



GRUNDIG

**SERVICE
INFORMATION
BULLETINS
1999**



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TV

Sorted by type of chassis

CUC 1805 (Digi Basic)		CUC 1842 (Digi 6)	
Serial no. 3/99	11	Serial no. 3/99	11
CUC 1806 (Digi Basic++)		CUC 1894 (Digi 6)	
Serial no. 2/99	10	Serial no. 3/99	11
Serial no. 3/99	11	CUC 1929 (Digi Basic++)	
CUC 1825 (Digi Basic)		Serial no. 2/99	10
Serial no. 3/99	11	Serial no. 3/99	11
CUC 1826 (Digi Basic+)		Serial no. 5/99	13
Serial no. 3/99	11	CUC 1952 (Digi 6)	
CUC 1827 (Digi Basic+)		Serial no. 3/99	11
Serial no. 3/99	11	CUC 1983 (Digi 6)	
CUC 1828 (Digi Basic++)		Serial no. 3/99	11
Serial no. 2/99	10	CUC 1984 (Digi 6)	
Serial no. 3/99	11	Serial no. 3/99	11
Serial no. 5/99	13	CUC 6365	
CUC 1829 (Digi Basic++)		Serial no. 1/99	9
Serial no. 3/99	11	CUC 6331	
Serial no. 5/99	13	Serial no. 1/99	9
CUC 1830 (Digi Basic++)		CUC 7303	
Serial no. 2/99	10	Serial no. 4/99	12
Serial no. 3/99	11		
Serial no. 5/99	13		
CUC 1836 (Digi Basic++)			
Serial no. 2/99	10		
Serial no. 3/99	11		
Serial no. 5/99	13		

Service Information

Product **RR 430 CD**

Possible complaint:

The contacts (7-5) of switch SW 201B become charred so that they do no longer contact.

Reason:

The switching contact provides the voltage for both the CD servo system and the audio power amplifier.

Cure:

Connect the emitter of Q 201 directly to the voltage supply. The switch is only used for controlling the base current which is much lower than the emitter current. Fig. 1 (see page 2)

Introduction at the factory:

White version:	from serial number	037000
Green version:	from serial number	026000
Yellow Sina:	from serial number	000001
Blue Kenta:	from serial number	000001

Workshop:

For repair: Fig. 2 (see page 2)

- a) Replace the slide switch.
- b) Disconnect the emitter of Q 201 from the circuit board using a wire cutter (or soldering iron).
- c) Solder a stranded wire (length=50 mm) to the emitter of Q 201 and insulate the solder joint with a piece of tube.
- d) Solder the other end to the jumper JP 208.
- e) Check the radio receiver and re-assemble it.

Stores:

SW 201, part no. 75955 010 0500

HIFI
AUDIO

Serial No. 1/99

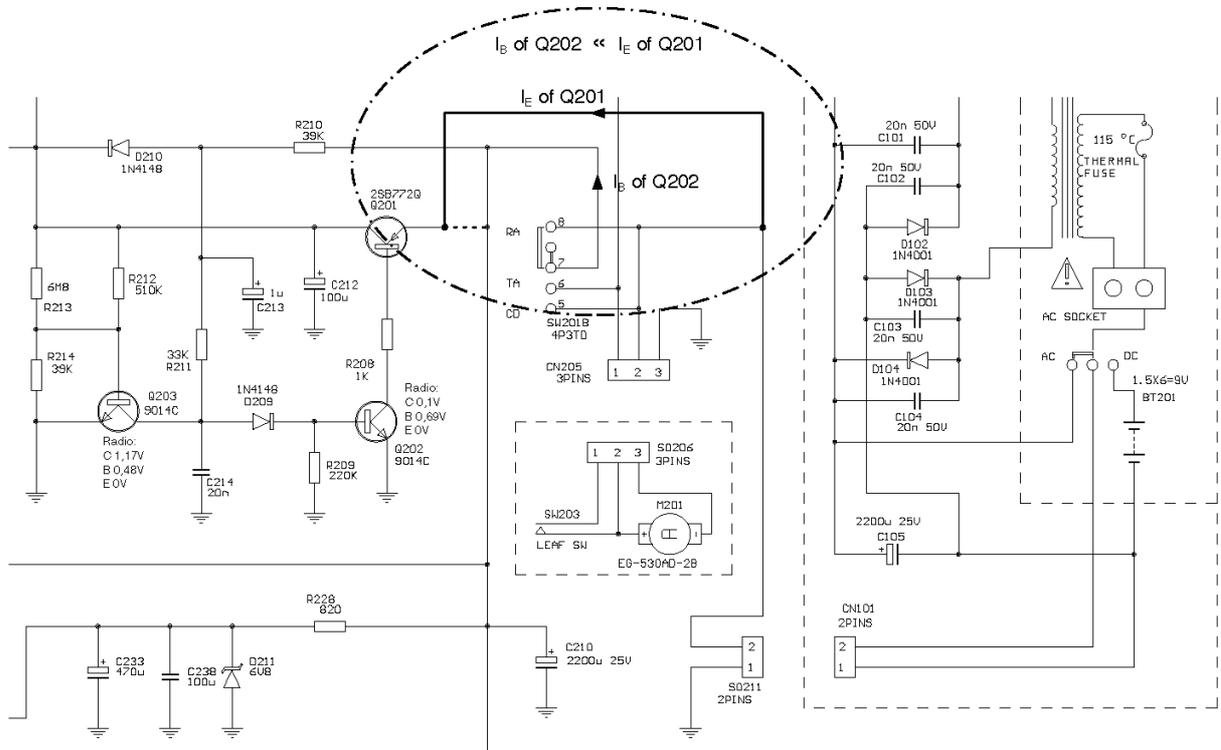


Figure 1

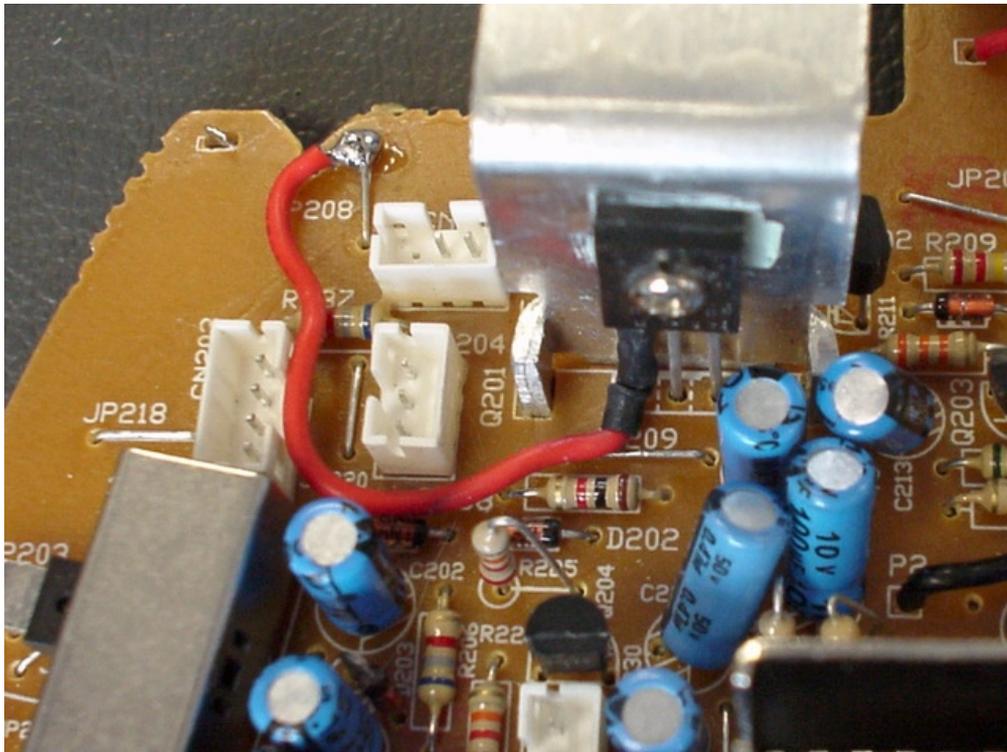


Figure 2

Service Information

Product **RR 630 CD, RR 660 CD, RR 720 CD, RR 760 CD**

Possible complaint:

Cassette compartment door jams or does not open.

Reason:

1. When applying too much pressure when closing the cassette compartment door, the door may get jammed at the lower edge of the cabinet front below the display window.
2. Due to the tolerable differences in the length of the Play button lever it may happen that the lever slips out of its guide thus blocking the eject mechanism. All other functions work correctly.

