



## V-Style Operating Table Top

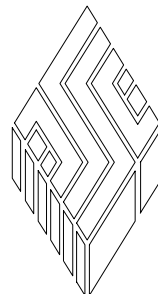
- *Permit precise animal positioning*
- *Select between heated & unheated models*
- *Choice of 46 in. or 58 in. lengths*
- *Top quality stainless steel construction*

### New Model Numbers:

18110-00-HBAACX, 18115-00-HBAACX, 18110-00-IXAACX,  
18115-00-IXAACX

### Former Model Numbers:

202334-01, 212647-01, 202336-01, 208465-01



# SSCI

Wheeling, IL (800) 323 7366

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Wheeling, Illinois 60090, USA

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# Chapter 1 - General Information



## Introduction

SSCI's V-Style Operating Table Tops are perfect when you require precise animal positioning. The tops feature two stainless steel table leaves which can be positioned independently to let you form the angle that holds the animal just right for the procedure. Locking/release knobs are located at each end of the table for convenience. The satin finish is easy on the eyes even with bright operating lighting.

A detachable, easily-cleaned drain trough under the center of the table directs fluids to a drain/collection hole to keep the operating site clear. Adjustable tie-downs on both sides keep animals safely positioned during surgical procedures.

The available heated table tops help your patients maintain a constant body temperature during procedures. Continuous, even heat is distributed over the table top surface for greater animal comfort. The temperature you select is shown on an LCD display, and an indicator light shows you when the temperature is reached. The heat controller unit is mounted conveniently under the top edge of the table.

## About this Manual

Every attempt has been made to insure that the information in this manual is correct and complete. SSCI, however, always welcomes our customer's suggestions for improvements to our products and associated publications.

## Information and Safety Notices

Throughout this manual you will find text under the headings **Note:**, **CAUTION:** and **WARNING:**.

### Notes

Under **Note:** headings, you will be given additional information pertinent to the subject discussed in that paragraph or step.

**Example:**

Plug the male, 2-pronged connector into the female plug under the table. **Note:** The prongs are different sizes - make sure they align properly.

### CAUTIONS

Under **CAUTION:** heading,s you will be alerted to potentially hazardous conditions which, if ignored or mishandled, could result in minor injury to yourself, or minor damage to the equipment.

**Example:**

**CAUTION: Unpacking and assembling the V-style operating table top is not difficult. However, the table top is heavy and we recommend that unpacking and assembly be done by at least two people. Follow the instructions carefully to prevent injury to yourself or damage to the table top.**

### WARNINGS

Under **WARNING:** headings, you will be alerted to potentially hazardous conditions which, if ignored or mishandled, could result in major injury to yourself, or severe damage to the equipment.

**Example:**

**WARNING: To tighten or loosen the 5-pin connector, ALWAYS turn the large ring. NEVER turn the small ring. Trying to turn the small ring can tear the pins out of the connector.**



## Models

The model numbers and characteristics of the V-Style Operating Table Tops are:

New P/N	Former P/N	Size	Heat
18110-00-HBAACX	202344-01	46 in.	Unheated
18115-00-HBAACX	212647-01	46 in.	Heated
18110-00-IXAACX	202336-01	58 in.	Unheated
18115-00-IXAACX	208465-01	58 in.	Heated

Each top can be mounted on a standard pedestal operating base, an Imperial manually-operated base, or a Regal electrically-operated base.

## Accessories

The following accessories increase the operating convenience of your V-style Operating Table. Find descriptions, pictures, and information on SSCI products and accessories in our current catalog, or on our website at [www.suburbansurgical.com](http://www.suburbansurgical.com). To order accessories, refer to *Parts Ordering Procedure* on Page 26.

- Head extension - P/N 102897-00
- Cam cleat tie-downs (pair) - P/N 102875-00
- Casters, 3 in. dia., with brakes - P/N 851199
- Stainless steel bucket - P/N 021876P

## Care and Cleaning of Stainless Steel

### Introduction

Stainless steel is steel alloyed with chromium to make it highly resistant to stain, rust and corrosion. **Note:** This does NOT mean that stainless steel will *never* rust or corrode. Science has not yet developed a steel which is completely stainless or corrosion PROOF.

The type of stainless steel and finish selected by SSCI for the V-style table top is the best available for the intended use.

### Cleaning and Cleansers

The basic rule of thumb is to use the mildest cleaning procedure that will do the job effectively. Always rinse thoroughly with clear water and dry completely. Frequent cleaning will prolong the service life of stainless steel equipment and will help maintain a bright, pleasing appearance. **Note:** NEVER power-wash the table top.

Ordinary deposits of waste and fluids can usually be removed with soap and water. More stubborn deposits or tightly adhering debris may require harder scrubbing and possibly the use of commercial cleaning products acceptable for use on metal surfaces. When using any cleaning agent, rub in the direction of the polish lines or “grain” of the metal. For high luster finishes, clean soft cloths or pads should be used. If especially rough cleaning is necessary, use “stainless steel” wool, nylon or plastic scrubbers. Test these scrubbers in an inconspicuous area first to be sure they do not mar or scratch the stainless steel finish.

Minor scale build-up and some hard water spotting may be removed by washing with vinegar, followed by a neutralizing rinse with clear water and a thorough drying with a soft cloth. For heavy deposits of scale, 5% oxalic acid (use warm), 5-15% sulfamic acid, or 5-10% phosphoric acid may be used. Always follow with a neutralizing rinse of clean water and a thorough drying.

### **Deodorizing Agents, Disinfectants, and Sanitizers**

The large selection of brands and combinations of chemicals available for deodorizing, disinfecting and sanitizing is staggering. Select one or more agents for use in your facility only after weighing all the benefits claimed by each product. Often this choice is made without adequate consideration of the effects these agents may produce on equipment or furnishings.

**CAUTION: Before selecting a chemical to employ in your facility, review label statements regarding use with metals (stainless steel). Always consult the chemical supplier if there are any doubts.**

Avoid prolonged use of chlorides (such as chlorine bleach), bromides, iodides and thiocyanates on stainless steel surfaces as these chemicals will cause pitting, corrosion and metal discoloration. Allowing salty solutions to evaporate and dry on stainless steel may also contribute to corrosive conditions.

In summary, select chemical deodorizers, disinfectants and/or sanitizers only after weighing all possible benefits and known adverse effects.

### **Effect on Warranty**

**CAUTION: The warranty for this product is void if the care and cleaning instructions provided in this manual are not followed.**

## **Cleaning Requirements**

Clean the V-style Table Top exactly in accordance with the cleaning instructions provided in *Chapter 3* of this manual. *Failure to follow these instructions can void your warrantee.*

## **SSCI Contact Information**

Contact SSCI Customer Service by mail, telephone or fax. The department is available from 8:30am to 5:00pm, Central Time, Monday through Friday. Closed holidays.

**Address:** Suburban Surgical Co., Inc.  
275 Twelfth Street  
Wheeling, Illinois 60090

**Telephone:** Illinois - (847) 537-9320, ext. 3518  
Toll Free - (800) 323-7366

**Fax:** (847) 537-9061

**Web:** [www.suburbansurgical.com](http://www.suburbansurgical.com)

## **Warranty**

Suburban Surgical Company, Inc. warrants the original purchaser that our products are of the highest standards in material and workmanship. Our stainless steel components are guaranteed to last a lifetime assuming they are used as intended, properly maintained and cared for. Mechanical, electrical, electronic, hydraulic, and any product's devices carry a one year warranty.

Items purchased by Suburban Surgical Company, Inc. from other manufacturers and incorporated into our equipment are covered by the respective manufacturer's warranties.

Warranties will not apply if it is determined by Suburban Surgical Company, Inc. that the equipment became defective due to an accident, misuse, abuse, improper maintenance or alteration. Warranty freight charges are covered for the first year only.



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## Introduction

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Items purchased by Suburban Surgical Company, Inc. from other manufacturers and incorporated into our equipment are covered by the respective manufacturer's warranties.

Warranties will not apply if it is determined by Suburban Surgical Company, Inc. that the equipment became defective due to an accident, misuse, abuse, improper maintenance or alteration. Warranty freight charges are covered for the first year only.



# Chapter 2 - Assembly

## General

**Overview** This chapter guides you in assembling the SSCI V-Style Operating Table Top. If you should require additional assistance, please feel free to call SSCI Customer Service at (800) 323-7366.

**Inspection** If the shipping container appears damaged in any way, contact the shipping company immediately. Save all damaged packing materials to assist in proving liability for damage.

Carefully inspect your operating table top while you unpack it. If any damage is noted, or if parts appear to be missing, call SSCI Customer Service at (800) 323-7366.

## Parts Included

Model	Style	Table	Heat Cont.
18110-00-HBAACX 202334-01	46 in. Unheated	212639	None
18115-00-HBAACX 212647-01	46 in. Heated	212648	208416
18110-00-IXAACX 202336-01	58 in. Unheated	212086	None
18115-00-IXAACX 208465-01	58 in. Heated	212087	208416

**Table 1. Parts Included with Each Table**

## Assembly Procedures

Assembly procedures for 46 in. and 58 in. V-style table tops are identical. Refer to the pages listed below for instructions for unheated and heated models:

- Unheated (Models 18110-00-HBAACX and 18110-00-IXAACX) - *Page 8*
- Heated (Models 18115-00-HBAACX and 18115-00-IXAACX) - *Page 11*

**CAUTION:** Unpacking and assembling the V-style Operating Table Top is not difficult. However, the table top is heavy and we recommend that unpacking and assembly be done by at least two people. Follow the instructions carefully to prevent injury to yourself or damage to the table top.

## Bases

Each V-type Operating Table Top can be mounted on a standard pedestal operating base, an Imperial manually-operated base, or a Regal electrically-operated base.

Before beginning the assembly of the table top, refer to the instructions for your particular base and complete the assembly of that unit.

