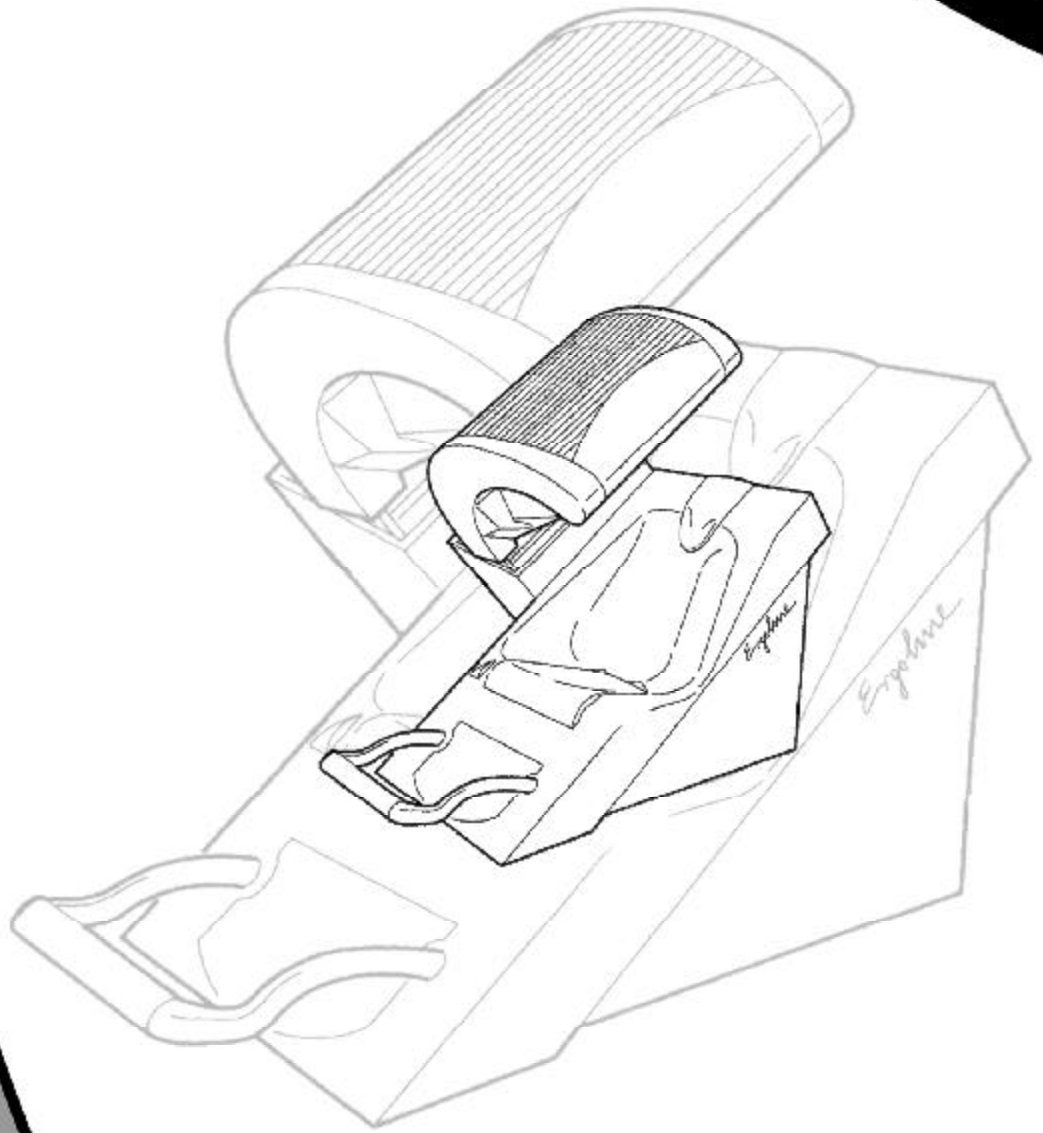# TK 8000

TK

Ergoline

Specifications

TK8000

Width: 53"

Height: 83"

Shipping Weight: 850 Pounds

No. of Lamps: 6 Facials and 2 Hand Tanners

Electrical: 28 Amps @ 240 Volts

Circuit Required: 120/240 Volt, 2 Pole, 40 Amp Breaker

Danger - Ultraviolet Radiation. Follow instructions. Avoid overexposure. As with natural sunlight, overexposure 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 UN SEVERE BURNS OR LONG-TERM INJURY TO 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 don not tan in the sun, you are unlikely to tan from the use of this product.

This unit utilizes UVA lamps. Replace only with **JK Ergoline 500 SE C11292 (Face Tanner)** and **Philips Cleo Model Number HPA 400/30S (Hand Tanner)** .

Recommended Exposure Schedule				
SKIN TYPE	**Week 1** 1st - 3rd Treatments	**Week 2** 4th - 6th Treatments	**Week 3** 7th - 10th Treatments	**Week 4** 11th - 15th Treatments	**Weekly** Subsequent Treatments
II - Fair	3 Min.	7 Min.	10 Min.	12 Min.	15 Min.
III - Average	3 Min.	7 Min.	10 Min.	12 Min.	15 Min.
IV - Brown	3 Min.	8 Min.	12 Min.	15 Min.	15 Min.
V - Dark Brown	3 Min.	8 Min.	12 Min.	15 Min.	15 Min.

Maximum Exposure Time is 15 Minutes

Tanning can begin on a regular basis. An appearance of tanning normally appears after a few exposures and maximizes after four (4) weeks of exposure following the recommend exposure schedule for your skin type.

Use protective eyewear, super sunnies, whenever the equipment is energized. Read the instruction manual before using this unit.

Instructions accompanying this product should always be followed to avoid or minimize potential injury.

General Safety Information

Safety Recommendations

1.   The Sun Ergoline tanning unit must have been assembled and installed properly by trained and experienced personnel.

2.   Compliance with all the warning and safety labels attached to the tanning unit required.

3.   No safety device or safety notice may be removed or disabled, as doing so could impair the reliable functioning of the tanning unit.

4. The tanning unit must be operated under the guidelines in this manual.

5.   The tanning unit must only be operated when in full working order.

6.   Carefully read all instructions included in this Sun Ergoline Operation and Instruction Manual.

7.   Do not use tanning unit if the timer is inoperative or defective or the VIT filter glass is cracked, broken or not in place in your unit.

8.   Special care should be exercised if the user is particularly sensitive to UV light and if certain medications or cosmetics have been used. If there is any doubt by the salon operator or tanning bed customer, the user should consult with a physician.

9.   Cosmetics should be removed prior to each tanning session.

10.   Use only lotions, creams and oils specifically designed and formulated for indoor use.

11.   Wear protective eyewear anytime the tanning unit is energized.

12.   Do not tan more than once in a 24 hour period.

13.   Follow the recommendations on tanning times, intervals between tanning sessions and the distance from the lamps. Refer to the "Exposure Times and Frequencies" section of this manual for specific details.

14.   The tanning unit may not be used by individuals who, when exposed to the sun, develope a sunburn without subsequently tanning.

15.   Over exposure to ultraviolet light from the sun or from the tanning unit may cause damage to skin or eyes. These biological effects will vary due to the individuals specific skin type.

16.   Excessive exposure from the tanning unit can lead to sunburn, premature aging and a risk of skin injury.

17.   Tanning unit should be utilized by only one person at a time.

18.   While there is no immediate clinical evidence of the effects of UVA exposure to expectant mothers, it is strongly advised that expectant mothers be discouraged from using the tanning unit.

19.   Person using the tanning unit could experience a reddening of the skin or heat rash. This rash if often caused by the heat of the tanning system and should go away with in 24 hours and should not reappear.

Safety Precautions

1. The installation, electrical connection and the repair of the tanning unit must be performed by a factory trained or approved technician or appropriately qualified personnel.

2.   The electrical installation must comply with all national and local electrical codes.

3. The tanning unit must be operated as specified in this instruction manual.

4. The tanning unit may only be operated under the timer control for a maximum of 15 minutes. The display on the timer should be set to the recommended time for your specific skin type based on the number of exposures. Increasing the timer settings or disabling the timer could result in injury.