Cure:

To 1: Modification of the cabinet front.

To 2: Lengthened Play button lever by putting a metal clip on it.

Introduction in the factory:

1 and 2: at the end of August/99

Workshop:

To 1: Replace the cabinet front if necessary.

- To 2:
1. Open the cabinet on the back.
 2. Undo the screws of the tape deck.
 3. Take the tape deck out.
 4. Put the metal clip on the Play button lever.
 5. Re-assemble the receiver.

Stores:

Cabinet front parts:

Strato silver, part no. 75955 005 4400

Green metallic, part no. 75955 007 5800

Blue metallic, part no. 75955 007 5100

Metal clip, part no. 75955 007 8800

AUDIO / HIFI

Serial No. 2/99

Service Information

Product: **WKC 3300 RDS, WKC 3301 RDS, SCD 3390 RDS**

Possible complaint:

Occasionally no sound from the rear loudspeakers.

Reason:

The above mentioned types of car radios switch the output stages off automatically when reaching a certain temperature threshold to avoid thermal damage.

The period of time after which the output stages are switched off depends mainly on the volume setting and the temperature within the car.

As soon as the car radio has cooled down, e.g. by reducing the volume level, the rear channels are automatically switched on again.

Cure:

Since this behaviour of the radios is not a fault but a built-in safety function, we would ask you to inform your customers accordingly when complaints are received.

Workshop:

Please note when complaints are received.

CAR AUDIO

Serial No. 1/99

Service Information

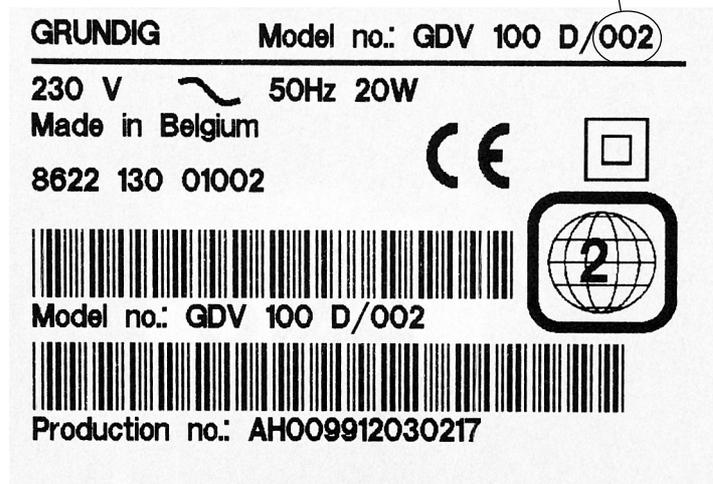
GDV 100 D

Changed version of DVD Player GDV 100 D

Both versions of the GDV 100 D Player are identifiable outside only by the label (on the rear side).

DVD

earlier version GDV 100 D
new version GDV 100 D/002



Important:

The two versions of the GDV 100 D Player work internally with different operating voltages. This is especially critical because the modules of both versions fit mechanically into each other.

When replacing modules take care to use only the appropriate modules for the version.

Stores:

Service Manual GDV 100 D	part no. 72010 531 9500
Service Manual GDV 100 D/002	part no. 72010 531 9600

Serial No. 1/99

Service Information

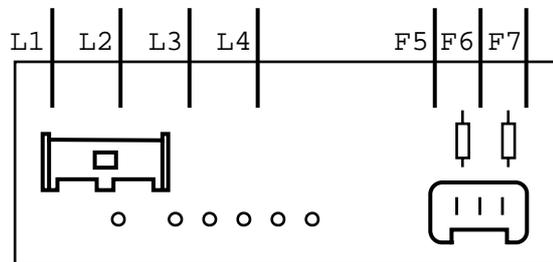


New type of picture tube for 72cm colour television receivers with chassis CUC 6365 / 6331

The picture tubes A 68 ESF 002X11, A 68 ESF 002X011 (without coating) and A 68 ESF 202X11, A 68 ESF 202X011 (with coating) fitted into television receivers with above mentioned chassis are no longer available. These picture tubes are not fully compatible with the replacement tubes A 68 ESF 002X111 / A 68 ESF 202X111.

