puretan

California 30/36

OWNER'S MANUAL

ASTERISK, INC.
MANUFACTURERS FOR
PURETAN, INC.
4113 LINDBERG DR.
DALLAS, TEXAS 75244
800-338-8267

Use ONLY in a fixture equipped with a timer SUNLAMP - DANGER - ultraviolet radiation.
Follow instructions.

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 IN SEVERE BURNS OR LONG-TERM 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 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.

EXPOSURE TIME AND FREQUENCY

WEEK	1	1	1	2	2	2	3	3	3	4	4	4
SESSIONS	1	2	3	1	2	3	1	2	3	1	2	3
MINUTES PER DAY	3	3	5	5	7	7	10	10	12	15	10	20

A spacing of 48 hours between sessions is recommended. It may take between 1 to 4 exposures before the expected results appear.
Schedule for maintainence of tan 20 minutes max once every two weeks.
Ultraviolet lamps to be used in this product "Puretan S+"/ *Wolff Bellarium 'S'
WARNING: before servicing this equipment first remove the power supply cord.

WARNING:

- maximum recommended exposure time is 20 minutes.
- read instructions booklet before using this product.
- use of other positions as well as exposure at less than the minimum use distance may result in over-exposure and is therefor not recommended.

Use protective eyewear type Introxco Gironde 12, 3831 AB LEUSDEN, The Netherlands, Cat. No. 5653/1S color green, whenever the product in energized.

Minimum use distance:
Sunroof 0.038 mtr (1.5")

This product is in conformity with performance standards for sunlamp products under 21 CFR part 1040.

MANUFACTURER:

ASTERISK, INC.
4113 LINDBERG DR.
DALLAS, TX 75244

PURETAN, INC.
4113 LINDBERG DR.
DALLAS, TX 75244

CURRENT: 22 AMP 3500 WATT

VOLTAGE: 220 QC

SERIAL NO. 1301

MANUFACTURED: APRIL 1993

MODEL: CALIFORNIA 30- COUCH

UV-A SOURCE: PURETAN S+

MANUFACTURER:

