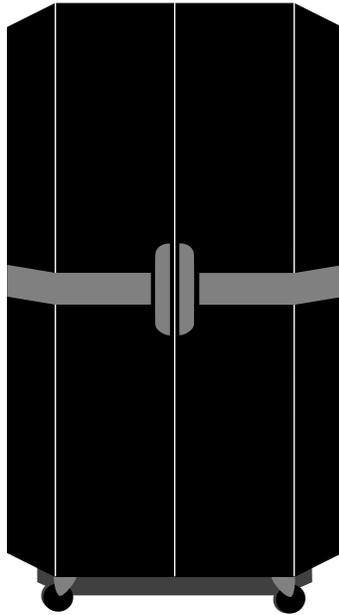


ASSEMBLY AND USER GUIDE



M O D E L S U P E R 5 0 0 0 H O
21880A

Lifetime Warranty



What Is Covered?

SunQuest warrants your tanning unit to be free of structural defects in its material and workmanship, under normal use, for its lifetime. *SunQuest* will repair or replace, at their discretion, any defect to the structure which affects the performance of the unit.

For 6 months from the date of purchase, *SunQuest* will provide replacements for parts that prove to be defective in material or workmanship. Acrylic shields, fluorescent lamps, and lamp starters are excluded from this warranty. Labor will be covered for 30 days from purchase date. Normal wear, damage from misuse or abuse, damage incurred in transit, or damage done by unauthorized repairs or modifications are not covered by this warranty.

How to Obtain Service

All warranty service must be performed by an authorized service person. If your tanning unit must be returned for service, all freight charges must be at your expense. Contact your place of purchase for the address of the *SunQuest* Service Center nearest you. Proof of purchase is required to obtain warranty service.

Other Provisions

This warranty covers the original purchaser only. This warranty is void if the unit is modified in any manner from its original design.

This warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

Welcome



Congratulations on your purchase of this technologically advanced sun tanning unit. It has been designed to provide years of dependable service for you.

Please read all the instructions in this booklet before installing and using the unit. Always be sure to observe all safety precautions.

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Safety Information



LABELING NOTICE: Labels are affixed on all systems to inform the user of possible dangers. Regulations are stated in 21 CFR, Section 1040.20, and require that all products manufactured after September 8, 1986 which use sunlamps must display the following:

DANGER Ultraviolet radiation. Follow instructions. Avoid overexposure. As with natural sunlight, over-exposure can cause eye and skin injury and allergic reactions. Repeated exposure may cause premature aging of the skin and skin cancer. WEAR PROTECTIVE EYEWEAR; FAILURE TO MAY RESULT IN SEVERE BURNS OR LONGTERM INJURY TO THE EYES.

Medications 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 sunlight. If you do not tan in the sun, you are unlikely to tan from the use of this product.

Do not use without wire grids in place. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Frequency of sessions should be limited to every other day. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

RECOMMENDED EXPOSURE TIMES IN MINUTES		MAXIMUM EXPOSURE TIME IS 20 MINUTES				
Skin Type:	Week # Session #	Week 1 1st-3rd	Week 2 4th-6th	Week 3 7th-10th	Week 4 11th-13th	Subsequent Maximum
I Sensitive Skin (Burns easily and severely and does not tan.)	NOT RECOMMENDED FOR TANNING					
II Light (Burns easily and severely and tans minimally.)		4	8	12	16	20
III Normal (Burns moderately and tans average.)		6	10	15	20	20
IV Dark (Burns minimally, tans easily and above average.)		8	12	16	20	20

New lamps emit approximately 20% more UV during the first 50 hours of operation. Recommended tanning times should therefore be reduced by approximately 20% during that period.

For a uniform tan, center yourself within the booth both front and back and to the left and right. This will result in your body being equidistant from all lamps. Other positions may result in over exposure to parts of your body.

Use only the lamp listed below or certified equivalents, as failure to will result in non-compliance with federal regulations.

Diamond Sun S® Wolff® Model 71T12100W

Provided eyeshields (Lucas Products Super Sunnies or Intrexco No. 5635/1) or equivalent eyewear as defined under 21 CFR 1040.20. Other types of eyewear may not provide adequate protection. Disconnect power before attempting to clean, relamp, or engage in the maintenance of this product.

