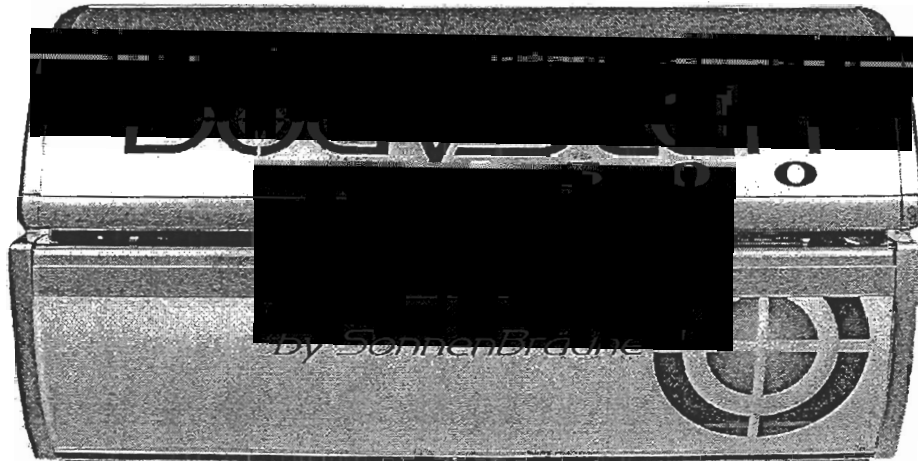


ASSEMBLY & OPERATING MANUAL

BodyScan® 4500/4

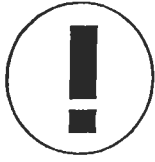


SonnenBräune.

SonnenBräune, Inc.
6362 Battlefield Parkway
Ringgold, Georgia 30736 USA
800-829-6533
www.sonnenbraune.com

Volume Edition 1/01

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> **WARNING LABEL - PLEASE READ**

Located on tanning bed canopy -
Please read important safety information
relating to the proper operation of this
equipment.

DANGER: ULTRAVIOLET RADIATION, FOLLOW INSTRUCTIONS, AVOID OVER EXPOSURE, AS WITH
NATURAL SUNLIGHT, OVEREXPOSURE CAN CAUSE EYE AND SKIN INJURY AND ALLERGIC REACTION.
REPEATED EXPOSURE MAY CAUSE PREMATURE AGING OF THE SKIN AND SKIN CANCER.

**WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY
RESULT IN SEVERE BURNS OR LONG-TERM INJURY
TO THE EYES**

**CAUTION! EXPOSURE
POSITIONS OTHER
THAN SPECIFIED CAN
BE HARMFUL AND ARE
NOT RECOMMENDED**

THIS PRODUCT IS IN CONFORMITY WITH PER-
FORMANCE STANDARDS FOR SUNLAMP PRO-
DUCTS UNDER NO. 21 CFR SUBCHAPTER J.

MEDICATION OR COSMETICS MAY INCREASE YOUR
SENSITIVITY TO THE ULTRAVIOLET RADIATION.
CONSULT PHYSICIAN BEFORE USING SUNLAMP IF
YOU ARE USING MEDICATIONS OR HAVE A HISTORY
OF SKIN PROBLEMS OR BELIEVE YOURSELF
ESPECIALLY SENSITIVE TO SUN LIGHT. IF YOU DO
NOT TAN IN THE SUN, YOU ARE UNLIKELY TO TAN
FROM THE USE OF THIS PRODUCT.

SKIN TYPE	RECOMMENDED EXPOSURE SCHEDULE:				BIWEEKLY MAINTENANCE SESSIONS
	WEEK 1 SESSIONS 1-3	WEEK 2 SESSIONS 4-6	WEEK 3 SESSIONS 7-10	WEEK 4 SESSIONS 11-15	
II FAIR	2 MIN.	4 MIN.	6 MIN.	8 MIN.	10 MIN.
III MEDIUM	2 MIN.	4 MIN.	6 MIN.	8 MIN.	10 MIN.
IV DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.	12 MIN.
V VERY DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.	12 MIN.

MAXIMUM USE TIME: 12 MINUTES

IN MOST CASES, TANNING WILL APPEAR WITHIN SIX HOURS OF THE FIRST APPLICATION, PROVIDED YOUR
SKIN IS CAPABLE OF DEVELOPING A TAN. A MOISTURIZER MAY BE USED AFTER EACH TANNING SESSION.
THIS SYSTEM IS INTENDED TO BE USED ONLY WITH THE WOLFF SYSTEM BODYSCAN XXR F71/R160W BIPIN,
AND COSMEDICO ARIANA HP-1000W.

THIS DEVICE IS INTENDED TO BE USED BY ONE
PERSON AT A TIME. YOU MAY LIE DIRECTLY ON
TANNING SURFACE.

THE MINIMUM EXPOSURE POSITION IS 0.5 IN. (1.27CM)
FROM THE LAMP'S SURFACE (PRESET BY THE
MANUFACTURER). READ THE INSTRUCTION
BOOKLET BEFORE USING THIS DEVICE.

SKIN TYPE II - THIS IS THE INDIVIDUAL THAT USUALLY
BURNS EASILY AND SEVERELY, TANS MINIMALLY OR
LIGHTLY AND PEELS.
SKIN TYPE III - OFTEN REFERRED TO AS "AVERAGE"
COMPLEXION, BURNS MODERATELY AND TANS ABOUT
AVERAGE.
SKIN TYPE IV - THIS INDIVIDUAL BURNS MINIMALLY,
TANS EASILY AND ABOVE AVERAGE.
SKIN TYPE V - THIS INDIVIDUAL'S SKIN RARELY BURNS,
TANS EASILY AND SUBSTANTIALLY.

FOR PARTS AND SERVICE CALL:
SonnenBraune, Inc.
Ringgold GA
1-800-829-6533

CONTENTS FOR ASSEMBLY AND OPERATION:

2	WARNING LABEL - PLEASE READ
4	WELCOME
5	PACKING LIST & TECHNICAL DATA
6	BEFORE ASSEMBLY INSTRUCTIONS
8	INSTALLATION
9	TIMER PLUG & AIR CONDITIONING
10	DISPOSAL OF PACKAGING & TANNING LAMP DATA
12	SAFETY INSTRUCTIONS FOR OPERATION
13	HEALTH DANGERS
14	RECOMMENDED EXPOSURE TIMES
15	FACIAL TANNER EXPOSURE & INFORMATION
16	TIMER AND ELECTRICAL CONNECTIONS
17	VENTILATION INFORMATION & SWITCH ARRANGEMENT
17	CLEANING UNIT
19	REPLACING HIGH PRESSURE LAMPS
20	CHANGING FILTERS
21	TROUBLESHOOTING
22	DISPOSAL OF LAMPS & SPARE PARTS
23	WIRING DIAGRAMS



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web: www.sonnenbraune.com
email: sales@sonnenbraune.com

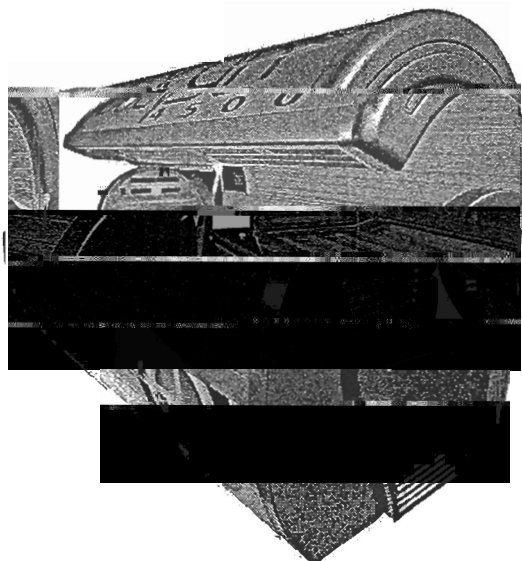


Congratulations on the purchase of your SonnenBräune tanning bed. Your new BodyScan 4500 is one of the finest crafted, most dependable and highly profitable beds available on the market today. We pride ourselves not only on the high standards we uphold in the design and development of these beds, but also on the quality control and customer service we offer in production and throughout installation and operation.

Of course, you purchased this bed because you have faith in our product and what it can do for your salon. This BodyScan was developed to make your salon more profitable. Paired with your salon's advertising and promotion, this bed can help you bring in more customers by offering exotic SonnenBräune features, and increasing your turn around through faster tan times.

And, no matter where you are in the world, there is a SonnenBräune distributor to serve you. Our worldwide network was developed to serve the global demand for our product. So if you ever have a question regarding your SonnenBräune tanning bed, feel free to call your personal distributor, or contact SonnenBräune by phone or through the internet at sales@sonnenbraune.com. You can also visit our web site for more information about the entire line of SonnenBräune products and the latest innovations at www.sonnenbraune.com.

Thanks for purchasing your SonnenBräune bed...
The Solar System beyond.



Packing List

- 1 x Plastic part, head endcap
- 1 x Plastic part, foot endcap
- 1 x Cushion
- 1 x Accessory bag with screws
- 1 x Assembly and operating instructions with circuit diagram and pairs of sunglasses
- 1 x Packing docket

Product Specifications & Technical Data

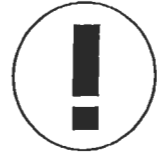
BodyScan by SonnenBräune	4500/4	4500/4 with Air Cond.
Premium Color	Planetary silver	Planetary silver
Reflector tubes in the canopy (#/watts)	27 @ 160W	27 @ 160W
Reflector tubes in the bench (#/watts)	18 @ 160W	18 @ 160W
BeautyMetic facials in the canopy (#/watts)	4 @ 1000W	4 @ 1000W
Extra shoulder tanning soft sun booster tubes	yes	yes
Mechanical lift and lower of canopy with gas pistons	yes	yes
Electrical supply required	3 phase & earth	3 phase & earth
Approximate power in watts	13,800W	15,700W
Recommended breaker rating	3 @ 50 amps	3 @ 50 amps
Noise level	64dB (A)	64dB (A)
Solarium tan time	12 minutes	12 minutes
Totally filtered air cooling system	yes	yes
Waste air hose with reuseable hot air adjustment	yes	yes
Hose connection	12"	12"
Total amount of air in the waste air channel (m3/h)	142 cu.ft.	142 cu.ft.
Pivoting facial filter glass for quick change of lamps	yes	yes
Pillar at foot end with illuminated logo courtesy light	yes	yes
Body cooling from the head section pillar	yes	yes
Conditioned air (tanning surface & body coolers)	optional	optional
Electrical component service tray	yes	yes
Tanning surface with double acrylic decks	yes	yes
Appliance measurements completely assembled	88" x 49"	88" x 49"
Tanning Surface Area	70" x 34"	70" x 34"
Tunnel Height	17"	17"
Height Closed/Open	5'	5'
Approximate ship weight in lbs.	1,040 lbs.	1,100 lbs.
Appliance construction	steel	steel
Certification code	ETL	ETL
Suggested minimum solarium room size	10' x 10'	10' x 10'

> Before Assembly

The assembly instructions provide important safety directions and information necessary for the correct assembly of the unit. Please read the assembly instructions completely and carefully.