ASTERISK, INC.
4113 LINDBERG DR.
DALLAS, TX 75244

PURETAN, INC.
4113 LINDBERG DR.
DALLAS, TX 75244

CURRENT: 22 AMP 3500 WATT

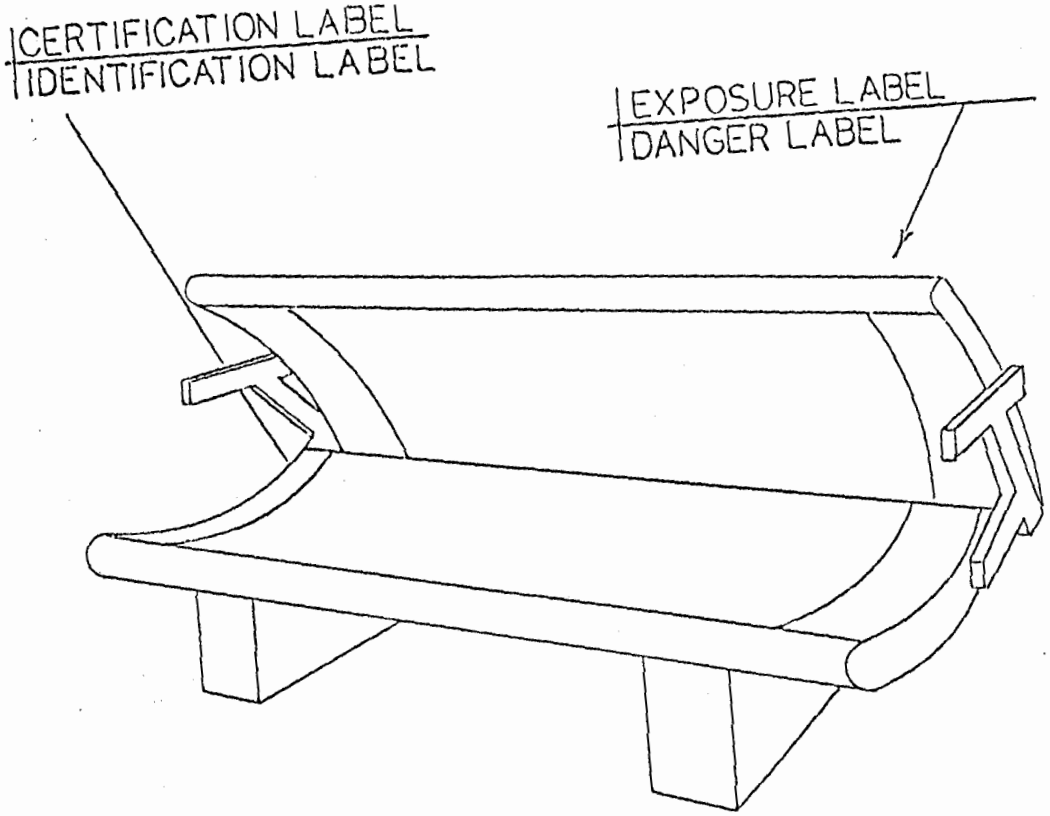
VOLTAGE: 220 QC

SERIAL NO. 1301

MANUFACTURED: APRIL 1993

MODEL: CALIFORNIA 30- CANOPY

UV-A SOURCE: BELL "S"



CALIFORNIA 30/36

Congratulations! You are the owner of the finest tanning equipment on the market. Be assured that the California 30/36 by **puretan** is manufactured with care using the best materials, components and craftsmanship possible.

In order to receive maximum benefit from your California 30/36 sun system please read and understand this manual thoroughly.

The sun

The sun is the source of all energy on earth. It provides us with light which enables us to see and make plants grow. It emits infrared rays which we experience as warmth. A third form of solar energy is less noticeable, but equally important for our well being; ultraviolet radiation. This electro magnetic radiation is divided into three bands:

long wave (uv-a)	380-215 nm
medium wave (uv-b)	320-280 nm
short wave (uv-c)	280-180 nm

Radiation in the short wave band provides a strong germicidal effect and lamps emitting uv-c are used for air and liquid disinfection. Though the sun emits uv-c it is filtered out by the earth's ozone layer and therefore does not reach the earth. You will find no uv-c radiation emitted by your California 30/36 sun system. **puretan** tanning products use only ultraviolet radiation from the uv-b and uv-a regions for the cosmetic tanning process.

The process of tanning

The immediate tanning that occurs with exposure to ultraviolet radiation of wavelengths longer than 300 nm and extending into the visible blue region is the darkening of existing melanin. This melanin is formed in the skin under the influence of uv-b. This melanin moves through the cells at the surface of the skin, and there changes into pigment. The tan produced in this way is called "indirect tanning". Tanning under uv-b starts slowly, but the overall time to get a deep tan is shorter than with uv-a. With uv-b the skin goes through a stage of reddening called "sunburn" or erythema. Uv-a causes direct tanning. Direct tanning starts immediately but takes longer to obtain an attractive tan. The lamps in your California 36 use a combination of uv-b and uv-a in the exact proportions, based upon recommended exposure time, to give your skin the attractive, bronze tone you desire in a short period of time.

Protecting the eyes

Ultraviolet radiation in the uv-b and uv-a regions may cause eye damage. **puretan** therefore provides protective eyewear with each piece of tanning equipment and recommends their use during each tanning session. Use protective eyewear type Interexco Gironde 12, 3831 AB LEUDSEN, Cat. No. 5653/1S color green, or other quality eyewear assessed by the Department of Health and Human Services (F.D.A.) whenever the product is energized.

Cleaning the sunbed and sunroof

After each session is completed, spray the acrylic surface with **puretan** disinfectant anti-fungal cleanser made specially for tanning products. Do not use conventional cleaners containing alcohol, amonia or astringents. Do not wipe acrylic surfaces with a dry cloth as the static charge formed will attract dust.