Warnings and Cautions

Certain drugs - particularly those that produce photosensitivity - may cause individuals under the influence of this type drug to experience adverse effects and those people should avoid exposure to UV sources of all kinds. Doctors will advise persons taking these drugs to possible adverse effects.

It is recommended that only one person at a time should use tanning system while in use, and advises using protective eyewear while taking a tanning session. One pair of goggles is provided with each sunbed sold.

WARNING

If you have been diagnosed by a physician as being allergic to the sun or currently taking photosensitive medications, consult your physician before using the tanning unit.

Occasionally, persons using the tanning system will experience a slight reddening of the skin - usually in small patches - after the second or third session. This redness is often accompanied by itching sensation. This may be nothing more than a heat "rash" caused by heat from the lamps within the system.

It is very limited and caused by constant contact of the skin with the acrylic surface. It should go away within approximately 24 hours and should not reappear. This rashing can be lessened or prevented by applying moisturizers lotion to the effected area after the tanning session is completed.

CAUTION

While there is no clinical evidence regarding UVA exposure and its effects upon Expectant Mothers, it is strongly advisef that expectant mothers be discouraged from using the tanning unit.

MANDATORY READING

Always read and follow all instructions for proper usage prior to using any tanning system.

Remember:

1. Follow the exposure schedule in accordance with your skin type. Failure to do so may result in overexposure.

2. A tanning system is not a toy. You cannot vary the strength of the lamps in your unit.

Should you have any questions regarding the proper use of your tanning system, contact Sun Ergoline at:

1-800-643-0086
8:00 AM to 5:00 PM (CST)

Exposure Time and Frequencies

Melanin - The brownish pigmnet produced by specials cells in the base layer of your skin determines the individual's tan. As the skin is exposed to the unltraviolet light, the melanin is activated and combines with protein cells that rise to the skin's surface, thus producing a tan.

The amount of melanin in your body determines how quickly and dark you tan. The more melanin produced and exposure time an individual, the faster and deeper the individual will tan. Do not tan more than once in a (24) twenty four period.

NOTE

Than tan produced by the tanning unit is a deep, rich "COSMETIC" tan. However, regardless of how dark an individual may tan on this system, it will not provide adequate protection against overexposure to natural sunlight or UVB tanning systems.

SKIN TYPE II - This is the individual that usually burns easily and severly, tans minimally or lightly and peels.

SKIN TYPE IV - This individual burns minimally, tans easily and above average with each exposure.

SKIN TYPE III - Often referred to as "AVERAGE" complexion, burns moderately and tans about average.

SKIN TYPE V - This individual's system rarely burns, tans easily and substantially.

Recommended Exposure Schedule					
SKIN TYPE	**Week 1** 1st - 3rd Treatments	**Week 2** 4th - 6th Treatments	**Week 3** 7th - 10th Treatments	**Week 4** 11th - 15th Treatments	**Weekly** Subsequent Treatments
II - Fair	3 Min.	7 Min.	10 Min.	12 Min.	15 Min.
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IV - Brown	3 Min.	8 Min.	12 Min.	15 Min.	15 Min.
V - Dark Brown	3 Min.	8 Min.	12 Min.	15 Min.	15 Min.

MAXIMUM EXPOSURE TIME IS 15 MINUTES

No two individuals skin tones are the same. A tan to one person may be different to another and treatment length may vary.

NOTE: Adequate ventilation of the room or booth housing the tanning unit is required for proper and comfortable operation. Your tanning unit will perform best at the ambient temperature of 75 to 90 F. It is recommended you do not use tanning creams, oils or lotions intended for outdoors use.

Equally important many facial makeups have oil bases and should be removed prior to a seession. It is recommended that, following a taning session, a skin moisturizer be applied. This promotes a smoother, more even looking tan.

Relamping Instructions

Removing the filter panel in the canopy

1. Use the Sun Ergoline key to turn the screws **(A)** turn clock wise 90 degrees.

2. Lower the panel frame **(B)** down on to the base of the sunbed.

3. Press the catch **(C)** up, and in doing so lift the panel frame **(B)** until the catch **(C)** can be moved completely.

4. Subsequently the panel frame **(B)** can be removed together with the acrylic cover.
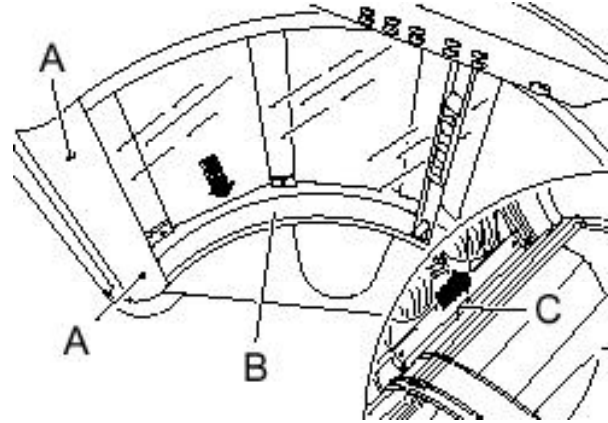
Illustration R1

Note: When the panel frame (B) is open, the sunbed is switched off automatically.

5. Use the Sun Ergoline key to remove the two **(2)** machine screw. Remove the cover (**A**).

6. Open the twist locks **(B)**.

7. Turn the twist locks **(C)** in such a way that the filter panel **(D)** can re removed, but next filter panel is held.

8. Remove, clean and/or replace filter panel **(D)**.

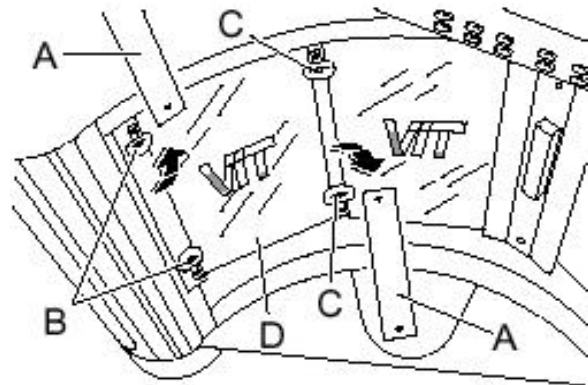**9.** Repeat procedure for other panels.

Illustration R2

Removing the UV high pressure lamp in the canopy

10. Remove the filter panel.

11. Use offset pointed pliers to carefully get hold and pull out the lamp **(A)** at the ceramic base.

12. Use a cloth and alcohol, if necessary, to clean the lamp **(A)** or replace lamp of the same type.

Note: Do not touch the glass of the lamp (A) with the hand. The lamp has to remain free from grease.
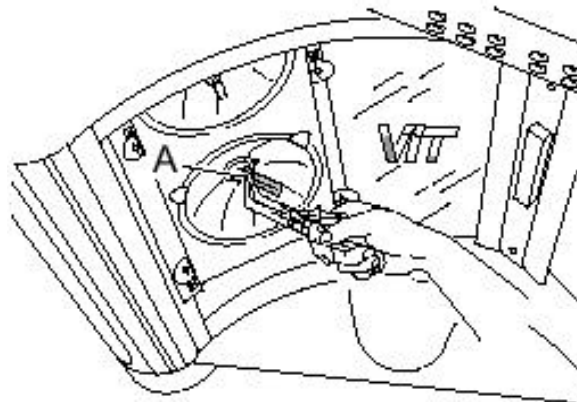
Illustration R3

Relamping Instructions

Installing the UV high pressure bulb in the canopy

13. Use pointed pliers to get hold of the ceramic base and to insert the lamp **(A)** into the base.

Note: The connector contacts of the UV high pressure lamp have different diameters to prevent installation in the wrong position.
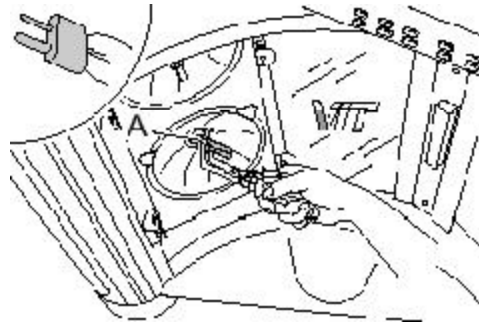

Illustration R4

Installing the filter panel in the canopy

14. Check the function of the circuit breaker before installing the filter panel.

15. After the pin **(A)** has been pressed in, it has to jump back by spring pressure.
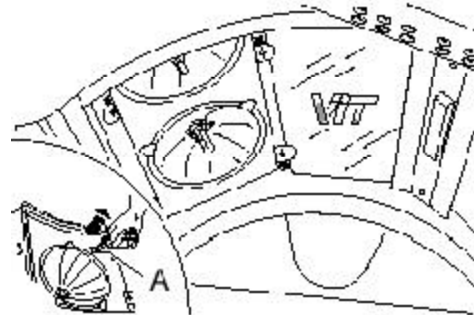

Illustration R5

Note: The filter panels have to be installed so that the writing can be read from the outside. The coated edges of the filter panel have to be behind the covers (A).