For Your Safety During Assembly

- Danger of injury by sharp edges. Be sure to wear safety shoes and gloves when assembling the unit.
- Danger of electrocution. Never take the safety equipment out of operation.
Never bypass the safety equipment. Ineffective safety equipment could cause harm.
- Work on the electrical supply may only be performed by qualified electricians.
This work must be performed in compliance with electrical rules and regulations.
- Use only original fuses with the specified voltage and current ratings.
- When installing the unit, ensure that the color codings of the plugs and sockets match.
- The voltage of the power source must conform to the specifications of SonnenBräune, Inc.
- Do not put the unit into operation if the power lead or the unit is damaged.
- Protect the cables against heat and moisture.

**Transport Damage**

Check that the unit has been delivered in an good, undamaged condition immediately upon arrival of shipment. Inform the delivery service of any transport damage or missing items. Compare the delivered parts with the packing list. If there is damage, the damage report should be made immediately, at least within four days of delivery. The notification period begins on the date of delivery. For easier clarification, damage should be photographed.

Notes on Transport Before Assembly

- When transporting, loading or unloading the unit, special care and consideration is necessary. Never use force.
- Do not transport the unit in an assembled condition.
- Only remove the packing material and the transport braces at the final location.
- Replace damaged or worn parts.
- Use only original parts.

Installation Site

- Place the unit in a dry room protected against water spray and drops.
The air humidity must not exceed 70% at the maximum permissible room temperature of 82.4° F
- The ceiling of the room in which you intend to install the unit must be open for ventilation.
- Always ensure sufficient air circulation in the room.

Intended Use

The tanning unit is intended exclusively for cosmetic tanning of the human skin. Other use is not intended. The manufacturer will not accept liability for damages caused by misuse.

The intended use includes:

- The observation of all notes in the assembly and operating instructions.
- Compliance with the specified cleaning and maintenance work.

Assembly Directions

Depending on your room space, the unit must first be dismantled in at least two components (canopy / bench) before the actual assembly. Instructions for this are to be found on the following pages. If necessary, the bed must be separated from the base. Instructions for this are to be found on page 8.

ELECTRICAL REQUIREMENTS & SAFETY

> SPECIAL ELECTRICAL REQUIREMENTS FOR SONNENBRÄUNE TANNING EQUIPMENT

Must operate on 220 VAC 60 Hz 3-phase only.

Use a qualified electrician to connect this unit to your electrical supply! Your SonnenBräune bed must run between 215 to 225 volts. Do not operate this unit outside of recommended voltage range to avoid damage to unit and void of all warranty terms. Please give this information to electrician before installation and have him/her take a digital voltage reading on incoming power supply to determine exact voltage. If voltage is not between 215 and 225 volts, you need to purchase a "buck boost" transformer which is available from SonnenBräune. This transformer will regulate incoming voltage to the correct level. This is extremely important to ensure that unit is operating properly and to avoid future problems. Keep air vents clear and uncovered to avoid overheating of unit.

Danger of Overheating

- This unit can overheat if adequate cool air is not supplied.
- Never cover ventilation slots or hot air outlet openings of the cooler fan. If fan fails, switch off unit immediately.

Danger of Burns

- Elements of the unit get hot! Never touch the facial glass or lamps during tanning.
- The unit must fully cool before cleaning or maintenance work is done.

CAUTION!

Do not operate this equipment without all Guards, End-caps, Filters, Front Panel, etc. installed on unit. Doing so can cause **serious damage** to your tanning bed!



DO NOT ATTEMPT TO REPAIR your SonnenBräune bed without first notifying your distributor or the SonnenBräune Service Center so an evaluation of electrical service may be determined. Provide this diagram to the certified technician if necessary.

If any servicing or replacement parts are required, call your distributor or the SonnenBräune Customer Service Center.

SonnenBräune, Inc., 6362 Battlefield Parkway, Ringgold, GA 30736
800-829-6533 or fax 706-937-5609

If for any reason, you encounter technical problems, please call your distributor for assistance. If further customer assistance is needed, call SonnenBräune, Inc. at 800-829-6533.

All electrical testing and installation of parts must be performed by a certified electrical technician. Your electrician should contact SonnenBräune's Service Dept. prior to making any adjustments or repairs.

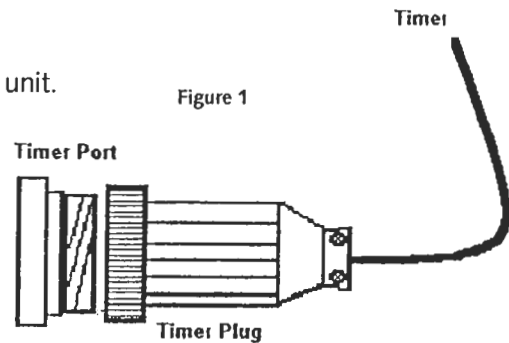
Abuse or misuse of this tanning equipment, other than specified in this manual, could and will void the product warranty. All repairs must be performed by a SonnenBräune approved electrical technician. All warranty conditions could be voided if this procedure is not followed! SonnenBräune will not be responsible for improperly maintained, old or worn out parts or non-certified replacement parts. Only use replacement parts specified in this manual or call SonnenBräune at 800-829-6533 for more information.





Timer Plug

- Connect the Timer Plug to the Timer port that is located on the foot end of the tanning unit next to where the power enters the unit.
- Mount the front right panel of the base (see Figure 3).
- Insert the macrolon plate (see Figure 7).
- Place the right/left covers on the plastic end parts.



Basic Units Only

- Set the timer on the front of the base. Recommended: Tanning Salon opening times (see Figure 9, Item 1).
- Insert the timer and the plug for the logo and end part lighting (see Figure 9, Item 2).
- Insert the macrolon plate base and lock it.
- Connect the 300 mm diameter outlet hose. The connection can be made at either the left or right.
- Push the unit into its final position.

Note: the logo in the column lights only when the unit is switched off.

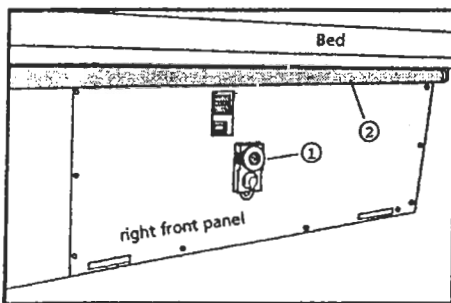


Figure 9



Figure 10

Air Conditioners (optional)

The air conditioner is located in the unit case on the left side. The default setting of the highest cooling and fan performance is adjusted. If the discharge flow of air suddenly becomes too cold, it's possible to switch off unit.

Notes for Salon Personnel

The air conditioner is maintenance free, although it is reasonable to replace the filter mat at the air intake point regularly. When the unit is started, the air conditioner also starts. Condensation develops in the air conditioner, part of which evaporates and part of which is removed by a condensation pump. Therefore, check the water level in the condensation cylinder on humid days. This is located behind the left front side panel.

Retrofitting the Air Conditioner

You have ordered a sunbed without an air conditioner and now wish to retrofit it with one. The connections of the sunbeds are prepared so that air conditioner can be installed easily. (see page 11 - Figure 12).

Attention: Air conditioners contain CFC

All repairs to the air conditioner must be performed by an air conditioner technician. Fregen R22 ozone-destructive is used as the refrigerating agent.

Disposing of the packing

With the exception of wooden materials, packing materials and packing aids can be recycled and should always be reused.

Paper, cardboard and corrugated cardboard packing materials, plastic packing parts and metal packing parts should be deposited in the appropriate collection containers. If these are not in place in your area, you can put these materials in with normal household waste.

We use only plastics capable of recycling as packing aids, e.g.

The symbols read:

PE for polyethylene (02=PE-HD; 04PE-LD)

PP for polypropylene (05)

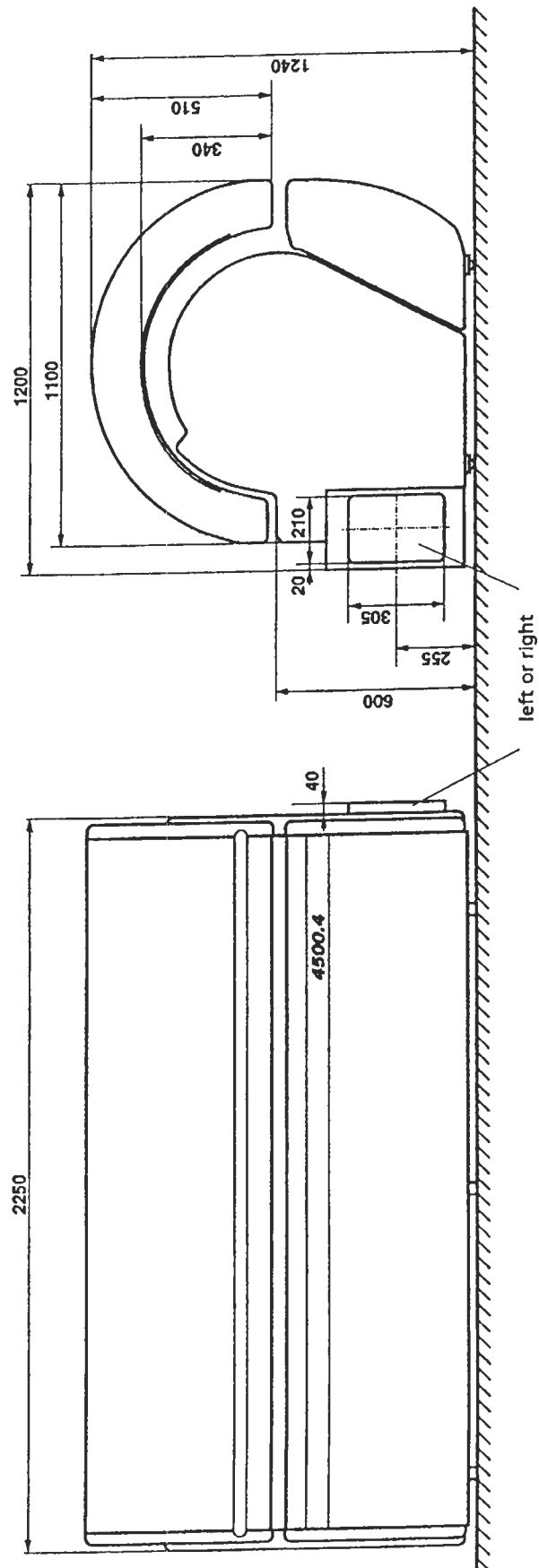
PS for polystyrene (06)

**4500/4 TANNING LAMPS****Original Spare Parts**

BENCH:	BodyScan-XXR® 160W F71/R BiPin	Quantity: 18
CANOPY:	BodyScan-XXR® 160W F71/R BiPin	Quantity: 27
FACIALS:	Cosmedico Ariana HP 1000 Part No. 17279	Quantity: 4
FACIALS:	Enhanced by BeautyMetic Blue Glass System for better efficiency and lamp life.	