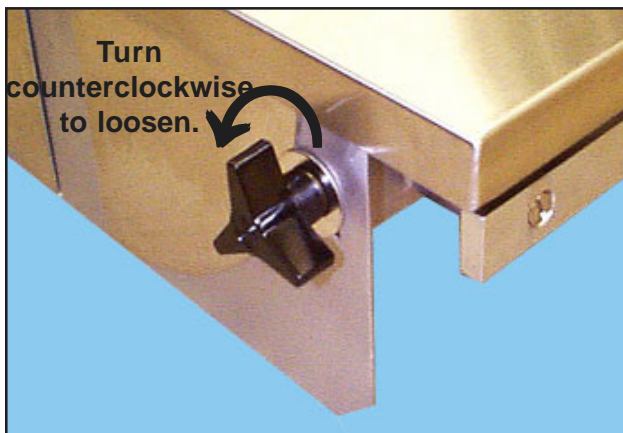
## Unheated Table Tops

(P/Ns 18110-00-HBAACX  
and 18110-00-IXAACX)

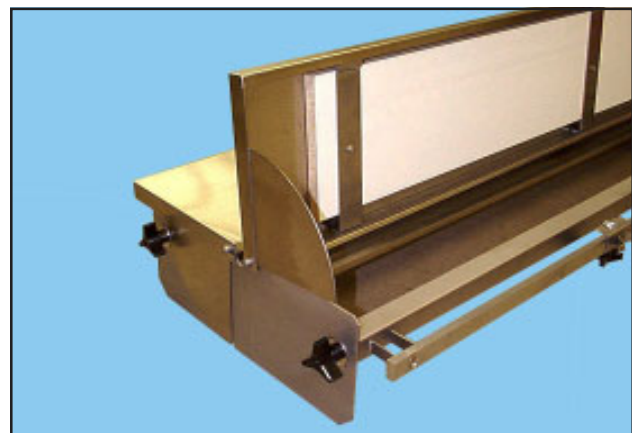
**Tool Required** 1/2 in. wrench

### Assembly Procedure

1. Assemble your base according to the instructions packed with the unit.
2. After removing the table top from the shipping carton, place it right-side-up on a smooth, clean floor or other surface.
3. Loosen one top panel adjusting knob (turn the knob counterclockwise) on one end of the table (Figure 1).
4. Pivot that top panel up to a 90° angle (Figure 2).
5. Lift up on the panel and remove it from the table.
6. Repeat *Steps 3 through 5* above to remove the remaining top panel.



**Figure 1. Top Panel Adjusting Knob (One of Four)**



**Figure 2. Top Panel at 90° Angle**

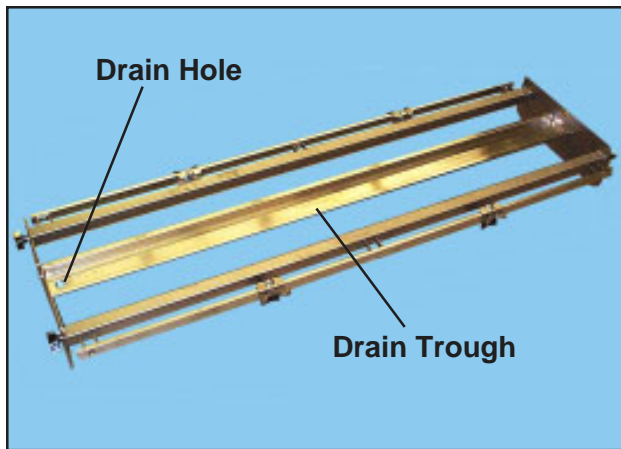


Figure 3. Drain Trough

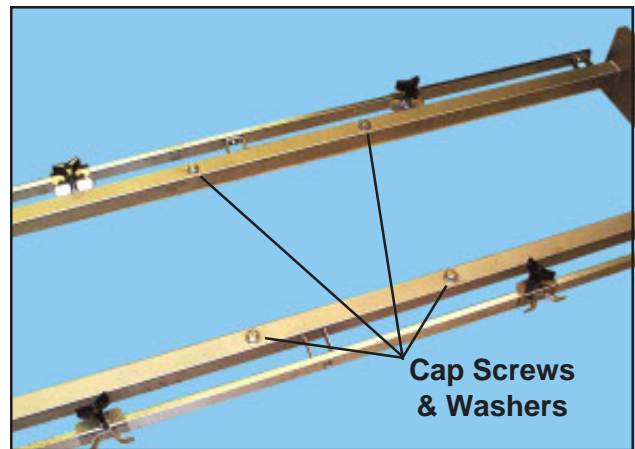


Figure 4. Cap Screws and Washers in Table Top Frame

7. Lift out the drain trough (Figure 3).
8. Turn the table top frame over so that it is up-side-down.
9. With a 1/2 in. wrench, remove the four cap screws and eight flat washers from the table top frame (Figure 4).  
**Note:** Save these screws and washers - you will use them in *Steps 12 and 13* to mount the table top to the base.
10. Place the table top frame on the top mounting bracket of your base (Figure 5). **Note:** The holes in the top frame are off-center. Position the frame so that the longer end of the table is on the opposite side of the base from the tilt lock handle.

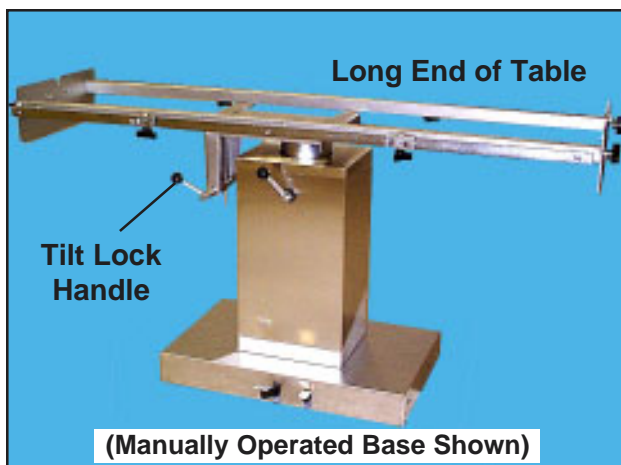


Figure 5. Table Top Frame Mounted on Base

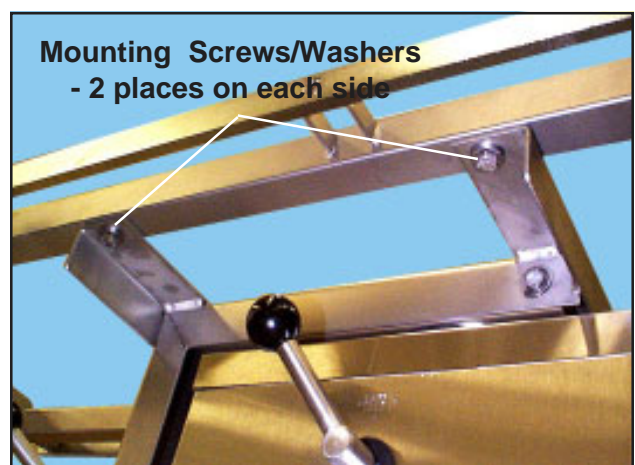


Figure 6. Mounting Screws/Washers - Table Top to Base

11. Align the table frame on the base so that the mounting holes on the frame line up with the mounting holes on the base bracket (Figure 6).
12. Place two flat washers on each of the four mounting screws.
13. From underneath, secure the top frame to the base with the four screws/washers.
14. Position the drain trough in the table top frame by placing the flanged sides of the trough over the two supporting studs on either end of the frame (Figure 7).  
**Note:** Orient the trough so that the drain hole is on the opposite side of the base from the tilt lock handle.

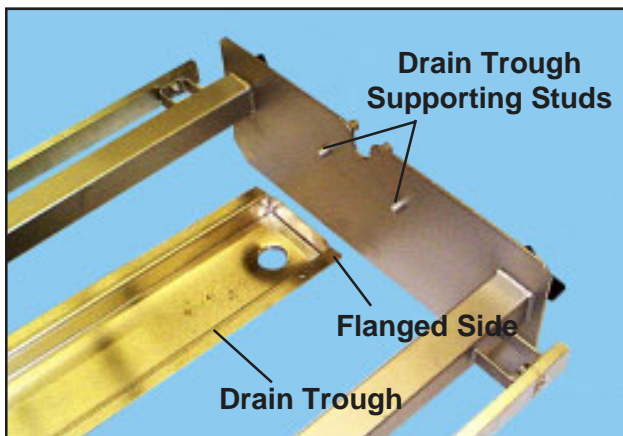


Figure 7. Installing the Drain Trough

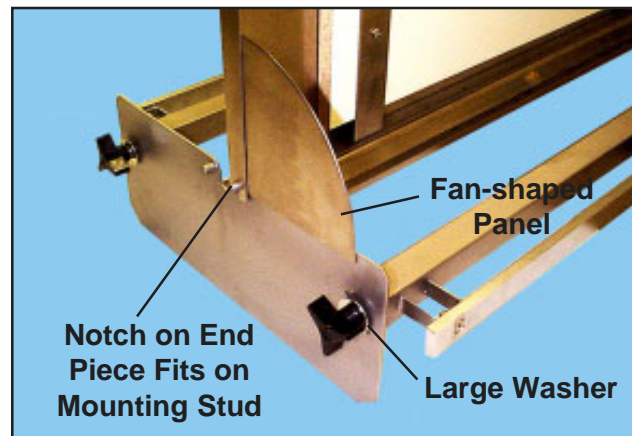


Figure 8. Installing a Top Panel

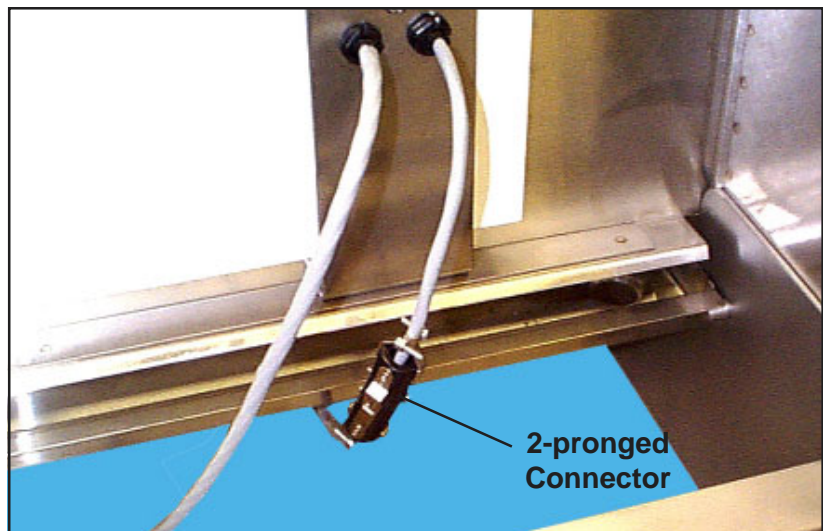
15. Loosen the adjusting knobs on both ends of the table for one of the top panels.
16. Drop a top panel in place on the table at a 90° angle (Figure 8). The small notches on the end pieces fit over the mounting studs on each end. Make sure that the fan-shaped metal panel fits *under* the large washers behind both knobs.
17. Pivot the top panel down to its normal position and tighten the adjusting knobs.
18. Repeat *Steps 15 through 17* and install the remaining top panel.

