

## TELEVISION TECHNICAL BULLETIN

**MODELS**      37DM23H                      37DT25H                      51DT25H

### Common faults on the CA1 Chassis

<b>Fault</b>	<b>Reason</b>	<b>Possible Cause</b>
No teletext	Low video input to pin 30 of IC1001 (should be 2.5V).	Q201 or Q801
Buzz on sound	Noise on audio IF signal or AFT VCO adjustment incorrect	Q801 or poor adjustment of the AFT VCO
Erratic start up problems	Noise corrupting operation of IC1001/201	See Technical Bulletin CTV981205
Vertical stage problems	Various component failures. Note that as the vertical output stage is DC coupled, a problem at the start of the stage can have a dramatic effect on the output.	Check all components in the vertical stage, paying particular attention to R507/8/22, C510/2/14 and C713
No start up	Power supply failure	Q702 and/or D718 short circuit
Dead set	Power supply running, but no picture and sound – reset pulse problems	Q704 and/or Q1012
Low HT (40V)	Feedback control for the power supply incorrect	Check components around the opto-coupler

Note that the CA1\CA10 chassis training course notes are available on the Sharp Electronics (UK) Limited Web Site ([www.tradenet.sharp.co.uk/tech](http://www.tradenet.sharp.co.uk/tech)) under the models fitted with these chassis - grouped under the Service Manual heading. These notes contain in depth details on circuit operation. Please refer to these while fault finding.

If you have a fault to add to the above list, please do not hesitate to contact Sharp Technical Support via the Hot Line telephone number.