

SANYO

SANYO Australia Pty Ltd

CONSUMER ELECTRONICS DIVISION

TECHNICAL BULLETIN No. 53 DATE: 12/02/03

SUBJECT: PLC-SW20A & XW20A BLUE SCREEN

Fault: After stand by PC and Composite Video signals are not detected and blue screen is displayed.

Cause: C201 56uF 35V capacitor dries out on power supply board. Mainly if the unit is ceiling mounted and ambient temperature is high.

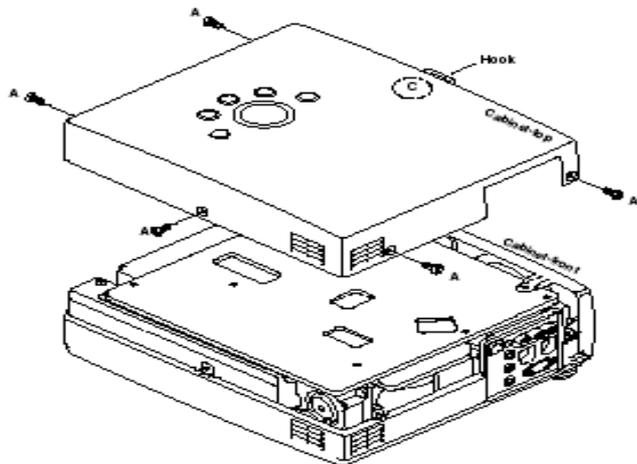
Remedy: Please check **C201**, if it is **not** a **330uF 25V** replace it. Make sure that the polarity of the capacitor is according to the PCB's marking. (negative pin close to the edge of the PCB) Some capacitors were inserted with the wrong polarity!

Sets manufactured after December 2002 have the new capacitor.

Method:

1. CABINET - TOP REMOVAL

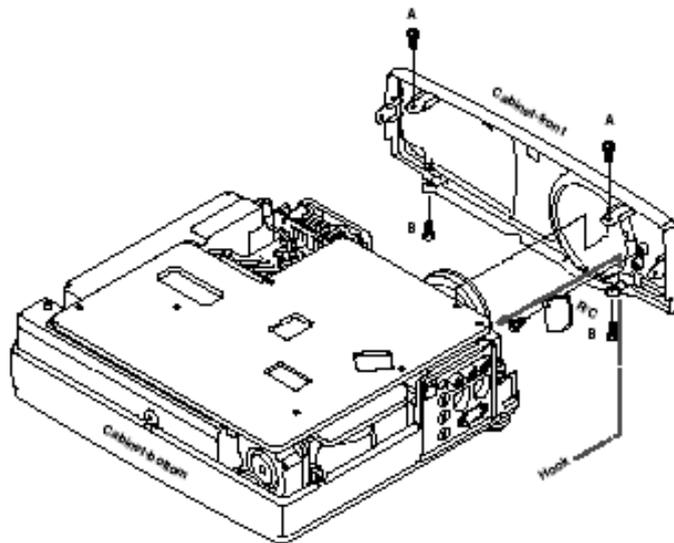
1. Remove five screws-A.
2. Hold the rear of the Cabinet-front at both ends, and slightly pull it upward.
3. Release the hook, by pressing down portion "C" lightly with a finger.
4. Hold the rear of the Cabinet-front at both ends and pull it up and remove it upwards.



Note: Be careful not to damage the Hook. The Cabinet-top is being fixed to Cabinet-front by the hook only.

2. CABINET-FRONT REMOVAL

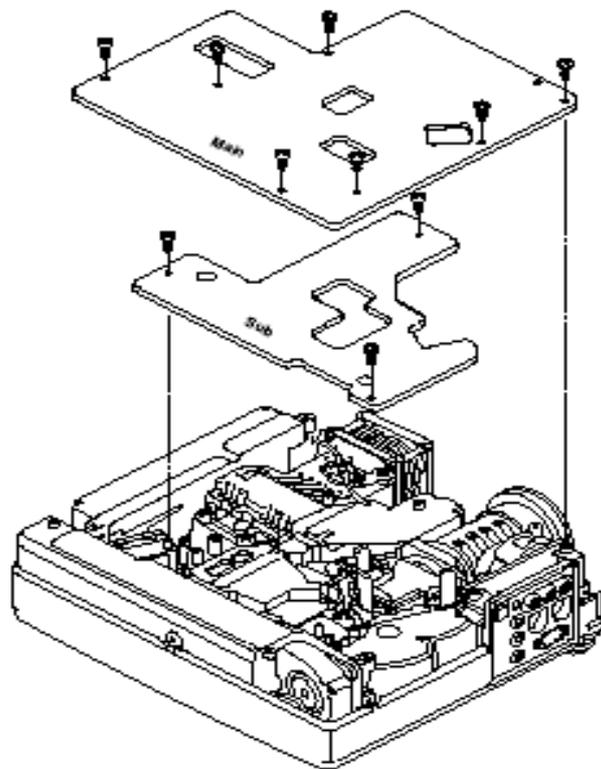
1. Remove four screws A and B.
2. Turn the focus-ring of the Projection lens fully clockwise.
3. Set zoom-lever of the Projection lens under the lens.
4. Slightly pull the upper part of Cabinet-front forward with both hands.
(Hook is released and cabinet front is removed.)
5. Remove the screw holding the R/C unit and remove it.



