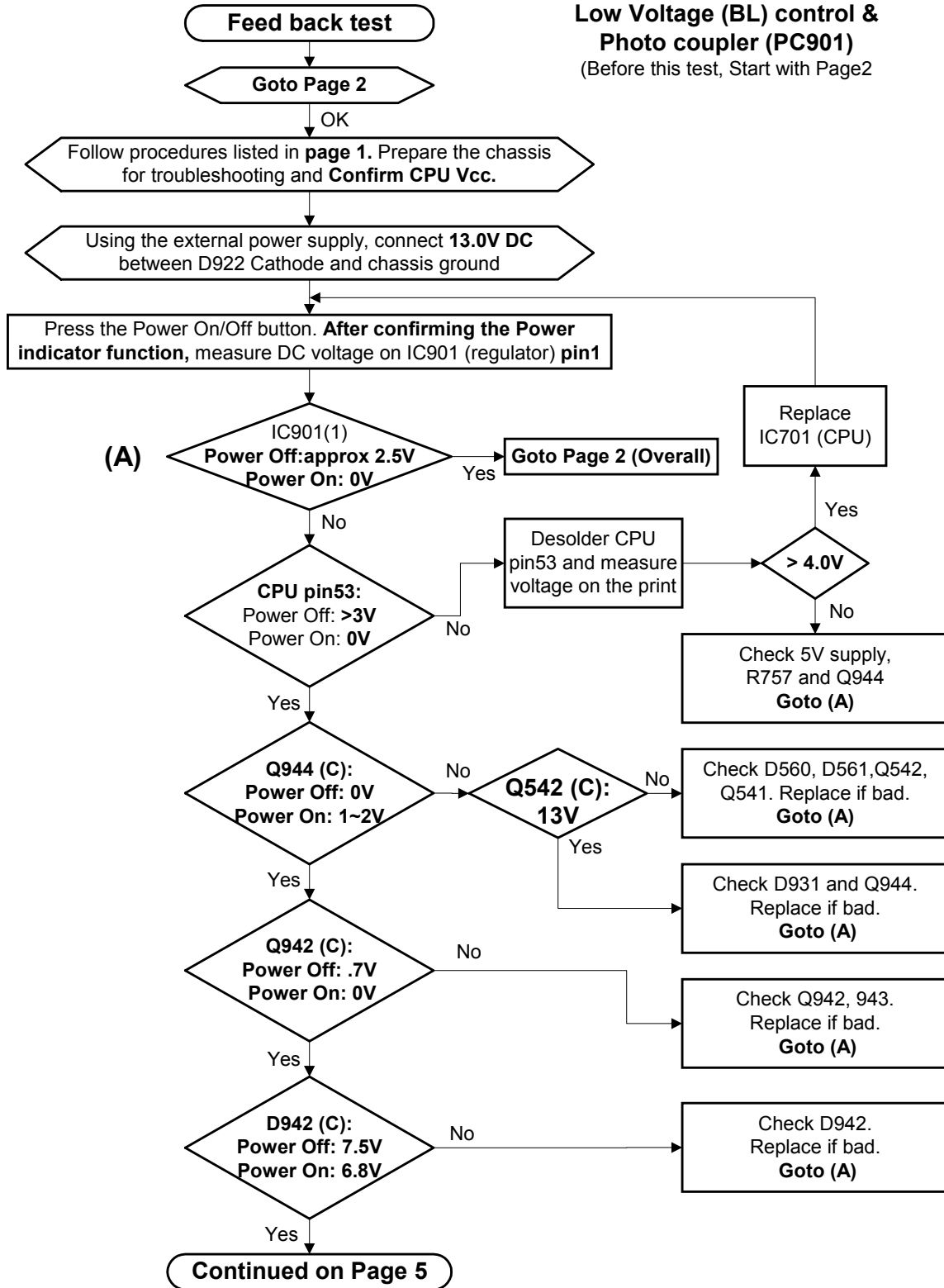
Before replacing any components, turn off or disconnect all power supplies and **discharge any charged caps**

