

Instruction manual
for
NSM Phonographs

FLOOR SERIES A
ESVI-technology

part-no.: 180 144

Phonograph type list:

COSMIC BLAST



For quick orientation

Who should use this manual?

- This manual is made for the operator of the phonograph. It guides him through the installation and normal operation of it.

How can I operate this appliance without risk of hazard?

- Regard the safety instructions - see page 1-1.

How can I quickly find my way through this manual?

- Read this page.
- See table of contents on the following page.
- See catchword register at the end of this manual.

How can I change single CDs?

- Via inserting it into the magazine - see page 4-6.

How can I change many CDs at a time?

- By changing a whole magazine - see page 4-6.

What to do in case of disturbances?

- See page 5-1.
- See page 7-5 (Service, Hot-line).

How can I power-on the phonograph?

- See page 4-1 (Set-up) and 3-1.

Are there options available for this phonograph?

- A list of available options is included within the "Spare parts list" – see page 6-2.

How can I program individual settings to the phonograph?

- See Attachment B: "Service Program ES VI-technology".

Document conventions

The following symbols are used to graphically identify residual risks of this product :

Symbol:



Meaning:

This symbol indicates that a dangerous voltage constituting a risk of electric shock is present within this unit

This symbol indicates that there are important operating and maintenance instruction in the literature accompanying this unit

Caution: Disregarding the following message may cause personal damage!

Notes: The following information simplifies the usage of this product.

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1 Important Safety Instructions

Read these instructions.

Keep these instructions.

Heed all warnings.

Do not use the apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with manufacturer's instructions.



Secure installation: Installation of this appliance must be carried out only by qualified and authorized technicians or NSM service staff.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Use only with the cart, stand, tripod, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



Unplug this apparatus during lightning storms or when unused for long periods of time.

Repair:

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Repair must be carried out only by the NSM service staff, or by qualified and authorized service staff.

Warning:

To reduce risk of fire or shock hazard, do not expose this appliance to rain or moisture.

Intended use

The phonograph is exclusively determined to play audio CDs according to the red book standard.

Any other usage apart from this is regarded as not intended.

The technology of the NSM phonograph corresponds to the state of the art and is very reliable when operating.

Improper use of the phonograph may cause residual risks if it is operated or used by non-authorized persons.

Any person who is engaged to operate the phonograph has to read and to understand this instruction manual, especially these safety instructions.

Residual risks



Warning:

In this manual residual risks are marked as follows:

Disregarding the safety messages following “Warning“ can cause material damage (damage of parts).



Caution:

Disregarding the safety messages following “Caution“ can cause personal damage.

Ban of arbitrary reversions and changes

The phonograph must not be changed in construction or concerning safety regulations.

Any change will lead to the exclusion of liability of NSM concerning the resulting damages. Especially defective parts must be replaced only by original spare parts of NSM.

Caution:

Disassembling parts and changing of any adjustments, apart from those specified within this manual, may result in exposure to hazardous laser radiation.

**CLASS 1
LASER PRODUCT**
According to IEC 825

This product is a Laser Class 1 device. Disk access is carried out by using a laser beam. The laser doesn't represent any risk for the user.

This product complies with the DHHS Rules 21CFR chapter 1, subchapter J, applicable at the date of manufacturing. Accession number: 9520184

Explanation of Graphical Symbols



This symbol indicates that a dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit

1.1 Safety precautions



Set-up: Before you connect this unit to the mains, please check your mains voltage and compare it with the setting of the unit. If your mains voltage does not correspond to the mains voltage setting of the unit, please change the setting according to the instructions in this manual. →Refer to chapter 4.



Fire damages: To reduce risk of fire or shock hazard, do not expose this appliance to rain or moisture.



Opening device: To prevent electrical shock, remove power cord before opening this appliance!



Caution: Replace fuses only with same type and values!



Fire prevention: Position the appliance near to the wall outlet of the mains voltage. On fire risk or other disturbances pull out plug immediately.



Heat build-up in the appliance: Take care that the ventilation holes in the rear of the appliance are not covered.



Save the environment:
The Central Unit of this appliance is equipped with a battery buffered SRAM (IC21). Please take care to put this SRAM as toxic waste to the special waste dump for disposal.



Caution:

Danger of explosion if battery is incorrectly replaced.
Replace only with same or equivalent type.

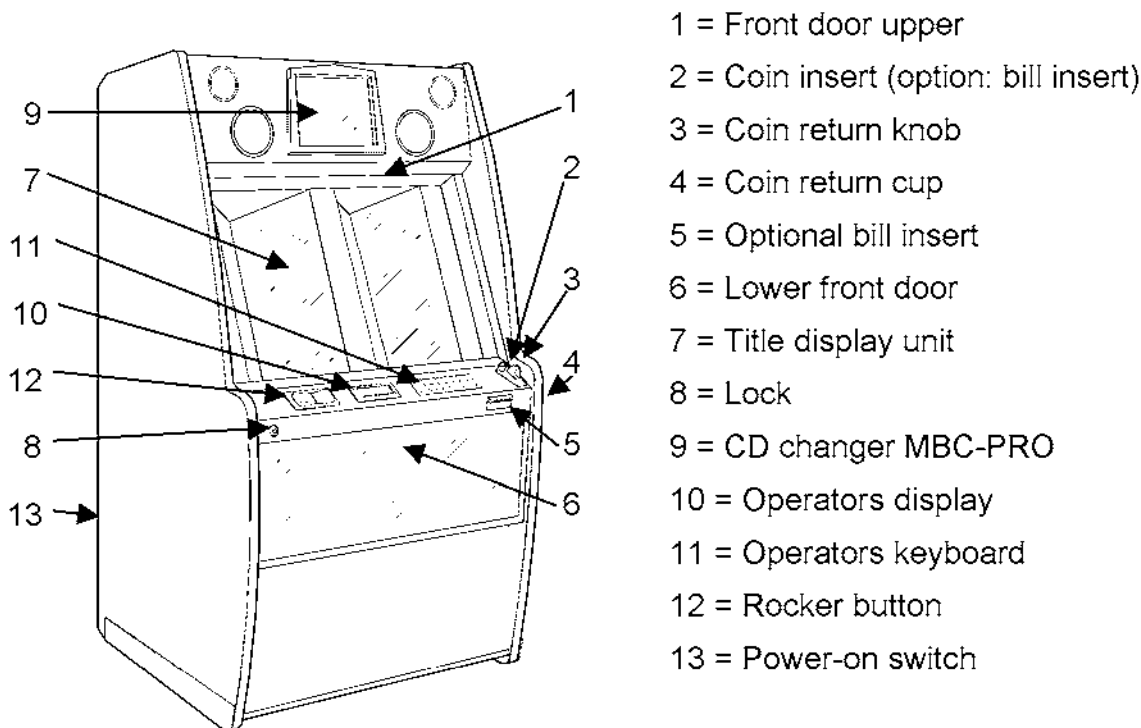
2 General survey of the unit

This phonograph is equipped with a CD changer MBC III-PRO capable of storing up to 50 CDs in one magazine.

The magazine can be exchanged without much difficulty. The change of CDs is comfortably made with CD-tray inside the magazine.

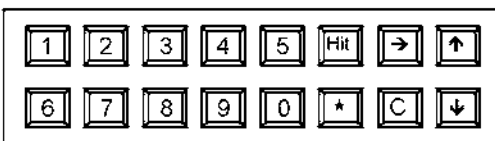
The basic functions are controlled manually via the keyboard and the LCD-display in the operators panel.

2.1 Survey of front side



- 1 = Front door upper
- 2 = Coin insert (option: bill insert)
- 3 = Coin return knob
- 4 = Coin return cup
- 5 = Optional bill insert
- 6 = Lower front door
- 7 = Title display unit
- 8 = Lock
- 9 = CD changer MBC-PRO
- 10 = Operators display
- 11 = Operators keyboard
- 12 = Rocker button
- 13 = Power-on switch

2.2 Keyboard of the phonograph



The phonograph is equipped with a 2 x 8 keyboard. With the keyboard you may enter pre-operational commands or commands and data while operating the phonograph.

The functions of the keys are:

1 to 0 = numeric input, e.g. title selection

Hit = to show hitparade

→ ↑ ↓ = to move cursor on display/ to swap display pages in service mode

***** = changing display mode during "Service operation"

C = to cancel input

2.3 Display of the phonograph

The LCD-display will give you information about the actual status of the phonograph.

The display is separated into three sections:



first line = information line

middle area = message window

last line = Command line / "Help messages"

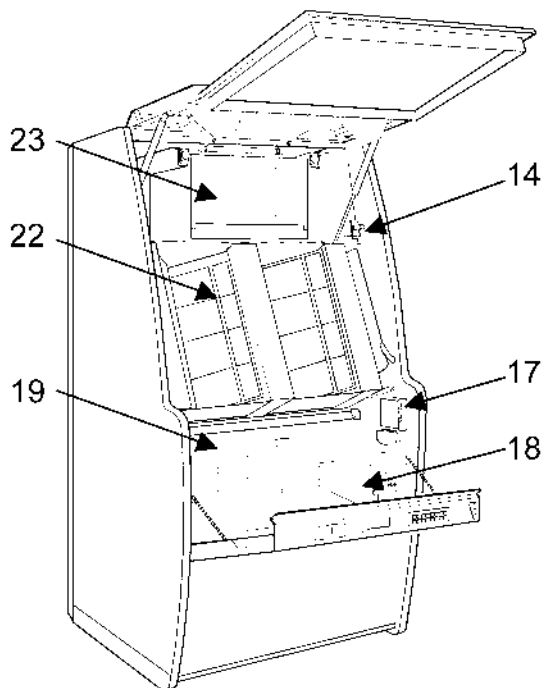
It is also possible to program customer specific information to be displayed on the LCD. Refer to the attached service program manual.

Note:

The messages shown on the display are depending on the functional state of the phonograph. They will have different meaning during "Service mode".

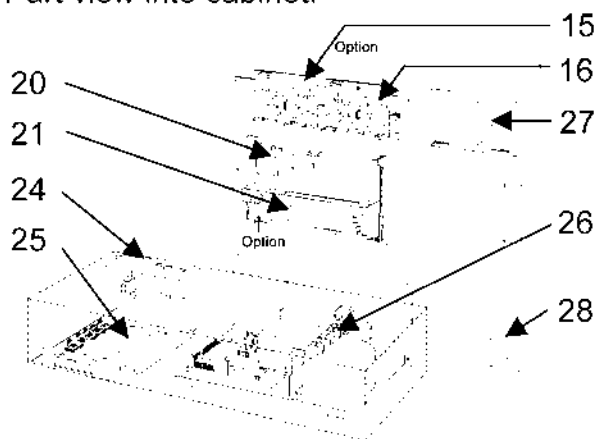
2.4 Survey of the inner components

Inside the phonograph you will additionally locate the following:



- 14 = Service switch to enter service mode
- 15 = Amplifier (module A) (behind title display)
- 16 = Optional amplifier (module B) (behind title display)
- 17 = Coin acceptor
- 18 = Cash box
- 19 = Electronic ballast and power supply (behind cover)
- 20 = Central unit ESVI board (behind title display)
- 21 = Interface board (behind title display)
- 22 = Title display unit
- 23 = CD changer MBCIII-PRO
- 24 = Additional 120V-socket
- 25 = Electronic ballast
- 26 = Power supply
- 27 = Cross-over network
- 28 = Cable outlet in cabinet rear wall

Part view into cabinet:



Within the left hand rear corner of the power supply shielding you may locate an additional connection socket for 120V-appliances (24). This is to connect the light box animation option.

Caution:

Line voltage connector! Do not contact the taps of this connector while phonograph is connected to the mains voltage.

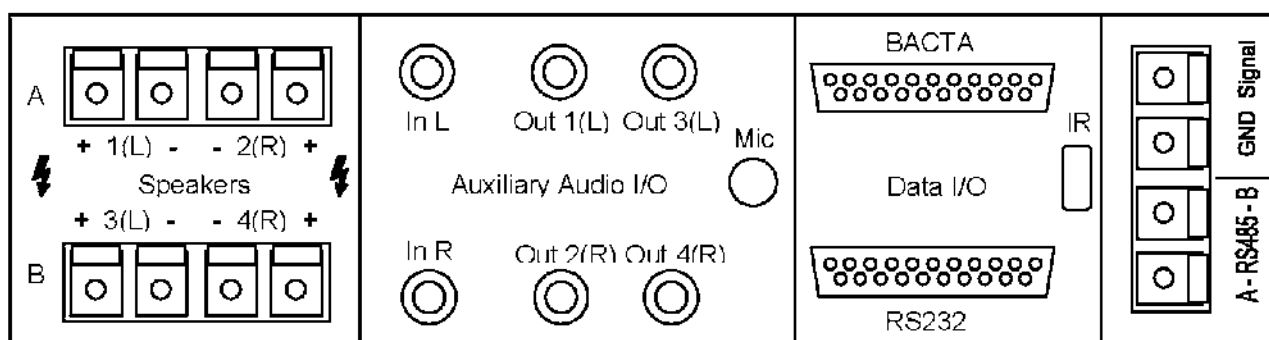
Warning:

Only connect appliances with power rating up to 100W!