- changed yoke connections:

The figure below shows the connections of the deflection unit for the new picture tubes A 68 ESF 002X111 and A 68 ESF 202X111.



- L1 - red yoke connecting lead (horizontal)
- L2 - black yoke connecting lead (horizontal)
- F5 - green yoke connecting lead (vertical)
- F7 - white yoke connecting lead (vertical)

The different types of chassis require additionally the following changes:

CRT fitted in the TV set

Changes when fitting the replacement tube

<p>A 68 ESF 002X11 A 68 ESF 202X11</p>	<p>A 68 ESF 002X111 A 68 ESF 202X111 An existing seagull correction board is to be removed. The yoke connecting leads are soldered directly to the deflection unit (see figure).</p>
<p>A 68 ESF 002X011 A 68 ESF 202X011</p>	<p>A 68 002X111 A 68 202X111 No change. Connect the picture tube as shown in the figure.</p>

Serial No. 1/99

Service Information

Colour television receivers with Digi Basic++ chassis - CUC 1806, 1828, 1830, 1836, 1929

e.g. ST 70-869 IDTV/LOG, M 70-281 IDTV/LOG, M 63-281 IDTV/LOG, ST 70-270 IDTV



Possible complaint:

Pronounced rattling noise.

Reason:

1. Magnetic radiation from the deflection yoke to the AF branch circuit.
2. The line interference suppression chokes may be in contact with the metal screen causing vibrations.

Cure:

to point 1

Change the following resistors within the AF output stage:

Picture tube	CR 40013 (0805)	CR 40023 (1206)	CR 40012/ CR40022(0805)
55cm (21") PHI	to 150 Ω	to 180 Ω	to 2.2 k Ω each
63cm (25") PHI	to 150 Ω	to 180 Ω	to 2.2 k Ω each
70cm (28") PHI	to 150 Ω	to 180 Ω	to 2.2 k Ω each
72cm (29") PHI	to 150 Ω	to 180 Ω	to 2.2 k Ω each
82cm (33") PHI 16:9 PHI	to 150 Ω	to 180 Ω	to 2.2 k Ω each

to point 2

Unsolder the metal screen and the line interference suppression choke and insert a suppression choke with part no. 29500 834 9700. Since this choke is fitted with an additional compensating coil, the metal screen is no longer necessary.

Stores:

Line interference suppression choke part no. 29500 834 9700

Serial No. 2/99

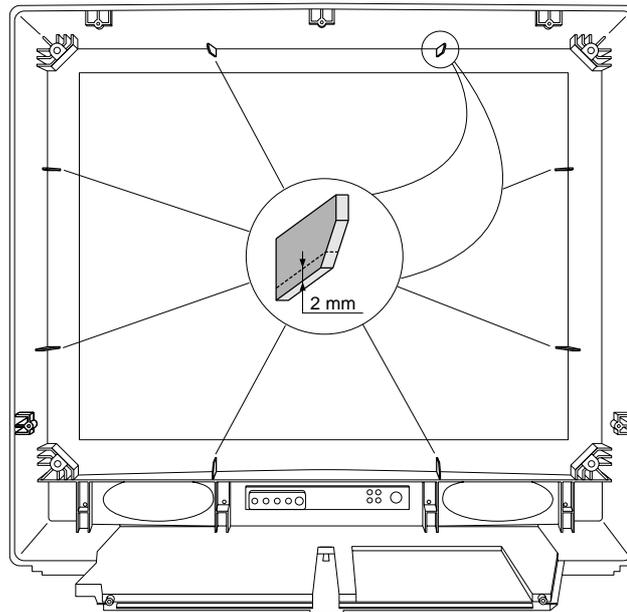
Service Information

TV

1. Colour television receivers ST 84-796/9 TOP/LOG, M 84-210/8 IDTV/LOG, M 84-210/8 A IDTV/LOG

The picture tubes A80 EFF 002X11 (ST 84-796/9 TOP/LOG) and A80 EFF 002X42 (M 84-210/8 IDTV/LOG, M 84-210/8 A IDTV/LOG) fitted to a.m. models are no longer available. These tubes are mechanically not fully compatible with the replacement tubes A80 EFF 272X11 / A80 EFF 272X43.

Due to the slightly larger overall dimension, the picture tube touches the fixing ribs within the cabinet. Consequently, when changing the tube, these ribs must be cut by about 2mm (see figure).



