



GRUNDIG

**SERVICE
INFORMATION
BULLETINS
2001**

Table of Contents

GENERAL

"Service per mouse click " ((flash-programming,Digi 100 chassis)	e_01/01
--	---------

AUDIO / HiFi

M 100 CD MK II.....	e_01/01
---------------------	---------

CAR AUDIO

Navigation system GPS 3	e_01/01
-------------------------------	---------

DVD

DVD-Player GDV 100D, GDV 100D/002, GDV 110, GDV 200, Xenaro GDP 5100, GDP 5102, GDP 5120, GDP 6150, Malaga SE 1230	e_01/01
---	---------

SAT

Satellite headend station STC 1880	e_01/01
--	---------

TV

Colour TV sets wit the chassis Digi Basic 3 - CUC 1832, 1930 and 1931	e_01/01
Flash programming for the new Digi 100 generation	e_02/01
Special functions (options) for the colour TV sets with the chassis Digi 100	e_03/01
Chassis Digi 100 - Flash-Programmer FProg1	e_04/01
Chassis CUC 21... - Service Documents	e_04/01
Colour TV sets with the chassis CUC 2103 and CUC 2121	e_05/01
Replacing the memory EEPROMs with the chassis CUC 2103, 2105, 2121, and 2130	e_07/01
Burned battery socket or battery connecting cable P 37-830/12 and P 37-840/12 SAT, and equivalent units...	e_08/01
Damage to the bottom corners and edges of the TV sets Lenaro MFW 84 - 6110 and MFW 92 - 6110	e_09/01
TV sets with Digi 100 chassis	o_01/01
TP 750/715 and equivalent units	o_02/01
ST 70-2103 SAT retrofitting not possible	o_03/01

Service Information

"Service per mouse click " (flash-programming, Digi 100 chassis)

Dear business partner,

For an optimum stationary and mobile product support of our new CTV models generation fitted with the DIGI 100 chassis, we are able to offer you the „Flash-Programmer F-Prog. 1“. This is a service interface enabling the dialogue between the CTV terminal unit and a desktop or notebook PC. With the help of a PC and the Flash-Programmer F-Prog. 1, software updating can be carried out both in the workshop and on-site at the end user.

This kind of updating guarantees an immediate availability of the current software. With this TV set type, order/delivery delays as well as the repair through EPROM updating are a thing of the past. We are sure that this way of software updating will make its entrance also with future products.

The F-Prog. 1 (material number 759880740000) will be offered at a price of DM 29.90 (EUR 15.29) plus VAT.

Scope of delivery: Flash programmer (RS232 converter)
RS232 cable (25-to-9-pin)
Diskette (PC software and user manual)

We recommend you to make use of the order option via the Internet. Of course you may still order the F-Prog. 1 also via the Hotline number ++49 911 93394828 or via email: Grundig-International@sellbytel.de.

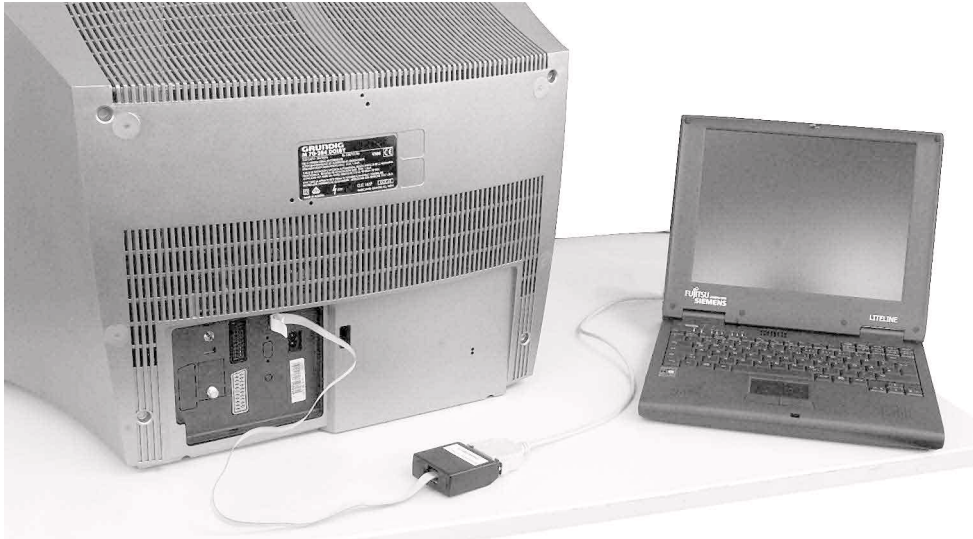
As registered Grundig reseller you are authorized to access the Grundig spare parts master record. Please let assign you via the below stated address your individual password after indicating your customer number:
email: zdenek.laichmann@grundig.com.

For ordering via the Internet, please follow the instructions below:

- Start the **Microsoft Internet Explorer** or **Netscape Navigator**.
- Enter the address: **<http://www.grundig.com>**
- Click to **Info + Products**.
- Position the mouse pointer to **Service** and click to **Reseller Support**.
- Click to **spare parts: ordering and listings, service documents**.
- Login by entering your **customer number** and **password**.
- Enter the **product number** (759880740000) then click to **search now**.
Note: on this display you will also find the link to downloading the current device software (**spare parts listings and service documents**)
- Click to the appearing **product number 759880740000**.
- Click to **put into cart**.
- Click to **shopping cart** in the head bar.
- Click to **offer**.
- Click to **send order**.

General

Serial No. 01/01



In cooperation with one of our suppliers we have established for you an offer for a Notebook which, because of its configuration, is especially appropriate for the on-site updating at the customer.

Manufacturer/ type: Fujitsu-Siemens Liteline 325 A

Features:	AMD K6-2 500MHz	NiMH accu
	64 MB RAM	56k modem
	5.0 GB Hard Drive	MS Windows 98 SE
	12.1" HPA Display 1024 x 768	MS Works Suite 2000
	24x CD-ROM	12 months bring-in guarantee

Price: DM 2,450.00 plus VAT
EUR 1,252.67 plus VAT

Please place your order directly to :

Grundig AG
Zentralkundendienst
Beuthener Straße 55
D-90471 Nürnberg

Kind regards

Yours

GRUNDIG Central After-Sales Service

Enclosure: Hotline and further contact addresses of the supplier of the PC.

Hotline und weitere Kontaktadressen

Bitte halten Sie vor Ihrem Kontakt mit der PC-Hotline oder mit unseren Servicepartnern immer die Identnr. Ihres Geräts griffbereit (siehe Beispiel Typenschild).

PC-Hotline

Bei Fragen oder Problemen hilft Ihnen gerne die PC-Hotline weiter.

Öffnungszeiten Montag bis Freitag von 9.00 – 18.00 und Samstag von 9.00 – 14.00.