2.4.1 Survey of the interface board

The interface board offers all necessary terminals for

- ◆ Loudspeakers output
- ◆ Auxiliary Audio signals (input and output)
- ◆ Microphone input
- ◆ Selector wall box interface
- ◆ DATA I/O:
- ◆ RS232 device
- ◆ reserved for future use (prepared RS485)
- ◆ Bacta interface
- ◆ IR interface



3 Operating

The phonograph is ready to operate using factory default settings.

Additionally you may program the phonograph for your personnel requirements or for the site requirements of the location the phonograph is to be operated. Therefore see the attached manual "Service program ESVI technology".

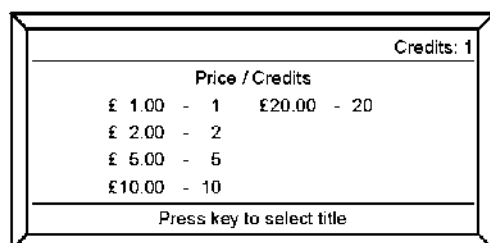
This chapter will describe the basic functionality of the phonograph.

3.1 Power-on

Power-on:

| Action | Display / status |
|---|--|
| Turn the power-on switch to position "on" | <p>The phonograph displays type and date of the firmware for some seconds.</p> <div style="border: 1px solid black; padding: 5px;"> <p>NSM M.U.S.I.C. Jukebox ES6 Technology Software version 1.0</p> <p>Starting up . . .</p> </div> |
| | Afterwards several messages appear on the operators display. |
| Insert coins to earn credits. | <p>If enough credits are registered the phonograph offers the possibility to select titles.</p> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: right;">Credits:10</p> <hr/> <p style="text-align: center;">NSM M.U.S.I.C.</p> <hr/> <p>Press key to select title</p> </div> |
| | The phonograph is ready. |

3.2 Inserting coins



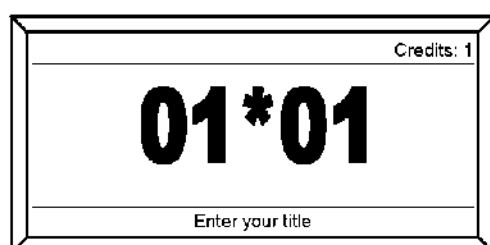
Fill in the required amount of coins necessary to earn credits at least to play one title.

One of the alternating display messages during idle mode will give an overview about the programmed prices for selecting titles at this location.

3.3 Selecting titles for playing

After insertion of coins to earn enough credit you may enter several titles.

Sequence of selection:

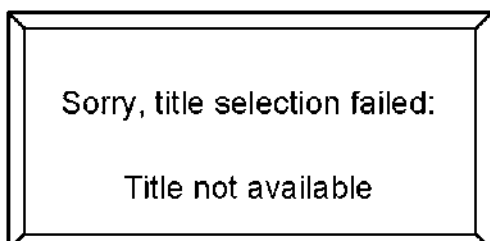


Type a 4-digit number using the numeric keys, representing

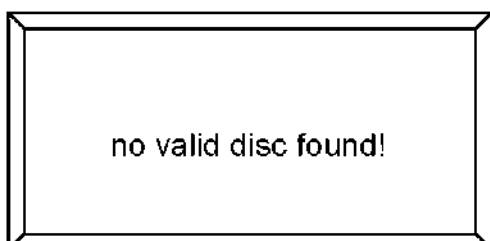
first 2 digits = CD.number from 00 to 99

second two digits = Title number of the desired track from 01 to xx (depending of the count of the selected CD)

Your input shall be automatically confirmed 2 seconds after pressing the fourth digit.



- If you have entered a wrong combination or
 - If the CD may be not initialized or
 - If the selected title is locked out from the operator
- the phonograph will give the corresponding error message.



During initialization process this message will be displayed only.

3.4 Viewing the title sheets in the title display

If you want to get an overview of the inserted CDs, press the illuminated red rocker button to turn the title pages of the title display.

On each button press the next side of four possible title sheets is displayed.

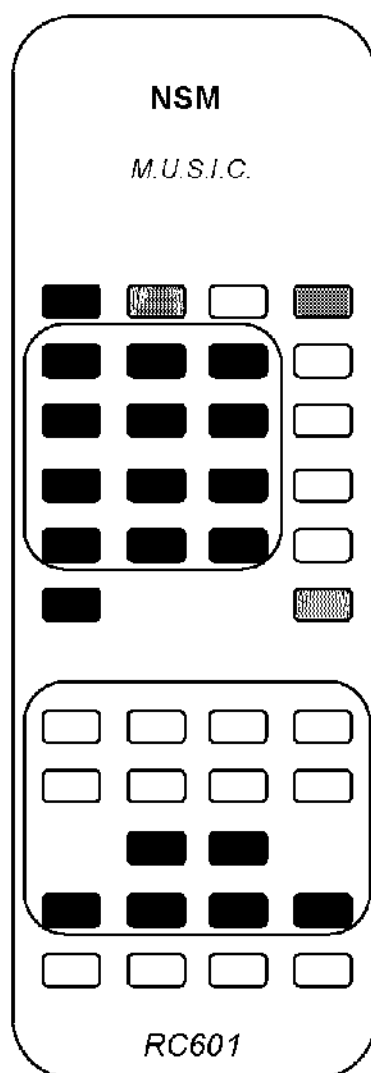
Title sheets are moved to direction corresponding to arrows printed on the rocker button.

3.5 IR Remote control RC601 and RC 602

Two infra-red remote controls are available to control the phonograph:

RC601 (part-no. 180118) giving full functionality and control

RC602 (part-no. 180237) with reduced functionality limited to basic functions.



The RC601 offers following possibilities

- ♦ selecting titles
- ♦ setting volume and sound
- ♦ function keys F1 to F4 programmable via service program (i.e. background mode, free credits, reject)

The functions of the keys are:

| F1 | F2 | F3 | F4 |
|----------|----------|----------|--------|
| 1ABC | 2DEF | 3GHI | ↑ |
| 4JKL | 5MNO | 6PQR | ↓ |
| 7STU | 8VWX | 9YZ | → |
| C | 0Sym | ★ | Hit |
| Reject | | | VIP |
| | | | |
| C1 | C2 | C3 | C4 |
| C1/2 | C3/4 | C1-4 | Mic |
| | Volume - | Volume + | |
| Treble - | Treble + | Bass - | Bass + |
| Surr | SRS | Mute | Norm |

F1 to F4 = user defined function keys (free credit, background, etc.)

1 to 0 = numeric input keys

C = Cancel/Clear input

★ = Change display mode during "Service mode"

Hit = Show the Hitparade

VIP = select a VIP title

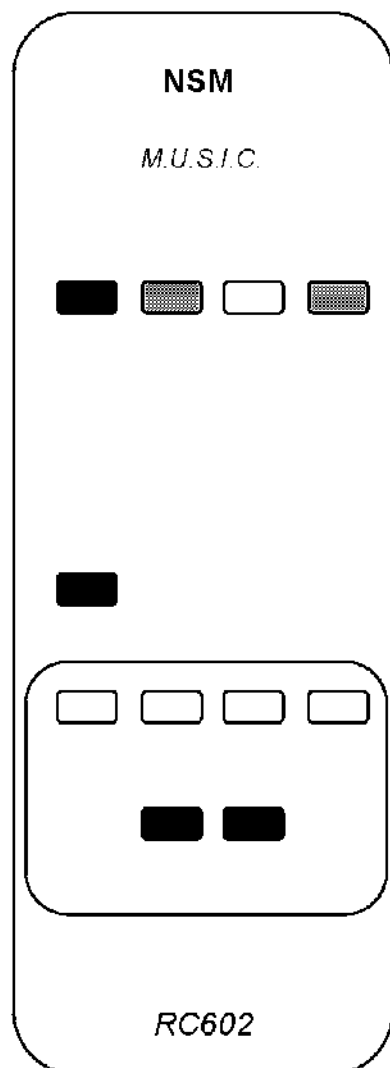
MIC = select microphone channel

Surr = activate surround sound

SRS = activate SRS sound

C1 to C4 = select audio channels

RC602 also offers



- ◆ use of function keys
- ◆ volume control (per channel only)

| F1 | F2 | F3 | F4 |
|--------|----------|----------|----|
| | | | |
| | | | |
| | | | |
| | | | |
| Reject | | | |
| | | | |
| C1 | C2 | C3 | C4 |
| | | | |
| | Volume - | Volume + | |
| | | | |
| | | | |

The IR-receiver is connected to the CB "CENTRAL UNIT ESVI" via the 4-pol. connector "IR" in the lower right edge of the board.

3.5.1 How to use the remote control

Following you will find some examples of how to set volume or sound of the phonograph using the IR remote control.

Set volume of all channels (C1-C4):

press **[C1-C4]** and then **[Vol+]** or **[Vol-]**

Set volume of channel (C1) only:

press **[C1]** and then **[Vol+]** or **[Vol-]**

Set volume of channels (C3+C4):

press **[C3-C4]** and then **[Vol+]** or **[Vol-]**

Set treble for channels (C1+C2):

press **[C1-C2]** and then **[Treb+]** or **[Treb-]**

Set bass for channels (C3+C4):

press [C3-C4] and then [Bass+] or [Bass -]

Set microphone volume for channel (C3):

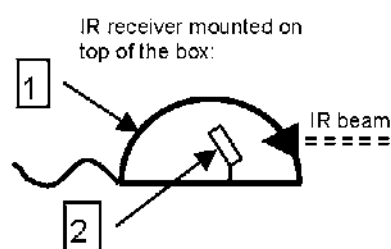
press [C3] [Mic] and then [Vol+] or [Vol-]

Set treble for this microphone channel:

press [C3] [Mic] and then [Treb+] or [Treb-]

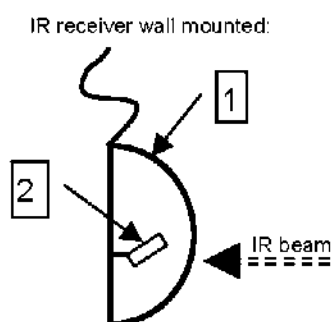
3.5.2 Mounting remarks for IR receiver

Regard the following mounting instruction for best function results of the IR receiver.



The IR receiver can be mounted either to the top of the phonograph or to a wall near the phonograph.

Regard the length of the connection cable.



Place the housing of the IR receiver (1) in that way, that the internally mounted IR-module (2) will meet the IR beam of the IR hand transmitter.

Take care to avoid that the IR beam "hits" the IR receiver from the side or the back (cable outlet). This will cause malfunction of the remote control.

3.6 Wired remote control

Alternatively the phonograph may be controlled with a wired remote control for:

- ◆ volume setting
- ◆ Mute
- ◆ Reject
- ◆ programmable functions F1 – F4

The function keys are:

F1 = user defined, i.e. "Stand-by"

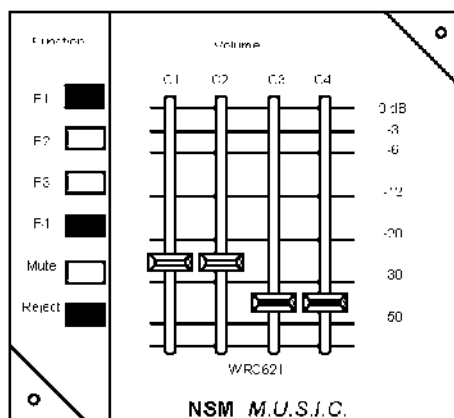
F2 = user defined, i.e. "Free credit"

F3 = user defined, i.e. "Voice canceler on/off"

F4 = user defined, i.e. "Background"

Mute = used to turn off/on the sound

Reject = used to reject the just playing title



Set the volume for the desired channel (C1 – C4) using the assigned slide control.

The wired remote control unit is to be fixed to a wall

It is connected to the CB "CENTRAL UNIT ESVI" via the 4-pol. connector "wired" in the lower right edge of the board.