Stores:

CRT A80 EFF 272X11 part no. 8300 0208 0500 (50Hz version)
 CRT A80 EFF 272X43 part no. 8300 0208 0600 (100Hz version)

2. Satellite Retrofit Kit SER 150 ET for chassis CUC 1805, 1825, 1826, 1827 (Digi Basic), 1806, 1828, 1829, 1830, 1836 (Digi Basic++), 1929, 1952, 1983, 1984, 1894 and 1842 (Digi 6)

From now on, the SER 150 ET Retrofit Kit will be delivered without the EPROMs previously enclosed with the delivery for TV sets with Digi 6 and Digi Basic TV chassis.

The TV sets have already been provided with a software covering all the functions of the SER 150 ET since 4/97. As a result, the EPROM of the currently delivered TV sets needs not to be exchanged. Should you receive a TV set manufactured before 1997 for retrofitting, check the software version (call up the version pressing the buttons „i“ -> „OK“ -> „AUX“). If the version for the chassis:

CUC 1805, 1825, 1826 and 1827 (Digi Basic) is lower than 19798-300.20, and for the chassis Digi 6 CUC 1842, 1894, 1984, 1952 and 1983 is lower than 19798-311.20, the EPROM needs to be replaced. The EPROM of TV sets with Digi Basic++ needs not to be replaced.

The required IC is available from the Central After-Sales Service under part number 19798 300 2400 (Digi Basic) or 19798 311 4700 (Digi 6).

Serial No. 3/99

Service Information

1. **Colour television sets with chassis CUC 7303 and 45 cm Samsung or 51 cm Samsung/Videocolor picture tubes - e.g. P 45-830 text, P 45-847 FR/text, T 51-720 text, T 51-731 text, T 51-071, T 51-732/4 text, T 51-732/5 text**

Possible complaint:

No operation - failure of the switched mode power supply (transistor / drive-IC / other components).

Cause:

Due to tolerances of the mains transformer 29201 513 9700 the collector current of transistor T 665 (MJF 1800) may reach limit values and consequently cause the power supply to fail.

Cure:

On replacement of the defective components change additionally the resistor R 666 from 0.82 Ohm to 0.91 Ohm. As a result limitation of the collector current is activated earlier so that the limit values will not be exceeded.

Workshop:

Carry out this change when the power supply unit fails.

Stores:

Resistor 0.91 Ohm part no. 8765 0980 0000

2. **Colour television sets with chassis 7303 - e.g. P 37-071, P 37-731 text, P 45-731 text, T 51-720 text, T 51-732/5 text**

Possible complaint:

Failure of vertical output IC TDA 3653.

Reason:

Static discharges to the deflection windings.

Cure:

1. For protecting the IC, change the capacitor C422 from 47nF to 0.1µF/100V.
Note: This 47nF capacitor is not inserted in all television receivers with 37cm Philips picture tube. However the circuit board is prepared for later insertion of this capacitor.
2. Solder an additional diode BAV 21 on to the foil side from the negative terminal of the electrolytic capacitor C412 to pin 5 (cathode to pin 5) of the vertical output IC TDA 3653.

Workshop:

Carry out this change when the vertical output stage failed.

Stores:

Diode BAV 21 part no. 8309 200 02100



Serial No. 4/99

Service Information

Product: **Colour television receivers with Digi Basic++ chassis, e.g. Sydney 100 SE 7020, Sydney 100 SE 7021, MW 82-50/8, M 70-290 IDTV Davio, M 84-211/8 IDTV**

Possible complaint:

Economy mains switch is not reliably released - release relay flutters.

Reason:

Relay current is too low to release the economy mains switch because of the lower upper limit voltage (+Eco) of the new Standby mains stage 29304 050 8200.

Cure:

Change the resistor R81503 (either inserted in the keyboard control or the mains switch board dependent on the type of TV set) from 22 kOhm to 15 kOhm.

Workshop:

Carry out on request.

Stores:

Resistor 15 kOhm, part no. 8700 011 30100.



Serial No. 5/99

Service Information

Satellite Receiver STR 622 Twin

Possible complaint:

No operation.

Reason:

Failure of diode D1736 within the power supply unit, consequently no +5V/D supply voltage.

Cure:

Replace the version D1736 (BYV 10-40) with wire leads and the diode connected in parallel in part of these satellite receivers by the 3A diode type 1N5822.