16. Insert the filter panel **(B)**.

17. Turn all twist locks **(C)** so that the flat edges point to the outside.

18. Use two **(2)** screws each to attach the covers **(A)**.

19. Repeat procedure for the remaining filters.

Illustration R6

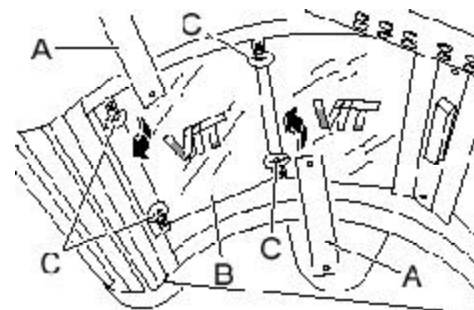**Installing the acrylic panel**

20. Put the panel frame **(A)** on to the rail in the canopy.

21. Push the catch **(B)** up until the panel frame locks into place.

22. Slightly lift the panel frame **(A)** and push the catch **(B)** down.

23. Tip the panel frame (A) up and use the Sun Ergoline key to tighten the screws (**C**).
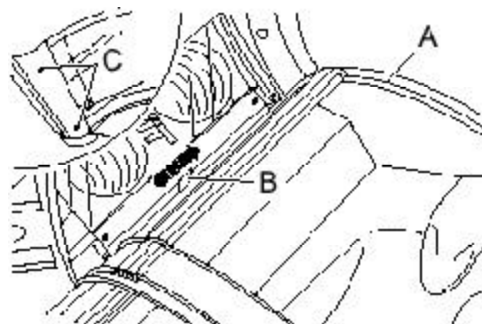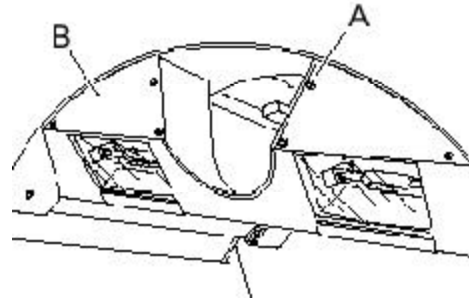

Illustration R7

Relamping Instructions

Removing the filter panel of the hand tanner

24. Use the Sun Ergoline key to remove the six (6) screws **(A)** and take off the lamp cover

25. Undo the two (2) recessed head screws (**A)**.

26. Remove the filter panel **(B)** together with the retaining sheet metal **(C)** downwards.

Changing the UV high pressure lamp in the hand tanner

27. Remove the filter panel.

28. With a cloth, remove lamp by pressing against the socket in a longitudinal direction and remove.

29. Clean lamp with a cloth and alcohol or replace it with the same lamp.

30. Insert the lamp **(A)** in the spring mounted socket.
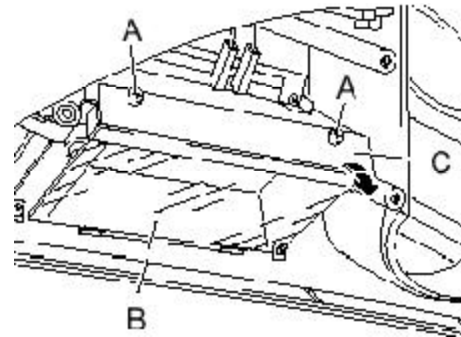
Installing the filter panel in the hand tanner

31. After the pin **(A)** has been pressed in it has to jump back by spring pressure.

32. Insert the filter panel (A) together with the retaining sheet metal **(B)** without jamming.

33. Press the retaining sheet metal **(B)** up until the filter panel has a tight seat and cannot slip about any more.

34. Use the recessed head screws **(C)** in this position for attachment.

35. Put on the lamp cover on the edge **(D)** at a 45 angle, tip up and use the (6) screws for attachment.
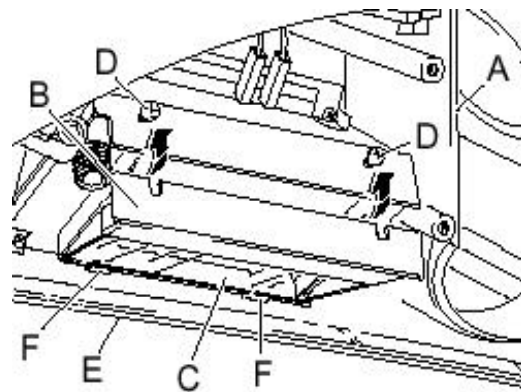
Disassembly Instructions

Removing the covers

1. Remove the padded seat **(A)** and the headrest (B), and place them outside of the working area.

2. Use the Sun Ergoline key to remove the screw (C), remove earth wire, and take out the cover **(D)**.

3. **Remove the three screws and the cover (E).**

4. Place the covers **(D**) and **(E)** outside of the working area.
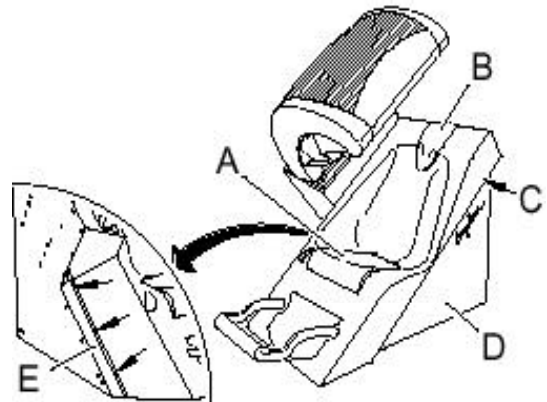
Illustration D1

Removing the footrest

5. Unscrew the 17mm hex bolt. Remove the two (2) washers each. Remove footrest **(B)**.

6. Take off the cable control **(C)**.
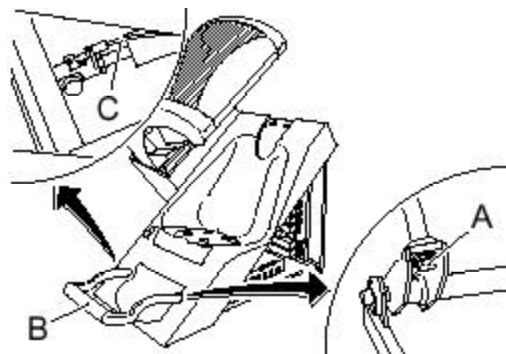
Illustration D2

Removing the base section

7. Use the Sun Ergoline key to remove the screws **(A)**.

8. Remove the base section **(B)**, and place it outside of the working area.
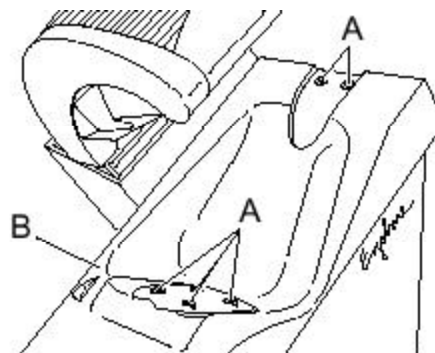
Removing the component board of the control

9. Unscrew the main supply line from the component board **(A)**.

10. Pull the component board out of the lower section a bit.

Illustration D3

11. Unscrew two (2) screws, remove the cover **(B)**, and place it outside of the working area.

12. Pull off the connectors **(A)** and (B) from the component board.

13. Lift the component board out of the lower part of the sunbed, and place it outside of the working area.

Illustration D4

9
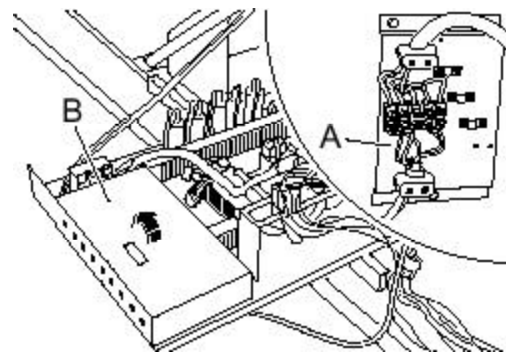
Disassembly Instructions

Disassembly of the choke ballast component board

Remove the two (2) screws (arrows).