Connection Facilities for Air Outlet Hose

Figure 11



>Operating Instructions

This unit complies with the accepted rules of technology and the pertaining ETL safety regulations.

This unit is screened in compliance with the EMT guidelines (electromagnetic tolerance).

SAFETY DIRECTIONS

Observe the safety directions in the assembly instructions.



General Dangers

- Never allow unsupervised children to use the unit.
- Use the unit only when it has no visible deficiencies.
- Use the unit only when all safety and protective devices such as facial glass is installed and in order.
- Materials which fade in sunlight (e.g. paintings) should not be exposed to the UV light of this unit.



Danger of Overheating

- This unit can overheat if adequate cool air is not supplied.

Never cover the ventilation slots or hot air outlet openings of the cooler fan. If the fan fails, switch off the unit immediately.

Danger of Burns

- Elements of the unit get hot! Never touch the facial glass or lamps during tanning.
- The unit must fully cool before cleaning or maintenance work is done.

CAUTION!

Do not operate this equipment without all Guards, End-caps, Filters, Front Panel, etc. installed on unit. Doing so can cause **serious damage** to your tanning bed!

DANGER: ULTRAVIOLET RADIATION, FOLLOW INSTRUCTIONS, AVOID OVER EXPOSURE, AS WITH NATURAL SUNLIGHT, OVEREXPOSURE CAN CAUSE EYE AND SKIN INJURY AND ALLERGIC REACTION. REPEATED EXPOSURE MAY CAUSE PREMATURE AGING OF THE SKIN AND SKIN CANCER.

WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONG-TERM INJURY TO THE EYES

MEDICATION OR COSMETICS MAY INCREASE YOUR SENSITIVITY TO THE ULTRAVIOLET RADIATION. CONSULT PHYSICIAN BEFORE USING SUNLAMP IF YOU ARE USING MEDICATIONS OR HAVE A HISTORY OF SKIN PROBLEMS OR BELIEVE YOURSELF ESPECIALLY SENSITIVE TO SUN LIGHT. IF YOU DO NOT TAN IN THE SUN, YOU ARE UNLIKELY TO TAN FROM THE USE OF THIS PRODUCT.

SKIN TYPE	RECOMMENDED EXPOSURE SCHEDULE:			
	WEEK 1 SESSIONS 1-3	WEEK 2 SESSIONS 4-6	WEEK 3 SESSIONS 7-10	WEEK 4 SESSIONS 11-15
II FAIR	2 MIN.	4 MIN.	6 MIN.	8 MIN.
III MEDIUM	2 MIN.	4 MIN.	6 MIN.	8 MIN.
IV DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.
V VERY DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.

MAXIMUM USE TIME: 12 MINUTES

IN MOST CASES, TANNING WILL APPEAR WITHIN SIX HOURS OF THE FIRST APPLICATION. PROVIDED YOUR SKIN IS CAPABLE OF DEVELOPING A TAN, A MOISTURIZER MAY BE USED AFTER EACH TANNING SESSION. THIS SYSTEM IS INTENDED TO BE USED ONLY WITH THE WOLFF SYSTEM BODYSCAN XTR F71R180W BIPIN, AND COSMEDICO ARIANA HP 1000W.

CAUTION! EXPOSURE POSITIONS OTHER THAN SPECIFIED CAN BE HARMFUL AND ARE NOT RECOMMENDED

THIS PRODUCT IS IN CONFORMITY WITH PERFORMANCE STANDARDS FOR SUNLAMP PRODUCTS UNDER NO. 21 CFR SUBCHAPTER J.

THIS DEVICE IS INTENDED TO BE USED BY ONE PERSON AT A TIME. YOU MAY LIE DIRECTLY ON TANNING SURFACE.

THE MINIMUM EXPOSURE POSITION IS 0.5 IN. (1.27CM) FROM THE LAMP'S SURFACE (PRESET BY THE MANUFACTURER). READ THE INSTRUCTION BOOKLET BEFORE USING THIS DEVICE.

SKIN TYPE II - THIS IS THE INDIVIDUAL THAT USUALLY BURNS EASILY AND SEVERELY, TANS MINIMALLY OR LIGHTLY AND PEELS.

SKIN TYPE III - OFTEN REFERRED TO AS "AVERAGE" COMPLEXION, BURNS MODERATELY AND TANS ABOUT AVERAGE.

SKIN TYPE IV - THIS INDIVIDUAL BURNS MINIMALLY, TANS EASILY AND ABOVE AVERAGE.

SKIN TYPE V - THIS INDIVIDUAL'S SKIN RARELY BURNS, TANS EASILY AND SUBSTANTIALLY.

FOR PARTS AND SERVICE CALL:

SonnenBatterie, Inc.
Ringsold GA
1-800-829-6533

Health Dangers

- It is essential that you do not exceed the initial and maximum tanning times specified on page 14.

Attention: the tanning times are based on the skin type (see table of tanning times).

- If you have a skin disorder, consult your doctor prior to tanning.
- Do not use UV radiation units if you have an abnormal skin reaction caused by intensive sunlight.
- If irritations or blisters appear on the skin after tanning, consult your doctor.
- Persons with pacemakers should consult their doctor to determine whether exposure to radiation in UV radiation is harmless to them.
- Protect your eyes. Always use suitable eye protection during tanning. Close your eyes during tanning. Unprotected eyes can develop surface irritations. Excessive radiation can damage the retina or lead to loss of sight.
- Do not use sunscreen. Modern tanning units emit mainly UVA radiation. Sunscreens protect the skin against UVB radiation only. UVB radiation causes sunburn 100-1000 times more severe than UVA radiation.
- Remove cosmetics applied to the skin several hours before tanning.

UV Radiation and Drug Interactions

- Medicines which seriously increase UV sensitivity are antibiotics, psychopharmaceuticals, diuretics, etc. Persons taking these types of drugs have a lower threshold for tanning, phototoxic and photoallergene skin reactions. Consult your physician prior to using a tanning bed.

Examples of Medicines Which Can Cause Increased Sensitivity to UVRadiation

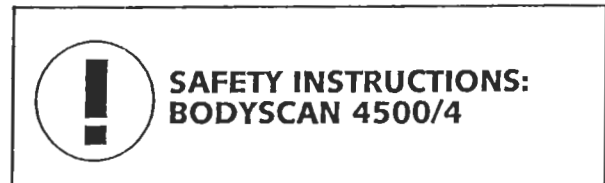
(phototoxic and photoallergene reactions):

> External Applications (brand names)

- Dermatics
- Antimykotics (Multifungin)
- Photochemotherapeutics (Meladinin)

> Internal Applications (brand names)

- Antidiabetics (Euglucon, Rastinon)
- Chemotherapeutics
- Antibiotics (Tarivid, Ciprobav, Nogram)
- Antimalaria agents / antirheumatics (Resochin)
- Antimalarial agents (Lariam)
- Neuroleptics / antihistamines (Atosil, Neurocil, Psyquil, melleril, Taxilan)
- Diuretics (Esidrix, DytideH, Moduretik)
- Antihistamines (Soventol)
- Antitussives (Benadryl) Safety Directions



Observe the safety directions in the assembly instructions.

General Dangers

- Never allow unsupervised children to use the unit.
- Use the unit only when it has no visible deficiencies.
- Use the unit only when all safety and protective devices such as filter plates are installed and in order.
- Materials which fade in sunlight (e.g. paintings) should not be exposed to the UV light of this unit.

>Operating Instructions



The tanning units are equipped with special UV radiation lamps which generate little UVB radiation for the development of pigments and a high proportion of mild UVA tanning radiation.

- The skin is tanned inside the shortest possible time by the optimum composition of the radiation and the danger of sunburn is avoided.
- Apart from the cosmetic effect of the tanned skin, healthy vitamin D3 is created by moderate tanning. This can have a healing effect on metabolic disorders, rachitis and colds. Furthermore, a favorable effect can be achieved against skin diseases such as acne or seborrhoea.
- The optimum properties of the tanning units can only be achieved when the user possesses the normal conditions for tanning.
- After tanning, it is advisable to use a skin lotion.
- The thickness of the skin is not equal on all parts of the body. This results in differing light sensitivity. In the region of thin parts of the skin (e.g. the female breast), the tanning time should be reduced or sensitive parts of the skin should be covered when a part of the tanning period has expired.
- The attainment of an optimum tan depends on the skin type. This requires a tanning series of five to 10 sessions. Approximately two sessions per week are sufficient to maintain the achieved tan.
- If the skin reacts sensitively (skin tension), you should reduce the tanning period or temporarily interrupt a tanning session.
- In cases of insomnia, the sessions should be taken in the mornings.
- Overly excessive UV sessions in sunlight or with UV units can cause damage to the skin or eyes.
- The skin can become sunburnt after excessive exposure to radiation. Excessive UV sessions in sunlight or with UV units can lead to premature aging of the skin and to an increased risk of skin tumors.