Caution

Always disconnect electricity before cleaning internally. Do not use excessive amounts of water, abrasive cleaners, or cleaners with warning labels regarding reactions to contact with the skin. Do not use products containing alcohol, ammonia or astringents.

Repairs and recommended replacement parts

puretan, inc. or your **puretan** distributor is capable of providing prompt and up to the minute service recommendations should you equipment require exceptional maintenance.

Recommended parts replacements

It is recommended that parts such as timers, protective eyewear and lamps be replaced with factory supplied parts obtainable through **puretan, inc.**, 4113 Lindberg Dr., Dallas, Texas, 75244 (1-800-338-8267) or your **puretan** distributor or dealer.

Only factory approved parts when installed as instructed insure continued compliance with F.D.A. and U.L. standards.

Warning

The California 30/36 is designed for use by only one person at a time. Therefore only one pair of protective eyewear is provided.

(B) in horizontal groove through the opening (2) in the top of the arm, and pull sunroof forward, as closing it. The sunroof should now roll in the grooves, and easily open and close.

Insert the component drawers into the leg housings. Slide the drawer with the timer and hour meter into the right leg housing, and the drawer with the plain face plate into the left leg housing.

Locate the cable on the rear panel of the sunroof and insert the connector into the receptacle on the right power base (see figure 5, "B"). **Do not force.** There are guides on both components to ensure they are connected correctly. When the connection is made, slide the sleeve nut over the threads on the receptacle and hand tighten **carefully...do not force.** The nut will turn easily when properly aligned. Locate the cable on the rear panel of the sunbed and carefully repeat the above, connecting the sunbed to the left power base (see figure 5, "A"). Insert the plug on the umbilical cord located on the right power base (see figure 5, "C") into the receptacle on the left power base (see figure 5, "D").

Locate the fan "shroud" (packaged separately) and attach it to the sunroof covering the twin turbo fan by inserting the enclosed plastic pins into the holes provided.

The power cord from the right power base (figure 5, "E") is to be connected to a dedicated 30 amp "twist lock" wall receptacle. **The acceptable voltage range is 218-236. Voltage output above or below this range will cause ineffective operation, and or damage to the sun system.** Locate the four pin remote control *plug packaged separately with the hardware. Insert the plug into the "jack" on the rear of the right power base (see figure 5, "F"). *This plug is the hook-up for a remote control monitor, but also acts as a "key". Your California 30/36 is not operational until the plug is inserted in the "jack". This will enable you to "lock" your sun system in the "off" mode to prevent unauthorized use. Your California 30/36 is now ready to test, by turning the timer knob on the face of the right power base clockwise.

<u>CAUTION</u>! It is important that when relocating the sun system, lifting or moving of the sunbed is necessary. Do not, under any circumstance, attempt to lift the system by the rollerarms.

*See instructions on page 8 for remote control installation.