Consumer-PC's (SCENIC Xpert)	+ 49 (0) 180 / 3 77 70 04 (Tarif DM 0,18/min.)
Notebooks	+ 49 (0) 180 / 3 77 70 01 (Tarif DM 0,18/min.)
Business-PC's	+ 49 (0) 180 / 3 77 70 00 (Tarif DM 0,18/min.)
Workstations	+ 49 (0) 180 / 3 77 70 03 (Tarif DM 0,18/min.)
Fax:	+ 49 (0) 821 / 8 04 37 50 (Tarif DM 0,18/min.)

Siemens IT Service Call Management Center

Call Center (Störannahme) Öffnungszeiten durchgehend + 49 (0) 180 / 5 40 40

Fax: + 49 (0) 180 / 5 33 67 79

weitere Kontaktadressen

Die Adressen der Servicepartner finden Sie in dem zu Ihrem Fujitsu Siemens Produkt mitgelieferten Serviceadressheft oder im Internet, Webseite <http://www.fsc-pc.de/Kontakt.asp>

auf dem Abruffax Fax:	+ 49 (0) 821 / 8 04 27 01
in der PC Service Mailbox	+ 49 (0) 821 / 8 04 33 33 (analog)
	+ 49 (0) 821 / 81 40 07 (ISDN)
	+ 49 (0) 821 / 8 29 71 (ISDN)

Auch Ihr Vertriebspartner, bei dem Sie das Produkt gekauft haben, gibt Ihnen gerne Auskunft. Für weitere Fragen oder Bemerkungen bezüglich unserer Garantie, wenden Sie sich bitte an Ihren Vertriebs- oder Servicepartner oder an:

Fujitsu Siemens Computers GmbH
Service Management
D - 86147 Augsburg

Hotline and further Contact Addresses

Please always keep handy the identification no. of the product concerned (see type plate example) before contacting our PC Hotline or our service partners.

PC Hotline

In the case of questions or problems our PC Hotline personnel will be glad to assist you. Hours of business on Monday through Friday from 9 to 18 hours and Saturdays from 9 to 14 hours.

Consumer PCs (SCENIC Xpert)	+49 (0) 180 / 3 77 70 04 (tariff 0.18 DM/min.)
Notebooks	+49 (0) 180 / 3 77 70 01 (tariff 0.18 DM/min.)
Business PCs (SCENIC Xpert)	+49 (0) 180 / 3 77 70 00 (tariff 0.18 DM/min.)
Workstations	+49 (0) 180 / 3 77 70 03 (tariff 0.18 DM/min.)
Fax:	+49 (0) 180 / 3 77 70 04 (tariff 0.18 DM/min.)
Notebooks	+49 (0) 821 / 8 04 37 50 (tariff 0.18 DM/min.)

Siemens IT Service Call Management Center

Call Center (failures reception) Round-the-clock hours of business +49 (0) 180 / 5 40 40

Fax: +49 (0) 180 / 5 33 67 79

Further Contact Addresses

The addresses of our service partners are to be found in the service address booklet supplied with your Fujitsu Siemens product, or

in the Internet, Web page	http://www.fsc-pc.de/Kontakt.asp
under the polling Fax No.	+49 (0) 821 / 8 04 27 01
in the PC Service Mailbox	+49 (0) 821 / 8 04 33 33 (analog)
	+49 (0) 821 / 81 40 07 (ISDN)
	+49 (0) 821 / 8 29 71 (ISDN)

Your reseller where you have purchased the product will also be glad to provide you with the necessary information. For further information on our guarantee please contact your sales or service partner, or:

Fujitsu Siemens Computers GmbH
Service Management
D – 86147 Augsburg

Service Information

Unit: **M 100 CD MK II**

Possible complaint:

CD's are at times not read, tracks are not found.

Remedy:

Replacement of the microprocessor CIC 1 carrying the designation D78P048 AGF **M 100 CD** with a D78P048 AGF **CD-05 MK-II**.

Workshop:

In the event of a complaint, replace the microprocessor along with new software.

Stockkeeping:

CIC 1, D78P048 AGF **CD-05 MK-II**, part no. 59798 419 0000

AUDIO / HIFI

Serial no. 1/01

Service Information

Unit: **Navigation system GPS 3**

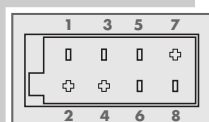
Possible complaint:

The colours of the leads to socket 3 (voltage supply) of the cable tree supplied do possibly not correspond with the information given in the mounting instructions.

Remedy:

Please consult the excerpt of the updated mounting instructions:

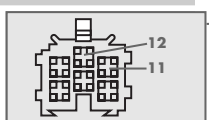
CONNECTIONS TO THE CABLE TREE



Socket ③:: to ISO plug ② of the vehicle (ISO socket)

- 1 white SCV
- 2 green/yellow Mute
- 3 red /white
- 4 clamp 15/30 ignition (clamp 15) red line
- 5 blue Aerial
- 6 orange Illumination
- 7 clamp 15/30 (continuous plus, clamp 30) yellow line
- 8 brown Earth

Connections 3 and 5 are transferred directly to plug ② (for the car radio).



Plug 1: telephone connection (6-pin) GRUNDIG devices since WKC 5300 RDS

- 11 pink Telephone: AF output
- 12 black Telephone: earth

When using DAB and a navigation system (to be carried out by a qualified workshop):
Remove plug 1, pins 11 and 12, and insert them into the corresponding plug of the DAB system.

All illustrations show the plug layout from the rear.

ENGLISH

7

Workshop:

Please observe in the event of a complaint.

Stockkeeping:

none

Service Information

Unit: **DVD-Player GDV 100D, GDV 100D/002, GDV 110, GDV 200,
Xenaro GDP 5100, GDP 5102, GDP 5120, GDP 6150, Malaga SE 1230**

Controlling the DVD players with the TP 100C, TP 110C and TP 130C TV remote controls

The basic functions of the above DVD players can be controlled with the TV remote controls TP 100C, TP 110C and TP 130C.

The DVD players operate with two different remote control codes.

The GDV 100D, GDV 100D/002, GDV 110 and GDV 200 can be controlled without changing the code.

For controlling the DVD players Xenaro GDP 5100, GDP 5102, GDP 5120, GDP 6150 and Malaga SE 1230, the remote control code must be changed on the TV remote controls.

For this, press and hold down the „MODE“ button on the TV remote controls while pressing the numeric buttons 4, 5 and 6 simultaneously.

To reset the TV remote controls to the factory setting (control of the GDV 100D, GDV 100D/002, GDV 110 and GDV 200), press and hold down the „MODE“ button on the TV remote controls while pressing the numeric buttons 1, 2 and 3 simultaneously.

When the operating voltage is decreased, the TP 100C, TP 110C and TP 130C are also restored to the factory setting. For controlling the DVD players Xenaro GDP 5100, GDP 5102, GDP 5120, GDP 6150 and Malaga SE 1230, the remote control code must be set again when the battery is replaced.

