



# Television

Chassis

ITC008

## Section :

Power supply

H\_Deflection circuit

V\_Deflection circuit

HF-IF circuit

Input / Output - Scart

Mechanical

Control panel

Data processing

Audio processing

Video processing

Picture Tube - Display

General





## H\_Deflection circuit

### Symptom description

Horizontal line rolling down the screen from the top to bottom.  
Horizontal over scanning in 16/9 mode.





## V\_Deflection circuit

### Symptom description

Jitter vertical.





## Data processing

### Symptom description

The set switch OFF and switch ON again without reason.





# Television

Chassis

ITC008



## Audio processing

### Symptom description

Difference of sound level in the speakers between the sound coming from AV source (i.e. VCR) and that from a RF Channel.

Noise (PLOP) in loudspeakers after the mains supply is switch OF.





## Picture Tube - Display

### Symptom description

Evolution of Cathode Ray Tube.





# Television

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## General

### Symptom description

Correction PART N° of capacitor CP080.





# Television

Chassis

ITC008



## General

### Symptom description

Correction PART N° of capacitor CP080.



## TECHNICAL INFORMATION N°2003 - 38

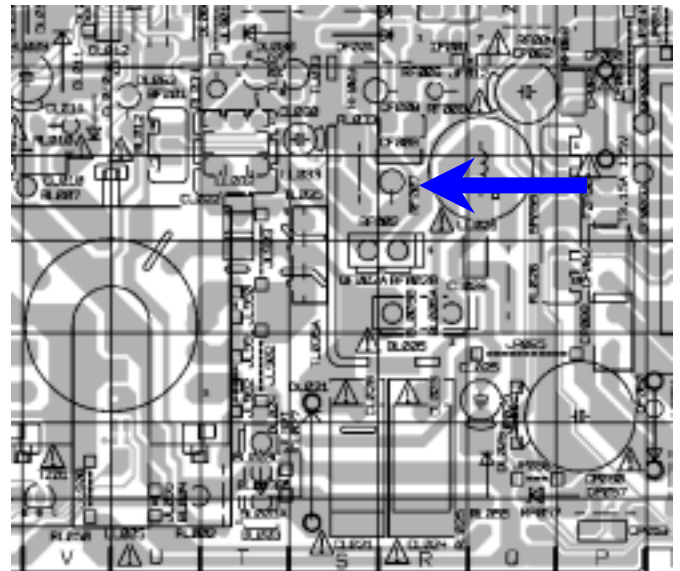
**Chassis : ITC008**

**Symptom / Problem observed :**

Horizontal line rolling down the screen from the top to bottom.

**Solution :**

- Change resistor at location RF007 from a 1.21Ω to 1Ω 1% 0.700W (**PART No 10254220**).
- Remove the resistor at location RL130 (EWM Board).



**IRIS Code:** The code mentioned below must be used to report the failure on the warrantee claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
1 3 4 3	1 0 2 5 4 2 2 0	0 1	R F 0 0 7	D F L	Y	A

You do not need to write anything in the white boxes.

## TECHNICAL INFORMATION N°2004 - 11

### Chassis : 33MF220G (ITC008)

**Symptom / Problem observed :**  
Horizontal over scanning in 16/9 mode.

**Solution :**  
**On East-West Board :**

- Change RL156 from 240Ω to 470Ω 5% 0.300W (**PART N°10262390**).
- Change RL157 from 240Ω to 820Ω 5% 0.250W (**PART N°80439900**).

**IRIS Code :** The code mentioned below must be used to report the failure on the warranty claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
3 3 3 6	1 0 2 6 2 3 9 0	0 1	R L 1 5 6	D F L	Y	A
	8 0 4 3 9 9 0 0	0 1	R L 1 5 7	D F L	Y	A

You do not need to write anything in the white boxes.