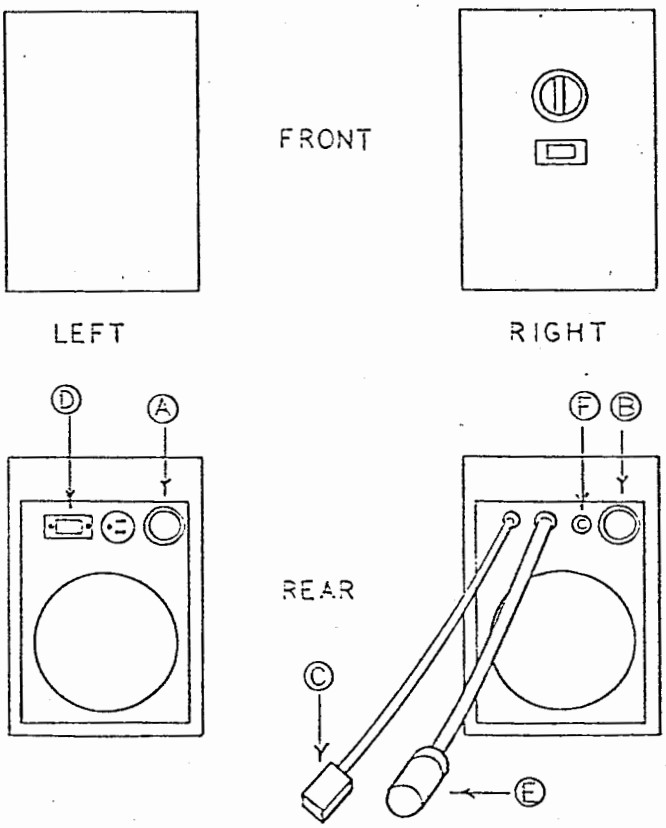


FIGURE 5

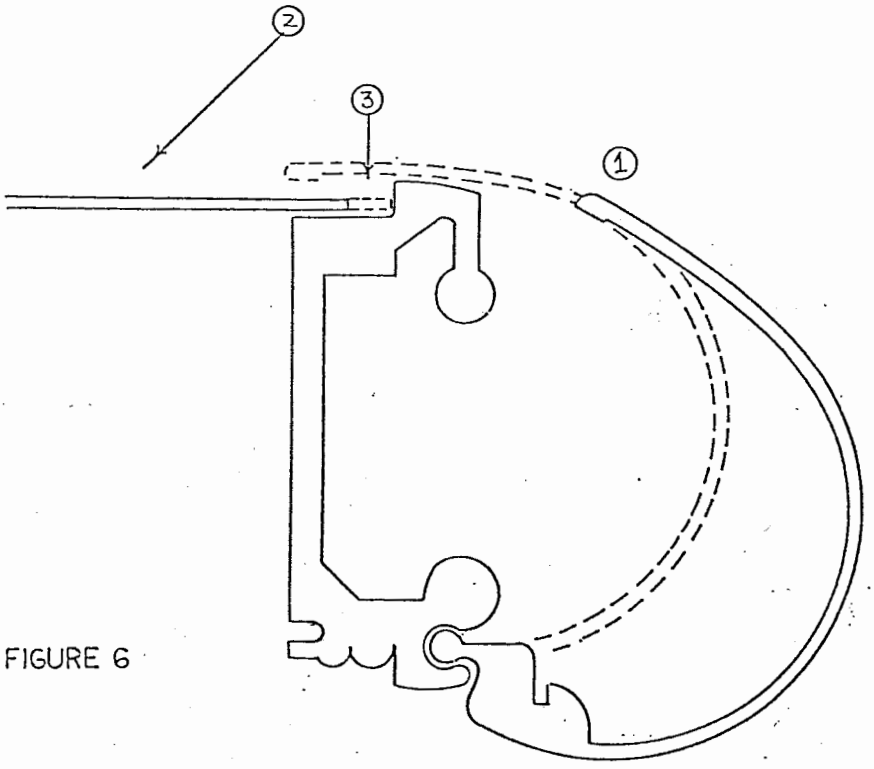


FIGURE 6

Carefully turn the sunroof, and lay it on top of the foam blocks, acrylic side down (see figure 5). Line up the holes in the bottom of the pivot arm with the holes in the rear of the sunbed end plates and insert the four 3/8" x 2" allen cap bolts and black flat washers provided. Your California 30/36 is a precision piece of equipment, and the tolerances are very close, but the foam packaging is not. It may be necessary to push the sunroof down slightly into the foam for proper alignment of the holes.

Locate the gaspistons, and remove the metal retainers by twisting them out away from the socket, and then straight toward the center of the gaspiston for removal. Attach the gaspistons (cylinder end up) to the unit by tapping the sockets onto the balls with your hand or rubber hammer. Replace the retainers.

Remove the foam blocks, and the sunroof should easily open and close. Replace the acrylic shields.

Insert the component drawers into the leg housings. Slide the drawer with timer and hour meter into the right leg housing, and the drawer with the plain face plate into the left leg housing.

