BE3B software for the i²c jig (psion).
I²c software for BE3B vs4.0 is now available. This should be used with the i²c interface for the psion, and is able to control all the i²c related functions in this TV chassis. See service bulletin for details.

Part No. Description
S16220010 I²C software
S14100010 I²C interface

Part number info: extension board
The extension board shown in the service manual of BE3B models is available under the following part number.

Part No. Description
370267601 extension board

Dealer commander for automated station programming. The psion based remote commander has new software which supports AE2A, AE2B, AE2F and the BE3B chassis.
The software update V2.2 is now supplied. Datapacks version 1.0 or 2.1 can be exchanged free of charge. See the service bulletin for details, and also see service bulletin TV00394 for details of the interface and commander kit.

Part No. Description
S14860010 PRM-1 interface
S14870010 Commander kit inc Psion

BE3B software updates for the i²c jig (psion).
In addition to the other new features, a corrupt nvm may not have allowed all data to be read with the old software datapacks. A new "compare" option is added to the main menu of the i²c datapacks. It allows two "settings" files to be compared. A list with a description of each byte of the settings file is included. Older software packs can be exchanged free of charge.

New training material. The following publication is now available.
Colour television BE3B chassis. This has a circuit overview of this chassis which is the new chassis for budget televisions.

Part No. Description
S79602310 colour TV BE3B chassis

Replacement of IC605.
After replacing IC605 (MCT7812CT) on the D board with the service part TA7812 (8-759-231-58), the set enters standby mode. The problem is that TA7812 is not 100% compatible with the originally mounted IC605 MCT7812CT. Replace IC605 only with the originally mounted IC MCT7812CT (8-759-279-76).

Poor colour.
1: Check C323 (.1uF).

No picture and TXT, only OSD.
1: Since R829 is open circuit, The automatic black level does not function properly. Replace R829.

Component	Location	Section
R829 56kohm/1/2W	D-board	PRT

1-249-493-11

Faded, discoloured or dark picture.
1: C821 has dry joint causing low G2 voltage. Resolder C821 on D board in DFL section.

Various picture symptoms in connection with solder crack.
1: This is due to the chassis bracket touching the long legs of C821, C818, C816, C817 and R830 causing solder crack, or insufficient soldering on the FBT focus pin. Shorten the legs of C821, C818, C816, C817, R830 and also solder together. Also solder together the FBT focus pin and the FBT dynamic pin (only KV28WS1 models).

Dark picture in TXT.
1: Value of "fast blanking" in service mode TDA8366-2 is set to 000. Change value to 001.

Black picture in TXT. Clock does not run.
1: Setting of value Srce Sel 2 is incorrect at 03. Select TT mode device TDA8366 1. Set value of Srce Sel 2 to 00. End with TT00.

Location	Section
J board	VPA

No sound or picture.
1: [Time bases ok]. Check IC202.

Many lines in picture. Crackling sound, intermittently no sound.
1: Tuner and screening plate have poor earth connection. Cut off all tags of screening plates behind bent rim and solder them to the now free pins. Solder all lips of plates around tuner case.

Dark picture. OSD just about visible.
1: Regulator IC605 is defective causing the output voltage at pin 3 to be approx. 2V instead of 12V. Replace IC605 (MC7812) no. 8-759-231-58.

Hum. Background hum especially noticeable when channel becomes silent.
Earth pattern on the D board. Remove JW255. Solder a 70mm insulated wire between the unused hole in the audio heatsink and JW255. Route the wire as shown in the diagram in the service bulletin.

Audio-click when switching.
1: R1208 is open circuit. Replace R1208.

Component	Location	Section
R1208 4,7ohm/1/4W	D-board	APA

1-212-849-00

Clicking noise during NICAM reception.
1: Malfunction of the NICAM circuitry. Perform the following changes on the A board:
1) Replace R1104 (100k) by a 33k chip resistor.
2) Replace R1105 (2.2k or 4.7k) by a 1.8k chip resistor (1-216-055-00)
3) Replace C1110 (0.022µF) by a 0.047µf chip capacitor (1-163-809-11).

Sound crosstalk from tuner to scart.
1: The sound from the signal tuner is audible at the selected A/V input. The problem is caused by excessive RF modulation of some transmitters. On the A board, change R136 and R137 from 22k chip (1-216-081-00) to 39k chip (1-216-087-00).

No sound or picture.
1: [Time bases ok]. Check IC202.

Dead.
1: Check start up resistor R600 (39K).
2: Q603 (2SC22808STP-R) is defective.

Nearly dead.
1: Check four circuit protectors PS600 to PS603.

No picture and TXT, only OSD.
1: Since R829 is open circuit, The automatic black level does not function properly. Replace R829.

Component	Location	Section
R829 56kohm/1/2W	D-board	PRT
1-249-493-11		

Front controls or RC do not work.
1: IC001 is defective. Two different ICs were used in production for IC001, namely: CXP85340A and CXP85232.

Ref	Desc.	Location	Section	part no.
IC001	CXP85340A	A board	SYS	8-752-863-45
IC001	CXP85232	A board	SYS	8-752-854-74

No teletext, very intermittent at start.
1: Check 1001 (13.875MHz).