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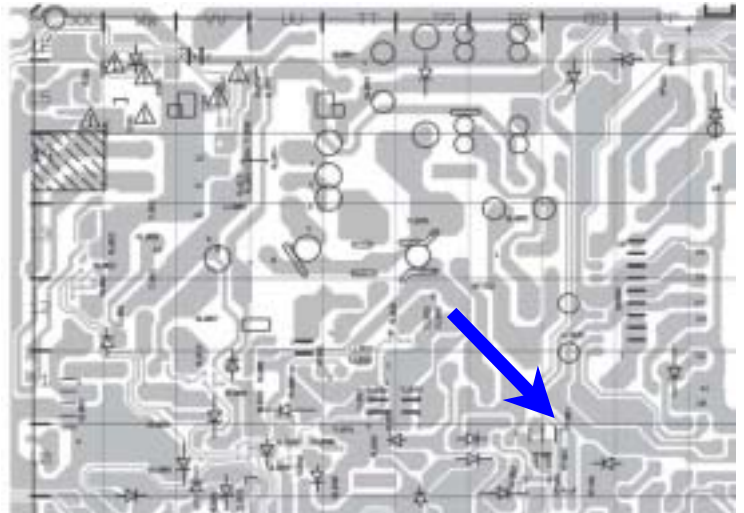
## TECHNICAL INFORMATION N°2003 - 54

### Chassis : ITC008

**Symptom / Problem observed :**  
A vertical jitter appears after a certain time or immediately after the switch on.

**Cause :**  
The capacitor CF004 is defective.

**Solution :**  
- Replace CF004 capacitor by another of the same value (1nF 50V) **PART No 10138550**.



**IRIS Code :** The code mentioned below must be used to report the failure on the warranty claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
1 3 5 3	1 0 1 3 8 5 5 0	0 1	C F 0 0 4	D F L	Y	A

You do not need to write anything in the white boxes.



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## TECHNICAL INFORMATION N°2003 - 47

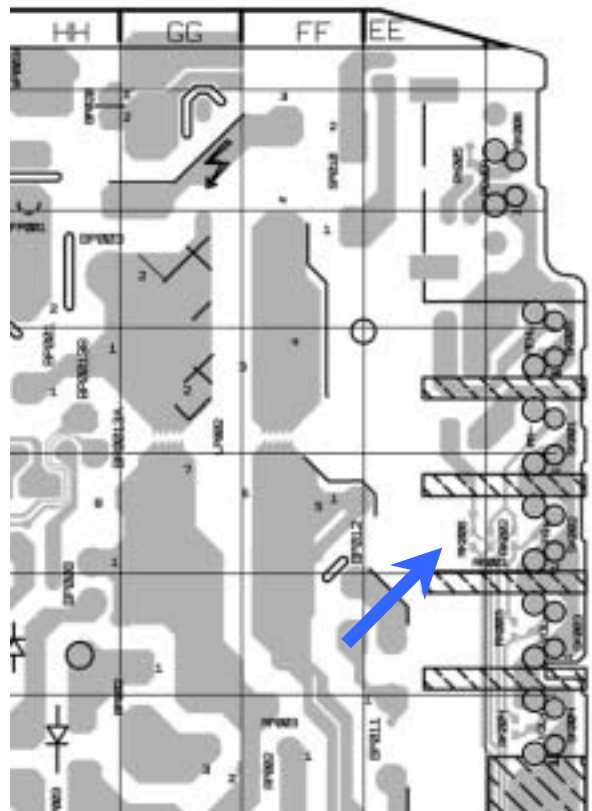
### Chassis : ITC008

**Symptom / Problem observed :**

After 2 or 3 working hours, the set switch OFF and switch ON again without apparent reason.  
(The symptom is repeated every 45 minutes)

**Solution :**

Remove the resistor in position RK006.



**IRIS Code :** The code mentioned below must be used to report the failure on the warrantee claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
3 1 1 B	□ □ □ □ □ □ □ □ □ □	□ □	□ □ □ □ □ □ □ □	S F T	□ Y	□ J

You do not need to write anything in the white boxes.