***Assembly of your unheated V-Style Operating Table is now complete.***

## Heated Table Tops (P/Ns 18115-00-HBAACX and 18115-00-IXAACX)

**Tool Required** 1/2 in. wrench

- Assembly Procedure**
1. Assemble your base according to the instructions packed with the unit.
  2. After removing the table top from the shipping carton, place it right-side-up on a smooth, clean floor or other surface.
  3. Loosen one top panel adjusting knob (turn the knob counterclockwise) on one end of the table (Figure 1).
  4. Pivot that top panel to a 90° angle (Figure 2).
  5. Disconnect the two halves of the 2-pronged connector under the top panels (Figure 9). **Note:** Squeeze the latches inward and pull the plugs apart.



**Figure 9. Disconnecting the 2-pronged Connector Under the Table.**

6. Lift up on the panel and remove it from the table.
7. Repeat *Steps 3, 4, and 6* above to remove the remaining top panel from the table.

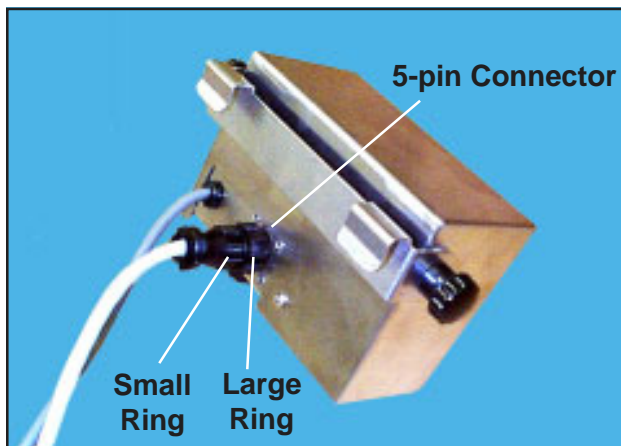
8. Lift out the drain trough (Figure 3).
9. Turn the table top frame over so that it is up-side-down.
10. With a 1/2 in. wrench, remove the four cap screws and eight flat washers from the underside of the table top frame (Figure 4). **Note:** Save these screws and washers - you will use them in *Steps 13* and *14* to mount the table top to the base.
11. Place the table top frame on the top mounting bracket of your base (Figure 5). **Note:** The holes in the top frame are off-center. Position the frame so that the longer end of the table is on the opposite side of the base from the tilt lock handle.
12. Align the table frame on the base so that the mounting holes on the frame line up with the mounting holes on the base bracket (Figure 6).
13. Place two flat washers on each of the four mounting screws.
14. Secure the top frame to the base with the four screws/washers.
15. Position the drain trough in the table top frame by placing the flanged sides of the trough over the two supporting studs on either end of the frame (Figure 7). **Note:** Orient the trough so that the drain hole is on the opposite side of the base from the tilt lock handle.
16. Loosen the adjusting knobs on both ends of the table for one of the top panels.
17. Drop top panel in place on the table at a 90° angle (Figure 8). The small notches on the end pieces fit over the mounting studs on each end. Make sure that the fan-shaped metal panels fit *under* the large washers behind both knobs.
18. Pivot the top panel down to its normal position and tighten the adjusting knobs.
19. Repeat *Steps 16* through *18* and install the remaining top panel.



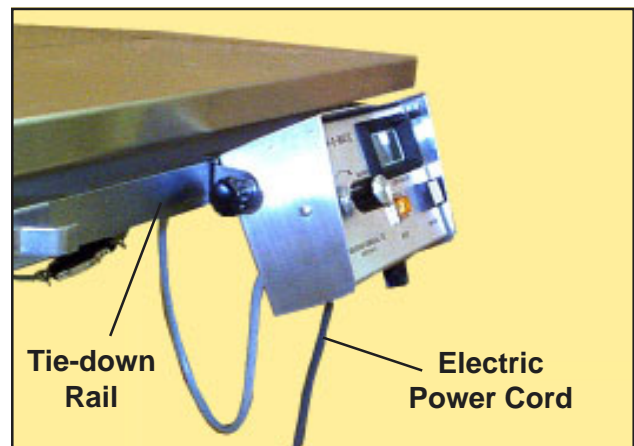
20. Pivot the top panel with the two electric cords attached to the underside to the 90° angle position.
21. Plug the male, 2-pronged connector into the female plug under the table (Figure 9). **Note:** The prongs are different sizes - make sure they align properly.
22. Secure the two plugs together with the locking clips on the plugs. **Note:** The longer latches should go *under* the shorter latches.

**WARNING:** To tighten or loosen the 5-pin connector, **ALWAYS** turn the large ring (Figure 10). **NEVER** turn the small ring. Trying to turn the small ring can tear the pins out of the connector.

23. Making sure that the pins and holes line up correctly, plug the 5-pin plug into the socket in the back of the heat controller and secure the connection by turning the large ring clockwise (Figure 10).



**Figure 10. Attaching 5-pin Connector to the Heat Controller**



**Figure 11. Mounting the Heat Controller**

24. Hang the heat controller on the tie-down rail at a convenient location (Figure 11).
25. Return the top panel to the normal position.
26. Plug in the electric power cord.

***Assembly of your heated V-Style Operating Table is now complete.***

## **Disposition of the Shipping Carton**

The shipping carton can be cut up and thrown away. It is large and bulky and takes up considerable space. If adequate space is available, however, it might be handy to retain the carton and pallet in case reshipment of the table top to the manufacturer becomes necessary for repairs.

# Chapter 3 - Operating and Cleaning

## Introduction

Operating the V-Style Operating Table Top is very simple. The following instructions cover:

- Adjusting the table top panels - *Page 15*
- Removing and installing the table top panels - *Page 16*
- Using the restraint system - *Page 18*
- Using the drain trough - *Page 18*
- Operating the heater - *Page 22*
- Adjusting heat controller view angle - *Page 22*

The only routine maintenance requirement of the V-Style Operating Table Top is regular cleaning. Refer to *Cleaning the V-Style Table Top* on *Page 23* for detailed instructions.

## All V-Style Table Tops

### Adjusting the Table Top Panels

Each top panel has adjusting knobs at both ends of the table. To adjust the angle of a panel, rotate one of the adjusting knobs for that panel counterclockwise to loosen it (Figure 12), and pivot the panel to the desired angle (Figure 13). Then rotate the knob clockwise to hold the panel at that angle. It is not necessary to loosen the knobs at both ends to adjust a panel - just one will do. By adjusting both panels independently, you can form them into any desired V configuration to hold the animal firmly in place.

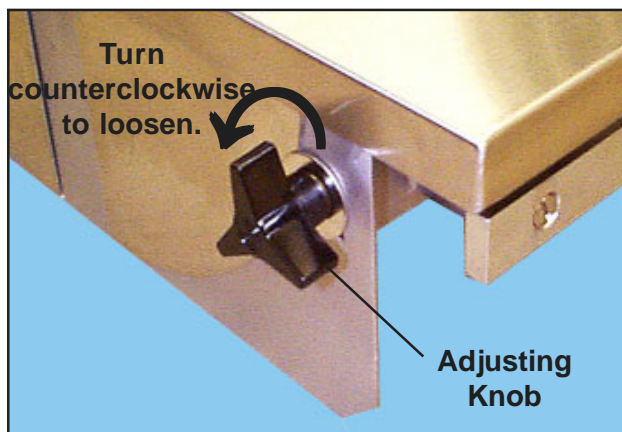


Figure 12. Top Panel Adjusting Knob (One of Four)

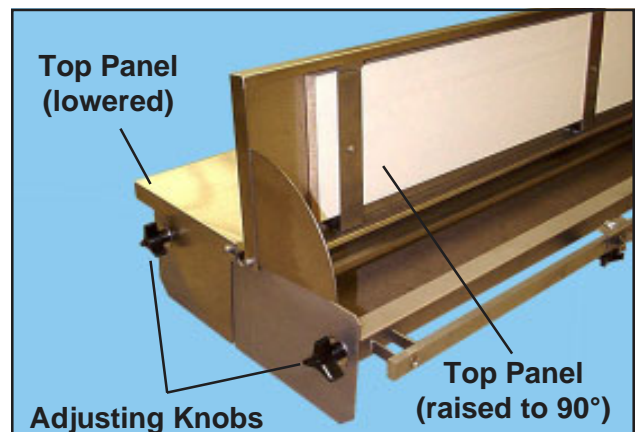


Figure 13. Top Panel at 90° Angle

## Removing and Installing the Table Top Panels

Both table top panels can easily be removed from the table.

**Note:** On heated units, one of the top panels has two electric wires connected to its underside: (1) the connection to the other panel, and (2) the cable to the heat controller. The other panel has only one cable.

### Removing the Top Panels

To remove the top panels:

1. Loosen both adjusting knobs on one end of the table (Figure 12).
2. Pivot the panels up to 90° (Figure 13).
3. Heated Units ONLY: Disconnect the 2-pronged connector under the panels (Figure 14). **Note:** Squeeze the latches inward and pull the plugs apart.

**WARNING:** To tighten or loosen the 5-pin connector, ALWAYS turn the large ring (Figure 15). NEVER turn the small ring. Trying to turn the small ring can tear the pins out of the connector.

4. Heated Units ONLY: Turn the *large* ring on the the 5-pin connector counter-clockwise and pull the cable from the connector on the rear of the heat controller.
5. Lift the panels up and off the frame.

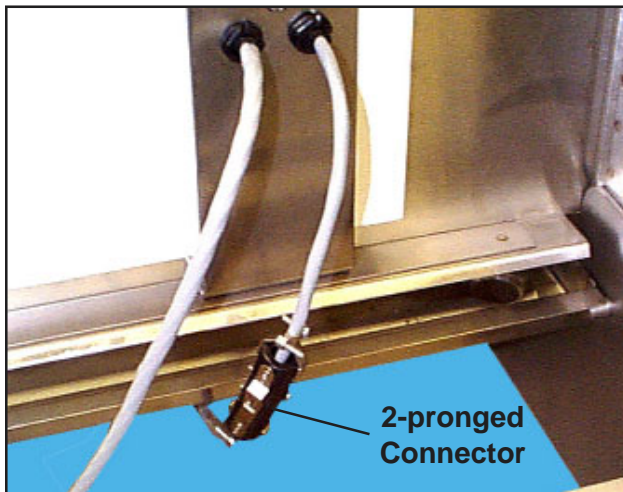


Figure 14. Disconnecting the 2-pronged Connector Under the Table.