Workshop:

Carry out on request.

Stores:

Diode 1N5822 part no. 8309 2203 4000

SAT

Serial No. 1/99

Service Information

SAT

1. Satellite Receiver STR 7100

Possible complaint:

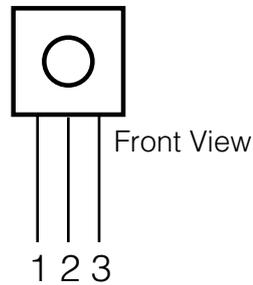
The Satellite Receiver switches occasionally over to another programme position or to Standby.

Reason:

The IR 100 (RPM 671) infra-red receiver starts to oscillate occasionally.

Cure:

Solder an additional 1 μ F/16V electrolytic capacitor between +5V- (pin 3) and ground (pin 2) on the solder side of the IR 100 infra-red receiver.

**Workshop:**

Carry out on request.

Stores:

IR receiver RPM 671 part no. 75954 705 3800

2. Correction of Service Information SAT 1/98

Inadvertently, a wrong designation of the transistor to be fitted additionally has been written on the circuit diagram. The designation of the PNP transistor must read BC 558 B (as shown on the extract of the circuit board figure).

Stores:

BC 558 B part no. 8302 201 57900

Serial No. 2/99

Service Information

New Generation of Cassettes for the Head Stations STC 880/80, STC 1200 and STC 332

Since April 1999 the series 8 cassettes have been replaced gradually by the new series 3 types.

The differences between series 3 cassettes and their preceding types are as follows:

1. Introduction of the 5V technology to reduce the power consumption.
2. Application of a new generation of modulators.
3. Improved S/N ratio of the individual cassette resulting in an improvement of the total system and allowing to cascade more amplifiers.
4. Mechanically shortened fixing rail. The delivery includes an extension clip to fasten the cassette to the STC 880.

Overview of the new series 3 cassettes:

Cassette	Function	Replacing	Software Version STC 1200	Software Version STC 880/80
HRM 331	TWIN-SAT-Cassette, conversion to C2-C4 or S3-S24 incl. C5-C12	HRM 861 HRM 858A	03	27
HRM 333	TWIN-SAT-Cassette, conversion to S3-S24 incl. C5-C12	HRM 883	03	cannot be used for STC 880/80
HRM 333 A	TWIN-SAT-Cassette, conversion to S3-S24 incl. C5-C12	HRM 883	03	27
HRM 334	TWIN-SAT-Cassette, conversion to S21-S41	HRM 854	03	27
HRM 335	TWIN-SAT-Cassette, conversion to C21-C69	HRM 864 HRM 866	03	cannot be used for STC 880/80
HRM 335 A	TWIN-SAT-Cassette, conversion to C21-C69	HRM 864 HRM 866	03	27
HRM 325	UKW-Cassette, frequency range 87-108 MHz	HRM 825	01	01
HRM 395	Terr. TWIN-Cassette, conversion to C21-C69		04	27
HDM 303 P	Dig. Cassette (QPSK-PAL), conversion of a dig. programme to S3-S30 incl. C5-C12	HDM 100 P	01	25
HDM 305 P	Dig. Cassette (QPSK-PAL), conversion of a dig. programme to C21-C69		03	27
HDM 314 C	Dig. Cassette (QPSK-QAM), conversion of a transponder to S21-S41	HDM 100 C	01	25

SAT

Serial No. 3/99

Application of the new cassettes is possible provided that the software version of the keyboard control processor is \geq "27" for STC 880/80 Head Stations or \geq "03" for the STC 1200 Head Station. The STC 332 Head Station is ready right from the series start (software version "10") for operation with the new cassettes.

The software version can be called up by pressing any two keys on the keyboard panel simultaneously. In this mode, all pixels of the display will be driven first (display dark). Subsequently, the version number appears on the display. The last two figures of this number indicate the software version ("I x 01-306.27").

Stores:

STC 880/80

Keyboard control processor

part no. 19798 306 2700

Keyboard control (STC 880)

29501 079 0300 in future only with keyboard processor

part no. 19798 306 2700

STC 1200

Keyboard control processor

part no. 23798 001 0400

Keyboard control (STC 1200)

23400 001 0900 in future only with keyboard processor

part no. 23798 001 0400