14. Pull off the four (4) connectors **(A)** and connector (B).

15. Pull off the choke ballast component board from its holder, and place it outside of the working area.

Only with rear panel

16. Remove four (4) screws from the rear panel.

17. Remove rear panel and place it outside of the working area.
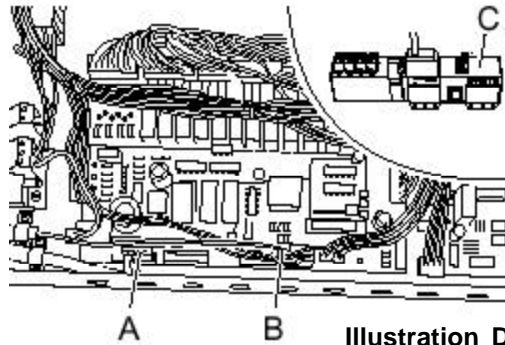
Removing the canopy

18. Unscrew the three (3) recessed head screws of the curved profile **(A)**.

19. If necessary, remove the cable harnesses of the canopy from the claps. Pull them up, and replace them completely in the canopy.

20. Remove screw **(D)** from the supporting strut **(A)**.

21. Lift the canopy so that the curved profile **(A)** can be removed from behind the profiled frame without scratching.
22. Undo locknut **(B)**.

23. Remove fixing device **(D)** and undo the supporting strut (A) from the hinge support of the canopy.

24. Pull supporting strut (A) out of the lower seat.

25. Undo both retaining collars of the forked brackets of the canopy by unscrewing the three (3) screws **(C)**.

26. Lift the canopy up and remove it with a second person helping. Place the canopy outside of the working area.
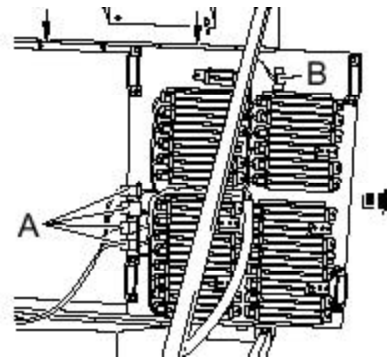
Illustration D5
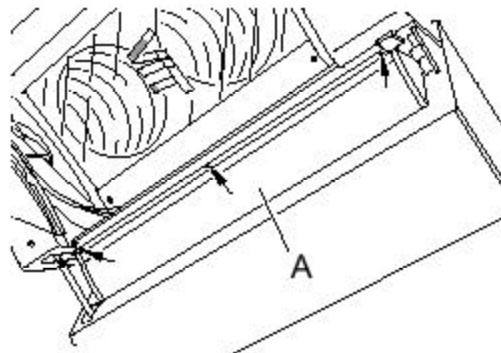
Illustration D6

Illustration D7
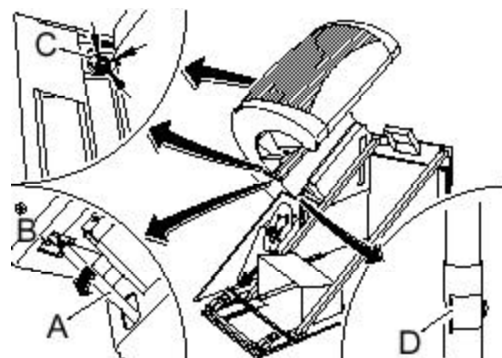
Illustration D8

Disassembly Instructions

Separating the base

28. Unscrew the 17mm hexhead bolt **(A)** and the 10mm hexhead cap screw **(B)** on the cross strut.

29. Unscrew the two (2) hexhead cap screws **(C)** in the bottom plate.

30. Unscrew the two (2) sheet metal screws **(D)**.

31. Unscrew the screws (E) and lift off the footrest mechanism.

32. Lift off the front part of the base.

Note: Never use the footrest mechanism to carry the front part of the base. Always remove the footrest before transporting the front part of the base.
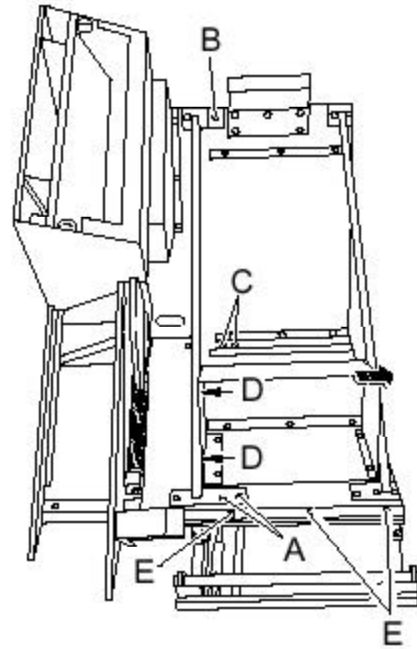
Illustration D9

Assembly Instructions

Tools Required:

Illustration A1

1. Push both section together.

2. Screw 17mm two (2) hexhead cap screws **(A)** into the base plate.

3. Screw the 17mm hexhead cap screw **(B)** and the two (2) 10mm hexhead cap screws **(C)** into the cross strut.

4. Screw in the two (2) sheet metal screws.

5. Screw down the front part of the base with three (3) screws **(E)**.
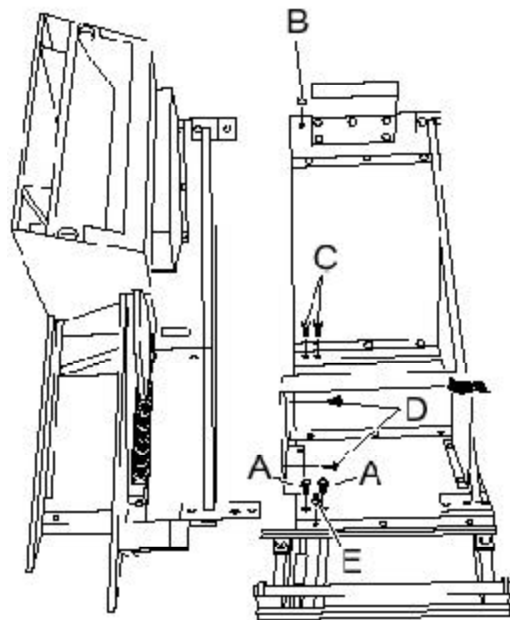
Assembly Instructions

Assembly of the canopy

6. The distance between the washers should be sufficient enough, that the forked brackets from the canopy **(A)** can easily be mounted onto the ball bearings **(B)**.

7. Slowly lower the canopy **(A)** with the forked brackets onto the ball bearing **(B)** of the supporting frame **(C)**.
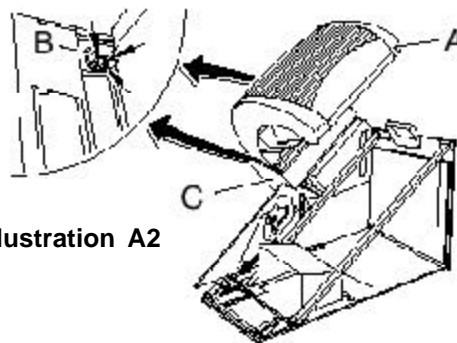
Illustration A2

8. Screw down the two (2) retaining collars with three (3) hexhead socket screws **(A)** each on the forked brackets of the canopy.