Stockkeeping:

Telepilot TP 100C (gray)	Part no. 296420614102
Telepilot TP 100C (black)	Part no. 296420614600
Telepilot TP 110C	Part no. 296420614202
Telepilot TP 130C	Part no. 296420614400



Serial no. 01/01

Service Information

Satellite headend station STC 1880

Possible complaint:

Complete failure of the headend station. The fuse Si 60002 T1 AL, and partly the fuse Si 60020 T2,5 AL, are broken.

Cause:

Short circuit in the power supply transistor T 60006 (IRF PC 50).

Remedy:

In addition to replacing the power supply transistor, replace the diode D60006 MUR 480 with a wire bridge. This measure reduces the drain voltage and with that the danger of a damage by overvoltage.

Workshop:

In the event of a failure of the power supply transistor, carry out the change. In addition, carry out this change as a preventive measure on all STC 1880 which are in the workshop, without regard of the existing failure.

Stockkeeping:

Transistor IRF PC 50	Part no. 830280505000
Fuse T1 AL	Part no. 831561700400
Fuse T2,5 AL	Part no. 831561700600

SAT

Serial no. 1/01

Service Information

Colour TV sets wit the chassis Digi Basic 3 - CUC 1832, 1930 and 1931

e.g.: Sydney SE 720 Dolby, Xentia M 72-400 Dolby, Denver SE 8250/8 PIP/Dolby

Possible complaint:

No picture, no sound.

Cause:

Failure of the power supply transistor T 60006 (IRF PC50 or 2SK2699).

Remedy:

In addition to replacing the power supply transistor change the SMD capacitor CC 60014 from 3.3 nF to 10 nF. This results in a better softstart function of the power supply.

Workshop:

In the event of a defective power supply transistor replace in addition the capacitor.

Stockkeeping:

SMD capacitor 10 nF 0805	Part no. 867219817300
Transistor IRF PC 50/2SK2699	Part no. 830280505000



Serial no. 1/01

Service Information

Gerät: **Colour TV sets Digi 100**

Flash programming for the new Digi 100 generation

For the above stated series of sets, no completely programmed EPROM has been used for the device software. The software is stored in a Flash-Eprom that can be externally loaded. In this way it is possible to update the software without opening the housing of the TV set.

To do this, the new software is downloaded into the TV set via the serial interface of a PC and the programming socket located at the rear of the TV set using a download programme and a RS232 converter (Flash-Programmer F-Prog 1).

Required equipment

Flash-Programmer F-Prog 1, part no. 759880740000

Required hardware (minimum)

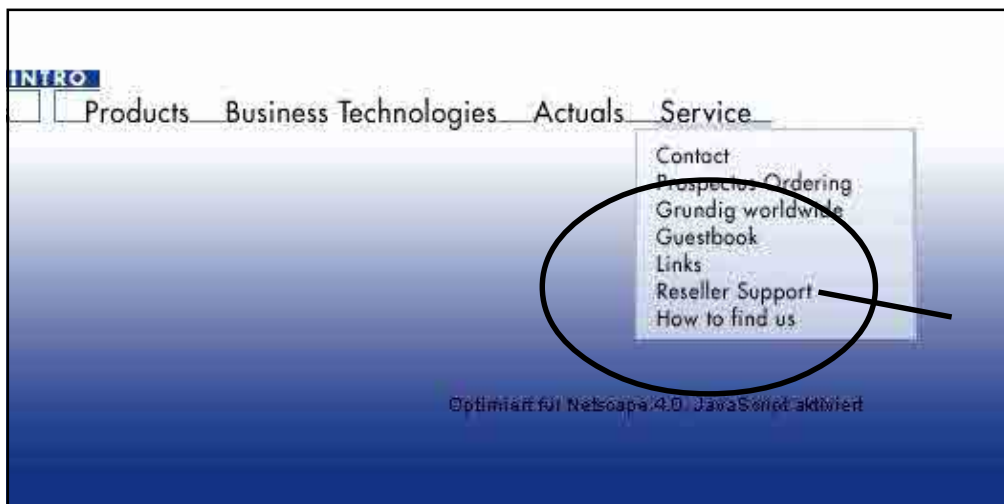
- PC with processor 486/66 and operating system Windows Version 3.11 or higher
- 8 MB free main memory
- Free fixed disk capacity of 20 MB
- Internet access or InfoTip-System

Calling up the current device software

The software can be called up from a protected area of the Grundig Internet Homepage after entering your customer number and a password, or it can be called up via the InfoTip-System (under „Service Tips“).

Example for calling up the software from the Internet:

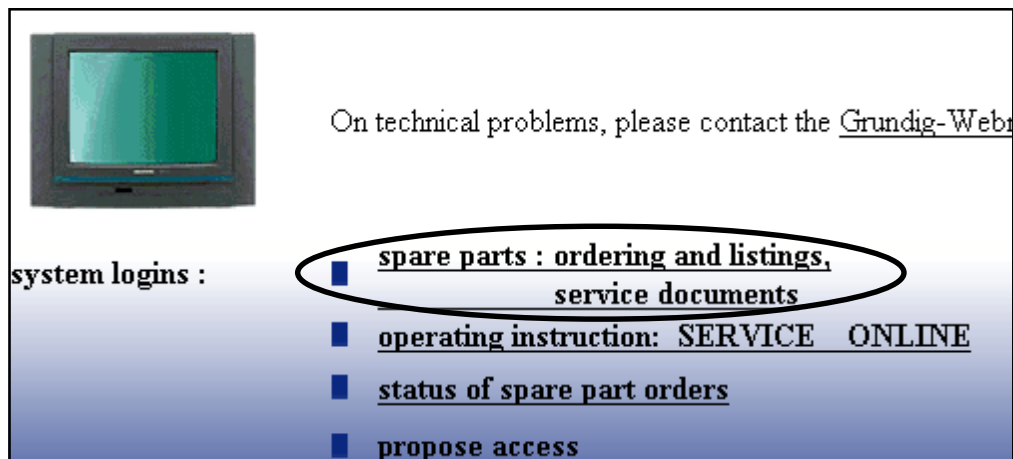
- Start the Microsoft Internet Explorer or Netscape Navigator.
- Enter **http://www.grundig.com** and confirm.
- Click to **Info + Products** on the Grundig Home-Page.
- Position the mouse pointer to **Service**.
- Click to **Reseller Support**.



Serial no. 02/01

Note: In the retailer support menu, you may apply for access by entering your customer number and your address.