Locate the cable on the rear panel of the sunroof and insert the connector into the receptacle on the right power base (see figure 6, "B"). **Do not force.** There are guides on both components to ensure they are connected correctly. When the connection is made, slide the sleeve nut over the threads on the receptacle and hand tighten **carefully...do not force.** The sleeve will turn easily when properly aligned. Locate the cable on the rear panel of the sunbed and carefully repeat the above, connecting the sunbed to the left power base (see figure 6, "A"). Insert the plug on the umbilical cord located on the right power base (see figure 6, "C") into the receptacle on the left power base (see figure 6, "D").

The power cord from the right power base (figure 6, "E") is to be connected to a dedicated 30 amp "twist lock" wall receptacle. **The acceptable voltage range is 218-236. Voltage output above or below this range will cause ineffective operation, and or damage to the sun system.** Locate the four pin remote control plug packaged separately with the hardware. Insert the plug into the "jack" on the rear of the right power base (figure 6, "F"). *This plug is the hookup for a remote control monitor, but also acts as a "key". Your California 30/36 is not operational until the plug is inserted in the "jack", enabling you to prevent unauthorized use. Your California 30/36 is now ready to test, by turning the timer knob on the face of the right power base clockwise.

<u>CAUTION!</u> It is important that when relocating the sun system, lifting or moving of the sunbed is necessary. Do not, under any circumstances, attempt to lift the system by the sunroof.