9. Pass the supporting strut **(B)** through the opening in the supporting frame and insert it in the receptacle of the base supporting strut.

10. Screw down the supporting strut (B) on the thread of the hinge support of the canopy until the clearance between the closed canopy **(D)** and the supporting frame **(E)** is at least 12mm.
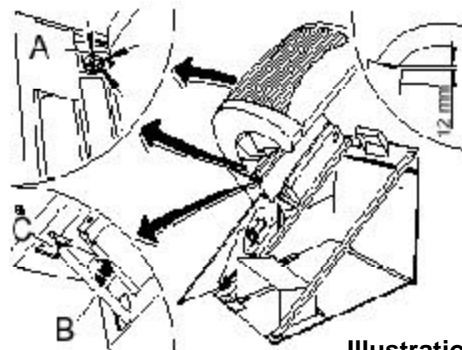
11. Use nut **(C)** to counter the supporting strut **(B)** without turning it.

Illustration A3

12. Lift the canopy (A) high enough to pass the curved profile along behind the profile holding frame without scratching.

13. Secure the supporting strut with the fixing device **(D)**.

14. Pass the three (3) cable harnesses of the canopy through the curved profile **(B)** first of all and then through the relieving **(C)**.

15. Hold the curved profile **(B)** while passing through the cables.
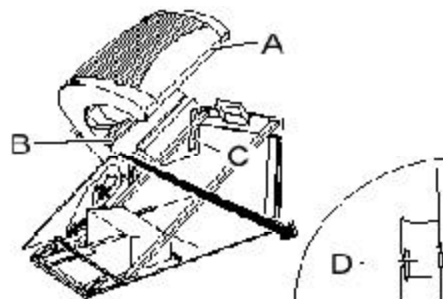
Illustration A4

16. Place the curved profile **(A)** in the rear groove of the canopy.

17. Tip the curved profile **(A)** to the canopy and use the three (3) recessed head screws to attach.
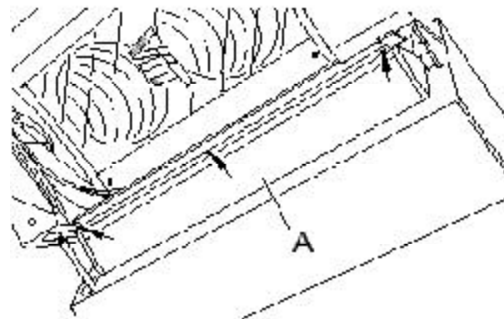
Illustration A5

Assembly Instructions

Assembly of the choke ballast component board

18. If rear panel has been supplied attach the rear panel with four (4) screws.

19. Place the choke ballast component board in the guide on the rear wall, and push it into the base.

20. Use the screws (arrow) to screw down the choke ballast component board.

21. Attach connectors **(A)** and **(B)** on the choke ballast component board as shown in the drawing.
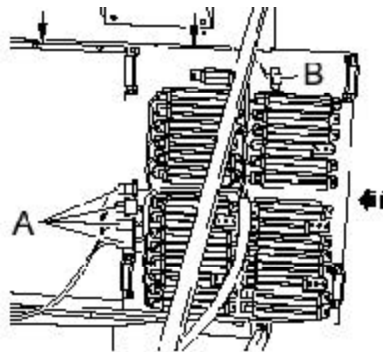
Assembly of the component board of the control

22. Push the component board into the base of the sunbed.

23. Attach the connectors (A) and (B) as shown in the drawing.

Note: Take care that the screening **(C)** of the bared control cable is installed correctly under the strap!

24. Attach the cover of the control board with two (2) screws.
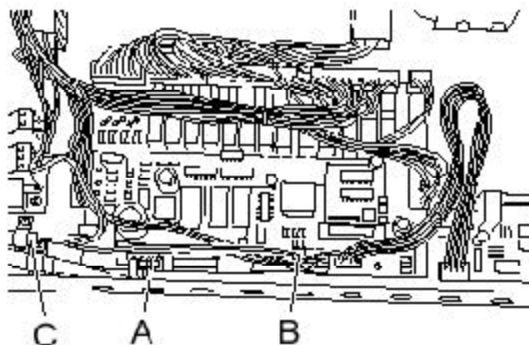
Connecting the control unit

25. Check the cable of the individual components, and attach them to the socket connector of the control unit.

Socket Connect	Connector	
1.1	1.1	Component Board
1.2	1.2	Component Board
1.3	1.3	Component Board
1.4	1.4	Component Board
1.5	1.5	Power supply for facial tanner fan
1.6	1.6	Tanner Fan
1.7	1.7	Body Fan
1.13	1.13	Power supply for audio unit
1.17/18	1.17/18	Volume/control selection of Audio unit
1.21	1.21	Additional Fan - Air discharge
1.12	1.12	Standard control
1.20	1.20	MCS control
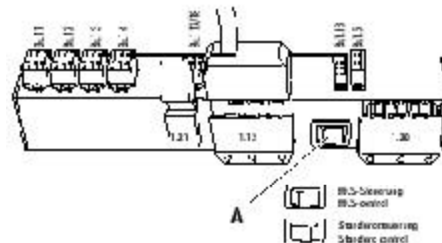
Note: Switch **(A)** is used to switch between remote control by standard control and remote control by MCS control.

Assembly Instructions

Fitting the base

26. Place base section (B), and align it in such a way that the edges of the base section **(B)** are paralleled to the neighboring edges of the supporting frame or the rear wall.

27. Use the Sun Ergoline key to tighten the six (6) screws **(A)**.
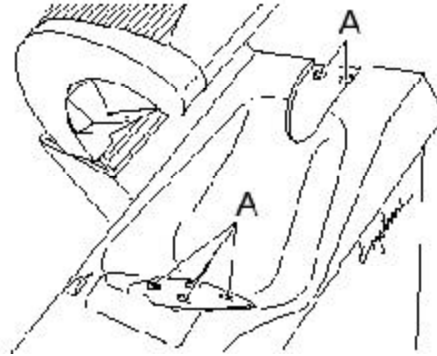
Fitting the footrest

28. Place the footrest **(B)** on the holding device through the opening in the base. Place two (2) washers each and slightly screw on the 17mm screws **(A)**.

29. Attach the cable control **(C)**.

30. Align the footrest in such a way that it is in the center of the openings in the base in the entire swivel range.

31. Check the function of the footrest mecha-nism.

32. If necessary, set the adjustable feet **(B)** in such a way that the footrest does not make contact to the base in the entire swivel range.
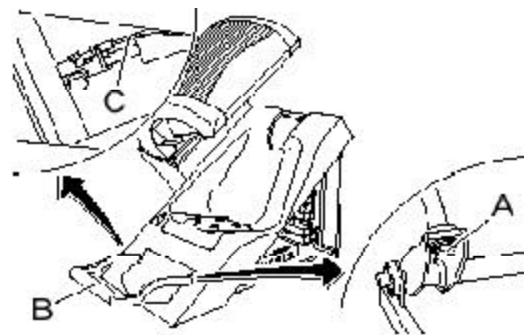
Aligning the sunbed

33. Check the leveling of the unit, and align, if necessary.

34. If necessary, compensate and inclination of the floor by means of the adjustable feet (**A**) and **(B)**.
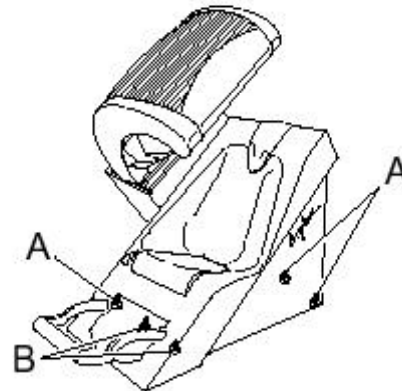
Fitting the covers