Note: There is a hook under the projection lens. Screws "A" and screws "B" are different! Do not mix them up!

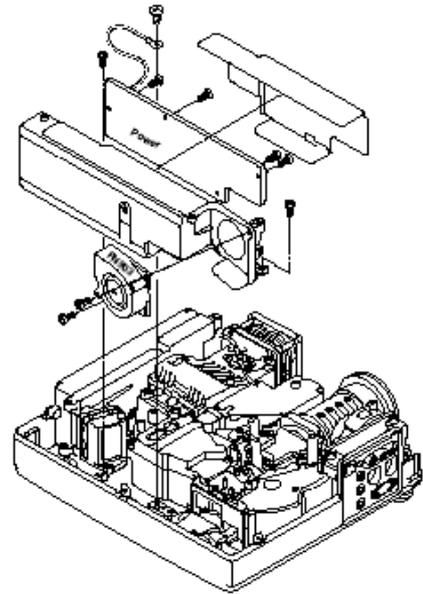
3. MAIN AND SUB ASSEMBLY REMOVAL

1. Remove seven screws and remove the Main Assembly.
 2. Remove three Screws and remove the Sub Assembly.
- See figure on right.



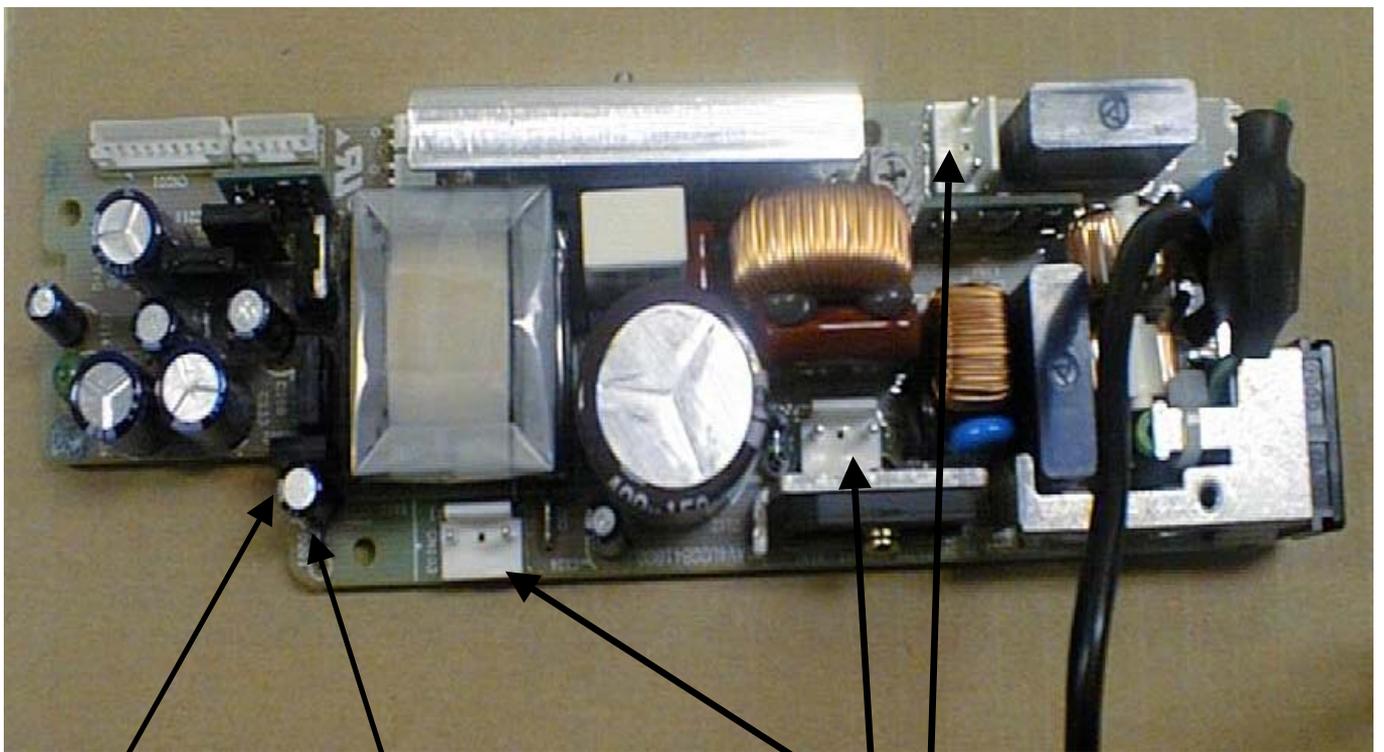
4. POWER SUPPLY ASSEMBLY REMOVAL

1. Remove seven screws and remove the Power Supply Assembly
See figure on the right.



5. LOCATION OF FAULTY CAPACITOR

1. After removing the plastic housing from the Power Supply PCB you can locate and replace C201 capacitor.
Refer to the picture below.



Negative

C201 CAPACITOR

NOTE: Mark these plugs before removing them!
They look the same and if cross-connected major damage will occur!