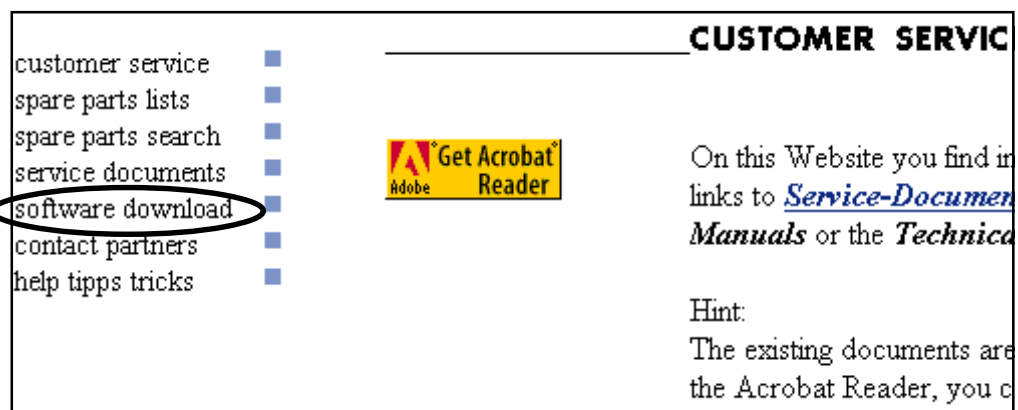
- Click to **spare parts: ordering and listings, service documents**.
- Enter your customer number and password.



- Click to **login**.



- Click to **spare parts lists and service documents**.



Service Information TV 02/01

- Select the desired software under **software download**.
- Copy the selected device software into the folder *C:\GRUNDIG\Software* of your PC which has been created when installing the F-Prog 1-PC software.

advice!
In order to download please click onto the material
select "Ziel/Verk pfung speichern unter" ("save as")

Caution: First you must decompress the ZIP-File!
Advice: [Operating instruction Flash-Programmer](#)
[Advice for DIGI 100](#)
[Advice for PlanatronII](#)

Category: Software
Product group: DIGI 100
Status: []

search reset

MaterialNo	Description:	Version
297981110400	West/400-Seitentext	Ver 1.0
297981110401	West/2000-Seitentext	Ver 1.0

The downloaded packed file (*.zip) then must be unpacked by an appropriate unpacker for „ZIP“ files (appropriate unpackers can be found, for example, under www.winzip.com).

ZIP files cannot directly be loaded into the TV set!

Additional hints/particularities for programming with the „F-PROG 1“:

- Before connecting the Flash Programmer, switch the TV set off with its mains button then connect the programmer when the operating LED has gone out!
- After starting programming, the operating LED first remains dark then starts flashing as soon as the Flash memory is deleted.

Service Information



Setting hints and special functions (options) for the colour TV sets with the chassis Digi 100 (CUC 1807, 1837, 1838, 1839, 1934, 1935)

e.g.: Elegance 70 M 70-300 Dolby, Elegance 70 MW 70-150/8 Dolby, Hamburg SE 8240 Dolby, M84-212/8 Dolby, Toronto SE 7216 Dolby

Below you find setting hints and explanations for various functions of the TV sets with the chassis Digi 100.

1. Power-on behaviour of the set

In the „Special functions“ menu you can select under the „Power on“ menu item between „automatic“ and „Programme position 1“.

automatic: the set is switched on with the last power-on mode. For this, the last recognized programme position and operating mode (standby or normal operating mode) are stored.

Note: if the set has been switched off with the mains button in standby mode, it goes again in standby mode after power on and must definitely be switched on using the remote control.

Programme position 1: the set selects programme position 1 each time it is switched on.

2. Settings in the „Programme table“ menu

In this menu, further presettings can be programmed in addition to the channel setting for every programme position.

Note: direct channel entry is only possible in the programme table.

„P+“ reversion point: the reversion point is the limitation of the programme positions for programme selection using the „P+“ button. This reversion point is marked with an orange line in the programme table. To shift the reversion point, it is necessary to shift the programme position above or below this line according to the direction of shift.

1-/2-/3- digit programme position selection (3-digit only with a retrofitted satellite module): for 1-digit programme position selection you must place the reversion point in the programme table between the programme positions 1 and 10. For 2-digit programme position selection place the reversion point between the positions 10 and 100.

Forced settings (forced colour standard, forced mono, fixed assignment of a multi-channel sound, RF time constant, AFC):

In the „Channel settings“ menu (menu guide: „i“ -> „Programme table“ -> „Edit“ -> „Change channel settings“) you can carry out various forced settings.

Note: it is also possible to set a forced colour standard for the AV programme positions in this menu.

Serial no. 3/01

3. Volume adjustment:

You can store a volume setting deviating from the basic volume separately for every programme position in the „Sound“ menu (blue button) under the menu item „Volume adjustment“. This adjustment is allowed by the software only if the basic volume is higher than 7 of the 64 steps of the control range.

4. Picture settings (brightness, contrast, colour, etc.):

The desired picture settings are carried out in the „Picture“ menu (red button). Changing the contrast is only possible with the „manual“ presetting. The presettings „During the day“ and „In the evening“ are stored with fixed contrast settings. To get a better overview, it is possible to reduce the large menu scale after selecting the desired menu item by pressing the „OK“ button. In doing so, more menu content is visible and the setting, e.g. colour contrast, is highly facilitated.

5. Sat radio (only with satellite retrofit kit SER 300A):

Via the menu guide „i“ -> „Infothek“ -> „Sat-Radio“, about 40 pre-stored sat radio stations can be called up (dark picture screen, only the station name is visible). In this operating mode, the programme table can be displayed after pressing the „i“ button in order to select/change the sat radio stations.

6. Time and date:

Each time the set is powered on, the internal software clock is set when receiving a station broadcasting Teletext.

If only stations without Teletext are received after power on, no clock time can be called up. In this case, the clock and time can manually be set via „i“ -> „Installation“ -> „Time and date“.

7. AV settings:

The sets with the chassis Digi 100 provide the possibility of individually configuring all available AV programme positions. The factory settings are:

AV 1 for the connection of a Megalogic video recorder,

AV 2 for the connection of a DVD player (via RGB),

AV 3 (if available) for the connection of a VHS video recorder (a switching voltage is necessary at the Euro-AV socket Pin 8),

AV 4 for the connection of a VHS camera.

If you wish to change these presettings, you can individually configure all AV connections via „i“ -> „Installation“ -> „Connections“. In this menu, various units are preset which can be activated if they are required. A connection diagram can be displayed by pressing the yellow button.

In addition own unit profiles can be created via the menu item „Manual AV settings“. These unit profiles are indicated with „manual“ in the connection diagram. Please note that settings in the „Manual AV settings“ must correctly be effected in any case, and that preset units at AV 1, AV 2 etc. are deactivated at the same time (see connection diagram). For example, an incorrectly set time constant would result in a black/white picture with a VCR signal source.