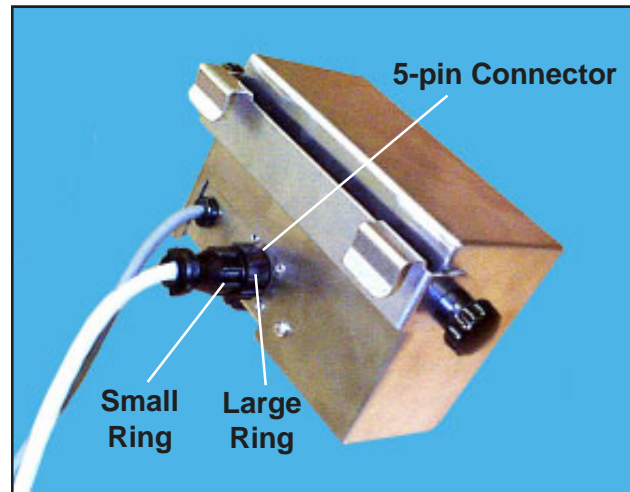
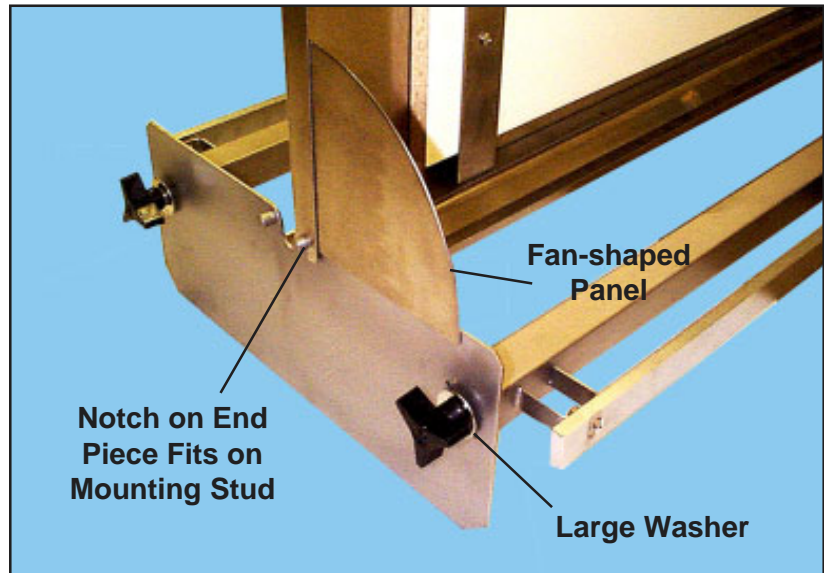


Figure 15. Attaching 5-pin Connector to the Heat Controller

## Installing the Top Panels

To replace the top panels:

1. Drop one of the top panels in place on the table at a 90° angle (Figure 16). The small notches on the end pieces fit over the mounting studs on each end. Make sure that the fan-shaped metal panels fit *under* the large washers behind the knobs.
2. Install the second panel the same way.



**Figure 16. Installing a Top Panel**

3. Heated Units ONLY: Plug the male, 2-pronged connector into the female plug under the table (Figure 14). **Note:** The prongs are different sizes - make sure they align properly.
4. Heated Units ONLY: Secure the two plugs together with the locking clips on the plugs. **Note:** The longer latches should go *under* the shorter latches.
5. Heated Units ONLY: Plug the 5-pin plug into the socket in the back of the heat controller and secure the connection by turning the *large* ring clockwise (Figure 15). **Note:** Make sure the pins and holes line up correctly.
6. Pivot both panels down and tighten the adjusting knobs.

## Using the Restraint System

Two moveable tie-downs are located on each side of the table (Figure 17) and provide a means of restraining a reluctant or frightened animal. Below each tie-down is a black knob. Loosening this knob allows the tie-down to be moved forward or back along the tie-down rail. After moving the tie-down, tighten the knob to hold it firmly in place.

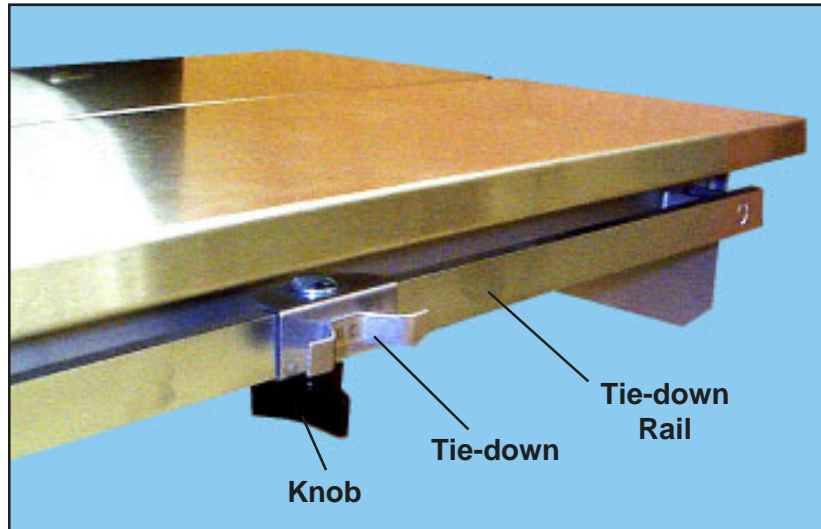


Figure 17. Tie-down (one of four)

## Using the Drain Trough

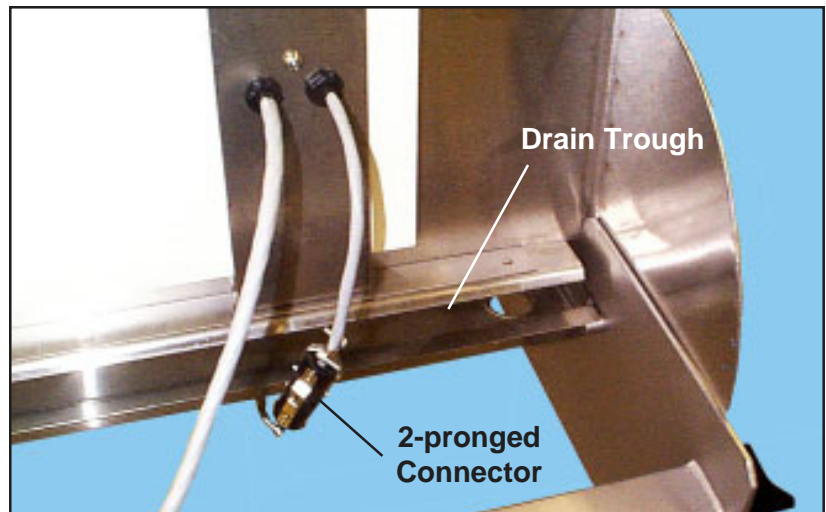
The drain trough can be removed from the table for cleaning.

### Removal

1. Pivot one of the top panels up to 90°. Refer to *Removing and Installing the Top Panels on Page 16*.
2. Heated Units ONLY: Disconnect the 2-pronged connector under the top panel (Figure 14).
3. If the drain trough contains significant amounts of fluid, place a container under the drain hole and tilt the trough toward it and drain the fluids out.
4. Lift the drain trough out.

### Cleaning the Drain Trough

Clean the drain trough in accordance with the stainless steel cleaning instructions under *Cleaning Procedures on Page 23*.



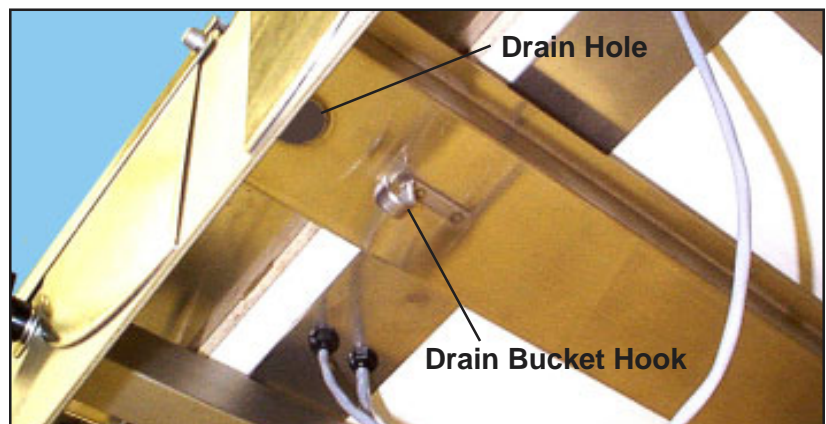
**Figure 18. Drain Trough in Place**

### Installation

1. Place the drain trough back into the table frame with the flanged sides of the trough over the supporting studs in the frame. Make sure the drain hole is on the side of the table *away* from the tilt lock handle.
2. Heated Units ONLY: Reconnect the 2-pronged connector under the top panel.
3. Pivot the top panels back down.

## Bucket Hook

A hook is provided under the drain hole to hold a bucket to catch fluids from the drain trough (Figure 19). A stainless steel bucket is available from SSCI; refer to *Available Accessories* on *Page 3*.