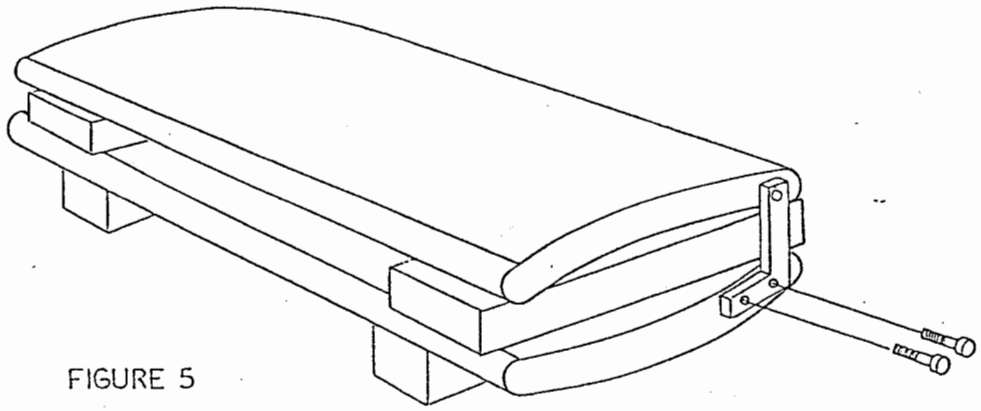


FIGURE 5

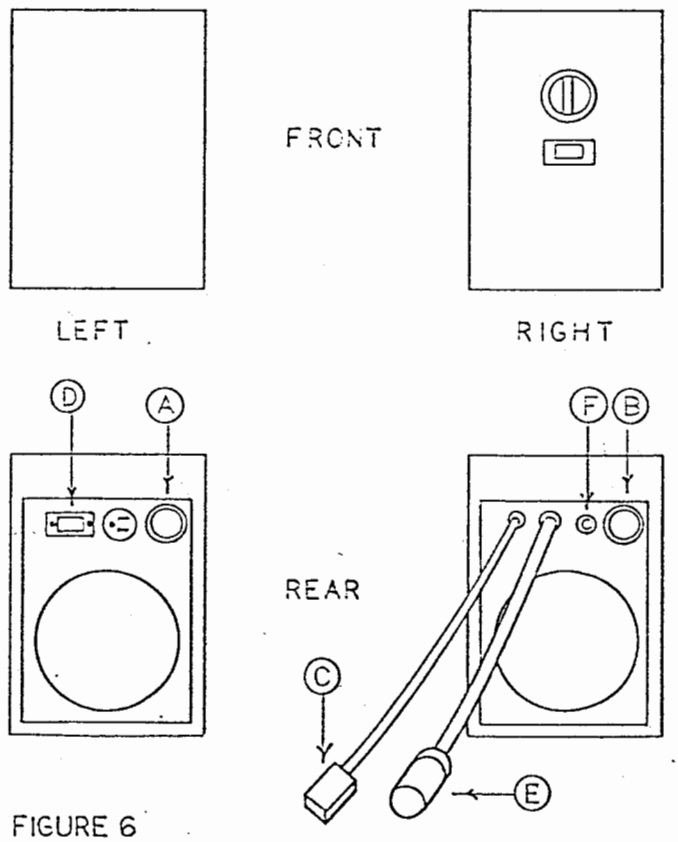


FIGURE 6

Starter Replacement

The starters are located behind the row of stationary lampholders; to the far right side on the sunbed and to the far left on the sunroof. To remove a starter from its holder, carefully twist counter-clockwise until the "click" is felt and remove. To reinstall, insert the connectors into the largest opening on the holder, and twist clockwise until locked in place.

Installing Remote Control

To install your **puretan** remote control timer to the California 30/36, proceed with the following steps.

Disconnect power cord from wall receptacle. Remove the four pin remote control plug, which was discussed in the power base section of "assembly", from the rear of the right power base. Unscrew the wire nut which connects the red and black wires together and separate them. Connect the plug wires to the appropriate colored wires on the remote monitor you have chosen, as illustrated in figures 7 and 8. For lead cable use thermostat or similar guage (18-24) wire, as less than on half (1/2) amp current is applied. Locate four (4) conductor cable with wire colors: black, red, yellow and green to avoid confusion during installation.

Insert the "plug" into the "jack" on the rear of the right power base, and the California 30/36 is now operational from a remote location.