Service Information

1. Chassis Digi 100 - Flash-Programmer FProg1,
2. Chassis CUC 21... - Service Documents

1. Chassis Digi 100 - Flash-Programmer FProg1 Additional function through software change (version 1.1)

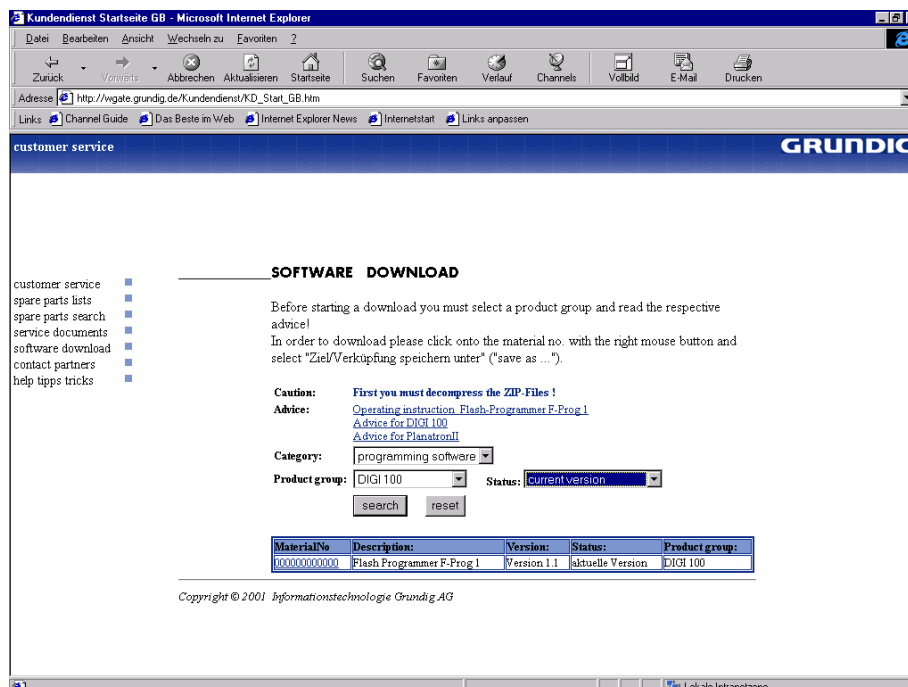
After replacing the Feature module, the unit-specific settings like colour registration, noise reduction, picture sharpness, white balance, CRT type, PIP position, picture geometry, and the customer-specific programme data must be set up.

The extension of the FProg1 software now makes it possible to read out this data and to write it into the new module.

This means a considerable decrease of expenditure of work.

For reading out and programming the operating software and the unit-specific data you need the Flashprogrammer FProg1, part no. 759880740000. Please consult for this also the Service Information "General, serial no. 01/01".

The Flash-Programmer comes with the software version 1.0. Please load the current software, version 1.1, directly from the Internet (see Online Service brochure). This is to be found under "Reseller Support", "Software Download" in the **category** "Programming software", **Product group** "DIGI 100". The updated description of the FProg1, V1.1 software is to be found under **Advice** "Operating instructions Flash-Programmer F-Prog1".



Stockkeeping: Flash-Programmer FProg1, part no. 759880740000.

2. Chassis CUC 21... - Service Documents
Service Manual 720100407000
Service Manual, 1st supplement 720100407100

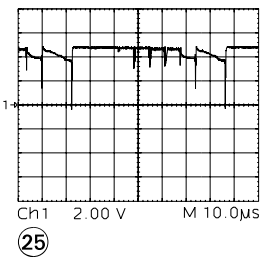
Dear business partner,

despite multiple checks of the printing data we are not immune against printing errors. For this reason please correct the above documents according to the following information.

- **Service Manual 720100407000**
The following alignment points replace the corresponding alignment points in the Service Manual, page 2-1.

Alignment	Preparations	Alignment Process
2. Tuner AGC	100MHz oscilloscope: Channel A: Tuner contact 10 or 11. Ground: Tuner Colour video generator: Feed in a colour scale (with switched-off sound carrier) via the aerial, $\geq 80\text{dB}\mu\text{V}$. Call up the dialog line "AGC" via "i" (Dialog Center) -> Service -> "OK" -> Service Code "8500".	Adjust 300mV_{pp} with button ◀ or ▶. Terminate the dialog line "End" "with mem" -> "OK".
8. Screen grid voltage U_{G2}	Colour video generator: Feed in a black test pattern. Adjust the screen brightness so that the test pattern just turns dark. High-resistance volt-meter via $220\text{K}\Omega$: Test points R, G, B (picture tube plate). Determine the test point having the highest voltage.	Use the UG2 control (splitter transformer) to adjust at the test point having the highest voltage potential a voltage of $112.5\text{V} \pm 2.5\text{V}$ for 14" picture tubes, and a voltage of $150\text{V} \pm 2.5\text{V}$ for 15"...21" picture tubes.

The following oscillogram ②⑤ replaces the oscillogram ⑦⑧ on page 3-26 (CRT plate) of the Service Manual.



- **Service Manual, 1st supplement 720100407100**
The following hint replaces the corresponding hint on page 3.

Software version number

Press the "i" button to call up the "DIALOG CENTER" menu -> OK.
Press "AUX" to display the software version number.

Service Information

Colour TV sets with the chassis CUC 2103 and CUC 2121

e.g.: P 37-4101 TOP Davio, T 55-4101 TOP Davio, T 55-4104 TOP Lemaxx

Listed below are the unit types on which the option of retrofitting a satellite retrofit kit SER 2100 has been omitted. In the new GRUNDIG main catalogue, this is not considered in the technical data. In order to distinguish the retrofit option, the version marking at the rear panel has been changed from „VNM“ (retrofitable) into „VNA“ (not retrofitable).

The following unit types are concerned::

CUC 2103

Arcance 37 P 37-2101 MV
 Davio 37 P 37-4101 TOP
 Davio 37 P 37-4101 TOP/1
 Davio 37 P 37-4101 TOP/TR
 Davio 37 P 37-4101 GB
 P 45-4101 TOP
 P 45-4101 MV/TOP
 Arcance 51 T 51-2101 MV
 Davio 51 T 51-3101 TOP
 Davio 51 T 51-3101 TOP/1
 Davio 51 T 51-3101 TOP/TR
 Davio 51 T 51-3101 MV
 Arcance 55 T 55-2101 MV
 Davio 55 T 55-4101 GB
 Davio 55 T 55-4101 MV
 Davio 55 T 55-4101 TOP
 Davio 55 T 55-4101 TOP/1
 Davio 55 T 55-4101 TOP/TR
 Leemaxx 55 T 55-4104 TOP
 S 55-806 TOP/TR

CUC 2121

Davio 55 ST 55-854/8 Dolby
 Greenville SE 5592 MV/Dolby
 Leemaxx 55 ST 55-4105 MV/Dolby
 ST 55-839/8 Dolby
 ST 55-908/8 Dolby
 ST 55-908/8 FR/Dolby
 Xentia 55 ST 55-405/8 Dolby

The units

ST 55-734 GB/Dolby and
 ST 55-934 GB/Dolby can be
 retrofitted with the „VNM“
 and „VNA“ marking. With the
 „VNX“ marking the retrofit
 option is omitted.