THIS EQUIPMENT MUST BE CONNECTED TO EARTH GROUND.

THIS PRODUCT IS IN CONFORMITY WITH PERFORMANCE STANDARDS FOR SUN LAMP PRODUCTS UNDER 21 CFR PART 1040.20

Installation

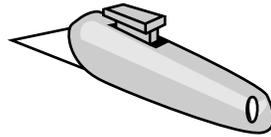


Tools Required

You'll need the following tools to assemble your booth:



#2 Phillips Screw Driver



Knife (Utility or similar)



Adjustable Wrench

Pre-Installation Planning

Before you begin to assemble your booth, you should observe the following pre-installation considerations.

- Your booth operates from a 220V AC source. The unit must be hard-wired to a dedicated circuit capable of providing **40 amp** service. Electrical connection of this unit requires a professional electrician.
- **IMPORTANT!** Voltage must be below 230 VAC or may require a Buck Booster, contact ETS service at the number at the back of this guide. Use of a voltage source above 230 VAC may reduce the life of some components in your booth.
- Make sure the room in which you intend to use your booth is well ventilated. Air from the room is used to cool the booth, and a poorly ventilated room may cause the unit to become hot and cause discomfort to the user.
- Your sunbed is designed to operate in an ambient room temperature of 80°F maximum and 70% relative humidity.



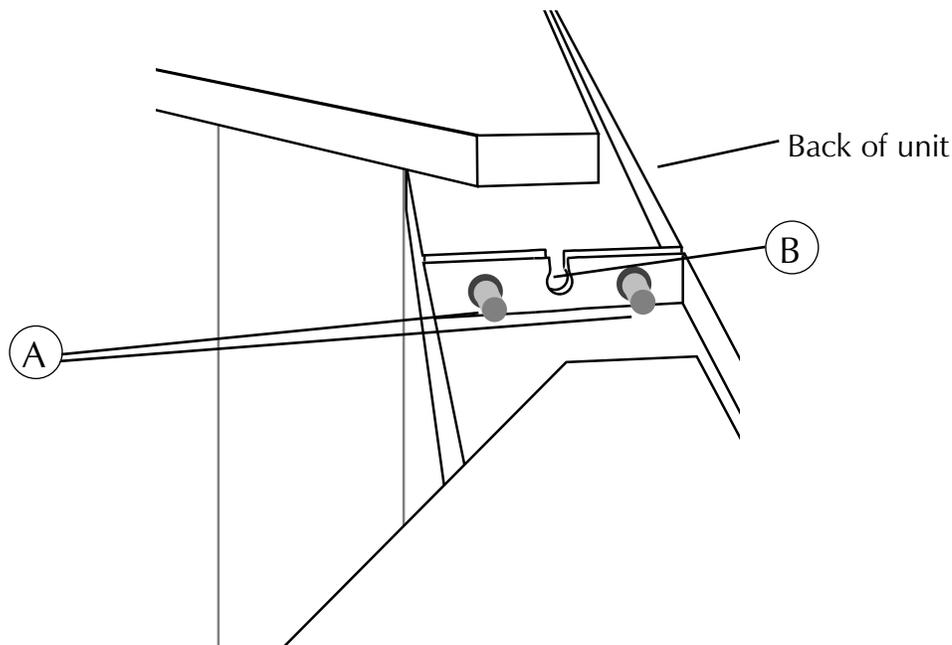
- The SunQuest Super 5000 HO must be installed in a room with a minimum ceiling height of eight (8) feet. Place your booth no closer than 6" from any wall.
- Proper assembly of your booth requires three people. Plan to have a couple of helpers assist you.
- Record the serial number of the booth in the area provided on the back page of this manual. This information will be required whenever you call customer service.

Assembly

1. Each of the unit's halves should be placed together at the desired installation location. Align the holes (A), located at the top and bottom of the unit. Remove the shipping bars which are located at the top of the unit connecting the door to the back of the unit.

Caution: Once the shipping bars are removed, the halves can easily fall over. Minimize this risk by keeping the door panels in the same positions as they were before removing the shipping bars and then immediately connect the halves.