Skin Types

The human skin reacts differently to exposure to UV light depending on the skin type. The recommended tanning times specified in the table are not generally applicable, but depend on the skin type. To find the correct tanning time for you (see table of tanning times), choose the appropriate skin type for yourself.

Skin type II: This is the individual that usually burns easily and severely, tans minimally or lightly and peels.

Skin type III: Often referred to as average complexion, burns moderately and tans about average.

Skin type IV: This individual burns minimally, tans easily and above average.

Skin type V: This individual's skin rarely burns, tans easily and substantially.

SKIN TYPE	RECOMMENDED EXPOSURE SCHEDULE:				
	WEEK 1 SESSIONS 1-3	WEEK 2 SESSIONS 4-6	WEEK 3 SESSIONS 7-10	WEEK 4 SESSIONS 11-15	BI-WEEKLY MAINTENANCE SESSIONS
II FAIR	2 MIN.	4 MIN.	6 MIN.	8 MIN.	10 MIN.
III MEDIUM	2 MIN.	4 MIN.	6 MIN.	8 MIN.	10 MIN.
IV DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.	12 MIN.
V VERY DARK	4 MIN.	8 MIN.	10 MIN.	12 MIN.	12 MIN.

This exposure schedule provides information on tanning times, depending on the skin type and specific unit.

- Do not exceed the specified tanning times.
- In the first 50 to 80 hours of operation, the unit generates approximately 20% higher power. Reduce the session times specified in the table by approximately 20%.
- The interval between two sessions should be at least 48 hours.
- Avoid additional sunbathing on the days of the sessions.

The specified tanning times apply only for the following high-pressure and tanning lamps – (behind BeautyMetic Facial Glass) in corresponding quantities:

- Canopy Tanning Lamps - 27 x BodyScan XXR® 160w**
- Bench Tanning Lamps - 18 x BodyScanXXR® 160w**
- Intensive Facial Tanner - 4 x Cosmedico® Ariana HP 1000**

> INSTALLATION

Notes on transport, assembly and connection of the unit are found in the previous assembly instructions.

- The voltage of the power source must comply with the specifications of SonnenBräune, Inc.

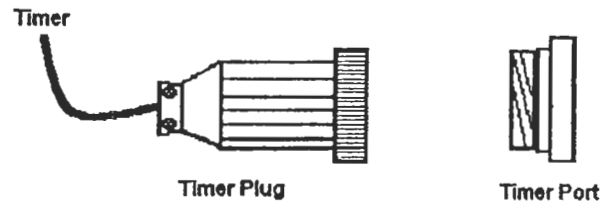
Electrical Connection

These UVA combinations are intended for connection to a 3-phase direct wired.

Fuses of the unit: 4500/4 3 x 50 amp

Timer Connection

To connect the timer to your tanning unit, you must first locate the timer on bed model 4500/4. The timer port is located on the foot end of the unit where the power is supplied to.

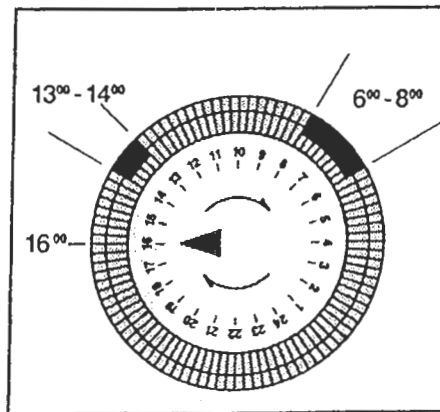


The Exhaust System

Standard design: Exhaust outlet to the right, left, rear right or rear left from the outlet duct with an outlet hose 300mm. The warm air return flap in the air duct can be adjusted as required in any air outlet.

Timer Setting for Logo and Indirect Compartment Lighting

With the timer, both the logo lamp (in the end at the foot of the unit) and the indirect compartment lighting (behind the filter flap in the base) are switched on and off.

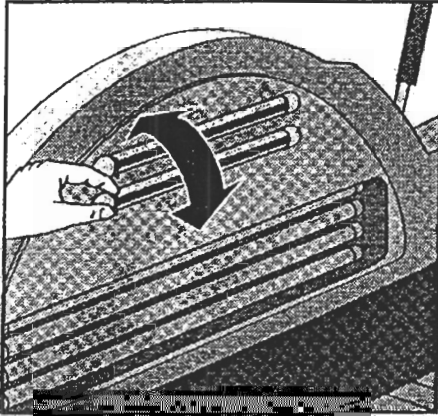


Permanent Operation

Press the slide switch at the side.

Interval Operation

- Set the starting time by pressing the slide
- Set the current time to the marking ◀

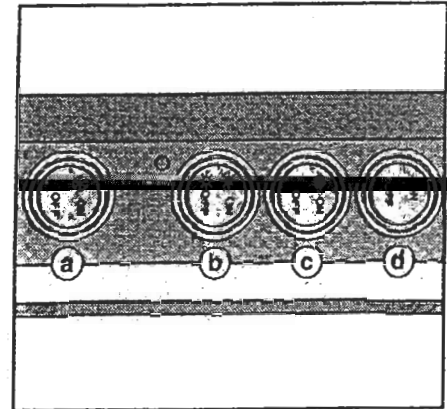


Head and Bed Surface Ventilation and Shoulder Tanners

Two air nozzles are located in the head column of the unit, which can be adjusted individually. Depending on the design, the required air is produced by a high-performance fan or an air conditioner whose air stream passes partly under the acrylic and partly out of the air nozzles.

Switch Arrangement

- A. Button for air conditioner ON/OFF (optional)
(ON with two-minute delay).
- B. (D.) Facial lamps ON/OFF.
- C. Head ventilation half or full power.
- D. ON/OFF Power Control



> CLEANING



**SAFETY WARNINGS:
FOR CLEANING UNIT**

Danger of electrocution. Always disconnect main power before cleaning.

Danger of burns. Elements of the unit become hot. Allow the unit to cool before cleaning.

Material Damage. Never clean the unit with scouring cream or aggressive cleaning agents. Do not use disinfectants such as ammonia or similar products. Clean the unit with a damp cloth and recommended cleaners only.

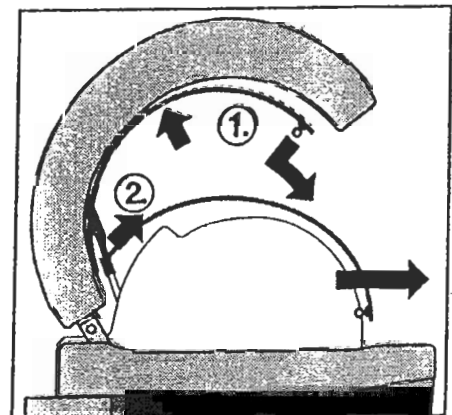
Cleaning the Acrylic of the High-Pressure Lamps

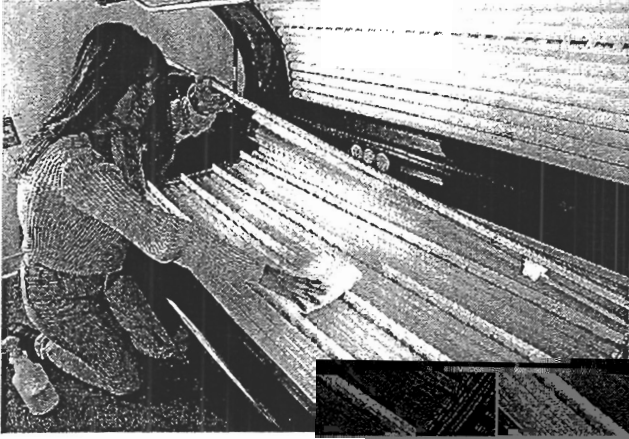
Clean the glass with a damp cloth. Use only recommended cleaners.

- Disengage the lock for the acrylic with the key.
- Now press lightly with the ball of your hand at position 1 and swivel the glass downwards by the key.
- You can now lift out the acrylic (if desired) - as shown in position 2.

If you only fold out the glass for cleaning instead of removing it, place a cloth on the bed acrylic beforehand to avoid scratching the surface.

- Clean the acrylic and replace it in the reverse order.





Cleaning the Acrylic in the Canopy

Clean the acrylic with a damp cloth and use only recommended cleaners.

- Open the three catches with the aid of a coin, pressing lightly on the glass with the other hand to prevent it from falling onto the bed acrylic. Then, pull the acrylic out of the retaining strip.
- Clean the acrylic from both sides and replace it in the reverse order.

Cleaning the Bench Acrylic

- Open the bed catches with the aid of a coin.
- Then lift off the bench acrylic and stand it on its end.
- After cleaning the inside, replace the acrylic, observing that the guide lugs of the acrylic retaining strip are engaged in the provided recesses.
- Then lower the bench acrylic and lock the catches.

Operate the unit only when all safety and protective equipment such as the acrylic is reinstalled.



SAFETY WARNINGS: DURING MAINTENANCE & CARE

Danger of electrocution. Always disconnect the main power before beginning maintenance work.

Danger of burns. Elements of the unit become hot. Allow the unit to cool completely before performing maintenance work.

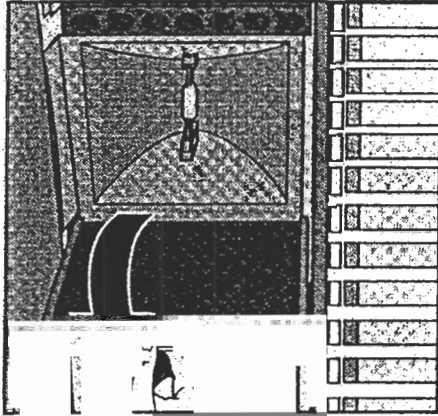
Material Damage. If parts made by other manufacturers are used, this can influence the performance and functions of the unit.

Never use normal florescent lamps in the unit.

Use only original spare parts.

Information on the lamps. The tanning lamps can have different shades of color. After long operation, dark spots can occur at the ends of the lamps. This has no effect of the performance and life of the lamp.

