

# **SANYO**

SANYO Australia Pty Ltd

*CONSUMER ELECTRONICS DIVISION*

**TECHNICAL BULLETIN No. 76      DATE: 14/08/06**

***SUBJECT: CP29FS2 NO POWER FACTORY MODIFICATION***

**Fault:**

No power.

**Cause:**

Occasionally the CRT may arcs during power switching, making IC701 short circuit, which in turn may damages Q401.

**Remedy:**

Carry out the following factory modifications.

**Effected Units:**

Units with SERVICE REFERENCE CP-29FS2-00 need to be modified.

Units with SERVICE REFERENCE CP-29FS2-01 and later are already modified.

## Improvement Part List

### 1. Main Unit

No	Improvement	Location	Part No	Description	Remarks
1	Change	C441	CM2G154JACAQN	Cap 0.15 uF, 400V	See Picture 3, 4
2	Change	R409	RGF1002JTCANL	Resistor, 10 K 1/10 W	See Picture 1

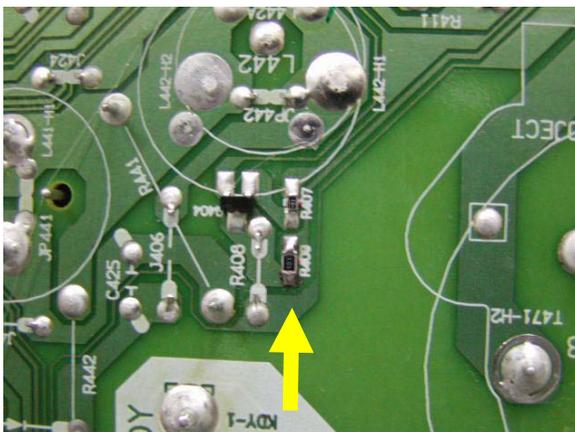
**Note:** 1. If capacitor **CM2G154JACAQN** not available, we can take out C441 (CM2G154JAXAQN) and add capacitor CM2E304JAPAON at location R443 & R444. Please kindly find picture 3 & 4 for detail.

### 2. CRT Unit

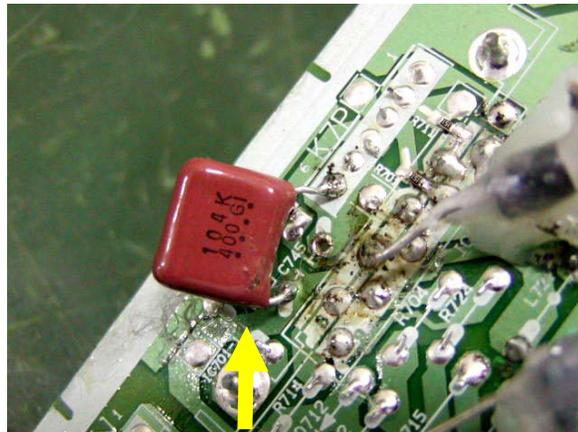
No	Improvement	Location	Part No	Description	Remarks
1	Add	D710TM	DZ1Z75-----B	Diode	} See Picture 6
2	Add	D711TM	DZ1Z150-----B	Diode	
3	Add	D703TM	DDERB44-04—B	Diode	
4	Add	D713TM	DDERB44-04—B	Diode	
5	Add	D723TM	DDERB44-04—B	Diode	
6	Add	D731TM	DDERB44-04—B	Diode	See Picture 5
7	Add	L722TM	1AV4L2B9220KB	Inductor 22 uH	} See Picture 6
8	Add	C746TM	CK2H681KAABNC	Cap 680 pF, 500V	
9	Add	C747TM	CK2H681KAABNC	Cap 680 pF, 500V	
10	Add	JW701TM	8MKK004AA	Jumper	} See Picture 5
11	Change	R705	RS11001JGCANN	Resistor 1 K, 1 W	
12	Change	R715	RS11001JGCANN	Resistor 1 K, 1 W	
13	Change	R725	RS11001JGCANN	Resistor 1 K, 1 W	} See Picture 2
14	Add	C745	CK2H681KAABNC	Cap 680 pF, 500V	
15	Change	L721	RFXAAB47R0JPB	Res Fuse 47 ohm ¼ W	
16	Cut Pattern PCB			Near L722TM and near resistor fuse	See Picture 6
17	Cut ground CRT			From CRT GND (longer one)	See Picture 7
18	Add wire GND	K7V to TP-M		From PCB CRT unit to Main unit (TP-M)	See Picture 6 & 7

**Note:** 1. After cut Ground Connector from CRT GND to main PCB (TP-M), the wire can use for wire GND from PCB CRT Assy (K7V) to main unit (TP-M). See Picture 7