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4 Set-up

Warning

Read this set-up instructions.

In this chapter you will find all information being necessary to set-up the phonograph correctly.

4.1 Survey of Set-up

For the set-up perform the following steps.

Details to the single steps are explained in the following subchapters.

Steps:

What to do at first?

Check if the delivery is complete; see page 4-2 •

Prepare site

Position unit to its final place; see page 4-2, 4-3 •

Prepare the appliance

Open the unit; see page 4-3 •

Remove transportation fixtures; see page 4-4 •

Make external connections; see page 4-5 •

Load CDs; see page 4-6 •

Feed title display; see page 4-7 •

Check all wiring/components; see page 4-8 •

Power-on; see page 4-8 •

4.2 What to do at first?

4.2.1 Check if the delivery is complete

**Warning:**

Depending on the heavy weight of the appliance we recommend that two persons should work together to unpack the phonograph.

Unpack the unit and check if the delivery is complete:

- 1 phonograph
- 1 mains (power) cord
- 1 pair of keys to open the front door of the phonograph
- 1 instruction manual

If any parts are missing inform your supplier.

Please fill in the warranty card and send it back to
NSM MUSIC GmbH - Germany.

Note:

Store the shipping carton and the packaging material for a possible later transport. Thus you can transport your unit safely.

Check for transportation damages

If the shipping carton shows damage due to transport, this should at once be recorded on the delivery slip of the shipping papers and then endorsed by the person making the delivery.

Note:

The manufacturer is not liable for damages during transport!

4.3 Prepare site

In order to guarantee a correct functioning of the coin mechanism, and the CD changer, and the title display, place the appliance horizontally and vertically exactly.

A wall outlet for the mains supply should be available close to the final position of the phonograph.

4.4 Prepare the appliance

4.4.1 Observe when placing the appliance



Do not place appliance near to heaters!
Keep ventilation holes free.

Level the phonograph to secure correct functioning of the CD changer, the coin mechanism, and the title display unit.

The phonograph is heavy weighting.

Just do it only when you have a colleague or partner to help you.

4.4.2 Open the appliance



Caution

Find the keys for the housing lock fixed at the rear of the cabinet.

The lid opens up towards you. So take care not to hurt yourself.

Insert the delivered key into the lock at the right hand side.

Turn it clockwise to open the front door of the unit.

4.4.3 Transportation security devices



Warning

Before operating the appliance all security devices for safety and protection during transport have to be removed.

The unit must be switched on only when the transportation fixtures have been removed.

So first remove the transportation fixtures after opening the appliance.

Prior to any further transportation the security devices for safety and protection during transport have to be re-inserted.

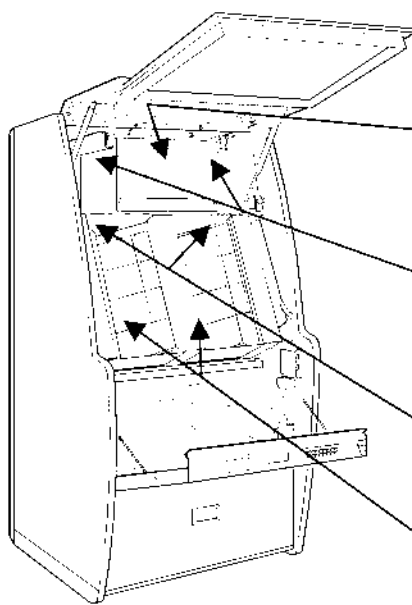
Note:

Store the transportation fixtures in a safe place. Re-insert them always into the unit before any transportation.

Follow the following safety instructions

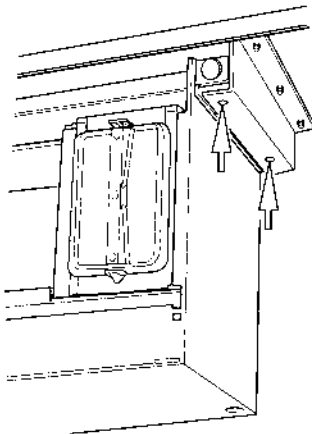
Remove all transportation security devices carefully from the phonograph and the CD-changer in order to avoid destruction and malfunctioning of it.

4.4.4 Removing the transportation fixtures



1. To open the phonograph turn the key and swing up the upper lid.
2. Remove the card board transportation fixture, located between the two CD storage magazines of the CD-changer.
3. Loosen the 4 screws of the transportation fixture, 2 screws each at the left and right top of the CD changer (supports). The CD-changer must be able to swing freely.
4. Loosen the screws and remove the two holding brackets at the upper rear left and right corner of the title display.
5. Remove the two card board transportation fixtures inside the title display which fix the title holders.

CD changer view to the right top side:



Remove transportation fixture
screws also at the left top side

Afterwards visually check all components for incorrect placement and secure installation.



Caution:

Remember: Before connecting the power cord to the wall outlet:

1. Check the setting of the line voltage and compare it with the setting of the unit.
2. Remove all transportation fixtures.
Otherwise the appliance might be damaged.

4.4.5 External connections

Connection of loudspeakers

The appliance is equipped with a semi-digital, high-power amplifier to connect the loudspeakers to.

The internal loudspeakers are wired and connected via the integrated cross-over network, to get best sound results.

Regard the right polarity of the connected external speakers/speaker wires, to guarantee best sound results.



Warning:

Installation of necessary wiring must be carried out only by qualified and authorized technicians. Otherwise the amplifier might be damaged.

Lead the speaker cables through the outlet in the back of the phonograph's housing to the inside.

Two wires for each channel have to be connected to the connecting taps on the interface board.



Caution:

Power-off the appliance before connecting loudspeakers. Do not touch loudspeaker connectors. Risk of shock hazard through high voltage. Abuse, shortening or interconnecting of cabling may cause serious damage to amplifier!



Warning:

CLASS 2 wiring may be used!

There is a total power output of 250W RMS on each channel.

Remote control cabling

To simplify the operating of the phonograph you should use a remote control unit (infra-red or wired remote control).

Lead the connecting cable also through the outlet in the back of the phonograph into the inside. Then connect it to the desired plug connector "IR" / "WIRED", located on the CENTRAL UNIT.

Mains cabling



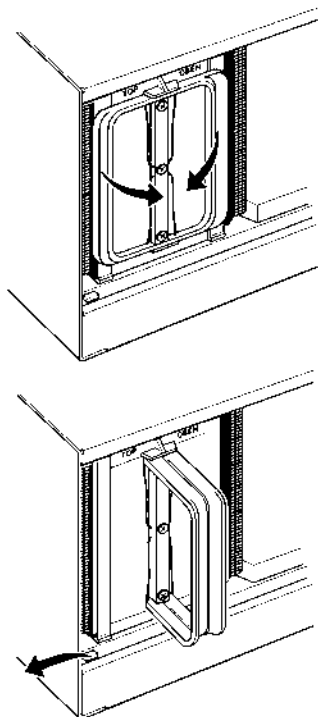
After checking all cabling is done well insert the mains plug into the mains connector on the rear side of the phonograph.

Avoid static discharge to the appliance. Electro Static Discharge (ESD) may destroy the opto-electronics and other ESD sensitive parts within the appliance.

4.4.6 Check the CD trays after transport

While transportation of the phonograph it may happen that single trays jump out off their leadings in the CD-magazine.

Remove the magazine



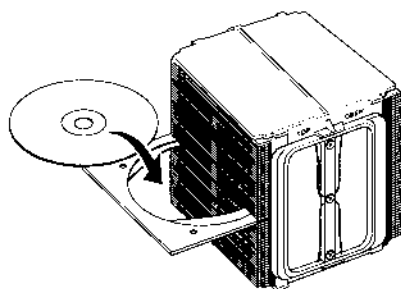
The magazine is equipped with tilting handles. Simply fold the two handles to the front.

Hold the magazine with one hand and press the release knob with the other to the left side.

The magazine will audible be released and jumps out of the lock.

Check that each tray is placed well in its parallel leadings.

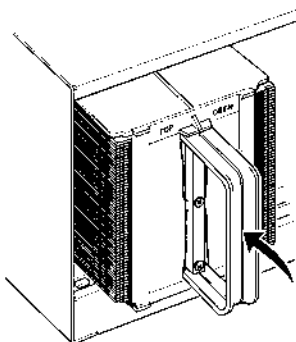
4.4.7 Loading CDs



Remove a number of trays corresponding to the number of CDs to be inserted.

Always place CDs face up (label up) into the recess of each tray, and thereupon slide the tray into the first/next available slot of the magazine.

4.4.8 Re-insert the CD magazine



When re-inserting the magazine take care that it locks audibly with a slight bump in the locking device. If you don't push the magazine strong enough, a malfunction of the CD changer may result herein!

Please don't store or transport magazine head foremost.

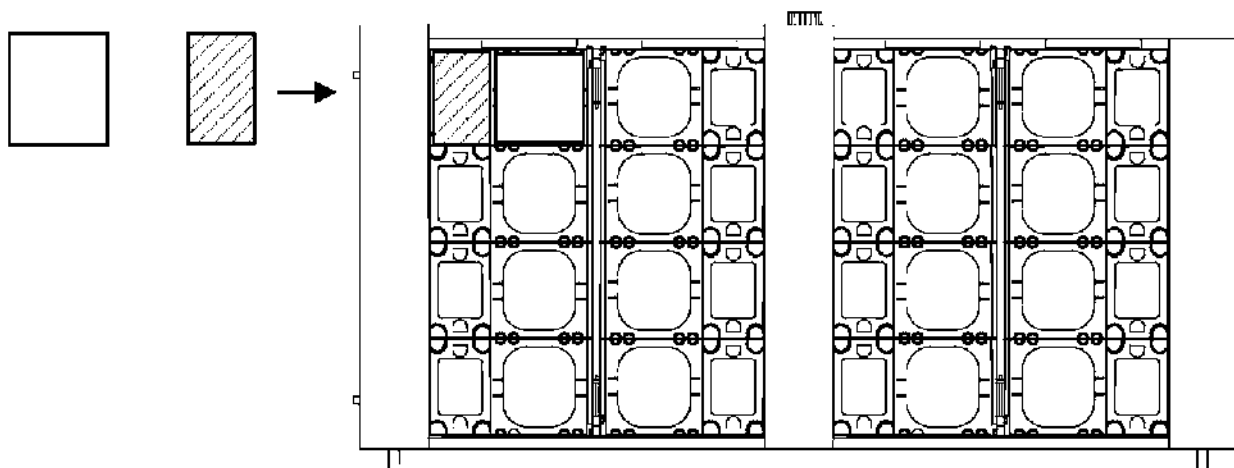
Note: Due to the construction of the CD magazine it can be transported outside the CD changer without any special transportation securities. Only when treated too rough the CD trays will be falling out of the magazine.

4.4.9 Loading title strips to the title display

The title display is capable of storing up to 112 (2x 7x8) CD covers and title strips.

Loading title strips and CD covers

If you want to insert or remove title strips and /or CD covers you first have to open the phonograph, if not already done. Firmly lift the lid.



Insert the title strips into the fields of the title display

You have to be careful while inserting the CD covers and title strips into the title holders.

Make sure CD covers and title strips are inserted under all the black plastic tabs. This will insure that they don't fall out.

The title display will always show 2x eight covers of inserted CDs.

Moving the title pages of the title display

You have to press the rocker button, placed in the operators console of the phonograph, if you want to move the title holders within the title display.

The title holders can be moved into the corresponding direction by pressing the rocker button in the operator's console.

Upon each button operation sixteen new CD-covers including title strips are shown. Lamps inside the rocker button will light to show the possible direction of moving the title holders.

What to do in case of limited number of CDs?

In case of a limitation of selectable CDs you have to take care to insert only the corresponding number of title strips and CD covers, refer to manual "Service program ES VI technology".

4.4.10 Check all wiring and components

After finishing the installation of wiring, the insertion of CDs and title sheets you should check once more

- if all wiring is correctly made
- if all components are placed in a correct manner

Afterwards plug in the mains plug into the corresponding wall outlet.

4.4.11 Power-on the appliance

The power-on switch is located right hand at the bottom side of the appliance. To turn on the power just switch it to the opposite position (marked "I" or "ON" or "1").

If all installation was ok the lights should go bright and the initialization routine should be displayed on the operators display.

After a moment the appliance is ready.

4.4.12 Initialize the CDs to the central unit ESVI

You have two possibilities to initialize the inserted CDs. After inserting

- if you only have inserted one or a few of CDs just play the first track of each CD.
- if you have inserted a lot of CDs it is easier to call up the service program and start the initialization routine of the phonograph.