35. Use the Sun Ergoline key to screw down the cover (E) with three (3) screws.

36. Place the cover **(D)** in the lowest guide and attach the earth wire.

37. Tie up the cove **(D)** and use the Sun Ergoline key to tighten the screw (**C**).

38. Place padded seat **(A)** and the padded headrest **(B)**.

Intellitan By Sun Ergoline, Inc.
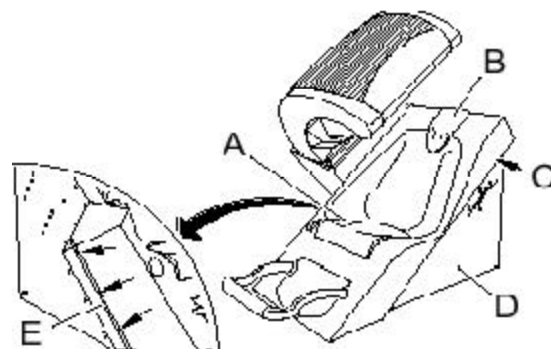
Operating Instructions

INTELLITAN
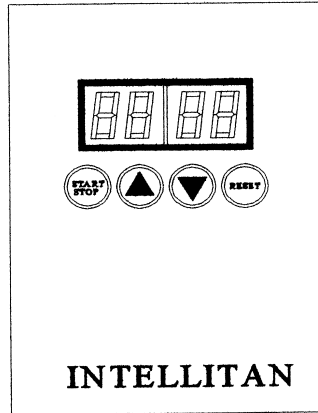
To Set Time

STEP 1: Press s button to reach desired setting in minutes.

STEP 2: Press **Start/Stop** to begin operation. The session is counted down in minutes and seconds.

NOTE: If a session delay is preprogrammed (P04), the display will begin to flash the session time. The display will continue to flash the session time for the duration of the session delay according to the programming or until **Start/Stop** the button is pressed. If the **Start/Stop** button is pressed before the session delay expires, the display will stop flashing and the session time will begin to count down. At one (1) minute, before the start of the tanning session, an audible beep will sound (if programmed in P02). At thirty (30) seconds, before the start of the tanning session, another audible beep will sound. At ten (10) seconds the audible beep will sound and continue once each second until tanning unit lights. Once the tanning unit has started, the session delay will not repeat on subsequent restarts.

To Stop Unit

STEP 1: Press **Start/Stop** anytime during a session. This will stop the countdown and hold time. To restart the unit simply press **"Start".**

To Clear Time

STEP 1: Press **Reset**, the timer clears to read 00:00.
NOTE: If the unit is counting down, the **Start/Stop** button must be pressed before resetting.

To Change Parameters

To enter the System's data bank, monitor operations and verify the vital functions concerning your unit, use the following step-by-step instructions. **Note**: Each timer manufactured after 1995 displays the current software version on power up. These instructions are for level 23 and above of the Intellitan Plus Timer.

Enter Password Clearance

1.   Press (at the same time) then release s and t buttons; the display will change from 00:00 to 0000. If you cannot get the display to change to 0000, assure that you have disconnected the network cable(s) from the timer. If power to the tanning unit is not cycled on/off after disconnecting the network cable, you must wait for thirty seconds for the timer to award access to the above mentioned buttons.

2.   Press the **Reset** button once so that 0000 begin to flash.

3.   Use the s button to enter the appropriate password to perform the desired function. Password 0010 (ten) must be entered to view parameters, and 0102 (one hundred and two) to edit parameters. After entering the password press the **Reset** button. The display will stop flashing and 0001 (level one) or 0000 (level two) will appear in the display.

4.   Press the **Start/Stop** button to reach the desired parameter. If you go past a parameter press the s t button to exit parameter mode and restart from step 1. Each time the **Start/Stop** is pressed the timer will display PXX (XX represents numbers) representing the parameter reached and then the display will change showing the value of the parameter.

5.   If you are using the second level password, press the **Reset** button to edit the parameter (once the **Reset** button is pressed the display will begin to flash). Use either the t or s button to set the appropriate value for the parameter, then press to exit the parameter.

6.   Press the **Start/Stop** button to advance to the next parameter. You may press buttons simulta neously to exit the edit parameter mode.

Timer Parameters

P02   Parameter 2 is the chime mechanism that provides an audible 'beep' sound when the keys are de pressed and to indicate the various operations occurring. The audible beep can be turned on or turned off. The unit comes with the chime mechanism turned on to provide an audible beep. When parameter 02 is shown, the display will read 0001. To maintain the chime mechanism, press the s now and go to **P03.** To silence it, do the following:

To Change Parameter 2, Alarm On/Off

Press **Reset** once then release it. The display will begin to flash. Press t and hold it down, scrolling down to 0000. Now press **Reset** once again. The chime is now deactivated. To reactivate the chime, change parameter 02 back to 0001 using the same instructions provided above.

Now press **Start/Stop** to reach **parameter 4 P(05)**, the **Session delay**.

P04   Parameter 4 is the session delay. The session delay allows a programmable amount of time at the beginning of a session to get ready for the tanning session. The tanning session time shown on the timer flashes during the session delay. The unit comes with no session delay preprogrammed.

To Change Parameter 4, Session Delay

When parameter 04 is shown, the display will read 0.0 for no session delay. To change the session delay, do the following:

Press **Reset** once then release it, the display will begin to flash. Now press s or t to reach the desired setting. Time is displayed from 0.0 to 10.0, with the decimal representing tenths of a minute. For Example: 2.5 equals 2 minutes, 30 seconds. After reaching the desired setting, press **Reset** once and release it. Session delay is now set.

Now press **Start/Stop** to reach **Parameter 5 (P05),** the **Station Address** function.

P05   Parameter 5 is the station address. The station address allows the tanning unit to be identified for interface with the CCS series controllers, the Intellitan Single Station Console, or the Intellitan Protocol Interface (IPI) for your computer system. The unit comes with a station address of zero (0) preprogrammed, if you have multiple units each must be uniquely addressed.

To Change Parameter 5, Station Address

When parameter 05 is shown, the display will read 0000 for station address zero. To change the station address, do the following:

Press **Reset** once and release it, the display will begin to flash. Now press s or t to reach desired address setting. Once the desired setting is reached press once and release it. The station address is now set.

Now press **Start/Stop** to reach **Parameter 6 (P06),** the **Lamp-Hour Accumulation on Current Lamp Bank** function.

P06   Parameter 6 is the lamp hour accumulation counter. The lamp hour accumulation counter keeps track of the number of hours on the current lamp bank. This is a resettable parameter that should be reset to 0 when the lamps are changed. When current lamp hour accumulation reaches 1000, a beep will chime each time the unit is turned on, indicating that a lamp change is necessary. Chime will not sound if it has been turned off through parameter 2. Parameter 6 is only editable at password level 1.

When parameter 06 is shown, the display will read from 0000 to 9999. To clear the lamp hour accumulator, do the following:

To Clear Parameter 6, Lamp Hour Accumulation

Press **Reset** once and release, the display will begin to flash. Now press t and hold until 0000 is displayed. When the display reads 0000 press **Reset** once and release. Lamp hour accumulation is now cleared.

Now press **Start/Stop** once and release it to advance to **Parameter 15 (P15), clean room feature**.

P15   Parameter 15 is the clean room feature. When "on", the clean room feature will show all dashes (----) on the timer display at the end of each tanning session to show that the tanning unit needs to be cleaned. In network mode, no new time can be placed on the timer when the clean room indicator is displayed.

To reset the clean room feature from the room, indicating that the room has been cleaned, press the **Reset** button twice in rapid succession. When the clean room feature is reset, the in room timer will display 00:00. The unit comes with the clean room feature off.

To Change Parameter 15, Clean Room Feature

Press **Reset** once then release it, the display will begin to flash. Now press s once to display 0001, then press once and release it. The Clean Room Feature is now enabled. To disable the Clean Room Feature simply change parameter 15 back to 0000.

Now press **Start/Stop** once and release it to reach **Parameter 16 (P16), The Econometer**

P16   Parameter 16 is the Econometer**.** The Econometer measures the electrical cost to power unit for previous session or the current session if the tanning unit is active. The cost displayed is derived from the session cost per minute entered in P17. The reading is displayed immediately. Measurement is in cents and tenths of a cent. This function is read only and can not be changed.