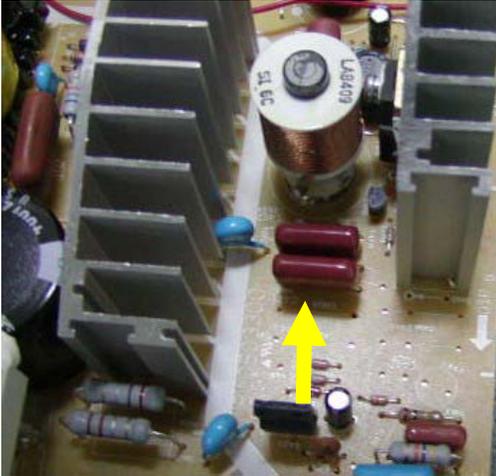
Picture 1. Change R409 from 47 k Ohm to 10 k Ohm



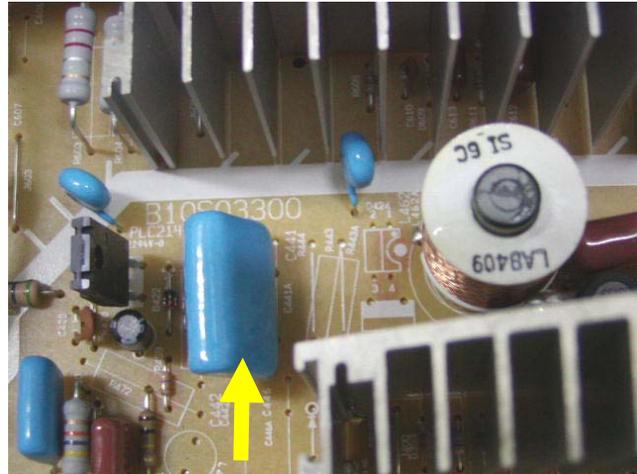
Picture 2. Add C745 0.1 uF /250 V



Picture 3. Delete C441 CM2G154JAXAQN, add  
CM2E304JAPAON at location R443 & R444



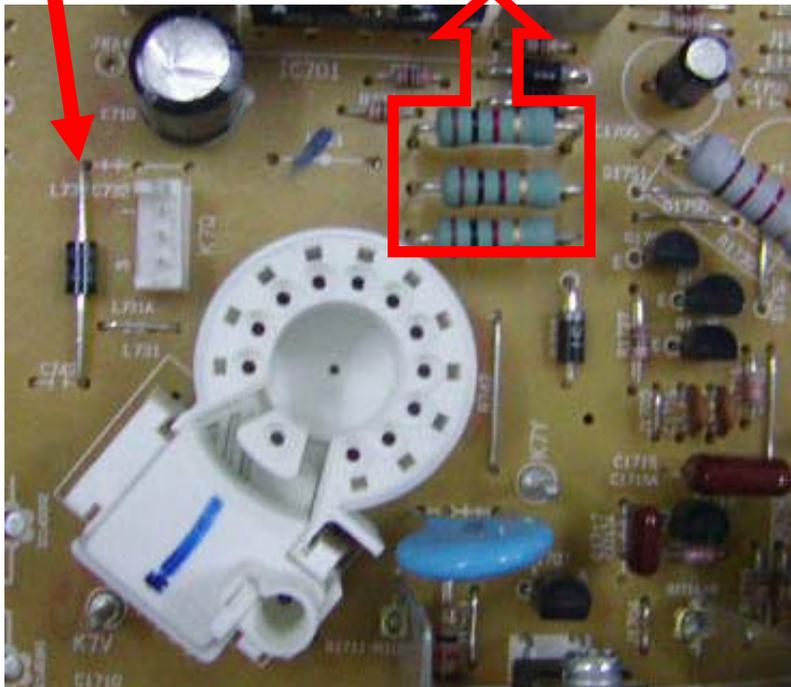
Picture 4. Change C441 CM2G154JAXAQN  
to CM2G154JACAQN