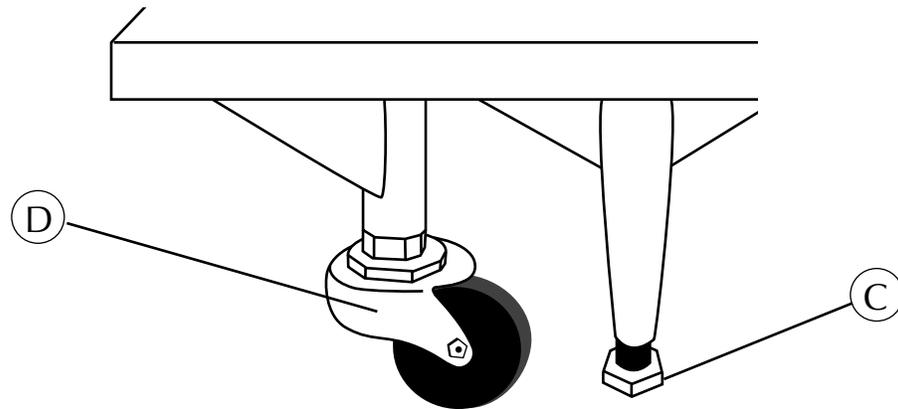
With the holes aligned, secure the two halves of the unit to one another using the four (5/16x3/4 Hex Head) bolts. Secure them using the nuts provided. Do not tighten them at this time.





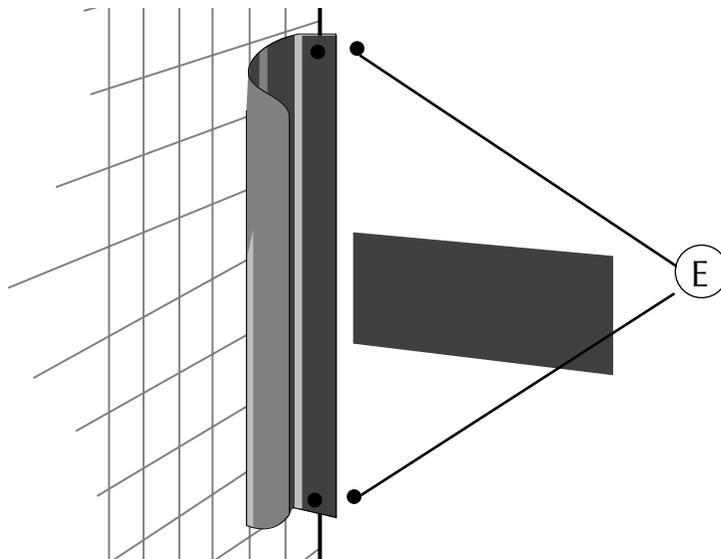
2. Lower all six of the leveling posts (C) until the weight is almost completely removed from the casters (D). Check the front doors to see if the tops of the doors are level with each other when closed, it may be necessary to further adjust the levelers. After the unit is level tighten the nuts left loose from Step 1.

HINT: If you are having difficulty in leveling the booth remember that extending the right rear leveler will have an opposite effect, i.e., it will tend to lower the right front of the unit. If necessary adjust the casters under the doors. The door casters should bear only the weight of the doors. When properly adjusted the doors will open and close easily. There should be no gap between the doors when closed.



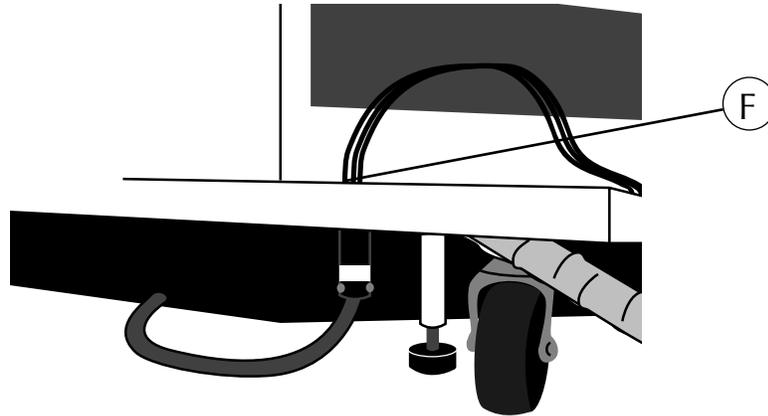
3. Connect the electrical connectors at the rear top of the unit. Slide the black split grommet found in the accessory kit around the wire assembly and then press the grommet into slot (B). Now mount the white metal cap cover over the connection, by using two #10x1/4 Phillips screws. Be careful not to crimp, bind or pinch any of the wires.