Workshop:

On a small number of the Davio 37 P 37-4101 TOP sets with the version identification „VNM“ (retrofitable), the processor has not been fitted with a socket but has directly been soldered in. So that the processor board can be fitted in the event of a SAT retrofitting, you must solder in an IC socket in place of the soldered-in processor.

Stockkeeping:

IC socket, 56-pin Part no. 813090012900



Serial no. 5/01

Service Information



Necessary settings after replacing the memory EEPROMs for colour TV sets with the chassis CUC 2103, 2105, 2121, and 2130

e.g.: P 37-4101 TOP Davio, T 55-4101 TOP Davio, T 55-4104 TOP Leemaxx, ST 55-854/8 Dolby

Possible complaint:

After replacing the EEPROM CIC82501 (M24C08) the set is not fully operative despite of loading the emergency data set. Especially the teletext function is restricted.

Workshop:

The following settings must be carried out after fitting a new EEPROM M24C08.

1. Loading the configuration data for the teletext decoder.	Switch the set on with the mains switch then switch it off again when the picture appears on the screen. Note: the menu display is shifted to the left!
2. Loading the emergency data set.	Press and hold down the „P-“ button on the remote control while switching the set on with the mains switch.
3. Setting the menu colours.	Set the menu item „OEM“ in the Service menu (access with the code „8500“) to „off“.
4. Geometry, white balance, AFC, and AGC alignment.	Carry out these settings according to the Service Manual.
5. Configuration of the Euro-AV socket „AV 1“	In the „AV 1“ programme position you can select between „VHS“ and „SVHS“ under the „Video“ menu item in the „Special Functions“ menu.

Note: it is absolutely necessary to keep the order of the first two points to guarantee the proper functioning of the teletext!

Stockkeeping:

SMD IC M24C08

Part no. 830596000800

Serial no. 7/01

Service Information

Number: E/08/01; e_tv081e

Burned battery socket or battery connecting cable P 37-830/12 and P 37-840/12 SAT, and equivalent units

Possible complaint:

Failure of the 12V power supply due to burned battery sockets or battery connecting cables.

Cause :

Contact resistance between the battery socket and the plug of the battery connecting cable.

Remedy:

To ensure the proper fitting accuracy, the battery socket must be replaced along with the battery connecting cable with the new version.

Stockkeeping:

Battery connection set FFS (battery socket and battery connecting cable).
Part no. 759550410700



Service Information

Number: E/09/01; e_tv091e

Damage to the bottom corners and edges of the TV sets Lenaro MFW 84 - 6110 and MFW 92 - 6110

Possible complaint:

Damage to the bottom corners and edges on the front side.

Cause:

Due to the small bottom clearance of the front trim, the corners and edges of the trim can be damaged when putting down the TV set in an inexperienced way.

Remedy:

When transporting the TV set make absolutely sure to put it always down in horizontal position and not to tilt it to the front to prevent the vulnerable corners and edges from being dented.



Service Information

Number: O/01/01; o_tv011e

TV sets with Digi 100 chassis

Possible complaint:

The TV set switches at times to standby and then after several seconds back to normal operation.

Cause:

This failure may be caused by an uncontrolled oscillation of the CVBS input and a faulty software library of the processor.

Remedy:

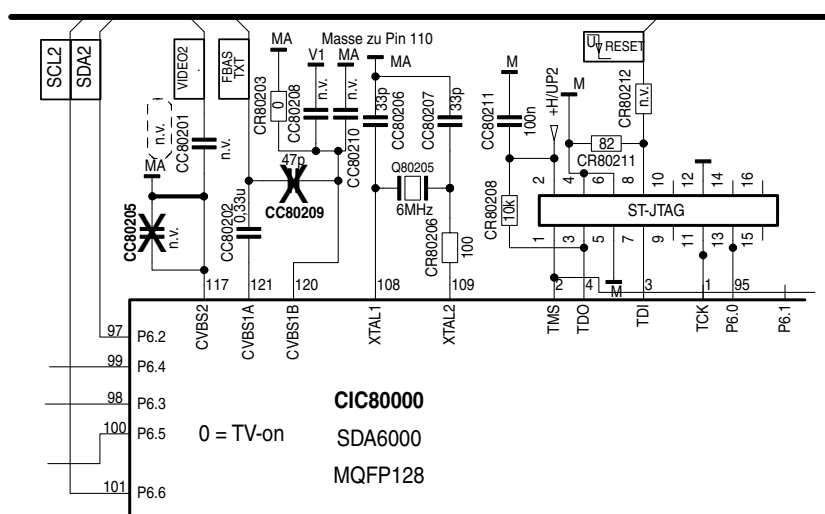
To eliminate this failure it is generally necessary to update the unit's software. For this consult the table 1 (software assignment).

- Update the operating software of the TV set. The software required can be downloaded from the Internet.
For this consult also the Service Informationen "General 01/01" and "TV 04/01" (external).

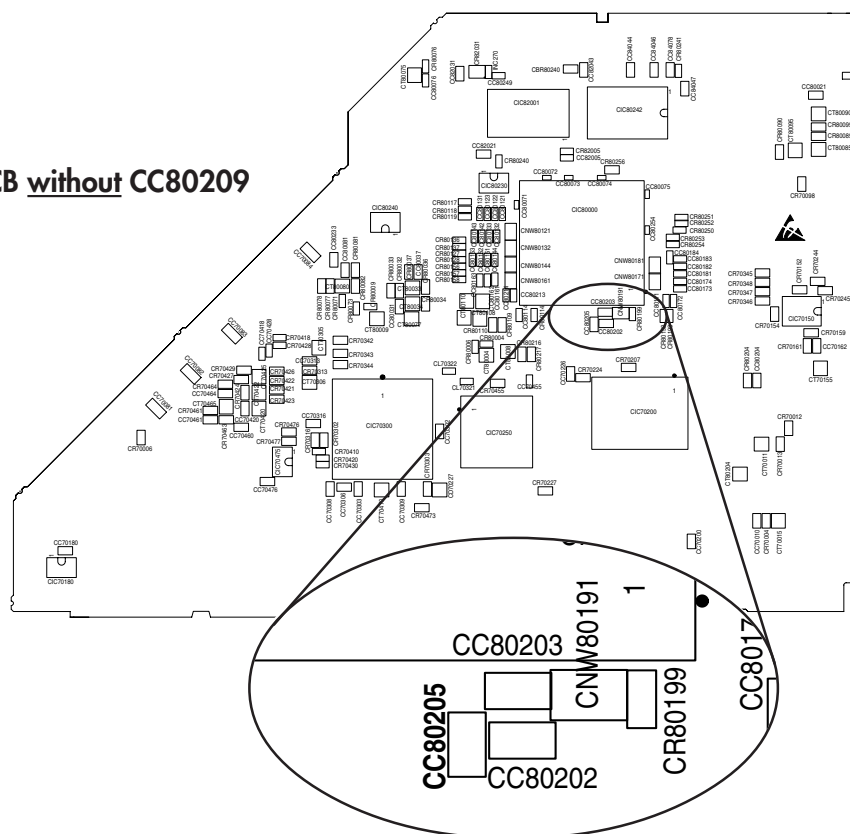
In addition it is necessary to check and change if necessary the circuit of the Feature module of older TV sets. TV sets and chassis which **do not** require a change of the circuit are listed in the tables 2 and 3. The positions of the serial numbers of the TV sets and chassis are described on page 4.