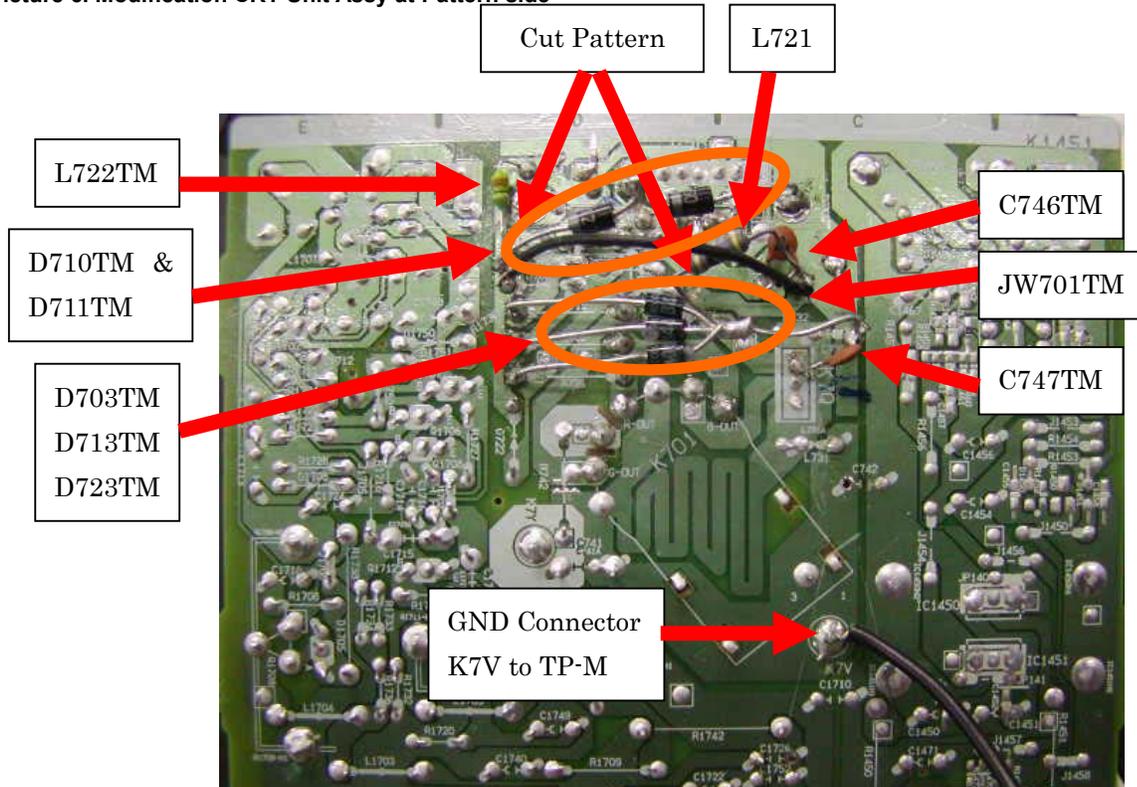
Picture 5. Change Resistor R705, R715 & R725 and add diode D731TM

D731TM

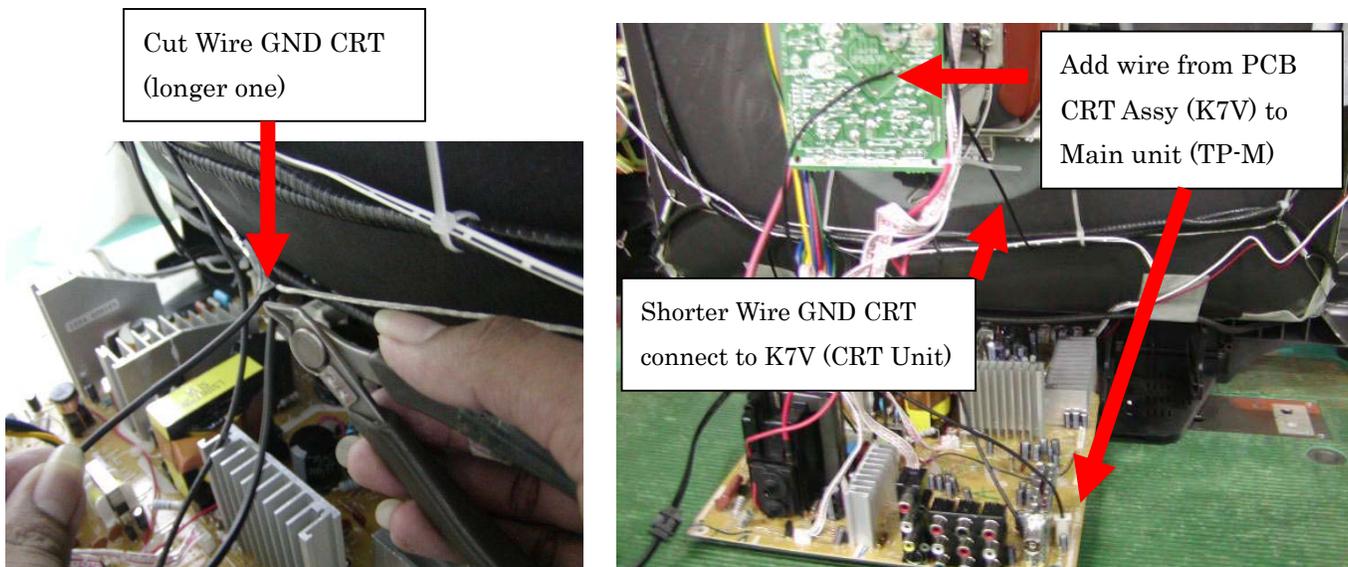
R705, R715, & R725



**Picture 6. Modification CRT Unit Assy at Pattern side**



**Picture 7. Cut and add wire ground connector**



There are 2 wires GND CRT which has connected to CRT unit and main unit. Please disconnect both connector, and cut the longer one. Use this wire for connect from K7V (CRT unit) to TP-M (main unit). And shorter wire (not cut) connect to K7V (CRT unit). Please see above picture for detail.

Picture 8. Wire Dressing CRT Unit