4. Attach the exterior handles to the doors using the pre-installed screws (E).





- Place the platform inside of the unit oriented so that the side without the air register is toward the front. Connect the plug from the platform to the connection located underneath the corner of the booth (F).



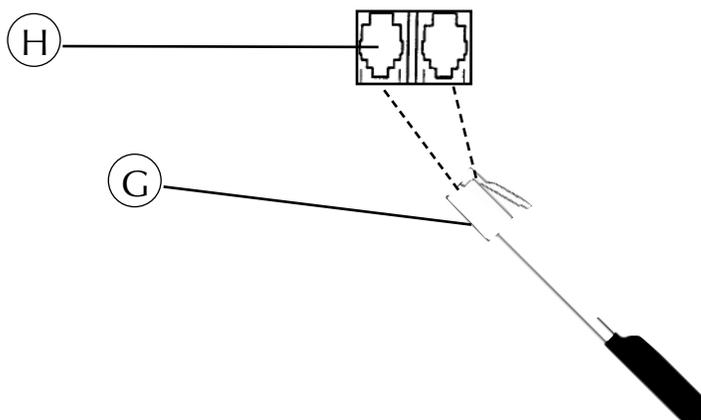
- Prepare to mount the control console to the top rear of the booth. You will notice the four mounting holes and the two attaching wire harnesses. Connect the multi-pin connector from the booth to the mating connector on the console. Mount the console to the booth using four #10X1/4 Phillips screws. Attach the single ground wire with one of these screws.

Bypass Plug

Connect the remote control bypass plug (G) to the remote control port (H). The bypass plug can be inserted into either port. Your booth will not operate without the bypass plug or a remote system connected. If you plan on using a remote system refer to “Remote Connections”.

Note: The remote control device is optional and is not included with your booth.

Caution: Remove the bypass plug when using a remote system, except for the case when the booth is at the end of a **ComputaTAN™** or **T-Max® Manager** series.





Remote Connections

Your booth incorporates advanced circuitry allowing it to connect and communicate with most remote control systems. If a remote system is to be used, the type of system you are using must first be determined.

Warning: The remote connection is not designed to supply or accept high voltage, nor can it provide power to an external timer. Only use remote systems that incorporate an isolated contact or relay, or the **ComputaTAN™** or **T-Max®** remote systems. Failure to do so will void your warranty and may damage the booth.

Caution: Remove the bypass plug when using a remote system except for the case when the booth is at the end of a **ComputaTAN™** or **T-Max® Manager** series.

ComputaTAN™ or T-Max® Manager Remote Systems

The ComputaTAN™ and T-Max® Manager remote systems offer the ultimate in booth control, while allowing the tanner easy straightforward operation. Your booth is already configured to directly connect to these systems. To connect your booth to either of these systems follow the instructions that came with your remote system, noting the hints listed below. If you still have questions call ETS at the phone number listed at the back of this guide.

Setting the address Before connecting your booth to either the ComputaTAN™ or T-Max® Manager series, the address or “id” of your booth must first be set. Each booth connected to the series must have a different “id” number. To set the address,

1. Verify that the booth display is indicating a “0”.
2. Press and hold the stop button located on the booth display for three seconds and release. The display should indicate an “id” number from 1 to 99.
3. Set the “id” to a unique number by pressing the timer button until the desired number is achieved. Holding in the timer button will increase the “id” scroll rate.
4. Press the stop button to return to the normal display mode.

Note: If you are having trouble getting into the “id” mode, it is probably because you have already attempted to connect your booth to the remote system. Disconnect the remote plug(s) from the ports located on the top right hand corner of the rear of the booth, wait 90 seconds and try again.

T-Max® Manager The T-Max® 1A is not needed when connecting your booth to the T-Max® Manager series. The circuitry inside your booth eliminates the need for the T-Max® 1A. Simply connect the RJ-22 Modular cable(s) described in the T-Max® Manager manual directly into the port(s) located on the top right hand corner of the rear of the booth. You can place your booth at any location in the series. Remember the last connection in the series requires a terminator plug.