Figure A



Replacing the High-Pressure Lamps

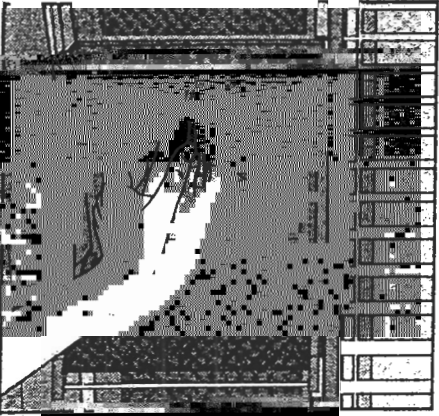
Danger of burns. The high-pressure lamps become very hot. Allow the lamps to cool completely before replacing them.

Never operate the facial tanner without facial glass.

- Remove the glass as described in "Cleaning" section of manual.
- Then fold open the facial glass by lightly pulling the plastic strip (see Figure A).
- Press the high-pressure lamp lengthwise against the socket. The sockets are spring loaded and retract.

If the high-pressure lamp needs to be replaced, please use only the same type of lamp.

Figure B



To replace:

- Open the filter glass.
- Unscrew the reflector (1 screw) (see Figure B).
- Remove the reflector.
- Pull apart the plug connector (see Figure C).
- Unscrew a wire from the plug connector.

Tanning units can become very hot. Allow unit to cool prior to changing facial tanning lamps.

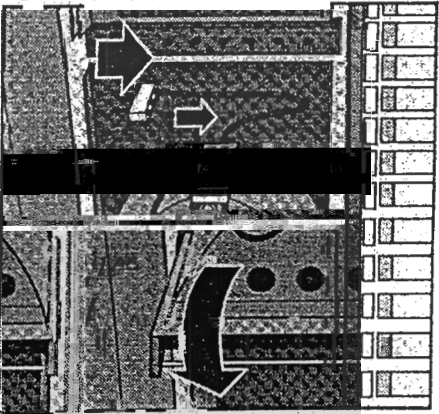
- Remove the lamp from the reflector housing.

When inserting new high-pressure lamps, ensure that you do not touch them with your fingers. To protect the high-pressure lamp, grip it only with a dry cloth.

- Clean dirty high-pressure lamps with recommended cleaners.
- Replace defective high-pressure lamps and return it to the socket.

Assembly is performed in the reverse order.

Figure C



Replacing the Reflector Lamps

Before beginning to replace the reflector lamps, switch off the unit.

- Fold the canopy open.
- Open the filter flap of the unit case.
- Switch off the main power.

Begin by removing the acrylics as described in chapter "Cleaning" on page 17. The reflector lamps can then be removed by rotating them 90% in either direction (see Figure D).

When inserting the reflector lamps, please observe that the coating points towards the housing and that the marking on the reflector lamp is aligned with the socket (see Figure E).

Figure D

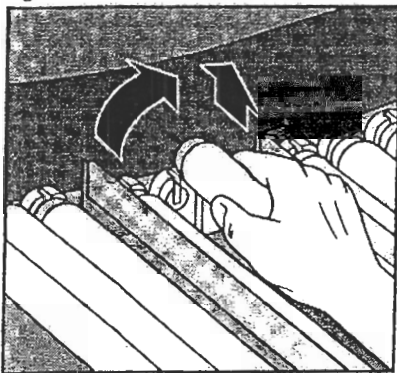
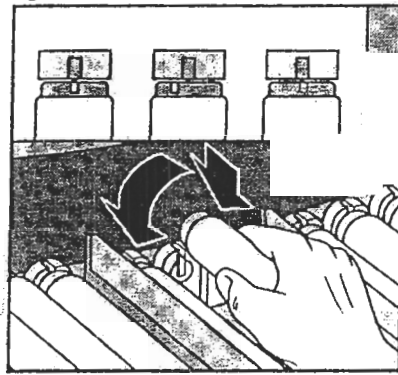


Figure E



Changing Filters

Clean or replace the filter mats at regular intervals. Deep carpets or rooms without air exhausts cause the filters to become dirty more quickly. Your unit has two central filter points:

1. Canopy hot air exhaust (Figure F, G)
2. Bed and unit case hot air exhaust (Figure H).

Replacing Filter Mat A

Filter mat: order number 16091 black; dimensions: 135 x 1050 x 10mm (2 per unit).

- Figure F shows the retaining acrylic under which the filter mat is located. Disengage the two twist catches at the bottom of the filter flap and swivel this open in the indicated direction. You can now replace the filter mat.

Replacing the Filter Mat B

Filter mat: order number 16090; dimensions: 105 x 1050 x 10mm (2 per unit)

Figure F

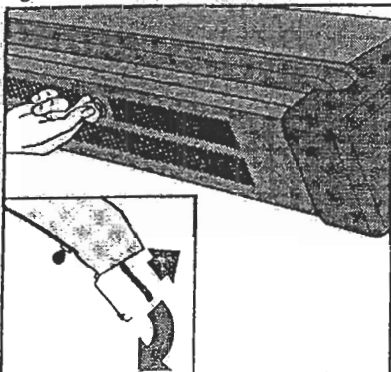


Figure G

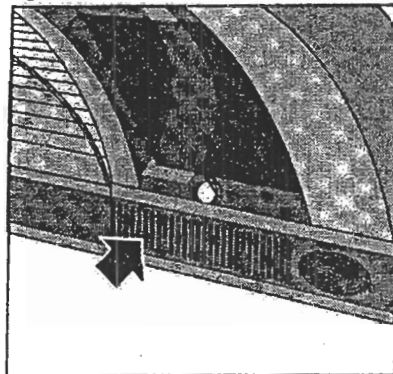
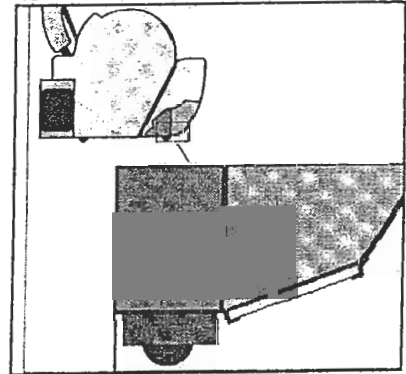


Figure H



>TROUBLESHOOTING

If your unit does not operate satisfactory, several helpful tips are listed below.



Danger of electrocution. Work on the electrical supply may only be performed by qualified electricians. The work must be performed in compliance with the electronic rules and regulations.

The Unit Will Not Start

- Supply the unit with electricity. Plug in the main plug.
- Check whether the main lead is correctly connected to the terminal block.
- Check the 3 on-board terminal circuit breakers..
- Switch on the cutout in the unit case.
- Check whether the acrylic glass plate of the high-pressure lamps is installed.
- Check whether the canopy acrylic is installed.
- Switch on the main switch in the unit case.
- Check whether the timer plug is correctly connected in the timer port. The LED indicator must be on.

The Unit Will Not Start, But the Fans Run

the fans are equipped with air flow switches. If one or more fans are defective, the unit does not start or switches off automatically during operation.

To start the unit or to continue operation, all fans must be running. The main fans are located at the rear in the unit case.



Danger of electrocution. The fault may only be repaired by a qualified electrician.

Reflector Lamps Do Not Work

- Have reflector lamps been inserted correctly and turned 90 against the socket?
- Are the starters correctly installed and have they been turned clockwise against the sockets?
- Replace a lamp that does not work with a new one.
 - > Lamp lights - The lamp that does not work is defective and must be replaced.
 - > Lamp does not light - Replace the starter.

If these measures are unsuccessful, refer to the customer service department or to an electrician.

High-Pressure Facial Lamps Do Not Work

- Replace defective high-pressure lamps (see chapter on "Maintenance and Care" - Replacing High-Pressure Facial Lamps)

If this measure is unsuccessful, refer to the customer service department or to an electrician.

Notes for Electricians

- Connection from unit case to canopy defective?
- Ballast in the unit box defective?
- Socket faulty?
- Open circuit?
- Wire has loosened from the socket?
- Starter defective?

> ENVIRONMENTAL CONSERVATION AND SPARE PARTS

Disposal

The separate, environmentally compatible disposal of materials or material residues promotes the reuse of valuable materials.

The reflector lamps should not be put in household waste, but should be disposed of separately (special waste). The lamps must not be destroyed before disposal.

The disposal of wastes from private households and the commercial sector is possible through the public special waste collection points.

Information on disposal can be obtained from your waste department.

Spare Parts

Use only manufacturer approved spare parts as shown on parts list.

If spare parts from other manufacturers are used, this can affect the performance of the unit, and your warranty.

Please Read:

> REPAIRS AND WIRING DIAGRAMS

Diagram

The following is a wiring diagram that pertains to the BodyScan 4500/4 tanning bed produced by SonnenBräune. This is meant to be a resource when needed for technical repair. Diagrams are subject to change without notice, nor is notification to previous owners the responsibility of SonnenBräune, Inc.



DO NOT ATTEMPT TO REPAIR your SonnenBräune bed without first notifying your distributor or the SonnenBräune Service Center so an evaluation of electrical service may be determined. Provide this diagram to the certified technician if necessary.



K1	=	MAIN CONTACTOR
K3	=	CONTACTOR FOR FAN
K4	=	RELAY FOR FAN RUN OUT
K5	=	CONTACTOR FOR AIR CONDITIONING
K6	=	REPULSE RELAY FOR FACIALS
K7	=	CONTACTOR FOR FACIAL POWER
F	=	CONTROL AND FUSING AUTOMATIC 6A
F1	=	FUSING AUTOMATIC 32A
F2	=	FUSING AUTOMATIC 32A
F3	=	FUSING AUTOMATIC 32A
S1	=	MAIN SWITCH FOR CONTROL PANEL
S2	=	WIND PRESSURE SWITCH FOR MAIN FAN
S3	=	REMOTE START
S4	=	SWITCH FOR FAN WITH 2 STEPS
S5	=	SWITCH FOR FACIAL POWER
S6	=	ON/OFF SWITCH FOR AIR CONDITIONING
S7	=	SECURITY SWITCH - BENCH
S8	=	SECURITY SWITCH - CANOPY
S9	=	SECURITY SWITCH - FACIALS
S10	=	SECURITY SWITCH - SHOULDER TANNER
H1	=	DIODE FOR FACIAL POWER IN CANOPY (ON/OFF = BIG/SMALL FACIAL POWER)
H2	=	DIODE FOR AIR CONDITIONING IN CANOPY
H3	=	LOGO ILLUMINATION IN FOOT END
H4	=	ILLUMINATION FRONT ACRYLIC UNDER BENCH
L	=	BALLAST
C1	=	CAPACITOR FOR MOTOR 10 uF
C2	=	CAPACITOR FOR MOTOR 5.5 uF
C3	=	2x (5x 45 uF) 1x (6x 45 uF)
M	=	AIR CONDITIONING
E1	=	FLOAT SWITCH AND CONDENSATION PUMP
Z	=	IGNITORS 1 kW
B	=	FACIAL BURNER 1 kW
M1	=	MAIN FAN SOCLE PART
M2	=	MAIN FAN SOCLE PART

BODYSCAN 4500/4 • SonnenBräune, Inc.