For the positions of the components concerned on the Feature module please see the circuit diagram excerpt and the PCB illustrations on page 2.

- Remove the chip capacitor CC80209 (coordinates x71/y78) if provided.
- Connect CIC80000, Pin 117 with ground (e.g. chip capacitor CC80205 (coordinates x71/y81), replace with a chip jumper, or solder in a wire bridge from Pin 117 to ground).



Version of the PCB without CC80209

[illegible]

Chip jumper (0 Ω)
Feature module with
updated software

Part no. 295042032100/2200/2300/2400/3100/3200/3300/4100/
4200/4300/4400/4600

Service Information

Number: O/01/01; o_tv011e

Table 1: Software assignment

The table below shows the unit-specific assignment of the Feature modules and the part number of the associated software, the positions marked with xxxx being variable and indicating the version (e.g. 29798111**0800**).



TV set	Feature module	Software
ARGANTO 70 MW 70-515 MV/DOLBY	295042032200	29798111xxxx
ARGANTO 82 MW 82-515 MV/DOLBY	295042032300	29798113xxxx
ATLANTA FLAT SE 7260 DOLBY	295042034300	29798117xxxx
BOSTON SE 7012 DOLBY	295042034200	29798115xxxx
DAVIO 70 ST 70-292 DOLBY	295042032200	29798111xxxx
DAVIO 70 ST 70-292/8 DOLBY	295042032200	29798111xxxx
DAVIO 70 ST 70-5210 DOLBY	295042032200	29798111xxxx
DAVIO 70 ST 70-5210/8 DOLBY	295042032200	29798111xxxx
ELEGANCE 63 ST 63-300 DOLBY	295042032200	29798111xxxx
ELEGANCE 63 ST 63-300/8 DOLBY	295042032200	29798111xxxx
ELEGANCE 70 M 70-300 DOLBY	295042032200	29798111xxxx
ELEGANCE 70 M 70-3110 DOLBY	295042032200	29798111xxxx
ELEGANCE 70 MW 70-150/8 DOLBY	295042032200	29798111xxxx
ELEGANCE 70 ST 70-300 DOLBY	295042032200	29798111xxxx
ELEGANCE 70 ST 70-300/8 DOLBY	295042032200	29798111xxxx
ELEGANCE 82 MFW 82-3110 MV/DOLBY	295042032100	29798113xxxx
ELEGANCE 82 MW 82-150/8 DOLBY	295042032200	29798111xxxx
HAMBURG SE 8240 DOLBY	295042034200	29798115xxxx
LEEMAXX 72 MF 72-9110/8 DOLBY	295042032100	29798113xxxx
M 70-879/8 DOLBY	295042032100	29798113xxxx
M 72-109 MV/DOLBY	295042032200	29798111xxxx
M 72-798 DOLBY	295042032200	29798111xxxx
M 84-212/8 DOLBY	295042032200	29798111xxxx
MW 82-3112 MV/DOLBY	295042032200	29798111xxxx
SEDANCE 70 M 70-284 DOLBY	295042032200	29798111xxxx
SEDANCE 70 ST 70-284 DOLBY	295042032200	29798111xxxx
SEDANCE 70 ST 70-284/8 DOLBY	295042032200	29798111xxxx
SEDANCE 72 M 72-2110 DOLBY	295042032200	29798111xxxx
SEDANCE 72 M 72-2110 MV/DOLBY	295042032200	29798111xxxx
ST 70-265/8 DOLBY	295042032200	29798111xxxx
ST 70-398 DOLBY	295042032200	29798111xxxx
SYDNEY SE 7240 DOLBY	295042034100	29798117xxxx
TORONTO SE 7216 DOLBY	295042034200	29798115xxxx
TORONTO SE 7216/8 DOLBY	295042034200	29798115xxxx
WIEN SE 6340 DOLBY	295042034200	29798115xxxx
XENTIA 55 M 55-420/8 DOLBY	295042032200	29798111xxxx
XENTIA 63 M 63-420/8 DOLBY	295042032200	29798111xxxx
XENTIA 70 FLAT MFW 70-430/8 DOLBY	295042032100	29798113xxxx
XENTIA 72 FLAT MF 72-430 DOLBY	295042032300	29798113xxxx
XENTIA 72 FLAT MF 72-430/8 DOLBY	295042032300	29798113xxxx
XENTIA 72 M 72-420 DOLBY	295042032200	29798111xxxx
XENTIA 72 M 72-420/8 DOLBY	295042032200	29798111xxxx
XENTIA 82 FLAT MFW 82-430/8 DOLBY	295042032900	29798121xxxx