Note: The by-pass plug provided with your booth will work wherever a T-Max® terminator is called for in the series. The terminator provided by T-Max® will not work as an bypass plug.

Remote systems using a Control Relay

Most modern remote systems control the booth by the use of a relay. The relay operates the booth by connecting and disconnecting a pair of wires leading from the booth. Refer to the user's manual provided with your remote system to determine if it operates in this way. To connect your booth to this type of system a remote interface kit is required. Call ETS at the phone number listed at the back of this guide to obtain the kit. Follow the instructions provided with the kit and from the remote's manual to make the necessary connections.

Caution: Remove the bypass plug when using this type of remote system.

Speaker Connections

Your tanning booth comes equipped with two speakers that can be connected to an external audio system. The speakers and their connectors are located on either side of the top rear section of the unit. The impedance of each speaker is 8 ohms. The wire connections are made using standard quick release red and black connectors.

Operation



Before You Tan

Before using your booth, please note the following important precautions:

- **WARNING** your booth is designed for individual use. Only one pair of protective goggles is provided. **Always** wear these or another approved pair of goggles. Regular sunglasses **do not** provide adequate protection from ultraviolet light. You should never look at the lamps when turned on without wearing the appropriate protective goggles.
- Some medication may **increase your sensitivity** to ultraviolet light. It is recommended that you consult a physician before using this booth if taking any medication or if you suspect that your skin might be especially sensitive to sunlight. Included with this manual is an FDA booklet on medications that increase sensitivity to light.
- As with all electrical appliances, **do not operate this device near water or while you are wet.**

Exposure Times

We recommend that you tan every other day, following the tanning times in the exposure schedule. Tanning normally appears after the first few sessions and maximizes after approximately four weeks. Tan once or twice per week thereafter to maintain appearance. Persons already having a base tan may begin at advanced levels corresponding to the extent of their base tan.

Follow the guidelines for skin type and exposure times as shown in the table below.

RECOMMENDED EXPOSURE TIMES IN MINUTES		MAXIMUM EXPOSURE TIME IS 20 MINUTES				
Skin Type:	Week # Session #	Week 1 1st-3rd	Week 2 4th-6th	Week 3 7th-10th	Week 4 11th-13th	Subsequent Maximum
I Sensitive Skin (Burns easily and severely and does not tan.)		NOT RECOMMENDED FOR TANNING				
II Light (Burns easily and severely and tans minimally.)		4	8	12	16	20
III Normal (Burns moderately and tans average.)		6	10	15	20	20
IV Dark (Burns minimally, tans easily and above average.)		8	12	16	20	20



Using Your Booth

When configured as a stand alone unit or when connected to a remote system using a control relay.

If your booth is connected to a ComputaTAN™ or T-Max® Manager remote system, turn to *Using Your Booth When connected to the ComputaTAN™ or T-Max® Manager*.

Step 1. Enter the booth and shut the door behind you. Center your body on the pedestal so that it will allow for even tanning.

Step 2. Start the booth by pressing the timer button (E) located on the control console located at the top of the booth. The lamps will turn on and the timer display (C) will indicate the session time remaining.

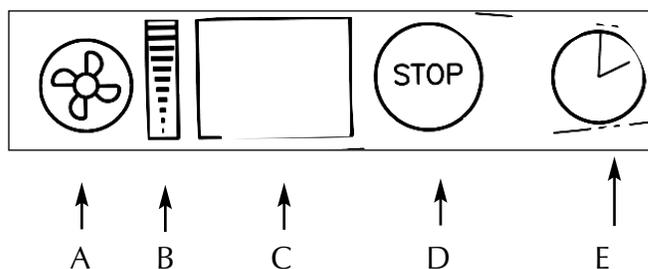
Note: If the lamps do not come on then either the remote bypass plug is not installed see, *Making Electrical Connections* or an external timer is being used that has not yet been activated. The timer will not begin to count down until the remote system activates.

Step 3. If less than the maximum tanning time is desired, repeatedly press the timer button (E) until the desired time is indicated.

Step 4. Turn on the body fans located in the pedestal by pressing button (A). View indicator (B) to determine the if body fans are on. When the bar (B) is fully lit the fans are on and when nothing is lit they are off.