See manual "Service program ES VI technology".

5 Disturbances

5.1 Avoiding disturbances

| | |
|-------------------------------------|--|
| Reason of disturbances | <p>Errors during the loading process of the magazine or a wrong manual insert of the CDs mostly result in mechanical disturbances.</p> <p>To avoid disturbances please adhere to the following recommendations:</p> |
| Use CD-tray | <p>Put CDs only into the trays label-up.</p> <p>Inside the CD changer CDs can only be transported if they are placed on trays.</p> |
| Load CD magazine completely | <p>Load the CD magazine completely with trays even if you do not fill in all trays with CDs.</p> <p>Operate the phonograph only with all trays installed.</p> <p>By factory setting the magazine is equipped with all trays. Do not remove trays.</p> |
| Insert CD magazine correctly | <p>When inserting a CD magazine pay attention to the TOP position.</p> <p>The magazine must snap in clearly audible.</p> <p>An incorrectly inserted CD magazine will lead to mechanical disturbances.</p> |

5.2 Reports on the display

The following table contains some display reports of the phonograph.

The given information is intended to help you to remove disturbances.

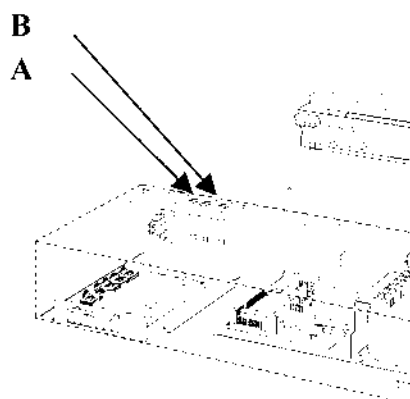
| Report | Reason | Accomodation |
|---------------------|---|--|
| Title not available | No CD in tray or CD not initialized | Insert CD and run initialization routine |
| no valid disc found | | Perform initialization routine |
| | | |
| | | |
| | | |

5.3 Replacing line fuses

Danger

Always unplug the power cord before exchanging line fuses.
Use only fuses as specified below.

Part view into cabinet:



Two line fuses (A) have the following values:

T 5 AL for line voltage 230 V

T 8 A for line voltage 120 V

One fuse (B) for illumination has the following value:

T 2 AL for line voltage 230 V

T 1,6 A for line voltage 120 V

The fuses are located in the bottom part of the phonograph cabinet. To get access to the fuses

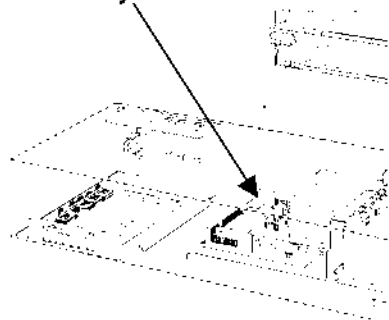
- Power-off the phonograph and unplug the power cord.
- Open the front door.
- Take the title display unit with both hands and swing up into horizontal position, it will audible lock.
- In the left hand rear corner of the power supply shielding you will see the fuse holders .
- Open the fuse caps and replace the fuses.
- Re-build the original state of the phonograph and power-on again.

Warning

Replace fuses only with same type and value! Otherwise the phonograph may be damaged in hole.

5.4 Replacing the secondary fuses

Part view into cabinet:
secondary fuses



The secondary fuses are placed on the two printed boards of the power supply unit.

The secondary fuses have the following values:

T 6,3 AL for 60 V_A

T 6,3 AL for 60 V_B

T 1 AL for 30 V

T 3,15 AL for 15 V

T 3,15 AL for 12 V

T 3,15 AL for 5 V

Warning

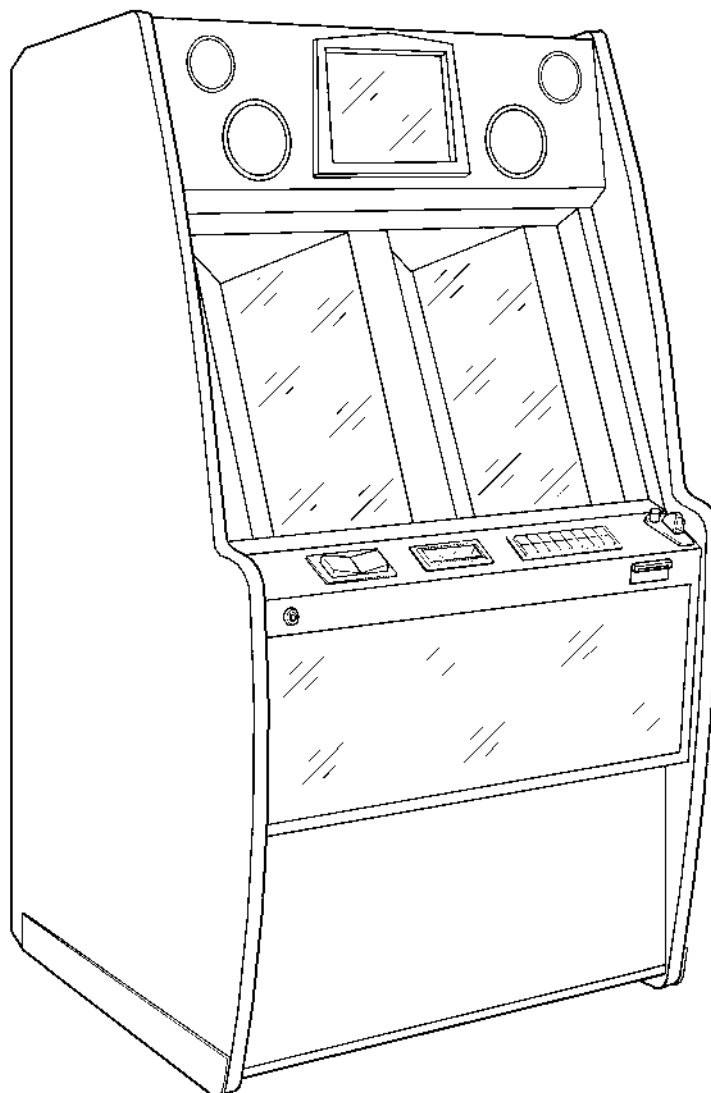
Replace fuses only with same type and value! Otherwise the phonograph may be damaged in hole.

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6 Spare parts catalog

The following spare parts and options are available for the phonographs of the "Floor series A".

COSMIC BLAST:



This spare parts list is valid only for phonographs of the "FLOOR Series A" built with ES VI-technology.

Each spare parts order must contain the following information:

1. Phonograph type
2. Serial number
3. Parts quantity
4. Parts number
5. Parts description

Example of a correctly filled-out order sheet:

| Type | Serial no. | Qty. | Part-no. | Description | Remarks |
|--------------|------------|------|----------|---------------------|--------------|
| COSMIC BLAST | 060481504 | 1 | 223 478 | Transformer | 900VA |
| | | 2 | 235 228 | Interference filter | FN9222-10/06 |
| | 060482376 | 1 | 225 040 | Starter | S10 |

Note:

When ordering your spare parts please indicate model and serial number by all means. By doing so, you will avoid annoying further enquiry.

Please forward your spare parts orders only to your wholesale dealer or to the NSM MUSIC-Organisation.

NSM MUSIC GmbH
Im Tiergarten 20-30
D-55411 BINGEN / Rhein
Germany

Information and illustration contained in this spare parts list are correct at the time of printing.

Subject to technical modification without obligation to modify equipment already delivered!

| |
|---------|
| 123 456 |
|---------|

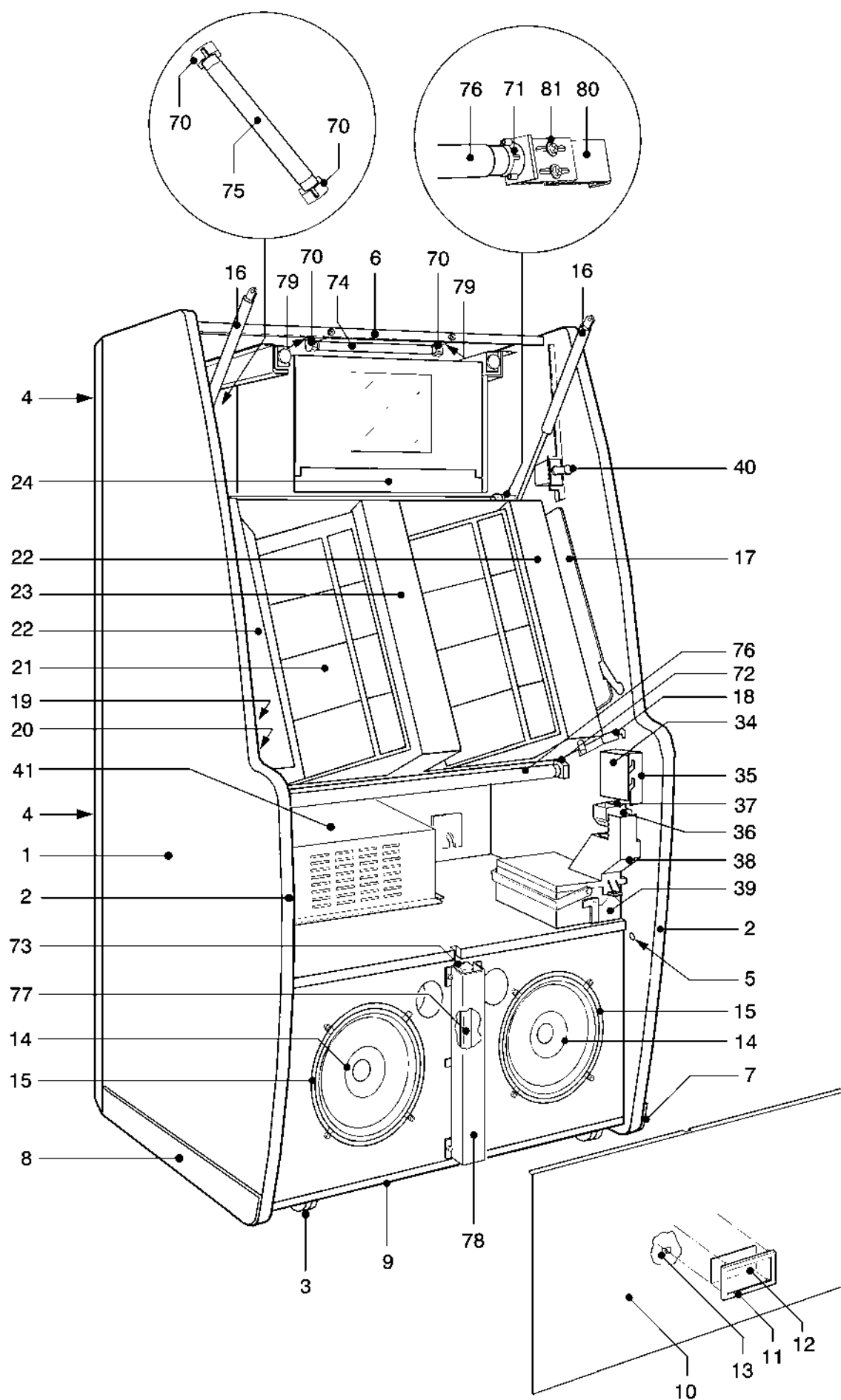
Table entries marked that way indicate the corresponding spare part as not available for all models.