## TECHNICAL INFORMATION N°2004 - 12

### Chassis : 21DC150S (ITC008)

**Symptom / Problem Observed :**

Difference of sound level in the speakers between the sound coming from AV source (i.e. VCR) and that from a RF Channel.

**Solution :**

- Add resistor 12KΩ 5% 0.100W at position CS118 (**PART N°10135030**).
- Change RS 104 and RS106 from 1KΩ to 8.2KΩ 5% 0.100W (**PART N°10136000**).
- Change RJ101 from 100Ω to 4.7KΩ 5% 0.100W (**PART N°10135940**).

**IRIS Code :** The code mentioned below must be used to report the failure on the warrantee claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
1 5 2 X	1 0 1 3 5 0 3 0	0 1	C S 1 1 8	A P A	Z	K
	1 0 1 3 6 0 0 0	0 1	R S 1 0 4	A P A	Y	A
	1 0 1 3 6 0 0 0	0 1	R S 1 0 6	A P A	Y	A
	1 0 1 3 5 9 4 0	0 1	R J 1 0 1	A P A	Y	A

You do not need to write anything in the white boxes.

## TECHNICAL INFORMATION N°2004 - 24

### Chassis : 28DR222 (ITC008)

**Symptom / Problem Observed :**

Noise (PLOP) in loudspeakers after the mains supply is switch OF.

**Solution :**

- Replace the diode at location DP061 with a SB560 diode (Part N° 20956430).
- Replace the jumper link at location DS201 with a RGP15G diode (Part N° 10272800).
- Change resistor RS211 from 4.7KΩ to 47KΩ 5% 0.100W (Part N° 10135220).

IRIS Code: The code mentioned below must be used to report the failure on the warrantee claims form; we have included it to make fault report easier and the data more reliable.

Symptom	Part code number	Qty	Position	Section	D.Code	R.Code
P 5 2 X	2 0 9 5 6 4 3 0	0 1	D P 0 6 1	P S U	Y	A
	1 0 2 7 2 8 0 0	0 1	D S 2 0 1	A P A	Y	A
	1 0 1 3 5 2 2 0	0 1	R S 2 1 1	A P A	Y	A

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## TECHNICAL INFORMATION N°2003 - 48

**Chassis : ITC008 (29DZ220S - 29DC220S)**

**Subject : Evolution of Cathode Ray Tube**

The set have been equipped with two versions of Cathode Ray Tube :

- 1<sup>st</sup> version : A68QCP893X006 or A68QCP893X230 (**PART No 10743850**)
- 2<sup>nd</sup> version : A68ELA011X001N (**PART No 21321160**)

Before ordering, check the version used in your set.

For maintenance, the codes of the specific parts, associated each version of cathode ray tube, are indicated in the table below.

PART	29DZ220S		29DC220S	
	1st version	2nd version	1st version	2nd version
Cabinet	25700910	25607000	25694990	25695030
EWB Board	21223980	21277600	21223980	21277600
Resistor RL007	30940690 (1.5Ω)	15041930 (0.68Ω)	30940690 (1.5Ω)	15041930 (0.68Ω)
Capacitor CL021	10682410 (14.4nF)	10722820 (13.7nF)	10682410 (14.4nF)	10722820 (13.7nF)
Screw CRT (X4)	64084114	64084414	64084114	64084414



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**TECHNICAL INFORMATION N°2004 - 06**

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**Chassis :****ETC210 - ETC210 PTV - ETC221 - ICC20 - ICC21  
ITC008 - ITC222 - ITC222 PTV - TX807C/CS****Subject : Correction of code and description in the part list**

On the spare part lists, please bring the following correction.  
The right code is : **PART No 10658570**, capacitor 220 $\mu$ F 200V  
Instead of : PART No 10516590, capacitor 100 $\mu$ F 200V.

Chassis	Position of capacitor
ETC210	CP110
ETC210 PTV	CP110
ETC221	CP110
ICC20	CP110
ICC21	CP110
ITC008	CP080
ITC222	CP110
ITC222 PTV	CP110
TX807C/CS	CP080