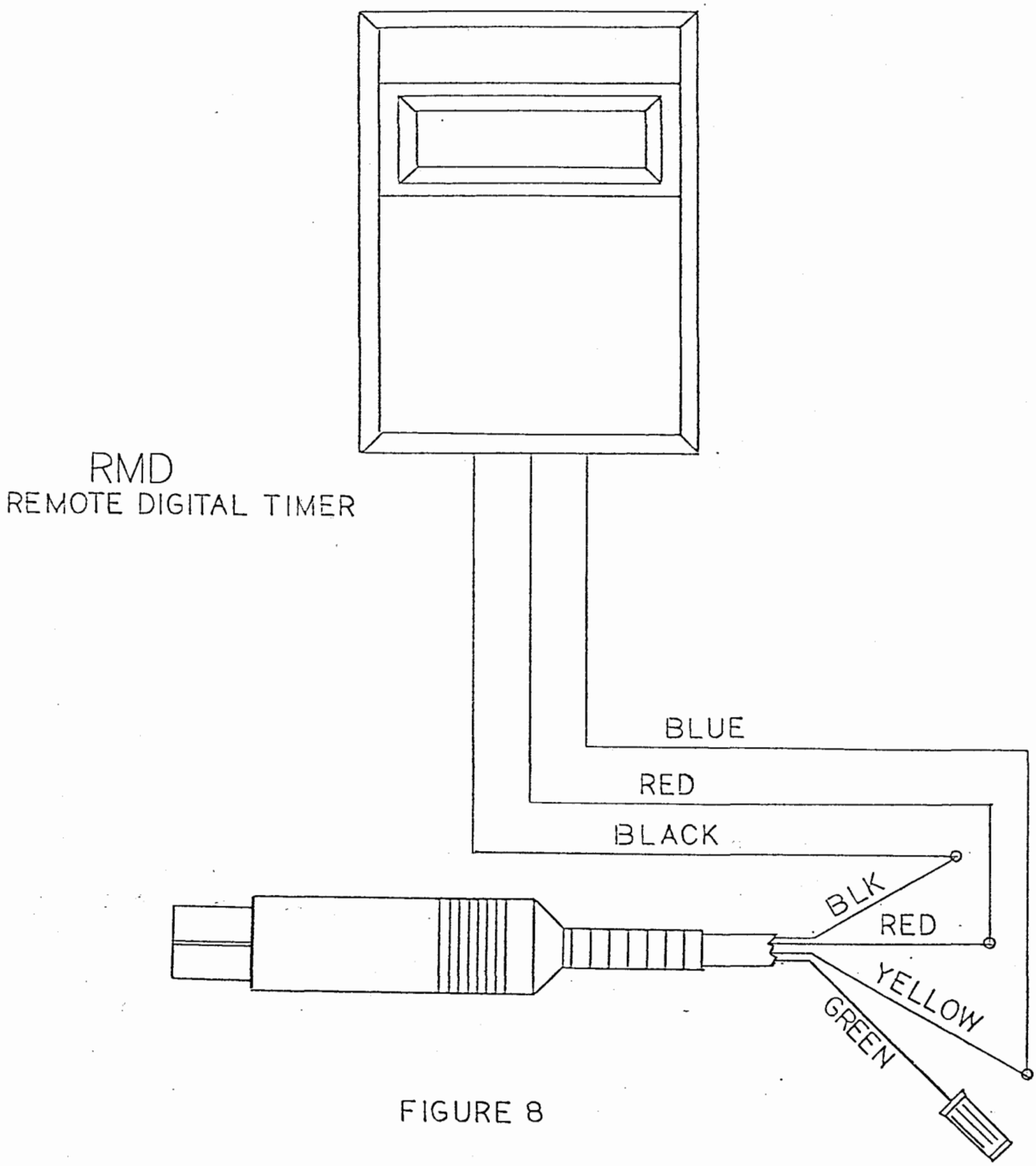

RMD
REMOTE DIGITAL TIMER
BLUE
RED
BLACK
BLK
RED
YELLOW
GREEN

FIGURE 8

b. Remove small screws and slide component drawers forward until they clear the housings, and reconnect umbilical cord "C" and cables "A" (from sunroof to left power base) and "B" (from sunbed to right power base).

c. One at a time check corresponding ballast connections of non-lighting lamps by gently pulling on wire where it inserts into plastic connector (see corresponding number sequence, figures 9 and 10). If any wires are loose, push into connector and test. If no loose wires are detected, check to see if the ballast for a lamp which will not light has a corresponding capacitor connection. Note that the capacitors shown on figure 10 have a letter as well as a number (i.e. A-17 B-10 etc.). If, for example, the number 17 lamp is not lighting, check the wire connections at the capacitor marked A-17. If no loose wires are detected, install a "jumper" wire between the two connections on the capacitor cap and retest. If the lamp lights, replace the capacitor. Make certain to insert the wires in exactly the same terminals. If the lamp still does not light, **remove the jumper wire** and go on to "d".

d. One at a time replace corresponding ballast of non-lighting lamps. Start by inserting a small screwdriver in the slot directly above the wire, push down and simultaneously pull wire out of connector. Remove the two hold down screws at either end of ballast and replace. To reconnect wires, gently push into appropriate corresponding position in ballast connector. Test the system. If lamp(s) still will not light, consult **puretan, inc.** technical support.

Sun system will not terminate operation

1. Remove the remote control plug from "jack" (figure 5, "F") on rear of right power base. If system discontinues operation, go to 2. If system continues to operate, **disconnect power cord from wall receptacle.** Remove component drawers from housings as described on pages 12 and 13, instructions 2 "a" and "b". Locate relay (figure 10) and replace by first removing the two retainer screws. Change connectors at each terminal separately and install directly to replacement relay's corresponding terminals. It is important to reconnect the connectors to exactly the same terminals. Re-install relay and test. If sun system still operates improperly, consult **puretan, inc.** technical support.

2. **Disconnect power cord from wall receptacle.** Remove component drawers from housings (see above). Locate timer (figure 10) and replace by first removing the plastic knob and two retaining screws. Pull connectors from each terminal separetely and install directly to replacement timer's corresponding terminals. It is important to reconnect the connectors to exactly the same terminals. Re-install timer and test. If sun system still operates improperly, consult **puretan, inc.** technical support.