For Example - A reading of 10.7 would equal 10.7 cents.

Now press **Start/Stop** once and release it to reach **Parameter 17 (P17), Cost Per Session.**

Timer Parameters

P17   Parameter 17 is the session cost per minute. This figure is automatically entered into the tanning unit's data bank in accordance with the National Average of **7.5¢** per kilowatt hour. The formula used is Unit_KwH_Draw X National_Average / 60_minutes = cost per minute. In the case of the R32B this is 3.1 x 7.5 / 60 = 0.388 rounded up to .4 cents per minute.

To Change Parameter 17, Cost Per Minute

Press **Reset** once then release it, the display will begin to flash. Now press s or t until the desired cost per minute is displayed. Measurement in cents and tenths of a cent. For Example. A reading of .4 would equal four tenths of one cent. Once the desired reading is displayed press **Reset** once and release it. The Cost Per Minute is now set.

Now press **Start/Stop** once and release it to reach **Parameter 18 (P18), The Session Counter.**

P18   Parameter 18 is the Session Counter. The session counter displays the total number of times a session has been started since first day of operation. The session counter counts from 0000 to 9999 then rolls over. The session counter cannot be adjusted or reset.

Now press **Start/Stop** once and release it to reach **Parameter 19 (P19), Total Hour Accumulation.**

P19   Parameter 19 is the total hour accumulator. This accumulator displays the total number hours on the unit since first day of operation. The accumulator counts from 0000 to 9999 then rolls over. The total hour accumulator cannot be adjusted or reset.

Now press **Start/Stop** once and release it to reach **Parameter 24 (P24), Continuous Countdown Mode.**

Note: Parameters 20-23 are reserved for factory use.

P24   Parameter 24 is the continuous countdown mode toggle. The default is 0 for disabled. The continuous countdown mode allows the salon owner to maintain a tighter schedule by disabling the pause function of the timer thus allowing the tanning time to continue to count down even if the lamps are turned off by pressing the start/stop key. This feature is only available with software level 16 or higher.

To Change Parameter 24, Continuous Countdown Mode

Press **Reset** once then release it, the display will begin to flash. Now press s until 0001 is displayed, press **Reset** once and release it. Next cycle the power to the timer and tanning unit off and back on. The Continuous Countdown Mode is now enabled. To disable this function change parameter 24 back to 0000.

Now press **Start/Stop** once and release it to reach **Parameter 25 (P25), Keylock Configuration.**

Timer Parameters

P25   Parameter 25 is the keylock configuration option. The default is 3 for 30 seconds. The keylock configuration option allows the salon owner to maintain a higher sense of security by locking out the front rail keys in several specified intervals while the timer is connected to a network. This feature is only available with software level 16 or higher. The keylock intervals are:

> 0 - Lock keys and release only when power cycled.
> 1 - Lock keys and release only when parameter is changed to an option other than 01.
> 2 - Lock keys and release only after the network cable has been removed for 2 minutes.
> 3 - Lock keys and release only after the network cable has been removed for 30 seconds.

WARNING: If you set parameter 25 to 01 (Lock until parameter changed) you will be unable to change this parameter or unlock the front rail keys without the use of a CCS-1 or other control device. The Intellitan Protocol Interface (IPI) does not edit this or any other parameter.

To Change Parameter 25, Keylock Configuration

Press **Reset** once then release it, the display will begin to flash. Now press s until the desired option 0,1,2,3 is displayed, press **Reset** once and release it. Next cycle the power to the timer and tanning unit off and back on. The Keylock Configuration is now saved.

Now press **Start/Stop** once and release it to reach **Parameter 26 (P26), TPI Interface Enable.**

P26   Parameter 26 is the Third Party Interface (TPI) Mode toggle. The default is 0 for disabled. The Intelli tan Plus timer has a TPI jack built in to the timer itself. This jack replaces the need for a second or additional interface when using other timer systems. The TPI jack is located next to the two network jacks on the top of the tanning unit (under the hinge cover). It is the larger of the three jacks and comes with a unused modular plug in the jack. When using the Intellitan Plus timer in TPI mode the Intellitan Plus looks for control voltage (5-30v) on the outside two wires of the modular cable plugged into the TPI port. When this voltage is seen, the maximum tanning time is sent to the timer and the tanning unit is started. Any session delay should be programmed on the third party timer and the Intellitan session delay should be set to 0. The front rail keys are locked in TPI mode. This feature is only available with software level 16 or higher.

To Change Parameter 26, TPI Mode

Press **Reset** once then release it, the display will begin to flash. Now press s until 0001 is displayed, press **Reset** once and release it. Next cycle the power to the timer and tanning unit off and back on. The TPI Mode is now enabled. To disable this function change parameter 26 back to 0000.

Now press **Start/Stop** once and release it to reach **Parameter 27 (P27), Timer Protocol Option.**
your factory representative for more information on the Intellitan series of bed controllers.

Timer Parameters

P27   Parameter 27 is the Timer Protocol Option. The default is 0 for Intellitan Protocol. The timer protocol option allows the salon owner to change timer network protocols from the Intellitan Network to the T-Max[1] protocol for use with the Applied Digital T-Max Manager. For additional information please consult the T-Max documentation. This feature is only available with software level 16 or higher.

To Change Parameter 27, Timer Protocol Option

Press **Reset** once then release it, the display will begin to flash. Now press s until 0001 is displayed, press **Reset** once and release it. Next cycle the power to the timer and tanning unit off and back on. The T-Max Protocol is now on. To turn off this function change parameter 27 back to 0000 using the parameter edit instructions in the T-Max documentation. You can not use a CCS-1 or IPI with a timer using T-Max Protocol.

Now press **Reset** once and release it to reach **Parameter 28 (P28), Total Operating Cost.**

P28   Parameter 28 is the Total Operating Cost Accumulator. This parameter tracks total operating costs of the tanning unit based upon parameter 17, session cost per minute. This parameter is displayed in dollars and tenths and rolls over at $999.9. The Total Operating Cost Accumulator can be reset to 0 at anytime in order to track or determine daily, weekly, monthly, quarterly, or annual operating costs.

To Change Parameter 28, Total Operating Cost

Press **Reset** once then release it, the display will begin to flash. Now press s until 0000 is displayed, press **Reset** once and release it. The Total Operating Cost is now reset to 0 and will begin accumulating at the next session.

Now press **Start/Stop** once and release to reach parameter **Parameter 30 (P30), Facial Control**.

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[1]   T-Max is a registered trademark of Salon Systems, Inc./Applied Digital, Inc. Branson, MO.

General Troubleshooting Guide

The following troubleshooting information is divided into two sections. Section A contains items i which the owner may check without the aid of a service person. Section B contains items which must be preformed by QUALIFIED SERVICE PERSONNEL ONLY. If you have any questions other than the ones listed in your troubleshooting guide, contact your dealer or distributor.

(Note: All tanning units are the same, therefore some of the causes may not apply to your unit.)

General Troubleshooting (Section A)

1. Tanning unit does not operate.

CAUSE	**SOLUTION**
a. No power to unit.	a. Check circuit breaker serving bed.
b. Timer is not activated.	b. Press up button, then start button on timer.

Note: If there is power to the unit but the display on the timer is not lighting, you may need to replace the power board and/or the C.P. C. board. Contact Sun Ergoline or your local representative for information.

2. Lamps will not light or lamps flicker.

CAUSE	**SOLUTION**
a. Lamp not seated properly in lampholder	a. Remove lamp, inspect contact on lamp, and reinstall lamp securely into lampholder.
b. Faulty Lamp.	b. Replace lamp. (Refer to Instructional Manual for the correct lamp.

General Troubleshooting (Section B)

All services in the following section are to be completed by a Qualified Service Technician. This section is to aid in isolating and correcting the problems which may occur and is not intended for the use by the owner. Refer to the assembly instructions included with each unit for reference in disassembling and wiring the tanning unit. Disconnect all power to the unit before servicing. Use only factory authorize components for replacements parts.