Options

| Part no. | Description | Remarks / data |
|----------|----------------------------------|--------------------------------------|
| 180 118 | IR remote control unit, assy. | RC 601; see page 3-3 of this manual |
| 180 237 | IR remote control unit, assy. | RC 602; see page 3-3 of this manual |
| 216 830 | Wired remote control unit, assy. | see page 3-6 of this manual |
| 180 189 | Amplifier module, assy. | |
| 180 213 | Lightbox animation, assy. | Lightplay behind lower front door |
| 180 144 | Instruction manual, english | FLOOR Series A with ES VI technology |

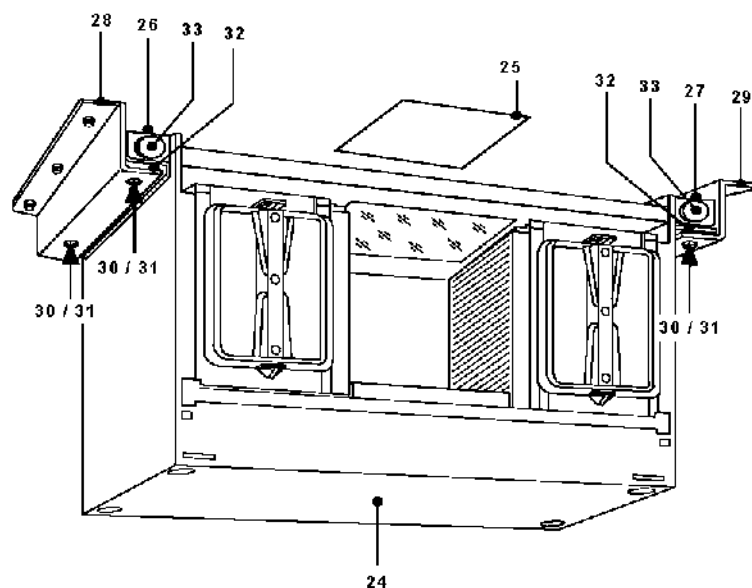
Cable harnesses

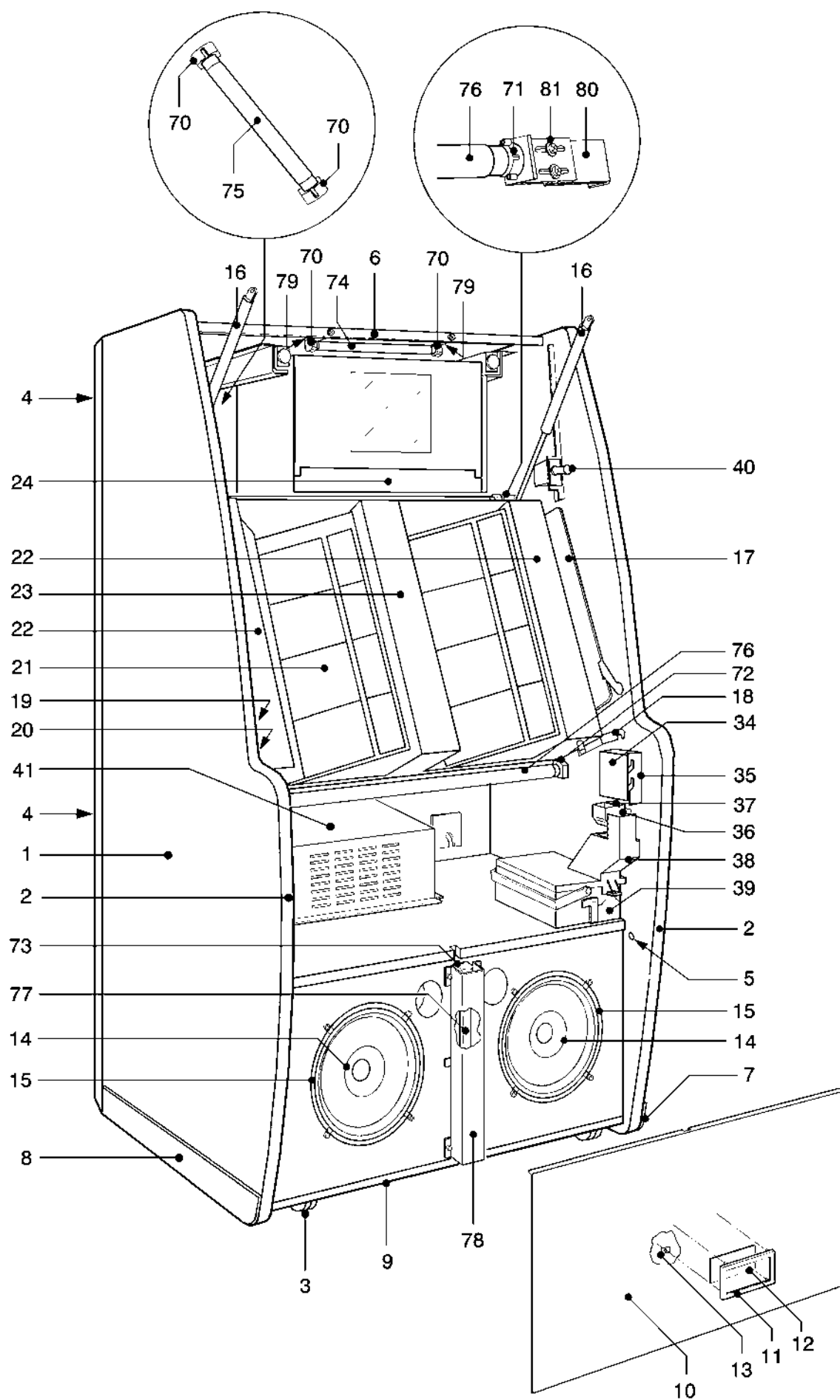
| Part no. | Description | Remarks / data |
|----------|--|-----------------------------------|
| 227 528 | Power cord 110-127V | *USA*, length=2500mm |
| 227 629 | Power cord with plug | *GB*, length=2500mm |
| 227 433 | Power cord EURO | *D*/ <i>EXP</i> *, length=2500mm |
| 227 529 | Power cord w/o plug | *AUS*/ <i>NZ</i> *, length=2500mm |
| | | |
| 180 185 | Power supply unit – CB Central Unit | 8 pole, length=600mm |
| 179 884 | Power supply unit – Amplifier | 6 pole, length=1500mm |
| 179 880 | Power supply unit – Electronic ballast | 6 pole, length=670mm |
| 179 996 | Power supply unit – CB LED BAR | 4 pole, length=650mm |
| 179 972 | Power supply unit – CB LED BAR | 6pole, length=700mm |
| 179 962 | CB Power Filter – CB Converter | 12 pole, length=200mm |
| 179 879 | Amplifier – Loudspeaker connector | 4 pole, length=450mm |
| 180 179 | Crossover network – Bass loudspeakers | |
| 179 523 | Crossover network – Loudspeakers in upper front door | |
| 113 115 | CB Display – Rocker button | 6 pole, length=200mm |
| | | |
| 178 012 | CB Central Unit – Title display | 10 pole, length=1470mm |
| 179 893 | CB Central Unit – Service switch | 2 pole, length=850mm |
| 180 176 | CB Central Unit – CB Display | 8 pole, length=2300mm |
| 179 905 | CB Central Unit – AMP | 8 pole, length=340mm |
| 180 180 | CB Central Unit – Coin switch | 2pole, length=1500mm |
| 179 891 | CB Central Unit – MBC III | 15 pole, length=880mm |
| 179 856 | CB Central Unit – I/O-Panel | 18 pole, length=100mm |
| 179 881 | CB Central Unit – MBC III | 8 pole, length=1300mm |
| 179 857 | CB Central Unit – I/O-Panel | 20 pole, length=100mm |
| | | |
| | Illumination: | |
| 180 177 | Fluorescent lamp 8/16W, 2x 6W | |
| 180 178 | Fluorescent lamp 16W | |
| 180 181 | Fluorescent lamp 8W | |
| | | |



| Pos | Art.-no. | Description | Data | Qty. |
|-----|----------|---|----------------------------------|------|
| 1 | 203 886 | Cabinet | *COSMIC BLAST* | 1 |
| 2 | 212 941 | Bandings 3/4", Flexible "T" | length=1990mm | 1 |
| 3 | 217 506 | Apparatus-Casters | | 4 |
| 4 | 170 852 | Handle | | 4 |
| 5 | 179 280 | Flange sleeve | Bearing of lower front door | 2 |
| 6 | 179 376 | Cover, pointed | | 1 |
| 7 | 179 679 | Edge protection, right | | 1 |
| 8 | 179 680 | Edge protection, left | | 1 |
| 9 | 179 281 | Edge protection, front | | 1 |
| 10 | 180 127 | Speaker grid, spot welded | | 1 |
| 11 | 172 531 | Frame | for NSM Logo | 1 |
| 12 | 212 517 | Mask, printed | NSM Logo | 1 |
| 13 | 671 006 | Spring nut 6 | Frame fixation | 4 |
| 14 | 224 291 | Loud speaker | 120W / 8Ohm | 2 |
| 15 | 239 449 | Black light wire ø8mm | length=0.969m | 2 |
| 16 | 216 655 | LIFT-O-MAT | F1=350N | 2 |
| | 179 364 | Bond pin with flute | for LIFT-O-MAT | 2 |
| 17 | 179 387 | Insert plate right, pre-mounted | for title display | 1 |
| 18 | 179 389 | Bar, right | single | 1 |
| 19 | 179 388 | Insert plate left, pre-mounted | for Title display | 1 |
| 20 | 179 390 | Bar, left | single | 1 |
| 21 | 117 200 | Title display 112 , complete (w/o design parts) | see page 6-5 | 1 |
| 22 | 179 455 | Decoration mask | Option Design | 2 |
| 23 | 180 126 | Decoration mask, printed | Cosmic Blast | 1 |
| | 239 319 | Title stripe | | 30 |
| 24 | 179 530* | CD-changer MBC III-PRO , complete (w/o locking bracket left + right, w/o magazines) | see Attachment A | 1 |
| 25 | 180 188 | Design foil MBC III, red | | |
| 26 | 179 826 | Locking bracket left, riveted | to unscrew at changer's exchange | 1 |
| 27 | 179 827 | Locking bracket right, riveted | to unscrew at changer's exchange | 1 |
| 28 | 179 312 | Holding bar left, pointed | | 1 |
| 29 | 179 313 | Holding bar right, pointed | | 1 |
| 30 | 140 285 | Damping foot | | 4 |
| 31 | 205 353 | Wire spring | | 4 |
| 32 | 179 317 | Glide plate | | 2 |
| 33 | 614 003 | Knurled screw | M4x8 | 2 |

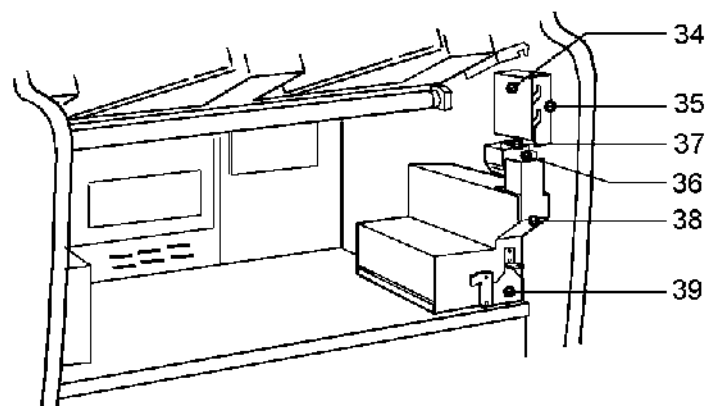
* = Exchange unit





| Pos | Art.-no. | Description | Data | Qty. |
|-----|----------------|--|-------------------------|----------|
| | | Coin acceptors | | |
| 34 | 216 280 | - Cashflow 330, Assumption left | *GB* Option | 1 |
| 34 | 216 774 | - Coin Controls C120 | *GB* Option | 1 |
| 34 | 216 254 | - Cashflow 330, Assumption left | *AUS* Option | 1 |
| 34 | 216 675 | - mechanical 25c | *USA* Option | 1 |
| 34 | 216 792 | - mechanical 5Peso | *MEX* Option | 1 |
| | | | | |
| | 180 142 | Coin validator – Coin Controls | *UNI* Option | 1 |
| 35 | 179 336 | Coin validator holding plate, complete | | 1 |
| | 179 896 | CB-Coin adapter ES VI, complete | | 1 |
| | 171 289 | Distance sleeve | below CB-Coin adapter | 3 |
| | 179 435 | Cable harness coin adapter | 8 poles, length=1600mm | 1 |
| | | | | |
| | 180 138 | Coin validator – mechanical validator 25c | *USA* Option | 1 |
| 35 | 179 336 | Coin validator holding plate, complete | | 1 |
| | 205 913 | Switch lever | to micro switch | 1 |
| | 180 180 | Cable harness coin validator | with micro switch | 1 |
| | 222 604 | Micro switch | for mech. coin acceptor | 1 |
| | | | | |
| | 180 141 | Coin validator | *MEX* Option | 1 |
| 35 | 179 336 | Coin validator holding plate, complete | | 1 |
| | 178 896 | CB-Coin adapter ES VI, complete | | 1 |
| | 171 289 | Distance sleeve | CB-Coin adapter | 3 |
| | 113 425 | Cable harness coin adapter | 12 poles, length=1400mm | 1 |
| | 180 180 | Cable harness coin validator | with micro switch | 1 |
| | 222 604 | Micro switch | for mech. coin acceptor | 1 |
| | 205 913 | Switch lever | to micro switch | 1 |
| | | | | |
| 36 | 029 335 | Coin return cup | | 1 |
| 37 | 102 495 | Coin lid | | 1 |
| 38 | 179 509 | Cash box, complete | | 1 |
| 39 | 179 373 | Cash box guidance, riveted and spot welded | | 1 |