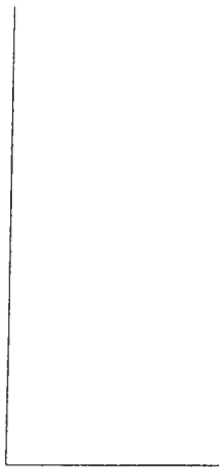
SonnenBräune, Inc.
6362 Battlefield Parkway
Ringgold, Georgia 30736 USA

800-829-6533 or 706-937-2005
Fax 706-937-5609

email: sales@sonnenbraune.com
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Ricky W. Gray, President
Louise Gray, Vice President
Jim L. Jones, Executive Sales Manager

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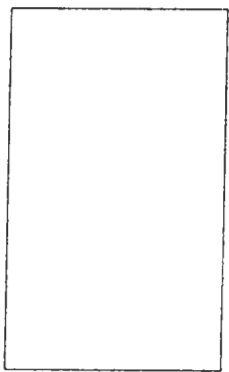
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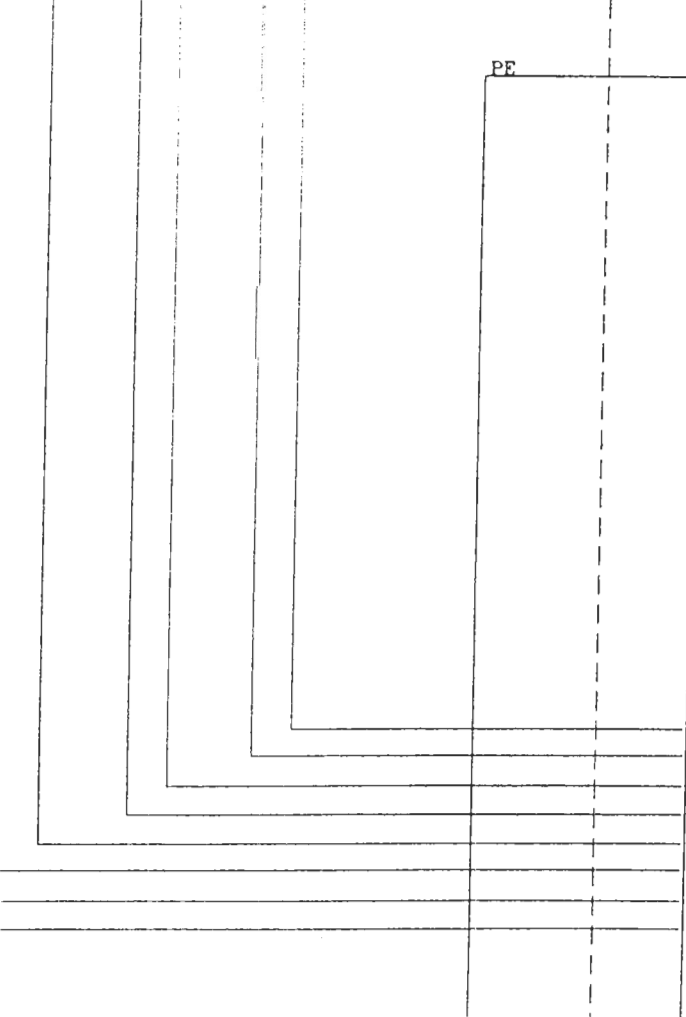
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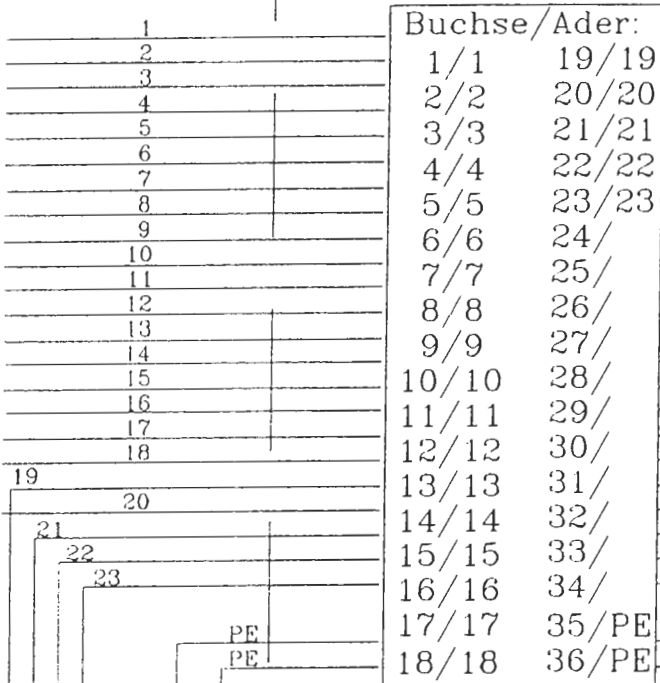


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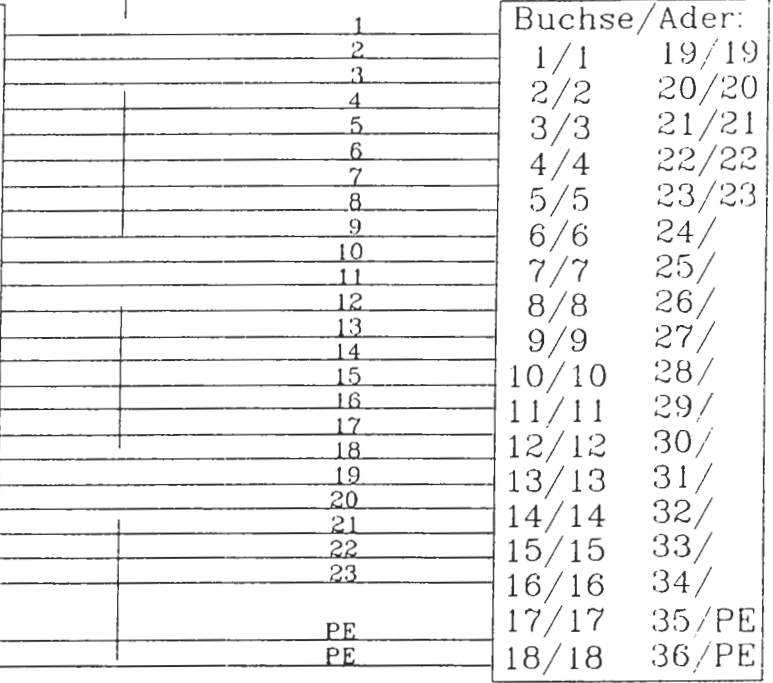


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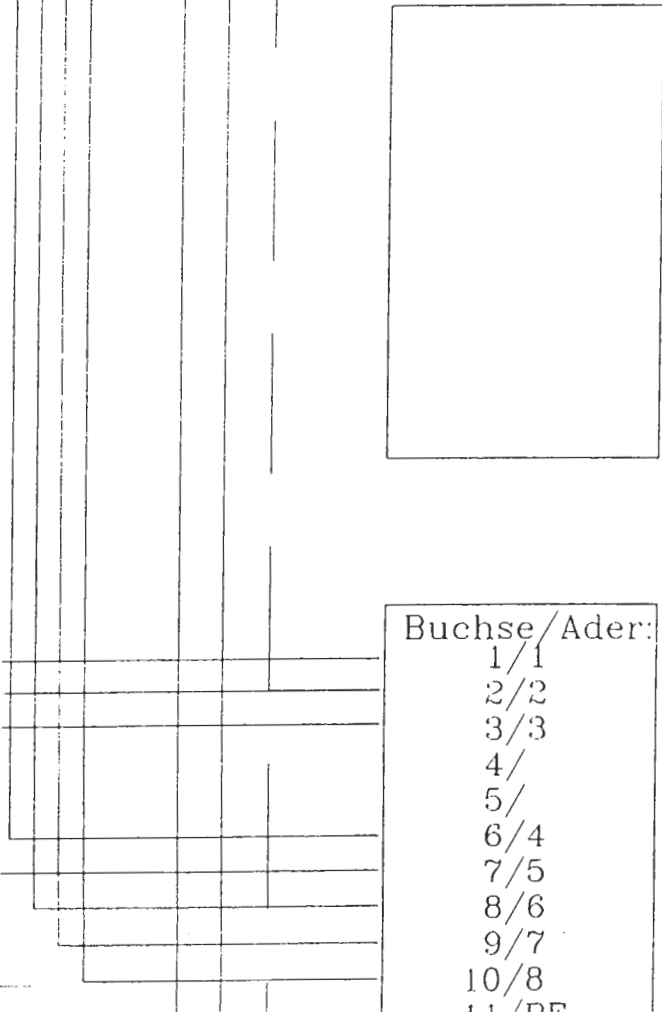


