

**TELEVISION TECHNICAL BULLETIN**

**MODELS**      66GS62H

**REASON**      Large picture or east/west problems. These symptoms can occur after replacing a short circuit line output transistor (Q601)

**CAUSE**          Q602 short circuit or leaky, in some cases the drive circuitry may be faulty - see below.

**ACTION**          Replace Q601, Q602 and any other components in its drive circuit that may be faulty. Also check for dry joints in the line output stage, paying particular attention to C601, C602, C619 and C624.

If there is an east/west control fault, it is advisable to ascertain if the problem is due to the driver or software

Examine the waveform on pin 99 of IC1001, this should be a parabola at 50Hz, which changes as the east/west controls are adjusted.

If there is no waveform, or it does not adjust, blank the EEPROM (IC1003) using the appropriate jig (see Technical Bulletin CTV2002 03 02). If this does not restore the output from IC1001, suspect IC1001. Note that the type of IC1001 depends on the size of the EEPROM fitted - see Technical Bulletin CTV2002 01 01 for more details.

If the waveform changes when adjusted, then the output circuit is probably faulty.

Note that it is advisable to fit a larger heatsink to Q601 and Q602 to reduce the possibility of future failures, using the part numbers below for the larger heatsink.

<b><u>REF NO</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PART NUMBER</u></b>	<b><u>PRICE CODE</u></b>
Q601	Transistor, BUH515D	RH-TX0226BMZZ	AK
Q602	Transistor, 2SK2843	RH-TX0236BMZZ	AE
-	Heatsink	PRDARA018WJFW	AC

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**Sharp Electronics (UK) Limited**

Reference AVW14062002-3

Revision 1

White – Carry out as required

Yellow – Carry out as required and whenever the unit comes in for service

Red – Carry out on all units