VESTEL Service Bulletin

Model:	Service Bulletin No: 124	Priority
14'' Combi TV with AK46-1 chassis		( )S. All product. ( )A. Items in Customer / Dealer stock / Service return goods. ( )B. Customer stock / Units returned for Service. (X)C. Sold items returned for Service. ( )D. Only Units returned to this bulletin. ( )E. Others

SUBJECT : IC403(STV224X) defects **DATE : August 27, 2002**

<Objective>

Please modify if following symptom occurs.

<Symptom>

1. No picture after switching on due to the IC403 RGB outputs are defected.
2. When the picture is only green due to 20. Pin of IC403 CVBS SW pin) is defected.
3. When Picture is vertically shifted

<Cause>

1. Spark on CRT
2. No good grounding on Tuner
3. Base and emitter of Q603 is short circuit.

<Countermeasures>

After changing the defected IC403,

Applied the following modifications to repair chassis and prevent reoccurence of defects

1. Modifty TP46I-3 CRT board by insertion BA159 diode between 200V and RGB driver resistors as explain below.

   Solder the anode of Diode BA159 (VE-30001318) to cathode of D902; solder the cathode of Diode BA159 to Q909 collector (intersection point with R913).

   Solder the anode of Diode BA159 (VE-30001318) to cathode of D903; solder the cathode of Diode BA159 to Q908 collector (intersection point with R914).

   Solder the anode of Diode BA159 (VE-30001318) to cathode of D901; solder the cathode of Diode BA159 to Q907 collector (intersection point with R915).
2. Connect a Diode zener 8.2V (VE-30001347) between the Emitter of Q2 (- point of C424) and – point of C485 in order to good grounding on Tuner as explain below.

   Solder cathode of Diode Zener to the Emitter of Q2 (- point of C424), solder anode of Diode Zener to – point of C485.
3. Connect a Diode zener 8.2V (VE-30001347) between the Collector of Q603 and ground for Vertical shift problem

   Solder cathode of Diode Zener to the Collectorr of Q603, solder anode of Diode Zener to Ground.

<Parts order>

VE-30001318: DIODE BA159 1A/800V 20A
VE-30001347: DIODE ZENER 8.2V

<Modification Start Date>

27.08.2002