Step 5. When the timer reaches 0, the lamps will turn off. If you want to stop your session before the time expires press the stop button (D). The booth will then allow you ten seconds to reactivate the unit with the unused time. After ten seconds the timer system resets back to 0 minutes.

Step 6. Exit the booth when the lamps shut off. The cooling fans run for 3 minutes after the lamps shut off to aid in cooling the booth.





Using Your Booth

When connected to the ComputaTAN™ or T-Max® Manager

Step 1. Enter the booth and shut the door behind you. Center your body on the pedestal so that it will allow for even tanning.

Step 2. Observe the timer display. Assuming the remote system has been set to allow a pre-tanning delay time, the display will repeatedly flash the delay symbol “dL” and then the remaining delay time. Either press the timer button (E) or wait until the delay time has expired to begin the tanning session. The display will now indicate the tanning time set by the remote system, the lamps will turn on and the timer will begin to count down. The booth will not allow a session time greater than the booth’s maximum exposure time.

If the timer did not display a “dL” but does indicate a;

“0” then the remote device has not yet been set.

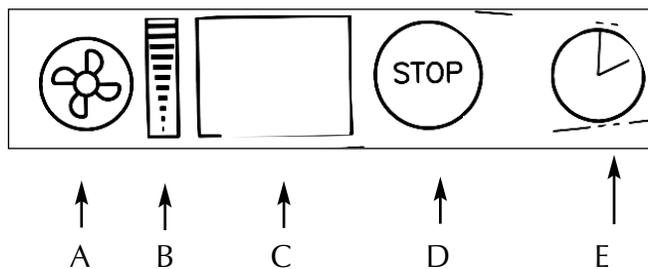
tanning time and the lamps have come on, then either a delay time was not set or the delay time has already expired and the tanning session has begun.

tanning time and the lamps have not come on, then the auto start function of the external remote system has been turned off. Press the timer button(E) to turn on the lamps.

Step 3. If a tanning time less than the displayed time is desired repeatedly press the timer button(E) to decrease the remaining time.

Step 4. To turn on or off the the fans, located in the pedestal press button (A). When the bar (B) is fully lit the fans are on and when nothing is lit they are off.

Step 5. When the timer goes below 1 minute it will begin to count in seconds until it reaches 0, then the lamps turn off. If you want to stop your session before time expires press the stop button (D).



Care & Maintenance

Cleaning After Use

Clean and disinfect your tanning booth's pedestal, handles, control console and wire grid after each use. Use a non-abrasive disinfectant cleaner. We recommend *SunQuest* disinfectant. Spray a clean soft cloth with disinfectant and then clean all surfaces that the tanner may have come in contact with.

Thorough Periodic Cleaning

Introduction

The cooling fans draw air through the booth and over time will cause a dust buildup on the lamps and reflectors. This will reduce the tanning effectiveness of the booth. When a dust buildup is observed, it is necessary to thoroughly clean the inside of the booth.

Warning! Disconnect booth from electrical power before cleaning.

Cleaning the Booth

- Step 1.** Remove the wire grids and lamps as described in *Replacing Lamps*.
- Step 2.** With a soft cloth, wipe the entire length of each lamp and reflector to remove any film build-up.
- Step 3.** Re-install the lamps and wire grids as described in *Replacing Lamps*.

Mechanical Inspection

Your tanning booth has been built for years of service. To ensure trouble free operation throughout its life, inspect the unit's mechanical integrity every 400-500 hours of use.

- Inspect the unit's fasteners verifying that all are firmly in place. Pay particular attention to the door alignment. Adjust the door casters as needed. See *Assembly Step 2*.
- Inspect the AC power cable and its connections.



Replacing Lamps

Introduction

Your tanning booth has an hour meter which keeps track of how many hours the booth has been in operation. Use this meter to determine when your tanning lamps should be replaced. To be assured of maximum tanning effectiveness, change lamps after approximately 800-1000 hours of use. Tanning will continue after this time but at a slower rate. To ensure trouble-free operation of your sunbed, replace the lamp starters whenever the lamps are replaced.

Warning! Disconnect the booth from electrical power before servicing.

Removing/Replacing Wire Grids

The wire grids in the booth are secured in place by screws, remove these screws located at the top and bottom of the grid to remove the grid. After changing lamps, replace the grids and screws.