Overall

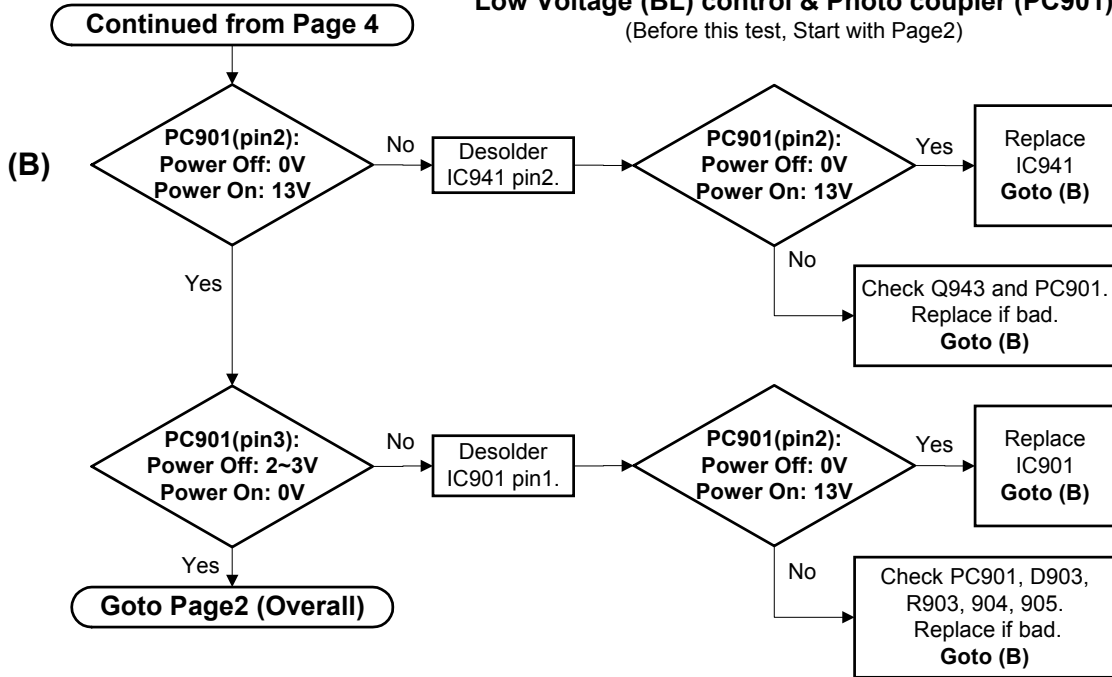




Low Voltage (BL) control & Photo coupler (PC901)
 (Before this test, Start with Page2)

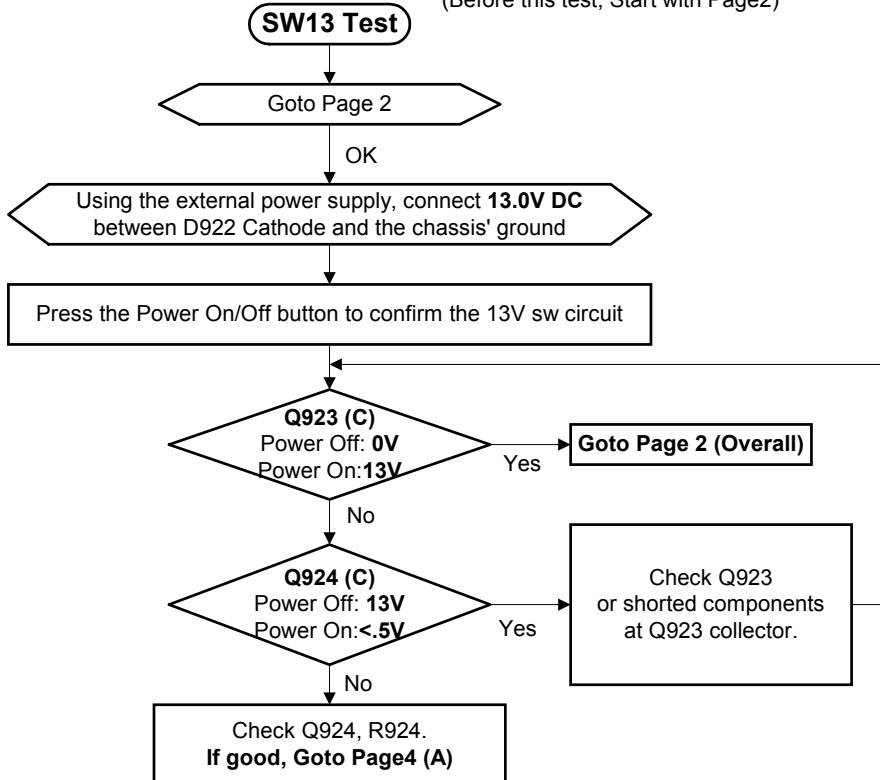


Low Voltage (BL) control & Photo coupler (PC901)
 (Before this test, Start with Page2)



SW13V check

(Before this test, Start with Page2)



Relay Control Test

Relay Control Test
(Before this test, Start with Page2)