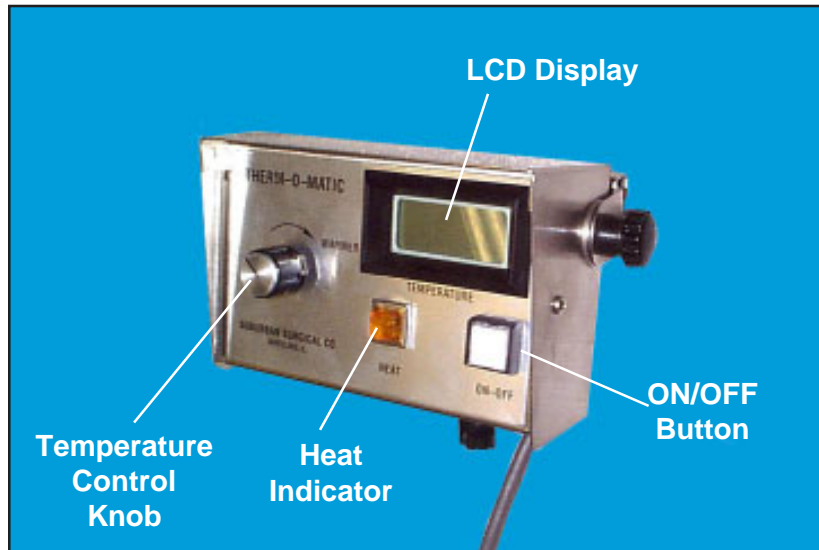


**Figure 19. Drain Bucket Hook**

## Heated Table Tops Only

### Heat Controller Components

The following paragraphs describe the various components on the heat controller. Figure 20 shows the components visible from the front of the controller, and Figure 21 shows those components visible from the rear.



**Figure 20. Heat Controller Components (Front)**

#### **ON/OFF Button**

Pressing the ON/OFF button (Figure 20), as you might expect, turns the heat controller on and off. When the controller is on, this button is illuminated.

#### **Temperature Control Knob**

The temperature control knob (Figure 20) allows you to select the desired temperature for the table top.

- To increase the temperature, turn the temperature control knob clockwise. **Note:** The maximum temperature is 105° F.
- To decrease the temperature, turn the temperature control knob counterclockwise.

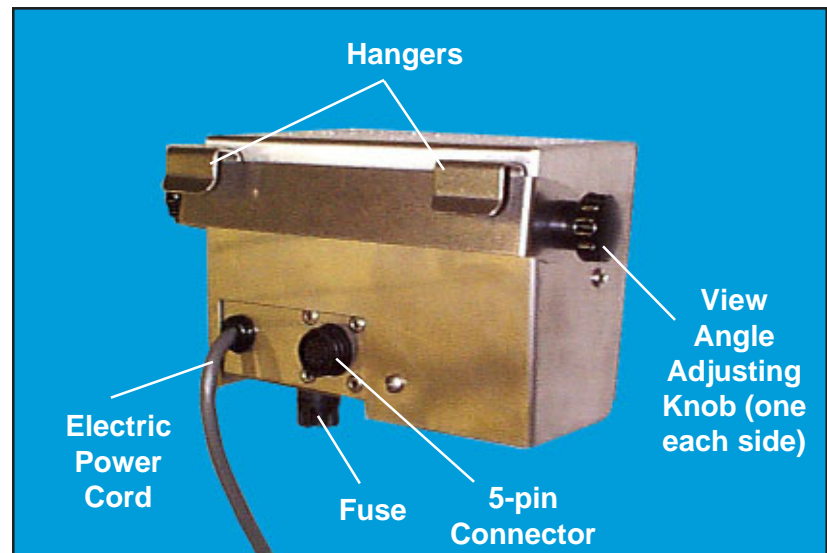


### LCD Display

The LCD display (Figure 20) shows the current temperature of the table top in degrees F.

### Heat Indicator

When you turn the unit on, the heat indicator illuminates. The heat indicator (Figure 20) will turn off when the table reaches the selected temperature.



**Figure 21. Heat Controller Components (Rear)**

### Fuse

A fuse (Figure 21) rated at 2 amps is located on the underside of the heat controller and protects the unit against electrical malfunctions. Refer to *Chapter 4, Repairs and Replacements* on *Page 37* for information on replacing a fuse

### 5-pin Connector

The 5-pin connector (Figure 21) provides a terminal for the electric cord that connects the heat controller to the heating system in the top panels.

**WARNING:** To tighten or loosen the 5-pin connector, **ALWAYS** turn the large ring (Figure 15). **NEVER** turn the small ring. Trying to turn the small ring can tear the pins out of the connector.

### Hangers

Two hangers mounted on a common bar (Figure 21) allow you to hang the heat controller on the table tie-down rail.

### Electric Power Cord

The electric power cord (Figure 21) for the heating system is attached to the rear of the heat controller.

### View Angle Adjusting Knobs

Loosening the two knobs that hold the hanger bar to the controller (Figure 21) allows you to alter the view angle of the heat controller.

## Operating the Heater

Press the ON/OFF button (Figure 20) to turn the heater on or off. When you turn the unit on, the ON/OFF button and the heat indicator will illuminate. The LCD screen will display the current temperature of the table.

- To increase the temperature, turn the temperature control knob clockwise. **Note:** The maximum temperature is 105° F.
- To decrease the temperature, turn the temperature control knob counterclockwise.

The heat indicator will turn off when the table reaches the selected temperature.

To maintain the table at a constant temperature, turn the temperature control knob slightly counterclockwise after the table reaches the selected temperature. The table will maintain that temperature.

## Adjusting Heat Controller View Angle

The heat controller can be rotated vertically to change your viewing angle of the faceplate. To change the view angle, loosen the two adjusting knobs (Figure 21), turn the controller to a comfortable viewing angle, then retighten the knobs.

## Cleaning the V-Style Table Top

### Introduction

You will no doubt want to clean your table top whenever it becomes dirty or saturated with waste fluids. Maintaining high standards of sanitation will be an important priority for your facility.

### Cleaning Procedures

Whenever necessary, rinse the table top with clear water and dry thoroughly with clean, soft cloths.

Whenever necessary, remove the drain trough, empty it and rinse it thoroughly.

Ordinary deposits of waste and fluids can usually be removed with soap and water. Stubborn deposits may require scrubbing with “stainless steel” wool, nylon or plastic scrubbers and/or the use of commercial cleaning products. Always scrub in the direction of the “grain” of the metal. Rinse with clear water and dry thoroughly with clean, soft cloths.

Minor scale build-up and some hard water spotting may be removed by washing with vinegar, followed by a neutralizing rinse of clear water and a thorough drying with clean, soft cloths.

For heavy deposits of scale, 5% oxalic acid (use warm), 5-15% sulfamic acid, or 5-10% phosphoric acid may be used. As always, rinse with clear water and dry thoroughly with clean soft cloths.,

Avoid prolonged use of chlorides (such as chlorine bleach), bromides, iodides and thiocyanates. Never allow salty solutions to dry on the stainless steel. **Note:** NEVER power-wash the table top.



# Chapter 4 - Repairs and Replacements

## Replacement Parts

The table below lists the replacement parts available for the V-Style Table Tops. For parts not listed below, contact SSCI Customer Service at (800) 323-7366. Refer to *Parts Ordering Procedure* on Page 26.

Part Name	SSCI Part Number	Unheated Tops	Heated Tops	Replacement Instructions
Top Panel, Unheated, 46 in. (2)	212644	X		Page 28
Top Panel, Unheated, 58 in. (2)	200401	X		Page 28
Tie-Down Assy (4)	202965-1	X	X	Page 29
Top Panel Adjusting Knob (4)	750584	X	X	Page 30
Washer, Large (Adjusting Knob) (4)	850743	X	X	Page 30
Washer, Small (Adjusting Knob) (4)	850012	X	X	Page 30
Top Panel Adjusting Rod, 46 in. (2)	754643	X	X	Page 30
Top Panel Adjusting Rod, 58 in. (2)	750213	X	X	Page 30
Drain Trough, 46 in.	212640	X	X	Page 32
Drain Trough, 58 in.	200404	X	X	Page 32
Top Panel, Heated, 46 in.. 2-Cable	212649-01		X	Page 35
Top Panel, Heated, 46 in., 1-Cable	212653-01		X	Page 35
Top Panel, Heated, 58 in.. 2-Cable	211866-01		X	Page 35
Top Panel, Heated, 58 in., 1-Cable	211867-01		X	Page 35
Fuse, 3AG, Fast-Acting, 250v. 2A	853848		X	Page 37
Heat Controller, Complete	208416		X	Page 38
Temperature Control Knob	853461		X	Page 40
Temperature Control Assembly	853844		X	Page 41
Heat Indicator Light	853454		X	Page 44
Cord, Heat Controller to Table Top	211924		X	Page 46
Female 2-Pronged Connector & Cord	211925		X	Page 50
Male 2-Pronged Connector & Cord	211926		X	Page 52

**Table 2. Replacement Parts Available for V-Style Table Tops**

## General

- Many threaded fasteners used on the table tops are secured with thread adhesive to insure structural integrity.
- If during disassembly, you remove any tape, cable ties, etc., remember to replace them when the installation is complete.
- During disassembly, retain all hardware items such as screws, nuts, lockwashers, etc. for reassembly.
- If you have problems with any procedure, please feel free to call SSCI Customer Service at (800) 323-7366.

## Parts Ordering Procedure

Order new equipment, accessories, and/or replacement parts directly through SSCI Customer Service. You can order by mail, telephone, or fax. Refer to *SSCI Contact Information* on Page 5 for address, telephone, and fax numbers. When ordering, please provide the following information:

- Your name
- Company name
- Company account number
- Telephone number
- Fax number
- e-mail address
- Shipping address
- Billing address (if different from shipping address)
- Names, part numbers, and quantities of items being ordered
- Credit card number and expiration date, or other payment information
- Preferred method of shipment
- Information on whether the items are required on a normal or urgent basis

## Procedures - All Table Tops

This section covers removal and installation of those parts common to both unheated and heated table tops. The procedures are identical for 46 in. and 58 in. models. For those procedures that pertain to heated tops only, refer to *Pages 33 through 53*.

### Removing Unheated Table Tops for Service (with Top Panels)

This sub-section concerns the removal of *unheated* table tops only (including top panels). This procedure would be important if, for example, you needed to perform service on the base. The procedures for heated tops is more complex and is covered in the section under *Removing Heated Table Tops for Service* on Page 33.