Removing/Replacing Lamps

After removing the grids, replace lamps as follows:

- Step 1.** Grasp the lamp at one end and at the middle, then turn the lamp a quarter turn. The lamp may then be gently removed from its holder.
- Step 2.** To re-install a lamp, insert the pins located on the ends of the lamp into the slots on top of the lamp holder and turn the lamp a quarter turn.

Recommended Replacement Lamps

We recommend using the lamps specified below. Use of uncertified lamps is a violation of federal regulations and will void your warranty. These lamps have an average life of 800-1000 hours of effective tanning use. Lamps used longer than that begin to lose their effectiveness even though they will continue to light.

Only the following lamp type has been certified for use in your SunQuest booth:

Diamond Sun® S Wolff® Model 71T12100W

Troubleshooting



Problem/Solution Chart

Problem	Solution
Lamps fail to light and timer display is blank	<ol style="list-style-type: none">1. Make sure the unit is connect to a power source.2. Check source of ac power. Reset circuit breaker or replace fuse.
Timer display continues to show a 0 after the timer button is pressed	<ol style="list-style-type: none">1. ComputaTAN™ or T-Max® Manager remote system has not yet been set.
Timer display changes to indicate a tanning time after the timer button is pressed but lamps do not come on	<ol style="list-style-type: none">1. Bypass plug is not installed see <i>making electrical connections</i>.2. If remote is being used other than ComputaTAN™ or T-Max® Manager, remote wiring is incorrect, see the instructions provided with the remote interface kit.
My booth is connected to the ComputaTan™ or T-Max® Manager remote system and when the delay time has expired the timer display starts counting down but the booth lights do not come on	The auto start feature of the remote system is disabled, see the instructions provided with your remote system.
My booth won't work with the ComputaTan™ or T-Max® Manager remote systems	<ol style="list-style-type: none">1. The booth must first be set to a unique address see <i>remote connections</i>.2. The bypass or terminator plug may be installed in the series in an inappropriate location. Plug the bypass plug only into the booth at the end of the series.



Problem/Solution Chart

Problem	Solution
One or more lamps fail to light	1.Check that lamp is installed correctly. 2.Switch unlit lamp with a lamp that lights, if the new lamp lights and the old lamps still does not, replace old lamp.
Timer display is indicating Er 1	Body lamps are on when they should be off, have service technician check the contactor.
Timer display is indicating Er 2	Body lamps are off when they should be on, have service technician check contactor and its wiring from the main timer box .
Timer display is indicating Er 3	Body lamps are on when they should be off, have service technician check the contactor.
Timer display is indicating Er 4	Body lamps are off when they should be on, have service technician check the contactor and its wiring from the main timer box.
Timer display is indicating Er 5	Not currently used
Timer display is indicating Er 6	Not currently used



Problem/Solution Chart

Problem	Solution
Timer display is indicating Er 7	Face Tanner contactor is closed when it should be open, have service technician check the contactor.
Timer display is indicating Er 8	Face Tanner contactor is open when it should be closed, have service technician check the contactor and its wiring from the main timer box.
Timer display is indicating Er 9	Ballast Drawer is open or drawer switch is broken.
Timer display is indicating Er 10	Timer computer is in an illegal state, reset power to correct, replace main timer if error reoccurs.
Timer display is indicating Er 11	Timer configuration is corrupt, replace timer.
Timer display is indicating Er 12	Timer configuration is corrupt, replace timer.
Timer display is indicating Er 13	Timer computer is in an illegal state, reset power to correct, replace main timer if error reoccurs.
Timer display is indicating Er 14	The timer display is not responding; <ol style="list-style-type: none"> 1. Check cable to display. 2. Replace display assembly. 3. Replace main timer box.
Timer display is indicating Er 15	Timer configuration is corrupt, replace timer.

Obtaining Service



To arrange for service, or for more information about your sunbed,
contact ETS as follows:

CALL FOR SERVICE OR QUESTIONS:

1 • 800 • 449 • 3605



**6270 Corporate Drive
Indianapolis, IN 46278-2900**

Have the following information ready when calling ETS
to order parts or service for your bed:

Date Purchased _____

Booth Serial Number _____

Manufactured for SunQuest by:
Spectrum Products, Inc.
6220 Churchman Bypass
Indianapolis, Indiana 46203