Service Information

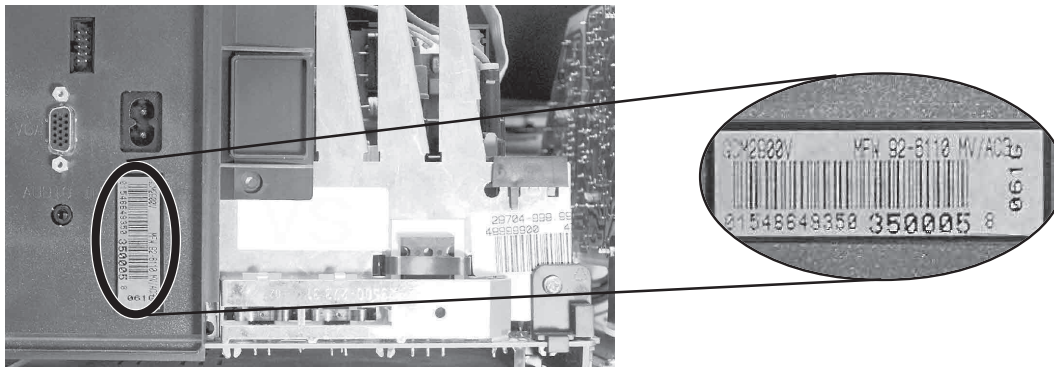
Number: O/01/01; o_tv011e

TV sets not requiring a hardware change

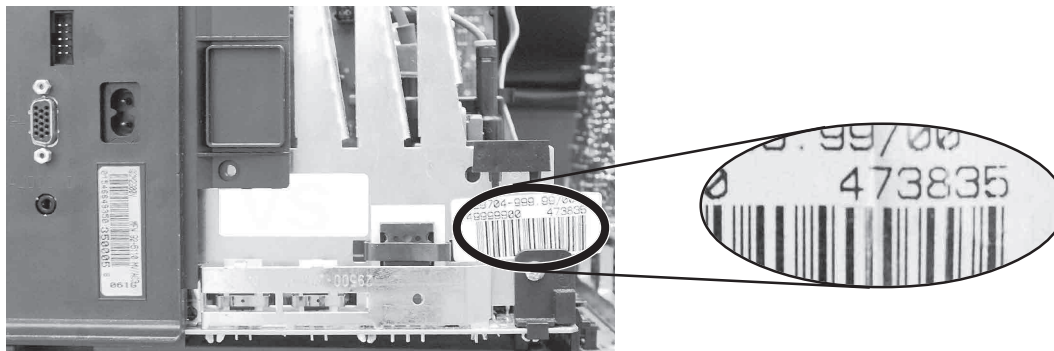
For the TV sets listed below from the indicated serial number of the TV set (Made in Austria) or of the chassis (Made in Germany) no hardware change is required.

The serial number of the TV set is to be found on the adhesive barcode label below the barcode at the rear of the set. The serial number corresponds with the positions 12 to 17 of the 18-digit paging code.

Example: XX XXXXX XXXX **111111** X.



The serial number of the chassis is to be found at the right chassis side after removing the rear panel.



Service Information

Number: O/01/01; o_tv011e

Table 2: TV set production „Made in Austria“

Unit type	Order number	Chassis name	from unit serial number
Boston SE 7012 DOLBY	GCI2375	CUC 1837	500001
Boston SE 7012 DOLBY	GCI2324	CUC 1837	500001
ELEGANCE 70 M 70-300 DOLBY	GCK9742	CUC 1837	510800
ELEGANCE 70 M 70-3110 DOLBY	GCN6400	CUC 1837	500001
ELEGANCE 70 MW 70-150/8 DOLBY	GCI9142	CUC 1934	500001
ELEGANCE 70 ST 70-300 DOLBY	GCM8310	CUC 1837	502300
ELEGANCE 70 ST 70-300 DOLBY	GCM8300	CUC 1837	507700
ELEGANCE 70 ST 70-300/8 DOLBY	GCL0692	CUC 1837	500300
ELEGANCE 70 ST 70-300/8 DOLBY	GCL0600	CUC 1837	500300
ELEGANCE 70 ST 70-300/8 DOLBY	GCL0642	CUC 1837	509300
M 70-879/8 DOLBY	GCM5100	CUC 1837	504700
M 72-109 MV/DOLBY	GCM5300	CUC 1838	501700
M 72-798 DOLBY	GCM5200	CUC 1838	501600
SEDANCE 70 ST 70-284 DOLBY	GCK6500	CUC 1837	500700
SEDANCE 70 ST 70-284 DOLBY	GCK6592	CUC 1837	507400
SEDANCE 70 ST 70-284/8 DOLBY	GCK6675	CUC 1837	501300
SEDANCE 70 ST 70-284/8 DOLBY	GCK6692	CUC 1837	503800
SEDANCE 72 M 72-2110 DOLBY	GCM2700	CUC 1838	504130
SEDANCE 72 M 72-2110 MV/DOLBY	GCM1900	CUC 1838	501000
ST 70-265/8 DOLBY	GCM5400	CUC 1837	501450
ST 70-398 DOLBY	GCM3300	CUC 1837	501500
Sydney SE 7240 DOLBY	GCM5710	CUC 1838	500001
Sydney SE 7240 DOLBY	GCM5700	CUC 1838	500001
Toronto SE 7216/8 DOLBY	GCK6775	CUC 1838	500001
Wien SE 6340 DOLBY	GCM5500	CUC 1837	504100
XENTIA 63 M 63-420/8 DOLBY	GCI8300	CUC 1837	500001
XENTIA 63 M 63-420/8 DOLBY	GCI8377	CUC 1837	504300

Table 3: TV set production „Made in Germany“

Unit type	Order number	Chassis name	Chassis part number 29704011	from chassis serial number
ARGANTO 70 MW 70-515 MV/DOLBY	GCM5800	CUC 1934	3700	000001
ARGANTO 82 MW 82-515 MV/ DOLBY	GCM5900	CUC 1935	3300	000051
Atlanta Flat SE 7260 DOLBY	GCK6475	CUC 1838	2200	000001
Boston SE 7012 DOLBY	GCI2375	CUC 1837	1600	007586
Boston SE 7012 DOLBY	GCI2324	CUC 1837	1600	007586
DAVIO 70 ST 70-292 DOLBY	GCI8572	CUC 1837	2500	010106
DAVIO 70 ST 70-292/8 DOLBY	GCI8472	CUC 1837	0200	001556
DAVIO 70 ST 70-292/8 DOLBY	GCI8452	CUC 1837	0200	001556
ELEGANCE 70 MW 70-150/8 DOLBY	GCI9142	CUC 1934	1000	005291
ELEGANCE 82 MW 82-150/8 DOLBY	GCI9200	CUC 1935	1100	008903
ELEGANCE 82 MW 82-150/8 DOLBY	GCI9242	CUC 1935	1100	008903
ELEGANCE 82 MW 82-150/8 DOLBY	GCI9292	CUC 1935	1100	008903
ELEGANCE82Flat MFW 82-3110 MV/DOLBY	GCL8540	CUC 1935	1900	004181
Hamburg SE 8240 DOLBY	GCL7900	CUC 1935	2300	001556
M 84-212/8 DOLBY	GCI9090	CUC 1839	1700	002451
MW 82-3112 MV/DOLBY	GCM9800	CUC 1935	3600	000751
Sydney SE 7240 DOLBY	GCM5710	CUC 1838	2600	005251
Sydney SE 7240 DOLBY	GCM5700	CUC 1838	2600	005251
Toronto SE 7216 DOLBY	GCK6875	CUC 1838	3900	007016
XENTIA 72 Flat MF 72-430 DOLBY	GCL6777	CUC 1838	0400 / 2000	000021 / 000001
XENTIA 72 M 72-420 DOLBY	GCL6977	CUC 1838	0600	009251
XENTIA 72 M 72-420/8 DOLBY	GCL7077	CUC 1838	0700	001751

Service Information

Number: O/02/01; o_tv021e

TP 750/715 and equivalent units

Possible complaint:

Missing hints to battery polarity in battery compartment.

Remedy:

Insert the batteries as shown in the figure below.



Service Information

Number: O/03/01; o_tv031e

ST 70-2103 SAT retrofitting not possible

Cause:

Plug base ST-V3 missing on several chassis.

Remedy:

Retrofit the plug base ST-V3 (5-pin), part no. 293038700500.

Stockkeeping:

Plug base ST-V3 (5-pin), part no. 293038700500