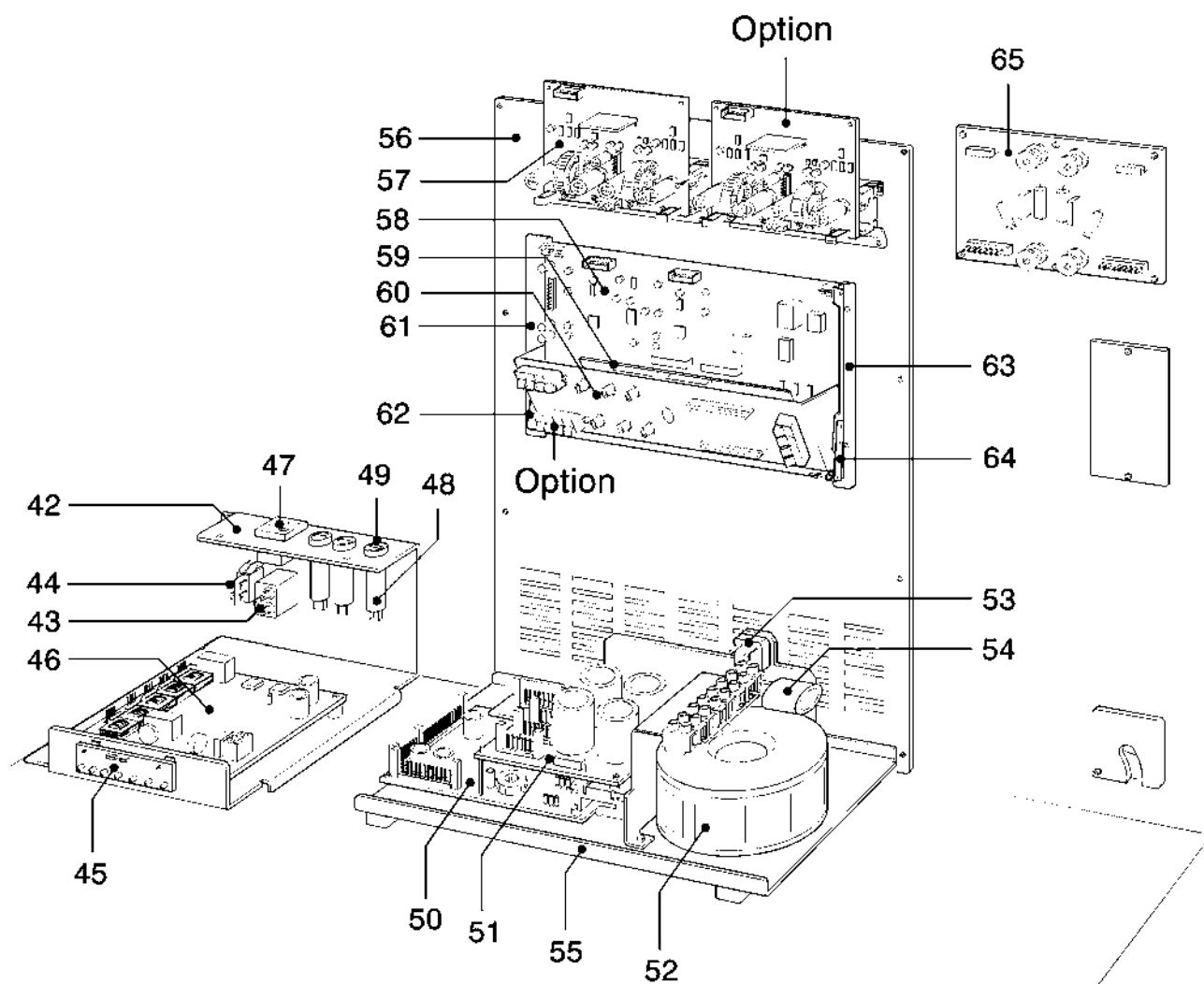
Part view of Illustration page 14:



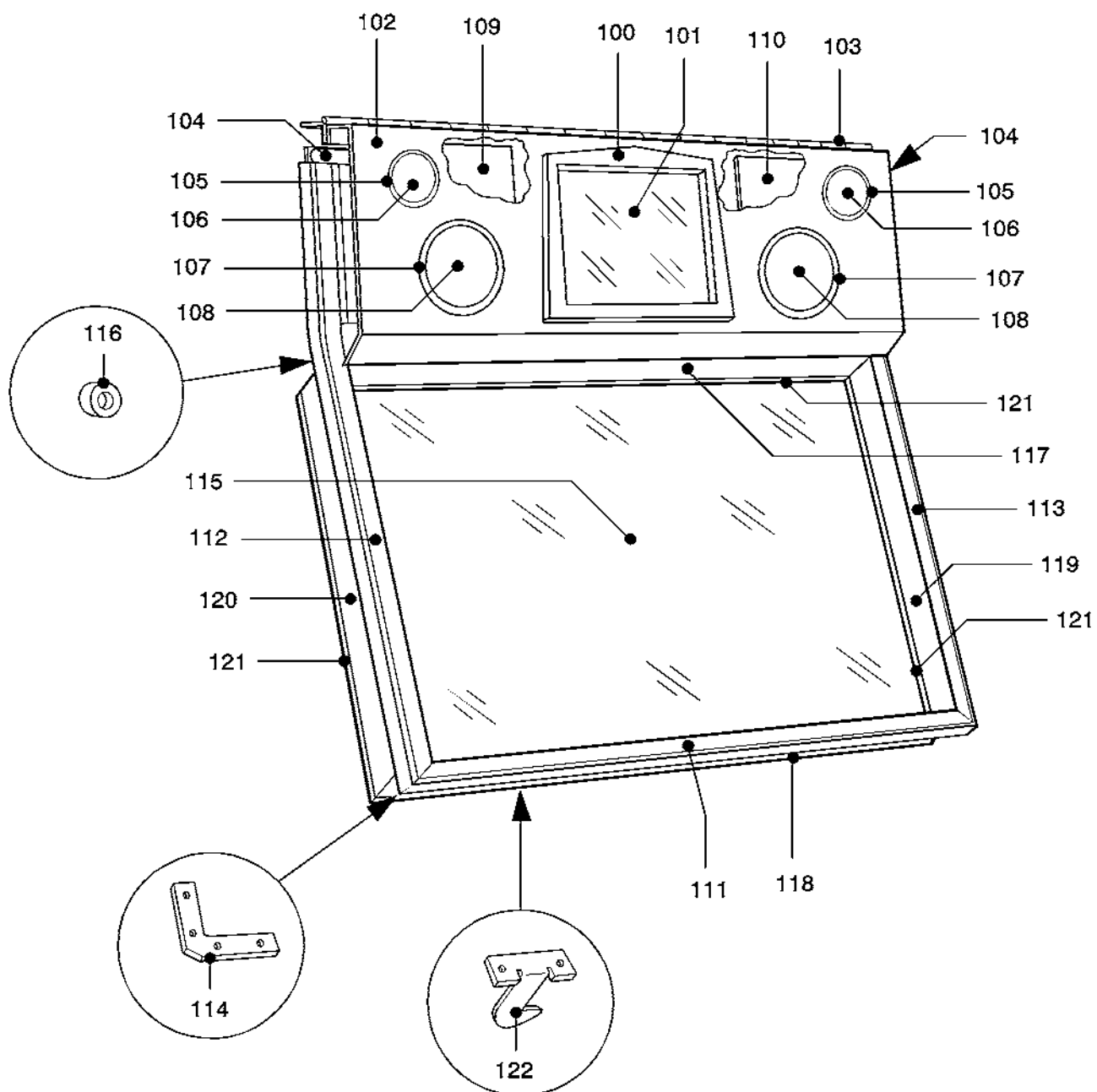
w/o illustration:

| | | | | |
|--|---------|---------------------------------|----------------------|----------|
| | 216 501 | Dollar Bill Acceptor | *USA* Option | 1 |
| | 179 425 | Holding plate left, pressed in | fixation Dollar Bill | 1 |
| | 179 426 | Holding plate right, pressed in | fixation Dollar Bill | 1 |
| | 179 889 | Cable harness Dollar Bill | | 1 |

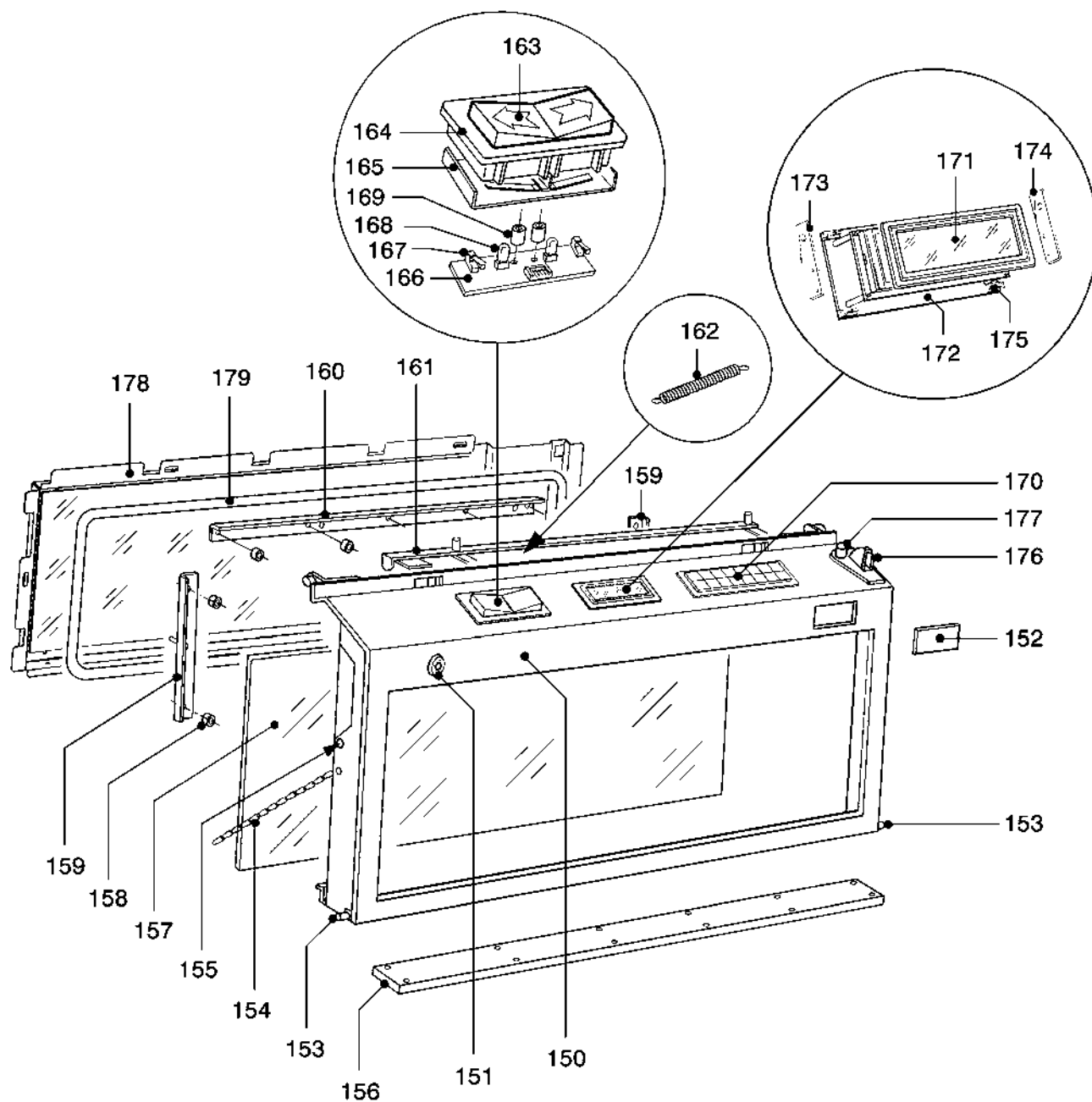
Note: The Dollar Bill Acceptor is mounted to the lower front door.