1. Tanning unit does not operate.

CAUSE	**SOLUTION**
a. Incorrect connection of incoming power.	a. Check electrical connection on wiring diagram and correct as necessary.
b. Faulty wire.	b. Replace.
c. Faulty relay in bed.	c. Replace.
d. Poor wiring connections.	d. Check wiring circuit against appropriate wiring diagram and correct as required.

2. Lamps will not light.

CAUSE	**SOLUTION**
a. Poor wiring crimp at lampholder.	a. Check for loose wire and repair.
b. Faulty or damaged lampholder.	b. Replace.
c. Incoming power to unit incorrect.	c. Check incoming voltage and correct to requirements.
d. Faulty ballast.	d. Locate and replace.
e. Loose power wire to ballast.	e. Locate loose wire and repair.

Sun Ergoline
Limited Warranty

Sun Ergoline warrants its products to be free from defects in materials and workmanship under intended normal use as described in the unit's Operation and Instruction Manual, for a period of three (3) year from date of sale.

This Limited Warranty applies only to the original purchaser of the equipment through Sun Ergoline or its authorized dealer or distributor, and is not transferable.

Sun Ergoline obligations under this warranty are limited to repair or replacement of any defective part without charge for that part to the original purchaser, with the following exceptions:

A. Fluorescent lamps are warranted against defects for a period of thirty (30) days from date of sale.

B. Only original replacment parts obtained through Sun Ergoline, its authorized dealers or distributors may be used. Transportation costs for parts shipped to the consumer and the return of defective parts to Sun Ergoline are not included.

C. Labor will be furnished without charge for a period of ninety (90) days from date of purchase only. All labor and related charges must be authorized by Sun Ergoline prior to start of repairs, and must coincide with Sun Ergoline established rates and time allotment policy.

D. Acrylic: Refer to Manufacturer's Acrylic Warranty Policy.

It is imperative that the original purchaser completes and returns the enclosed warranty card within 10 days after purchase to insure valid registration and coverage for potential claims.

If the warranty card is not registered, proof of purchase from Sun Ergoline or its authorized dealer or distributor will be required prior to any consideration on warranty claims. This could result in service delays.

This warranty is extended to the individual or legal entity, whose name appears on the warranty registration card filed with Sun Ergoline, or whose name appears on the original sale document and may not be transferred to any other individual or legal entity.

This warranty does not apply to any failure of the product, or any parts of the product due to freight damage, alterations, modifications, misuse, abuse, accident, improper maintenance, improper installation, acts of God or if the serial number on the product has been removed, altered or defaced. Adequate packaging must be used for returned goods to prevent freight damage.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY.

THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE THE EXCLUSIVE REMEDIES PROVIDED TO THE PURCHASER BY SUN INDUSTRIES, INC. AND ARE PROVIDED IN SUBSTITUTION OF ALL OTHER REMEDIES. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE EXCLUDED.

No person, firm or corporation is authorized to obligate Sun Ergoline for any liability in connection with the sale or use of these goods.

Limited Acrylic Warranty

Sun Ergoline warrants its acrylic sheets to be free from defects in material and workmanship, under intended normal use, for a period of one (1) year from date of sale of the tanning bed. Due to the tanning lotions, cosmetics, disinfectant and impoper cleaners used on tanning surfaces that cannot be controlled by Sun Ergoline, after the first ninety days of warranty period. Acrylic will be subject to a prorated cost to the consumer on breakage.

Sun Ergoline obligations do not include transportation charges on replacement acrylic.

Sun Ergoline assumes no liability for the cost of removing defective sheets or installing replacement sheets, nor for damage to persons or property.

To make a claim, contact an authorized dealer or distributor of Sun Ergoline or Sun Ergoline Service Department with the model number, the serial number, and the date of purchase of the bed in which the acrylic will be used.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY.

THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE THE EXCLUSIVE REMEDIES PROVIDED TO THE PURCHASER BY SUN INDUSTRIES, INC. AND ARE PROVIDED IN SUBSTITUTION OF ALL OTHER REMEDIES - CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE EXCLUDED.

Sun Ergoline
P.O. Box 2026
Jonesboro, Arkansas 72402
1-800-445-0624
870-935-1130 (in Arkansas)

Warranty Claims
Policy & Procedures

1. When to file a Warranty Claim:

   In the event that your tanning system is not functioning properly under intended normal use as described in the unit's Operation and Instruction Manual, you may then have established cause to file a Warranty Claim.

   NOTE: Both the tanning system and legal registered owner must meet the criteria established under Sun Ergoline Limited Warranty as described in this manual before any Warranty Claim will be considered.

2. Where to call to place a Warranty Claim:

   Sun Ergoline is supported nationwide by an extensive dealer/distributor network through whom the majority of our units are sold and maintained. These dealers/distributors are required by contract to stock sufficient parts to meet the various warranty and nonwarranty needs of their customers.

   Therefore, in order for you to properly file a Warranty Claim, you must locate the name and phone number of the dealer/distributor through whom you purchased your unit. Normally this information can be easily located either on your paid invoice or other proof of purchase documentation that you received when taking delivery of the unit.

   Next, notify the dealer/distributor of the serial number, model number and date unit was purchased. This will initiate the Warranty Claim process.

   Upon determination of the problem, your dealer/distributor can then supply you with the part(s) and proper instructions to return your unit to working order.

   Each dealer/distributor has their own internal procedure for handling Warranty Claims and credits.

   NOTE: Sun Ergoline, the manufacturer, does not involve itself in the direct handling of a Warranty Claim except where mitigating circumstances apply and where required by law.

Parts Warranty Claim/Credit Review

1. Customer calls Sun Ergoline and notifies the Service Department of problem.

2. Sun Ergoline Service Department determines course of action.

3. Sun Ergoline ships part and R.A. (Return Authorization) to customer freight collect and bills customer on net 30 basis for part only.

4. Customer, within 15 days of receiving new part, returns defective part to Sun Ergoline along with R.A.I.

5. Upon receipt of defective part and Return Authorization, Sun Ergoline issues customer a credit invoice which offsets original bill. Customer's account is returned to zero balance concerning this claim.

NOTE: If part returned to Sun Ergoline proves to be operational and not defective, or if product code numbers on part do not correspond with individual unit date on file with Sun Ergoline, then a 30% restocking fee will be charged in addition to the retail purchase price of part.

Acknowledgment of the Agreement is not required for acceptance of the foregoing stipulations.

LABOR WARRANTY CLAIM/CREDIT PROCEDURES

Sun Ergoline furnishes labor without charge for a period of 90 days from date of purchase. All labor and related charges must be authorized by Sun Ergoline **prior** to start or repairs, and must coincide with Sun Ergoline established rates and time allotment policy.

Please contact our Service Department for authorization and billing procedures.

Limited Lifetime Warranty

Sun Ergoline warrants specific individual components of the Models 424SL, 226G, 226GF, 232G, 232GF, 232PF, 240G, CD-52, 300, 450 and 600 tanning systems against defects in materials and workmanship for the life of the product. Coverage is limited to units purchased after November 1, 1994.

This warranty is restricted by the following components only:

> Steel Back Panels
> Structural Steel Frame Components
> Exterior Steel Body

NOTE: Components are warranted on an individual basis and not as they may effect the complete product.

Warranty coverage does not include cosmetic abnormalities such as scratches, nicks, dents, oxidation of paint or other cosmetic changes that do not interfere with the designed function of the unit.

This warranty does not include failure of the product due to freight damage, alteration, modifications, misuse, abuse, improper maintenance, improper installation or repair.

This warranty is not transferable and is only applicable to the original purchaser named on a completed and registered warranty record at Sun Ergoline headquarters.

Sun Ergoline obligations do not include transportation charged on the shipping of new components to the customer or on the return of defective components of the manufacturer. All freight charges must be paid by the customer.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY.

THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY ARE THE EXCLUSIVE REMEDIES PROVIDED TO THE PURCHASER BY SUN INDUSTRIES, INC. AND ARE PROVIDED IN SUBSTITUTION OF ALL OTHER REMEDIES - CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE EXCLUDED.