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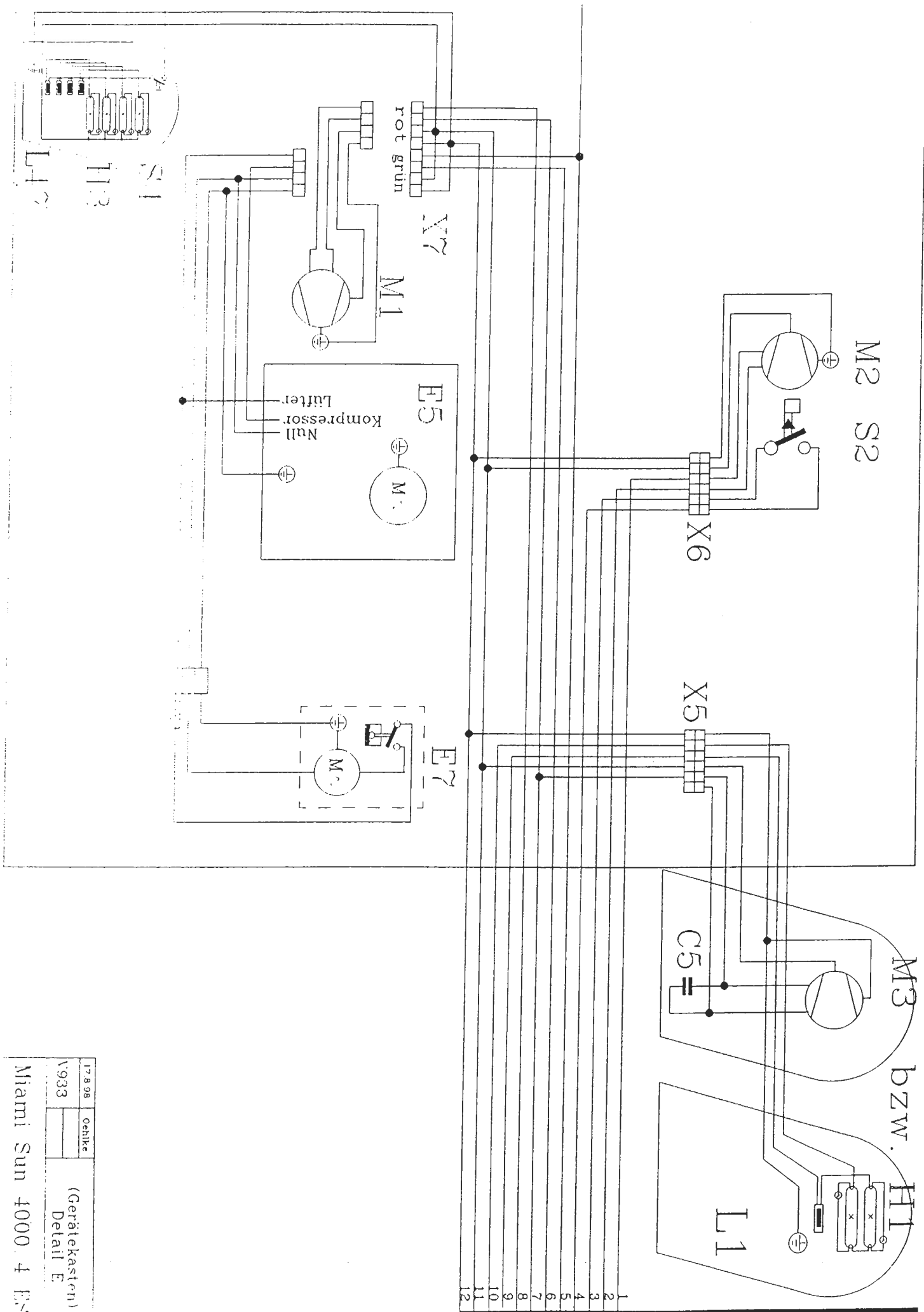
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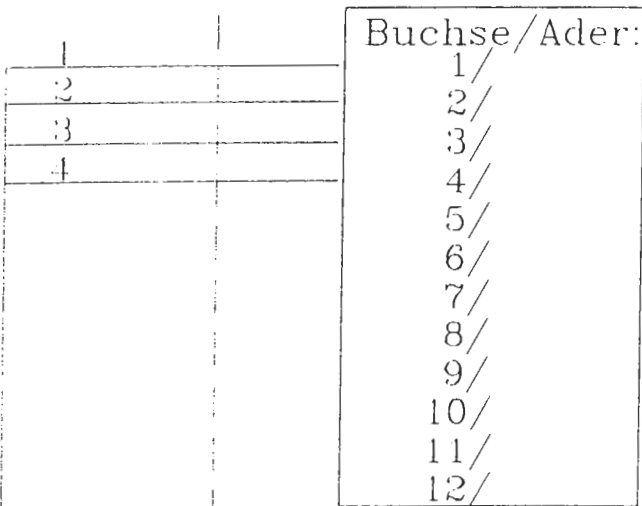
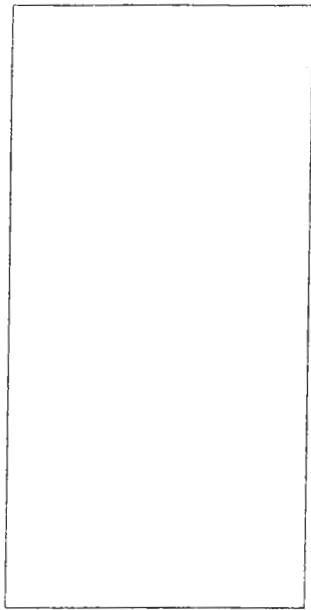


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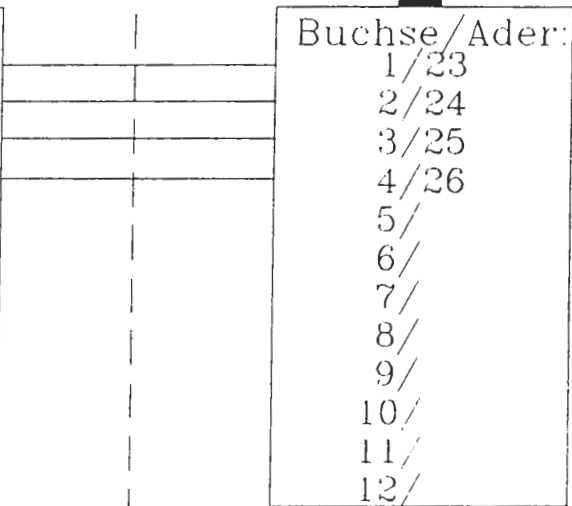
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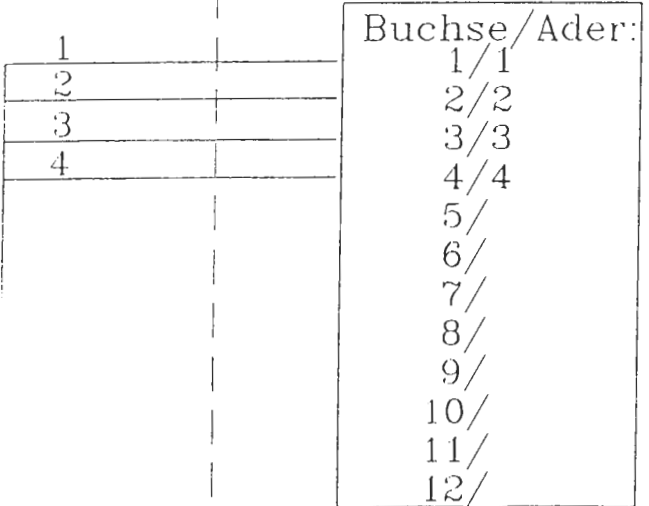
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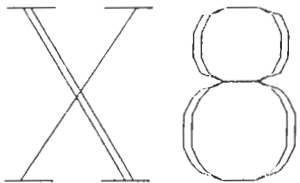
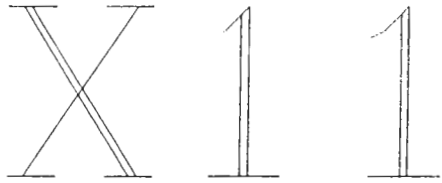
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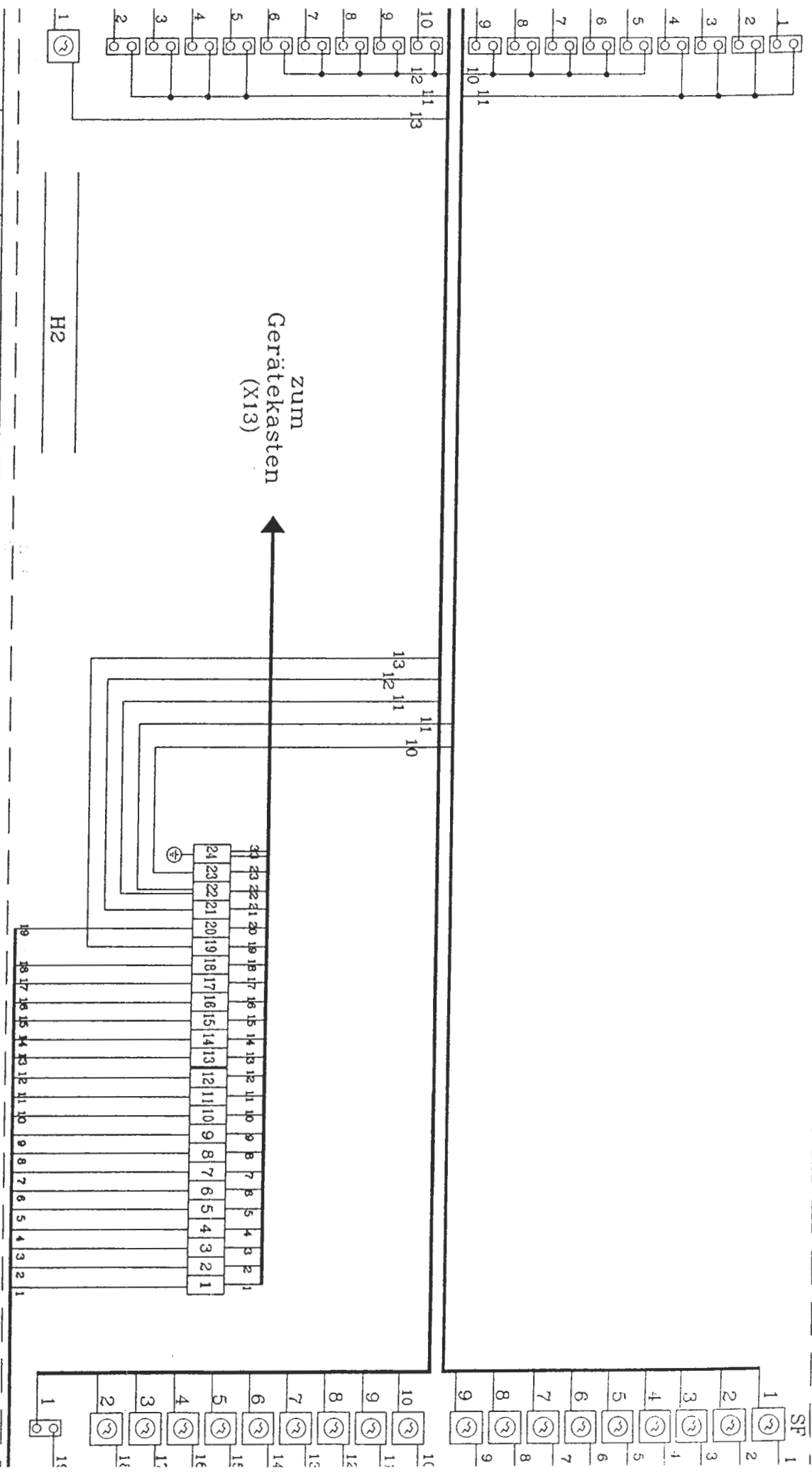