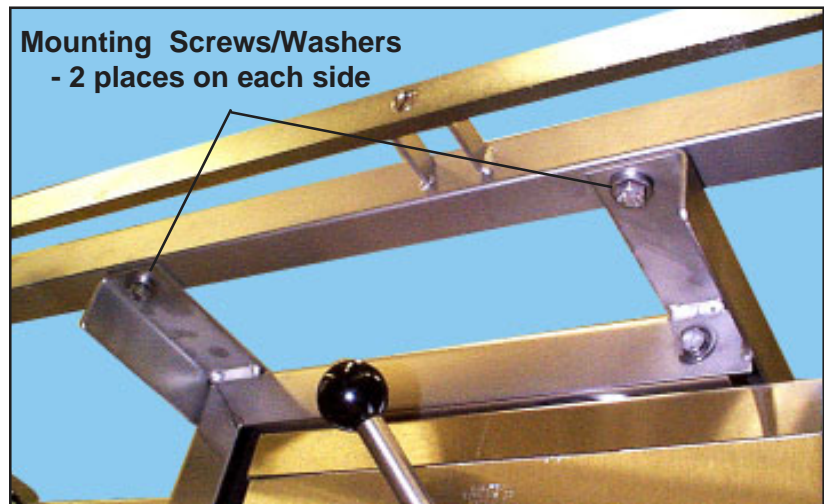
### Tool Required

- 1/2 in. wrench

**CAUTION:** Removing and installing the V-style table top is not difficult. However, the table top is heavy and we recommend that these procedures be done by at least two people. Follow the instructions carefully to prevent injury to yourself or damage to the table top.

### Removal

1. With a 1/2 in. wrench, remove the four screws and eight washers that hold the table top to the base mounting bracket (Figure 22).
2. Carefully lift the table top off the base.



**Figure 22. Mounting Screws/Washers - Table Top to Base**

### Installation

Follow the procedure for installing a new top and base. Refer to *Assembly Procedure, Steps 10 through 13*, starting on *Page 9*.

## Unheated Top Panels

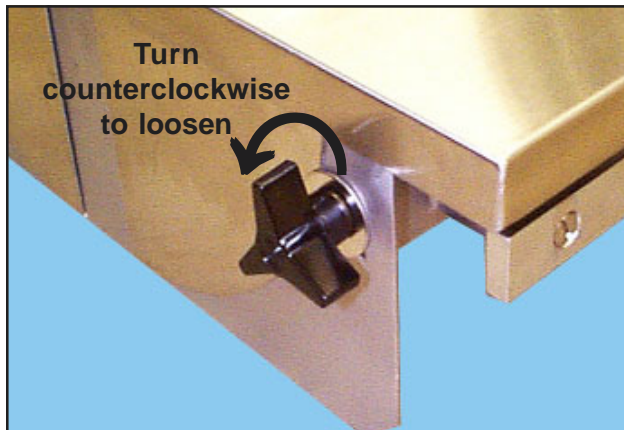
P/N 212644 - 46 in.

P/N 200401 - 58 in.

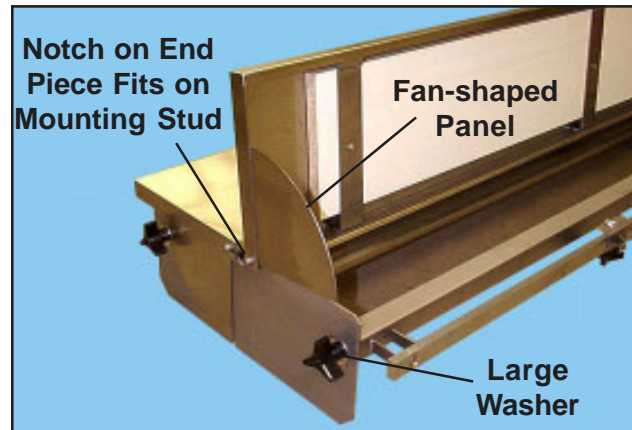
This procedure guides you in removing and replacing one or both top panels from an unheated table top.

### Removal

1. Loosen one top panel adjusting knob (turn the knob counterclockwise)(Figure 23).
2. Pivot that top panel up to a 90° angle (Figure 24).



**Figure 23. Top Panel Adjusting Knob (One of Four)**



**Figure 24. Top Panel at 90° Angle**

3. Lift up on the panel and remove it from the table.
4. Repeat *Steps 1* through *3* to remove the remaining top panel.

### Installation

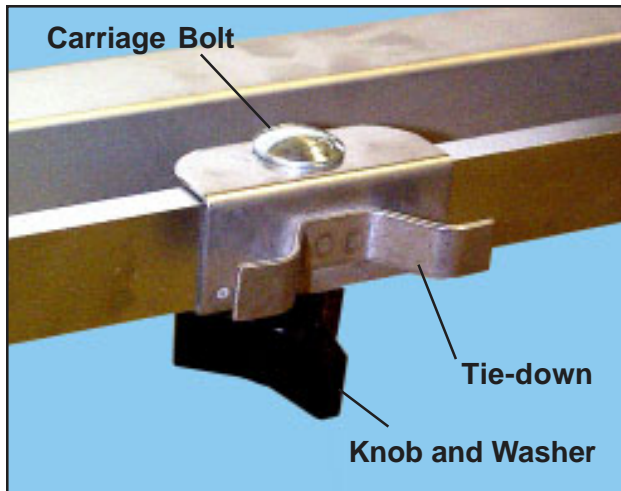
1. Loosen all four adjusting knobs on both ends of the table.
2. Drop one of the top panels in place on the table at a 90° angle (Figure 24). The small notches on the end pieces fit over the mounting studs on each end. Make sure that the fan-shaped metal panel fits *under* the large washers behind both knobs.
3. Pivot the top panel down to its normal position and tighten the adjusting knobs.
4. Repeat *Steps 1* through *3* and install the remaining top panel.



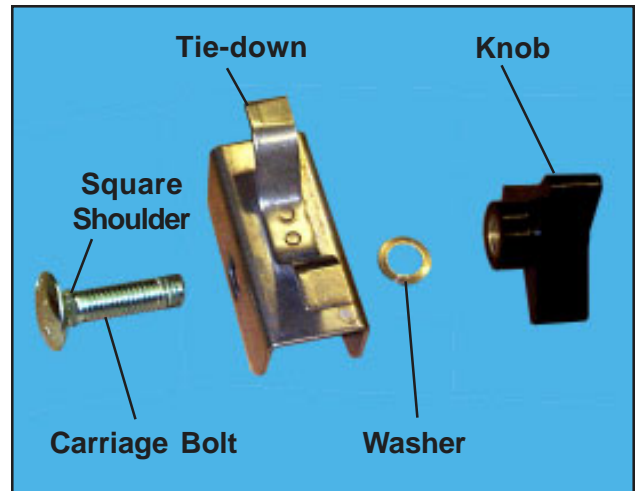
**Tie-down Assembly**  
P/N 202965-1

**Removal**

1. Unscrew and remove the knob from the bottom of the tie-down (Figure 25). Don't lose the washer.
2. Lift the carriage bolt up and out of the tie-down (Figures 25 and 26).
3. Remove the tie-down from the rail.



**Figure 25. Tie-down Assembly**



**Figure 26. Tie-down Assembly Parts**

**Installation**

1. Place the tie-down in position on the tie-down rail (Figure 25).
2. Slide the carriage bolt down through the two square holes in the tie-down. Make sure that the square shoulder of the carriage bolt head (Figure 26) seats into the upper hole.
3. Secure the tie-down in place with the washer and knob.

## Top Panel Adjusting Knob

P/N 750584

## Washer, Large

P/N 850743

## Washer, Small

P/N 850012

There are four top panel adjusting knobs on the V-style table top. Behind each knob is one small and one large washer (Figure 27).

### Removal

1. Unscrew and remove the adjusting knob (Figure 27).
2. Take off the small and large washers.

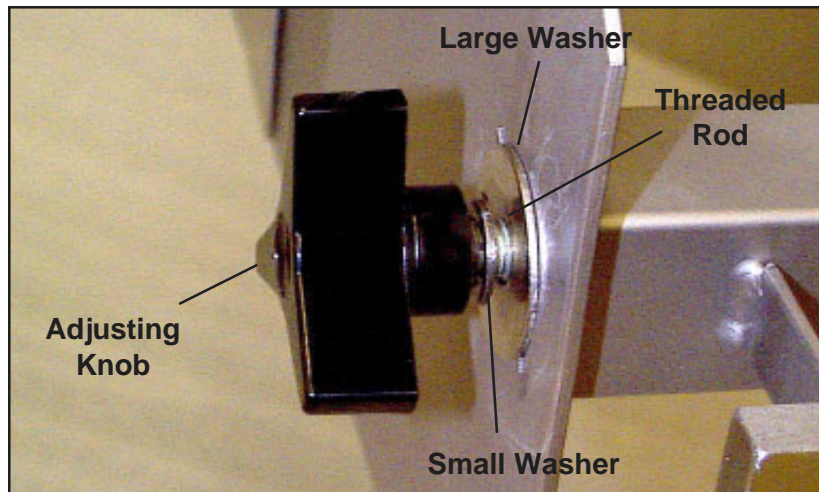


Figure 27. Top Panel Adjusting Knob and Washers

### Installation

1. Place the large washer on the threaded rod (Figure 27).
2. Place the small washer on the rod.
3. Place the knob on the rod and turn clockwise until tight.

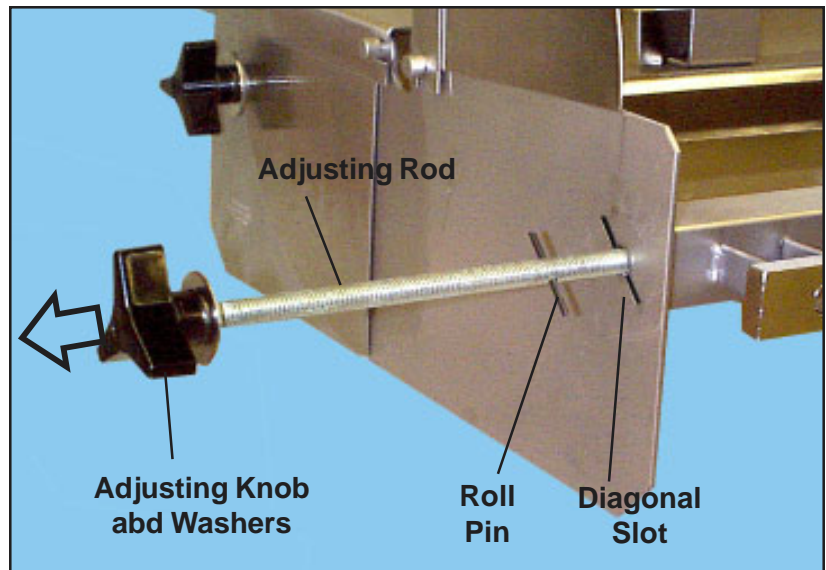
## Top Panel Adjusting Rod

P/N 754643 - 46 in.