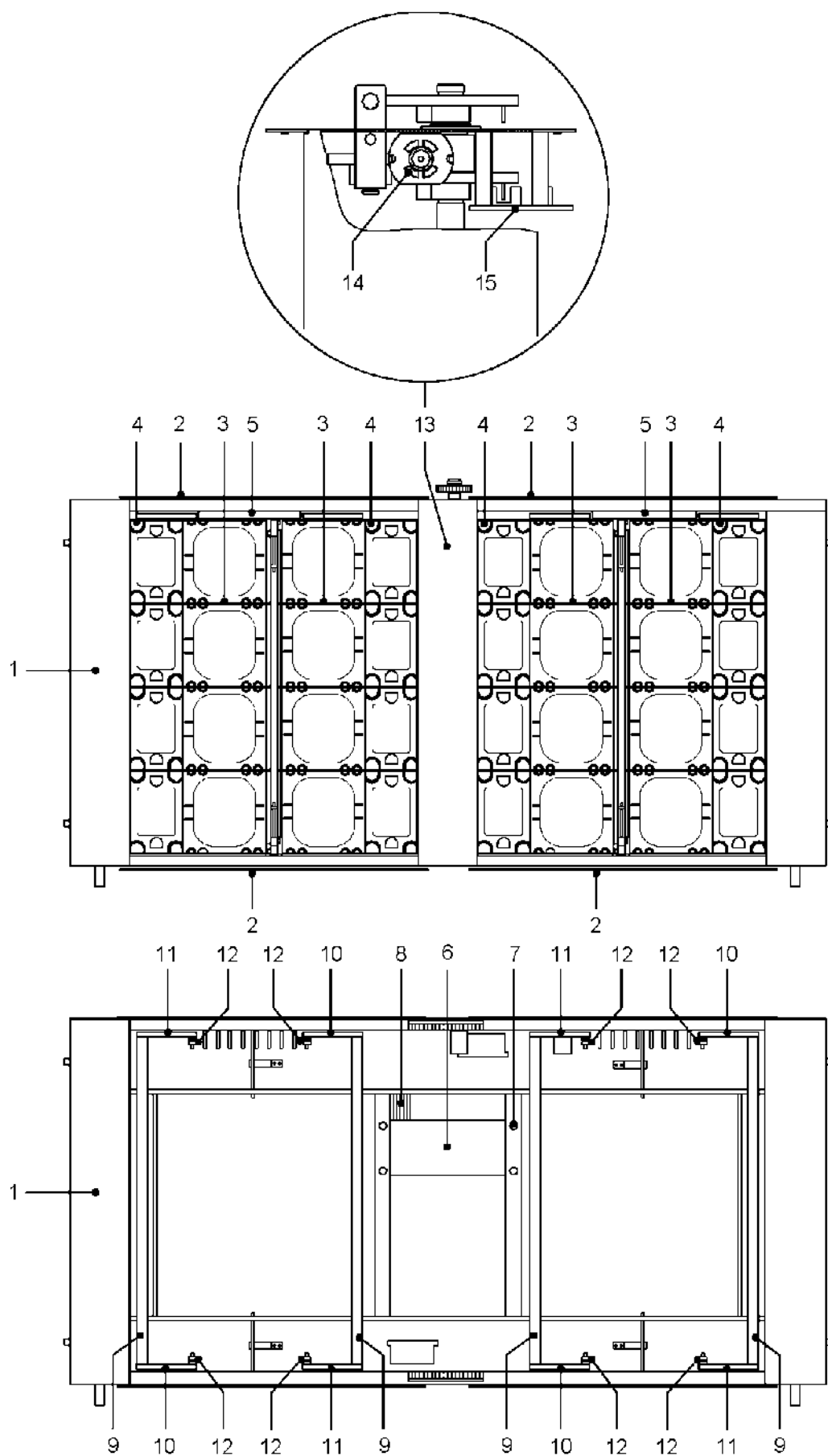
| Pos | Art.-no. | Description | Data | Qty. |
|-------|-----------------|---|--------------------------|------|
| 40 | 222 509 | Service switch | cabinet switch | 1 |
| 41 | 180 154 | Shielding box for power supply | | 1 |
| 42 | 180 153 | Mounting bracket line input | | 1 |
| 43 | 235 228 | Interference filter | | 1 |
| 44 | 222 574 | Line switch | Power-on/off | 1 |
| 45 | 179 971 | CB LED BAR, assy. | | 1 |
| 46 | 180 152 | CB ELECTRONIC BALLAST, assy. | 120V/230V AC | 1 |
| 47 | 222 619 | 120V AC Outlet | socket | 1 |
| 48 | 235 135 | G-fuse holder | | 3 |
| | | 120V | | |
| | 225 541 | G-fuse | T8A/125V | 2 |
| | 225 760 | G-fuse | T1,6A/250V | 1 |
| 49 | 225 138 | Cap | 60Hz | 3 |
| | | 230V | | |
| | 225 537 | G-fuse | T5,0A | 2 |
| | 225 033 | G-fuse | T2,0A | 1 |
| 49 | 225 137 | Cap | 50Hz | 3 |
| 50-54 | 179 950* | Power supply unit, pre-mounted | | 1 |
| 50 | 179 956 | CB Power Converter, assy. | | 1 |
| 51 | 179 957 | CB Power Filter, assy. | | 1 |
| 52 | 223 478 | Transformer with toroidal core | 900 VA | 1 |
| 53 | 221 085 | Bridge rectifier | | 1 |
| 54 | 221 110 | NTC resistor | type S364 /2.5 / M | 1 |
| 55 | 179 951 | Basic plate, power supply | | 1 |
| 56 | 180134 | Mounting plate | | 1 |
| | | Electronics: | | |
| 57 | 216 864* | Amplifier, assy. | | 1 |
| 58 | 179 853* | CB Central Unit ES6, assy. | | 1 |
| 59 | 179 854* | CB I/O-Panel, assy. | | 1 |
| 60 | 179 872 | Holding plate, printed | I/O-Panel | 1 |
| 61 | 179 966 | Holding bracket, left, riveted | Central Unit + I/O-Panel | 1 |
| 62 | 171 626 | Stop spring, right | | 1 |
| 63 | 179 967 | Holding bracket, right, riveted | Central Unit + I/O-Panel | 1 |
| 64 | 171 714 | Stop spring, left | | 1 |
| 65 | 180 221 | Cross-over network, assy. | | 1 |
| | | Illumination: | | |
| | 180 177 | Cable harness fluorescent lamps | 8W/16W/2x6W | 1 |
| 70 | 225 365 | Lamp socket type 2004 | | 6 |
| 71 | 225 756 | Lamp socket | | 2 |
| | 180 178 | Cable harness fluorescent lamps | 16W | 1 |
| 72 | 225 756 | Lamp socket | | 2 |
| | 180 181 | Cable harness fluorescent lamps | 8W | 1 |
| 73 | 225 365 | Lamp socket type 2004 | | 2 |
| 74 | 226086 | Fluorescent lamp | L8W/20 | 1 |
| 75 | 226113 | Fluorescent lamp | Black light, TL6W/08 | 2 |
| 76 | 226074 | Fluorescent lamp | 28" Cool Wh | 2 |
| 77 | 226112 | Fluorescent lamp | Black light, TL8W/08 | 1 |
| 78 | 180182 | Lamp cover | | 1 |
| 79 | 179394 | Distance bolt for lamp socket type 2004 | length=30mm | 2 |
| 80 | 179411 | Lamp bracket I | | 4 |
| 81 | 179413 | Lamp bracket II | | 4 |



| Pos. | Art.-no. | Description | Data | Qty. |
|---------|---------------|--|-----------------------------|----------|
| 100-122 | 180125 | Front door, complete | upper front door | 1 |
| 100 | 179 278 | Frame mask | Front plate | 1 |
| 101 | 214 216 | Plate | mirrored | 1 |
| | 217 507 | Rubber profile | length=820mm | 1 |
| 102 | 179 360 | Front plate, spot welded and riveted | black | 1 |
| 103 | 211 778 | Hinge | | 1 |
| 104 | 179 395 | Spacer bolt | length=49,7mm | 2 |
| 105 | 179 322 | Frame small, loudspeaker | | 2 |
| 106 | 179 681 | Speaker grid, small | black | 2 |
| | 224 288 | Loudspeaker, type HIFI DOME TW. | 100W / 8Ohm | 2 |
| 107 | 179 323 | Frame great, loudspeaker | | 2 |
| 108 | 179 682 | Speaker grid, big | black | 2 |
| | 224 292 | Loudspeaker, type KF-130-1318 | 50W / 8Ohm | 2 |
| | 179 275 | Cover | for loudspeaker | 2 |
| | 179 523 | Harness loudspeaker cover | | 1 |
| 109 | 213004 | Illuminated plate left | | 1 |
| 110 | 213005 | Illuminated plate right | | 1 |
| | 212969 | Rubber washers for illuminated plates | | 16 |
| 111 | 250 496 | Frame profile | | 1 |
| 112 | 250 497 | Frame profile, left | | 1 |
| 113 | 250 498 | Frame profile, right | | 1 |
| 114 | 179 396 | Hitch plate | | 2 |
| 115 | 214 218 | Plate, top | | 1 |
| | 217 507 | Rubber profile | length=2160mm | 1 |
| 116 | 179 397 | Role | sight protection at the top | 5 |
| 117 | 179 398 | Sight protection at the top | | 1 |
| 118 | 179 399 | Sight protection at the bottom | | 1 |
| 119 | 179 400 | Sight protection right | | 1 |
| 120 | 179 401 | Sight protection left | | 1 |
| 121 | 217 479 | Edge protection profile for sight protection | length=2632mm | 1 |
| 122 | 179 402 | Locking bracket | | 2 |