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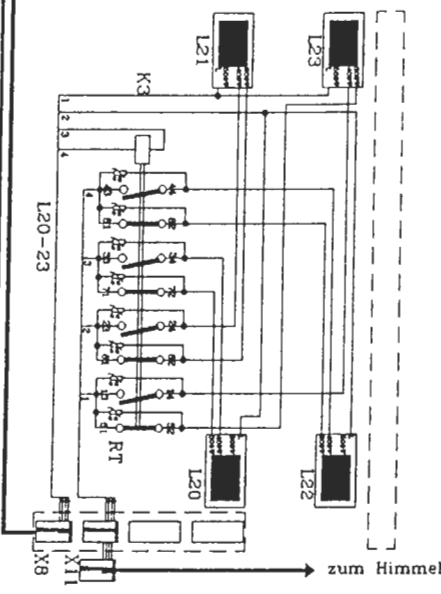
H2 = Frontbeleuchtung
SF = Röhren-/Starterfassungen

C1 = Motorkondensator f.M1
 C2 = Motorkondensator f.M2
 C3 = Kompensationskond.
 C4 = Funkentstörer
 C5 = Motorkondensator f.M3
 C6 = Funkentstörer
 E1-4 = Zündgeräte
 E5 = Klimagerät(wahlweise)
 E6 = Thermostat(wahlweise)
 E7 = Kondensatpumpe(wahlweise)
 E8 = Steuerelektronik(Sockel)
 E9 = Folientastatur(Himmel)
 Fe = Anschluß f. Fernstart
 H1 = Stirnteilbeleuchtung
 H2 = Frontbeleuchtung(Liege)
 H3 = Schulterbräuner
 H4 = Glasfaserstrahler(Himmel)
 K1 = Relais f. Gesichtsbrenner
 K2 = Hauptschütz
 K3 = Relais f. Gesichtsbrennerleistung
 K4 = Lüfterrelais
 L1 = Vorschaltgerät f. Stirnteilbeleuchtung
 L20-23 = Vorschaltgeräte 300-500W(Gesichtsbrenner)
 L24-45 = Vorschaltgeräte 140W(Himmel)
 L46-64 = Vorschaltgeräte 140W(Liege)
 L63 = Vorschaltgerät f. Frontbeleuchtung
 L65 = 4x 25W-Vorschaltgeräte(H3)

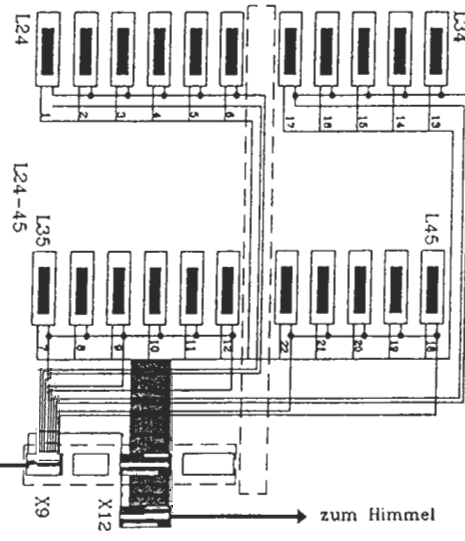
M1 = Kopflüfter(wahlweise)
 M2 = Gerätelüfter
 M3 = Fußlüfter(wahlweise)
 Mü = Anschluß f.Münzautomat
 RT = Kaltleiterwiderstand
 S1 = Hauptschalter
 S2 = Lüfterwächter(M2)
 S3 = Scheibenschalter(Himmel)
 S4 = Schalter für Schulterbräuner
 SF = Röhren-/Starterfassungen
 X1 = Steckverb. Sockel/Himmel
 X2 = Steckverb. Sockel/Klimagerät/Kopflüfter
 X3 = Steckverb. Sockel/Himmel
 X4 = Steckverb. Sockel/Münzer-Fernstart
 X5 = Steckverb. Sockel/Beleuchtung(Lüfter)
 X6 = Steckverb. Sockel/Lüftermotor
 X7 = Steckverb. Sockel/Klimagerät/Kopflüfter
 X8 = Steckverb. Vorschaltgeräteblock(Himmel)
 X9 = Steckverb. Vorschaltgeräteblock(Himmel)
 X10 = Steckverb. Vorschaltgeräteblock(Liege)
 X11 = Steckverb. Sockel/Himmel
 X12 = Steckverb. Sockel/Himmel
 X13 = Steckverb. Sockel/Liege
 V1-4 = Gesichtsbrenner
 T = Transformator

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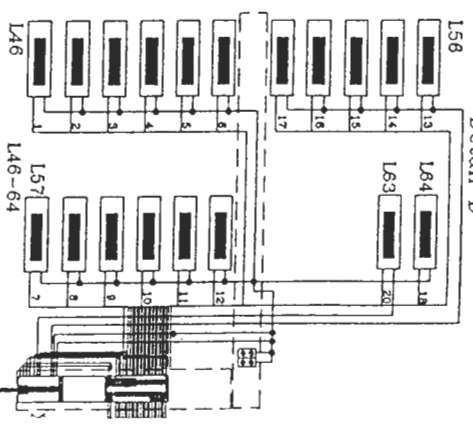
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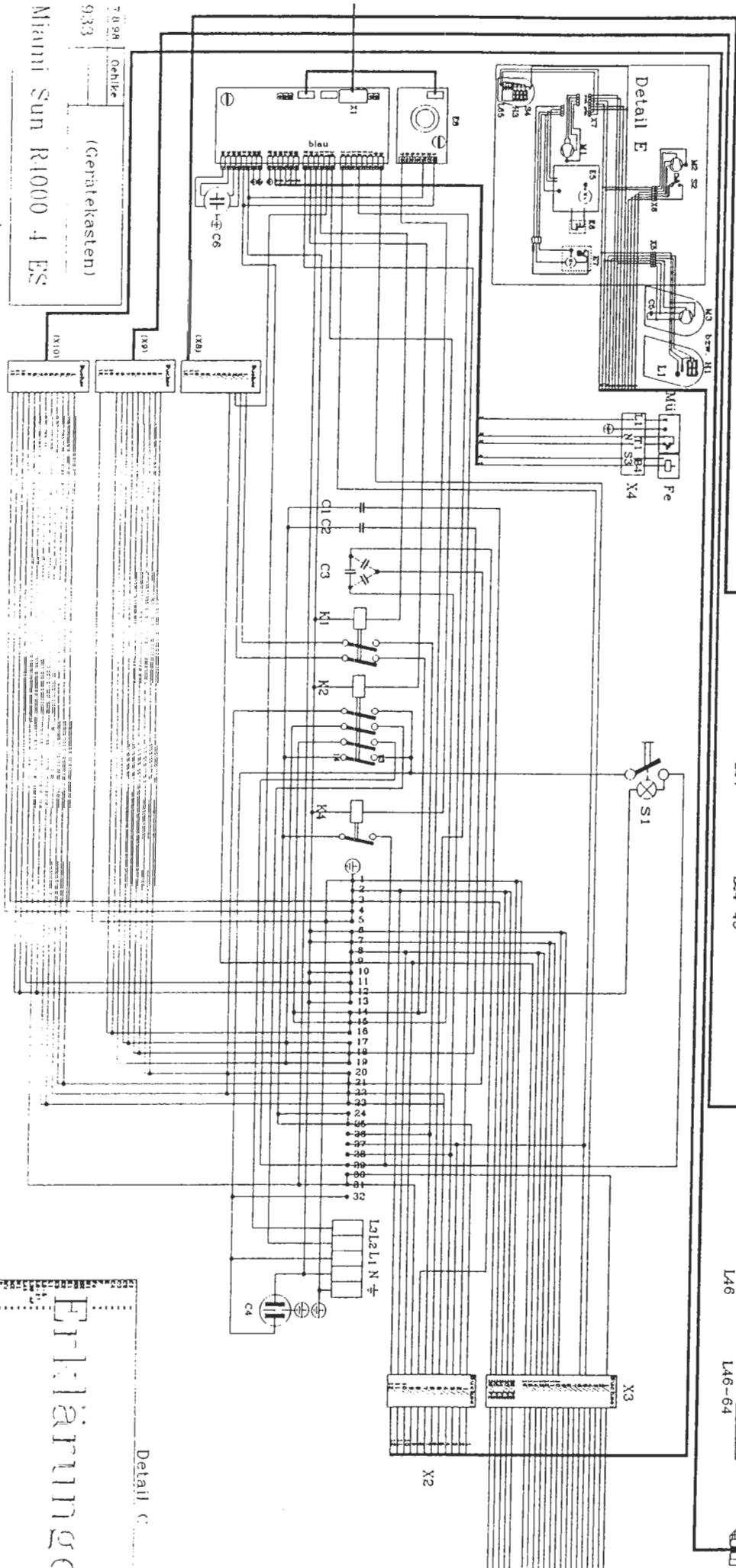
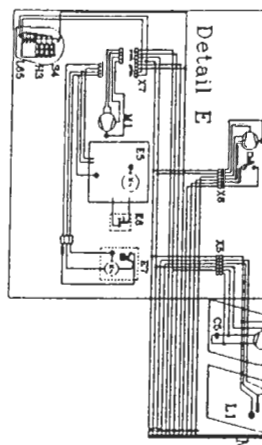
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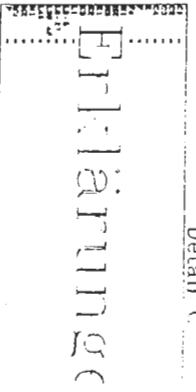
Detail D



Detail E



Detail C



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Erklärung