P/N 750213 - 58 in.

### Removal

1. Unscrew either adjusting knob on the rod you are replacing (Figure 23).
2. Remove the small and large washers from the end of the rod (Figure 27).
3. Grasp the adjusting knob on the opposite end of the rod, and pull the rod out of the table frame (Figure 28).  
**Note:** If necessary, turn the rod slightly so that the roll pin in the rod fits through the diagonal slot in the frame hole.



**Figure 28. Removing the Adjusting Rod**

### Installation

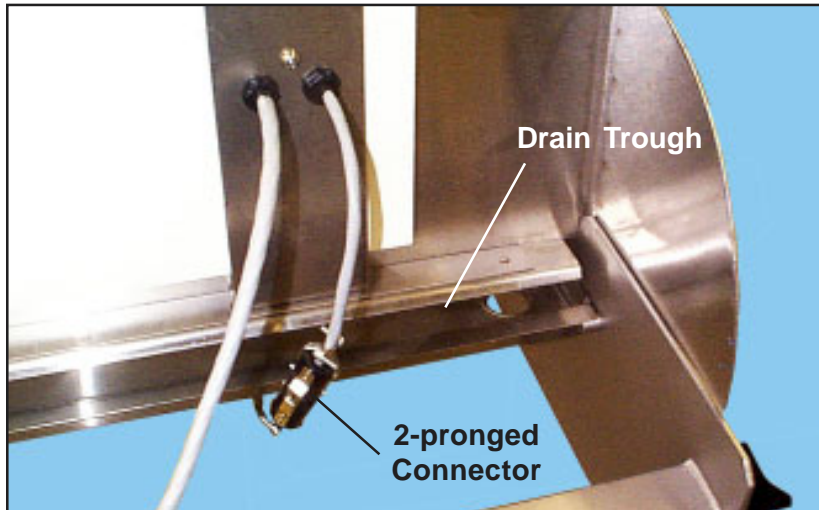
1. Mount a large washer, small washer, and adjusting knob on one end of the new adjusting rod.
2. Slide the empty end of the adjusting rod into the table frame (Figure 28). Turn the rod as necessary to fit the roll pin through the diagonal slot. **Note:** It would be helpful to have a second person guiding the end of the rod into the hole at the other end of the frame using a small screwdriver or similar tool.
3. After the end of the rod comes out of the frame at the other end, put on the large washer first, then the small washer.
4. Secure the rod in place by screwing on the remaining adjusting knob.

## Drain Trough

P/N 212640 - 46 in.  
P/N 200404 - 58 in.

### Removal

1. Loosen both adjusting knobs for one of the top panels (Figure 23).
2. Pivot the panel up to 90° (Figure 24).
3. Heated Units ONLY: Disconnect the 2-pronged connector under the panels (Figure 29). **Note:** Squeeze the latches inward and pull the plugs apart.
4. Lift the old drain trough out.



**Figure 29. Drain Trough in Place**

### Installation

1. Place the new drain trough into the table frame with the flanged sides of the trough over the supporting studs in the frame (Figure 29). Make sure the drain hole is on the side of the table *away* from the tilt lock handle.
2. Heated Units ONLY: Reconnect the 2-pronged connector under the top panel.
3. Pivot the top panels down.

## Procedures - Heated Table Tops Only

This section covers removal and installation of those parts found *only* on heated table tops. The procedures are identical for 46 in. and 58 in. models. For those procedures that pertain to parts common to *both* heated and unheated tops, refer to *Pages 26 through 32*.

### Removing Heated Table Tops for Service (with Top panels)

This sub-section concerns the removal of *heated* table tops (including the top panels) only. This procedure would be important if, for example, you needed to perform service on the base. The procedures for unheated tops is simpler and is covered in the section under *Removing Unheated Table Tops for Service* on *Page 26*.

#### Tool Required

- 1/2 in. wrench

**CAUTION:** Removing and installing the V-style table top is not difficult. However, the table top is heavy and we recommend that these procedures be done by at least two people. Follow the instructions carefully to prevent injury to yourself or damage to the table top.

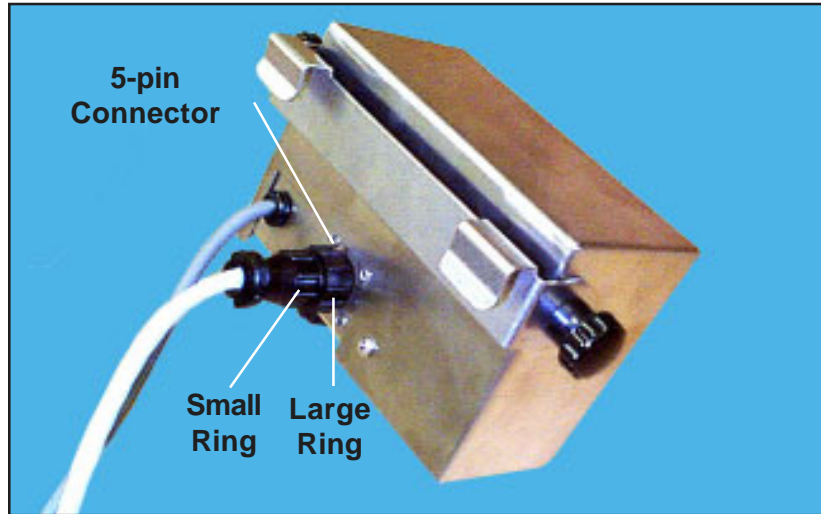
#### Removal

1. Unplug the electric power cord.
2. Turn the *large* ring on the 5-pin connector counter clockwise and pull the cable from the connector on the rear of the heat controller (Figure 30).

**WARNING:** To tighten or loosen the 5-pin connector, **ALWAYS** turn the large ring (Figure 30). **NEVER** turn the small ring. Trying to turn the small ring can tear the pins out of the connector.

3. Remove the heat controller from the tie-down rail and place it in a safe location.

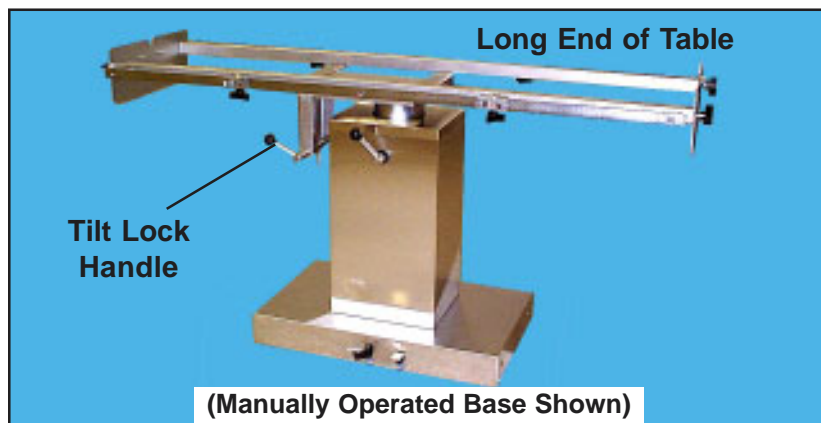
4. With a 1/2 in. wrench, remove the four screws and eight washers that hold the table top to the base mounting bracket (Figure 22). **Note:** There are two washers on each screw.
5. Carefully lift the table top off the base.



**Figure 30. The 5-pin Connector on the Heat Controller**

### Installation

1. Place the table top on the mounting bracket of your base (Figure 31). **Note:** The holes in the top frame are off-center. Position the frame so that the longer end of the frame is on the opposite side of the base from the tilt lock handle.
2. Align the table frame on the base so that the mounting holes in the frame line up with the mounting holes on the base bracket.



**Figure 31. Table Top Frame Mounted on Base**

3. Place two flat washers on each of the four mounting screws.
4. Secure the top frame to the base with the four screws/washers (Figure 6).
5. Making sure that the pins and holes line up correctly, plug the 5-pin plug into the socket in the back of the heat controller and secure the connection by turning the large ring clockwise (Figure 30).
6. Hang the heat controller onto the tie-down rail.
7. Plug in the electric power cord.

## Heated Top Panels

P/N 212649-01 - 46 in.,  
2-Cable

P/N 212653-01 - 46 in.,  
1-Cable

P/N 211866-01 - 58 in.,  
2-Cable

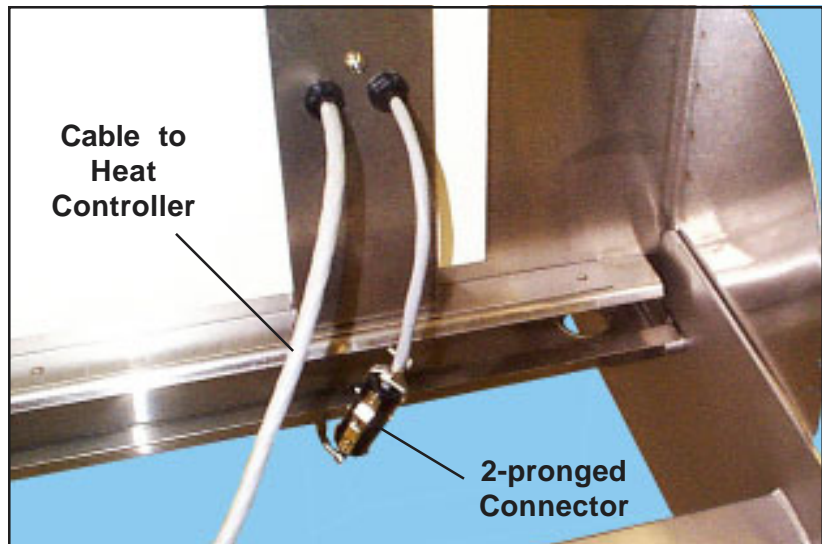
P/N 211867-01 - 58 in.,  
1-Cable

This procedure guides you in removing and replacing the top panels from a heated table top.

### Removal

1. Loosen all four top panel adjusting knobs (turn the knobs counterclockwise)(Figure 23).
2. Pivot both top panels up to a 90° angle (Figure 24).
3. Disconnect the 2-pronged connector under the panels (Figure 32). **Note:** Squeeze the latches inward and pull the plugs apart.
4. Turn the *large* ring on the 5-pin connector counter clockwise and pull the cable from the connector on the rear of the heat controller (Figure 30).

**WARNING:** To tighten or loosen the 5-pin connector, ALWAYS turn the large ring (Figure 30). NEVER turn the small ring. Trying to turn the small ring can tear the pins out of the connector.