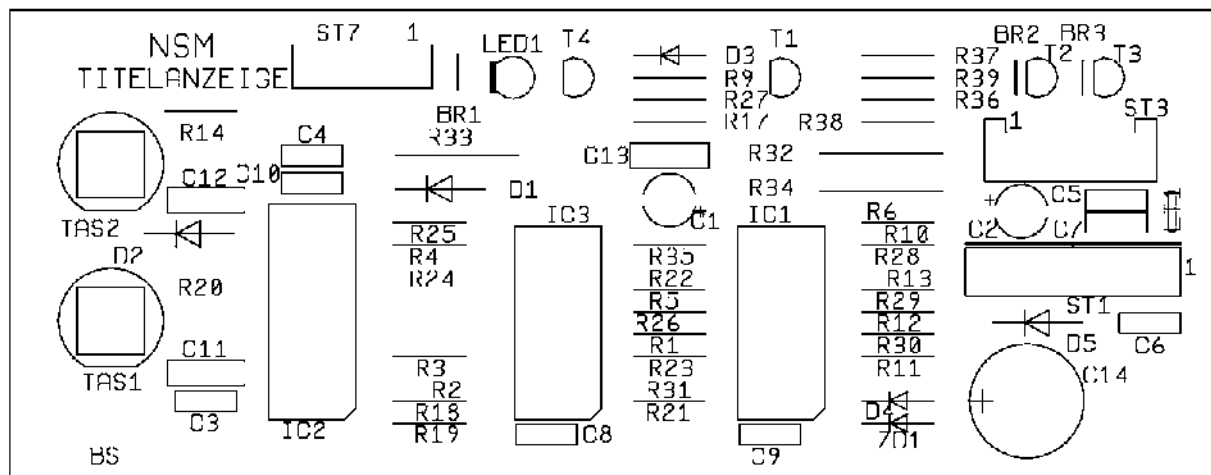


| Pos. | Art.-no. | Description | Data | Qty. |
|---------|----------|---|---------------------------------|------|
| 150-179 | 180 147 | Lower front door, complete, chromium plated | *UNI* | 1 |
| | | (w/o design foil) | | |
| 150-179 | 180 145 | Lower front door, complete, chromium plated | *USA* with Dollar Bill chute | 1 |
| | | (w/o design foil) | | |
| 150-179 | 180 146 | Lower front door, complete, chromium plated | *USE* without Dollar Bill chute | 1 |
| | | (w/o design foil) | | |
| 150 | 180 148 | Lower front door (pult-plate), riveted | | 1 |
| 151 | 217 814 | Cylinder lock / 1 key | *Export* | 1 |
| | 179 446 | Closing lever | *Export* | 1 |
| 151 | 206 903 | Lock type 3293-13 FC3/16 | *USA* | 1 |
| | 179 447 | Closing lever | *USA* | 1 |
| 152 | 180 204 | Cover plate, pointed , chromium plated | Closing for pult-plate opening | 1 |
| 153 | 179 292 | Spacer bolt | location pult plate | 2 |
| 154 | 211 084 | Knot chain K16, zinc coated | 2x250mm long | 1 |
| 155 | 229 230 | Plastic-body-bound rivet 3,5 | lateral spacer | 2 |
| 156 | 212 947 | Light mask | | 1 |
| 157 | 214 311 | Plate, bottom, mirrored | | 1 |
| | 217 507 | Rubber profile | length 1640mm | 2 |
| 158 | 117 493 | Sleeve | | 9 |
| 159 | 179 295 | Holding bracket | plate side | 2 |
| 160 | 179 293 | Holding bracket | plate top | 1 |
| 161 | 179 440 | Lock bar, pre-mounted | | 1 |
| 162 | 205 538 | Tension spring | for lock bar | 1 |
| 163 | 175 974 | Pushbutton | rocker button | 1 |
| 164 | 176 574 | Frame | | 1 |
| | 207 199 | Rubber band black | Length 100mm | 1 |
| 165 | 179 297 | Cover plate, pre-mounted | | 1 |
| 166 | 179 356 | CB Rocker button, complete | | 1 |
| 167 | 222 597 | Micro switch | single, standing | 2 |
| 168 | 226 049 | Lamp | 12-15V / 2W single | 2 |
| 169 | 174 115 | Sleeve | fixation of printed boards | 2 |
| 170 | 179 902 | Keyboard, assy. | 16 buttons | 1 |
| 171 | 180 171 | Bezel and glass for display, assy. | | 1 |
| 172 | 179 900 | Display, assy. | | 1 |
| 173 | 171 626 | Catch spring, right | | 1 |
| 174 | 171 714 | Catch spring, left | | 1 |
| 175 | 171 629 | Holder for CB Display | red | 2 |
| 176 | 179 276 | Coin insert | Standard | 1 |
| 176 | 179 277 | Coin insert | *USA* | 1 |
| | 179 304 | Closing coin insert | *USA* | 1 |
| 177 | 179 197 | Press-pin | | 1 |
| | 205 683 | Pressure spring | for press-pin | 1 |
| | 179 279 | Plate | for press-pin | 1 |
| | 640 033 | Screw M4x10 | for press-pin | 1 |
| | 110 186 | Ring | fixation coin insert | 3 |
| 178-179 | 180 213 | Lightbox animation, assy. | | 1 |
| 179 | 226 114 | Ropelight, assy. | | 1 |
| | | | | |



| | | | | |
|----|----------------|---|---------------------------|----------|
| | 179 200 | Title display 112, complete w/o design parts | Design parts see page 6-5 | 1 |
| | | | | |
| 1 | 179 201 | Housing, pre-mounted | | 1 |
| 2 | 212 940 | Cover mask | white | 4 |
| 3 | 179 225 | Title holder, | | 16 |
| 4 | 219 861 | Adhesive sticker | numbered 00-99 | 2 |
| 5 | 179 217 | Spacer | | 2 |
| | | | | |
| 6 | 179 251 | CB-Title display, assy. | <i>see next page</i> | 1 |
| 7 | 229 157 | Spacer for CB-Title display | LCBS-4N | 4 |
| 8 | 179 222 | Cable harness Opto-title display | 10 poles, length=130mm | 1 |
| 9 | 179 229 | Bar | | 4 |
| 10 | 179 218 | Lever, right | | 4 |
| 11 | 179 219 | Lever, left | | 4 |
| 12 | 140 908 | Retaining washer | for lever | 8 |
| | | | | |
| 13 | 179 202 | Gear unit, complete | | 1 |
| 14 | 179 213 | Motor, complete | | 1 |
| | | | | |
| 15 | 179 250 | CB-Opto, complete | | 1 |
| | 231 322 | Opto coupler | LTH-301A-N | 3 |

| | | | | |
|-------------------|---------|--------------------------------|------------------|----|
| | 179 251 | CB-Title display, assy. | | 1 |
| ST3 | 225 992 | Pin plug red | 6 poles standing | 1 |
| ST1 | 225 440 | Plug connector | 10 poles | 1 |
| ST7 | 225 873 | Sub-connector AMP-Micro-Match | 10 poles | 1 |
| IC2 | 231 805 | IC-Motor-driver | L6202 | 1 |
| IC1 | 221 771 | IC-Logic | HEF4094B | 1 |
| IC3 | 221 763 | IC-Logic | HEF4021B | 1 |
| T1 | 221 459 | Si-Transistor | PNP BC556B | 1 |
| T2, T3 | 221 492 | Si-Transistor | NPN BC517 | 2 |
| D1, D2 | 231 863 | Si-Diode | UF4004 | 2 |
| D3 | 221 114 | Si-Diode | 1N4148 | 1 |
| D5 | 221 115 | Si-Diode | 1N4004 | 1 |
| R27 | 221 620 | Resistor | 22Ω/0,34W | 1 |
| R31 | 221 600 | Resistor | 100 Ω/0,34W | 1 |
| R14 | 221 098 | Resistor | 390 Ω/0,34W | 1 |
| R28-30, R36,37 | 221 033 | Resistor | 3,3K Ω/0,34W | 5 |
| R10-13 | 221 035 | Resistor | 10K Ω/0,34W | 4 |
| R17-26, R38,39 | 221 604 | Resistor | 22K Ω/0,34W | 12 |
| R1-5 | 221 038 | Resistor | 47K Ω/0,34W | 5 |
| R32, R34 | 221 273 | Resistor | 10 Ω/0,5W | 2 |
| R33 | 231 139 | Metox-Resistor | 1,2 Ω/0,5W | 1 |
| C11, C12 | 220 344 | Ceramic capacitor | 0,022μF/63V | 2 |
| C3-10 | 220 481 | Ceramic capacitor | 0,1μF/63V | 8 |
| C13 | 220 334 | MKT-capacitor | 0,1μF/63V | 1 |
| C1,2 | 220 162 | Electrolytic-capacitor | 10μF/63V | 2 |
| C14 | 220 391 | Electrolytic-capacitor | 220μF/63V | 1 |



7 Appendix

7.1 Technical data

Electrical data

| | | |
|-------------------|--------------|-----------------------|
| Mains voltage | 120V / 230V | 50/60Hz |
| Power consumption | 100W 600W | stand-by play mode |

| | |
|------------------------------------|------------------------------|
| | each channel |
| RMS power / load (sine wave power) | 170Wrms / 8Ω 250Wrms / 4Ω |

| | | |
|--------------------------|---|---|
| Music power (tone burst) | 2 x 200W / 8Ω 2 x 300W / 4Ω 2 x 400W / 2Ω | 4 x 175W / 8Ω 4 x 250W / 4Ω 4 x 250W / 2Ω *) *) = limited by overcurrent protection! |
|--------------------------|---|---|

Operating conditions

| | | |
|-------------------------------|-------------|----------------|
| Ambient temperature operating | 10°C — 40°C | 50°F — 104°F |
| Gradient of temperature | 11°C/h | 19,8°F/h |
| Relative humidity operating | 10 % - 75 % | non condensing |

Dimension and Weight

| | | |
|----------------|--------------------------|--|
| Dimension | Width Height Depth | 970 mm/appr.38" 1620 mm/appr.64" 633 mm/appr.25" |
| Weight w/o CDs | appr. | 150 kg |

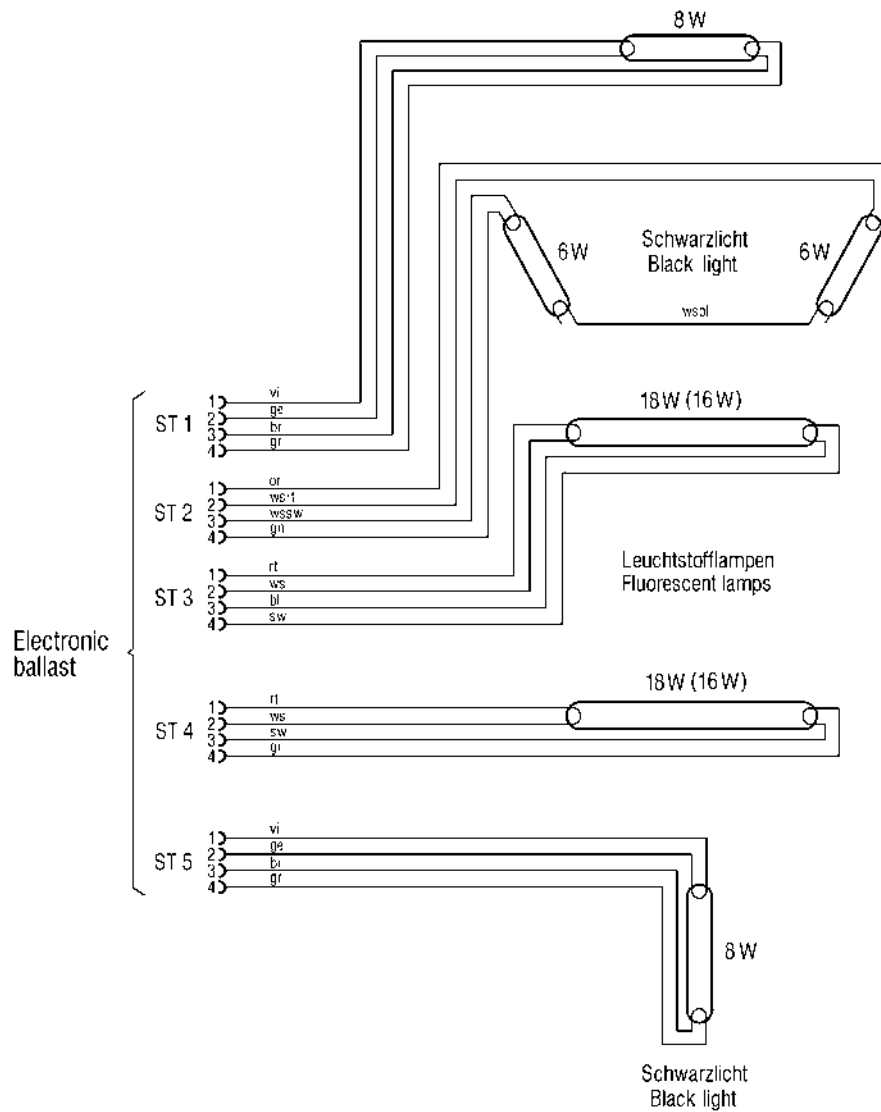
Interfaces

| | | |
|---------------------|--|------------|
| Auxiliary Interface | 2 x input | 4 x output |
| Serial interface | 1 x RS232 1 x BACTA 1 x Selector box | |

| | |
|-----------------|--------------------------------|
| Operators panel | 16 key keyboard LCD-display |
|-----------------|--------------------------------|

7.2 Wiring diagram

Wiring diagram Illumination for phonograph "COSMIC BLAST"



Farbspiegel
Color code

| | | |
|----|---------|--------|
| ws | weiß | white |
| bl | blau | blue |
| br | braun | brown |
| ge | gelb | yellow |
| gn | grün | green |
| gr | grau | grey |
| or | orange | orange |
| rs | rosa | pink |
| rt | rot | red |
| sw | schwarz | black |
| vi | violett | violet |

Farbangaben ohne Gewähr.
Color indication without warranty.

ÄNDERUNGEN IM SINNE DES TECHN. FORTSCHRITTES VORBEHALTEN,
JEDOCH KEINE NACHRÜSTPFLICHT !

SUBJECT TO TECHNICAL MODIFICATION WITHOUT OBLIGATION
TO MODIFY EQUIPMENT ALREADY DELIVERED !

NSM *M.U.S.I.C* ES VI TECHNOLOGY

| | |
|----------------|--------------|
| Schaltbild | Beleuchtung |
| Wiring diagram | Illumination |

COSMIC BLAST

| | | | |
|----------|--------|------|------|
| 20.06.00 | Brauc. | Vies | Vies |
|----------|--------|------|------|


7.3 Service branch

Necessary service is supported by your distributor.

| | | |
|------------------|-----------|--------------------|
| Hot-line: | ☎ GB | 0044 113 271 37 08 |
| | ☎ USA | 001 630 860 51 00 |
| | ☎ Germany | 0180 22 56 39 36 |

7.4 Declarations

7.4.1 CE-declaration

| |
|--|
|  <p>EC-DECLARATION OF CONFORMITY per 89/ 336 / EEC.</p> <p>This is to confirm that the product</p> <p>phonograph ESVI-technology</p> <p>is conform with the following standards or other normative documents:</p> <p>EN 55022 EN 55024</p> <p>Our quality assurance system assures compliance.</p> <p>NSM Music GmbH</p> <p>D-55411 Bingen am Rhein, Germany</p> |
|--|

7.4.2 FCC declaration

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any change or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the user's authority to operate such equipment.

7.5 Catchword register

| | | | |
|------------------------------|-----|----------------------------|-----|
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| CD trays | | Wired..... | 3-6 |
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| Quantity delivered..... | 4-2 | Title display unit | 4-7 |
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