

## TELEVISION TECHNICAL BULLETIN

**MODELS**      DV5105H                      DV5107H                      DV5132H

**SYMPTOM**    Intermittent operation leading to any of the following symptoms.

- Set starts up then shuts down with the LED red
- Set starts up then shuts down with the LED changing between red and green
- Set shuts down intermittently, normally when there is high beam current
- Intermittent start up - improves when warm

**CAUSE**        R751, R777, D751, D700, C756 and/or R612.

**ACTION**        The above faults are normally caused by R751 and R777 going high in resistance. Both of these resistors are 0.33Ω and go high by a few hundred milliohms, as most multimeters are unable to resolve resistances less than 1Ω it is advised to check by substitution.

In some cases, intermittent start up has been traced to D700 (HT rectifier), D751 (pre-five volt rectifier) or C756 (smoothing capacitor). Once again it is best to replace these components if in doubt.

R612 is the supply feed resistor to the vertical stage. All sets should be modified so that a 1.2Ω, 0.5W resistor is fitted in series with R612. To do this, replace wire link J13 with the resistor.

Note that the HT supply should be 113VDC on a blue screen (pull the aerial out and wait a few minutes - the blue screen will appear due to lack of line sync).

<b><u>REF NO</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PART NUMBER</u></b>	<b><u>PRICE CODE</u></b>
R751	Resistor, 0.33R, 1W	VRN-VV3ABR33J	AB
R777	Resistor, 0.33R, 1W	VRN-VV3ABR33J	AB
D700	Diode	RH-DX0110CEZZ	AB
D751	Diode	RH-DX0226CEZZ	AC
C756	Capacitor 2200μF, 25V	VCEAGH1EW228M	AE
R612	Resistor 2.2Ω, 0.5W	RR-XZ0204BMZZ	AA
J13	Resistor 1.2Ω, 0.5W	VRD-RA2HD1R2J	AA

**Sharp Electronics (UK) Limited**

Reference AVW031299-2

Revision 2