**Figure 32. 2-Pronged Connector**

5. Lift up on one panel and remove it from the table.
6. Remove the second top panel the same way.

### **Installation**

1. Make sure that all four adjusting knobs are loose.
2. Drop one of the top panels in place on the table at a 90° angle (Figure 24). The small notches on the end pieces fit over the mounting studs on each end. Make sure that the fan-shaped metal panel fits *under* the large washers behind both knobs.
3. Drop the second panel in place the same way.
4. Making sure that the pins and holes line up correctly, plug the 5-pin plug into the socket in the back of the heat controller and secure the connection by turning the large ring clockwise (Figure 30).
5. Reconnect the 2-pronged connector under the top panel.
6. Pivot the top panels down to their normal position and tighten all four adjusting knobs.

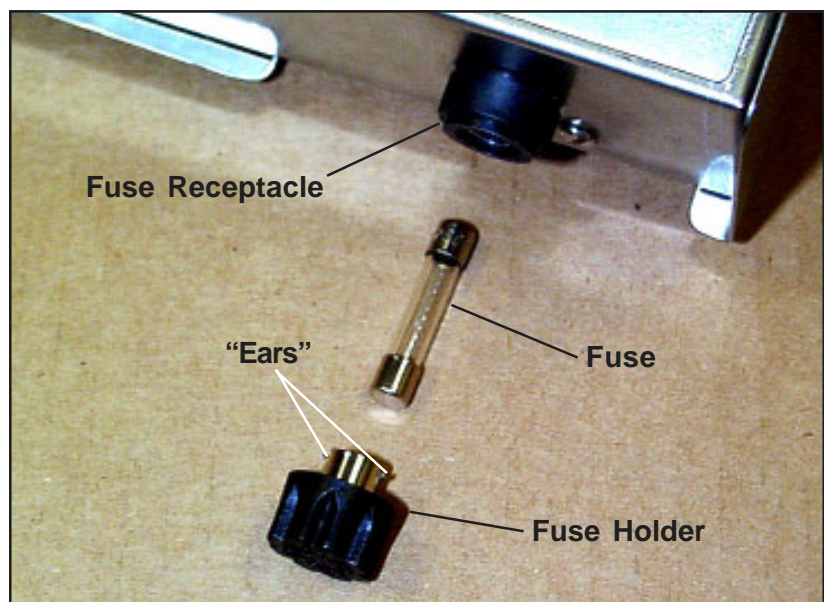


**Fuse**  
**P/N 853848**

The heat controller is protected by a single 2 amp, fast-acting fuse (Figure 21). This fuse is a common type and can be ordered from SSCI, however, it will be faster and more economical to obtain one at your local hardware store.

**Removal**

1. Unplug the electric power cord.
2. Rotate the grooved fuse holder counterclockwise until it releases (about 1/4 turn) and pull it out of the fuse receptacle (Figure 33).
3. Pull the fuse out of the fuse holder.



**Figure 33. Fuse Assembly**

**Inspection**

Look carefully at the fuse. Notice the thin wire visible inside the glass section of the fuse. If this wire is intact, the fuse is probably OK. If it is burned or broken, the fuse has blown and must be replaced. The heat controller will not operate if the fuse is blown or missing.

**Installation**

1. Press either end of the new fuse into the fuse holder (Figure 33).

2. Notice the two tiny “ears” on the fuse holder and the two matching gaps on the inside of the fuse receptacle.
3. Insert the fuse and holder into the fuse receptacle so that the “ears” on the fuse holder enter the gaps in the receptacle.
4. Press the fuse holder fully into the receptacle and rotate it clockwise until it seats (about 1/4 turn).
5. Plug in the electric power cord.

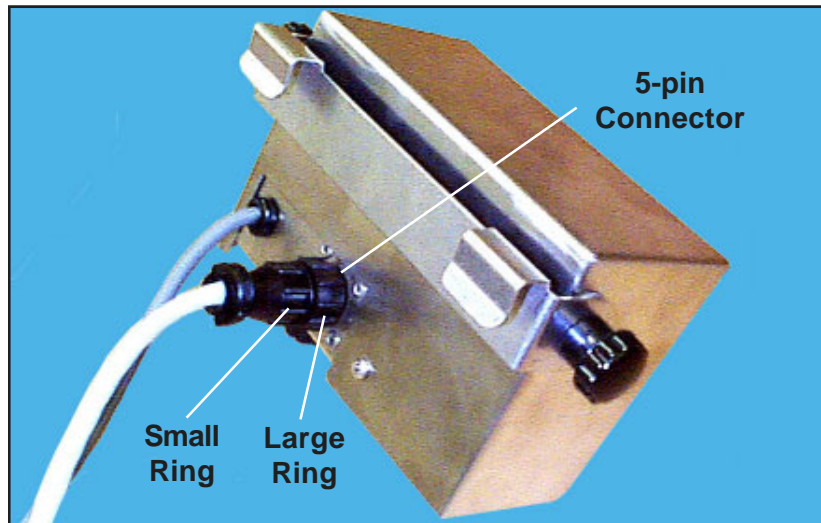
**Heat Controller  
(Complete)  
P/N 208416**

If necessary, the entire heat controller unit can be replaced.

**Removal**

1. Unplug the electric power cord.
2. Remove the heat controller from the tie-down rail.
3. Turn the *large* ring on the 5-pin connector counter clockwise and pull the cable from the connector on the rear of the heat controller (Figure 34).

**WARNING:** To tighten or loosen the 5-pin connector, **ALWAYS** turn the large ring (Figure 34). **NEVER** turn the small ring. Trying to turn the small ring can tear the pins out of the connector.



**Figure 34. The 5-pin Connector to the Temperature Controller**

### Installation

1. Making sure that the pins and holes line up correctly, plug the 5-pin plug into the socket in the back of the heat controller and secure the connection by turning the large ring clockwise (Figure 34).
2. Hang the new heat controller on the tie-down rail.
3. Plug in the electric power cord.

### Disassembly and Assembly of the Heat Controller

To replace components inside the heat controller you will have to disassemble, and then reassemble the unit. The following steps guide you in performing these procedures.

#### Tool Required

- Small Phillips screwdriver

#### Disassembly

1. Remove the heat controller. Refer to *Heat Controller (Complete) - Removal* on Page 38, Steps 1 through 3.

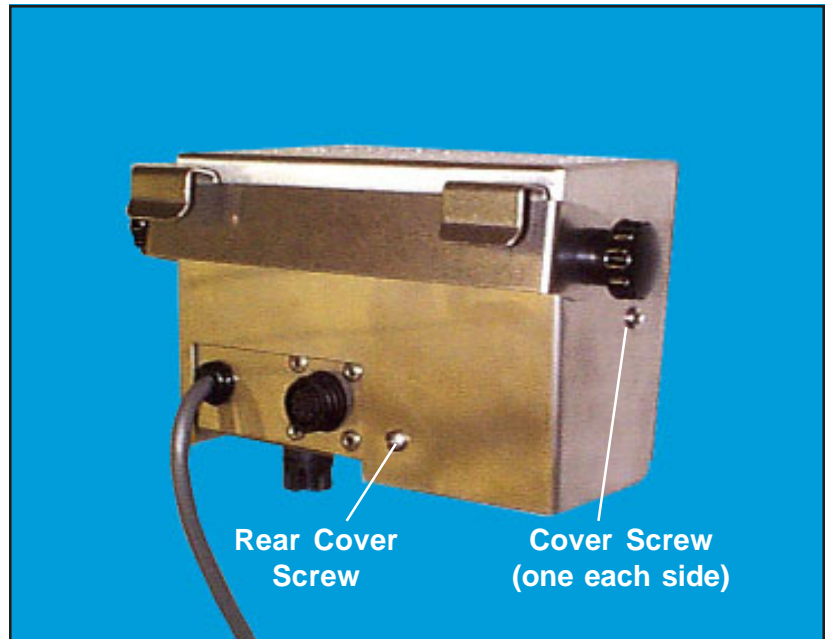


Figure 35. Cover Screws

**CAUTION:** In the next two steps you will remove the cover from the heat controller and expose electrical components inside the unit. Use caution around the electric wiring and components to prevent injury to yourself and/or damage to the equipment.

2. With a small Phillips screwdriver, remove the three cover screws (Figure 35). There is one screw on each side of the controller, and one on the rear.
3. Remove the cover from the heat controller.

#### **Assembly**

1. Place the cover on the heat controller so that the three cover screw holes in the cover line up with the respective holes in the chassis frame.
2. Secure the cover with the three cover screws (Figure 35).
3. Refer to *Heat Controller (Complete) - Installation* on Page 39, Steps 1 through 3.

### **Temperature Control Knob**

**P/N 853461**

#### **Tool Required**

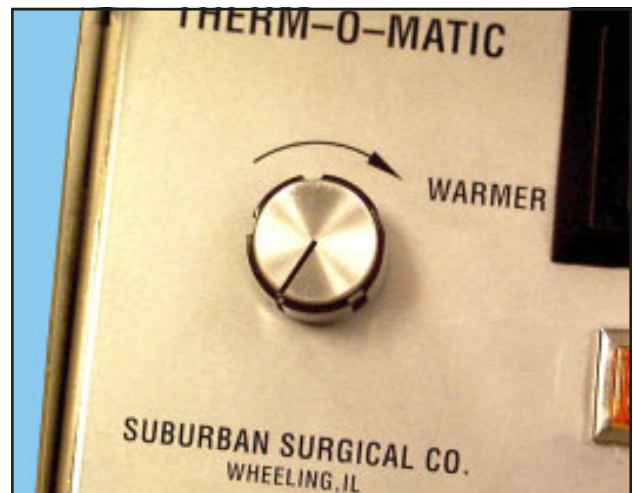
- Small, flat-blade screwdriver

#### **Removal**

1. Rotate the knob fully counterclockwise (Figure 36).
2. With a small, flat-blade screwdriver, loosen the setscrew in the knob.
3. Pull the knob off the shaft.



**Figure 36. Temperature Control Knob Setscrew**



**Figure 37. Temperature Control Knob Oriented to Seven-O-Clock Position**

### Installation

1. Make sure the shaft is turned fully counterclockwise.
2. Place the knob on the shaft with the indicator line on the face of the knob pointing to approximately the seven-o'clock position (Figure 37).
3. Tighten the setscrew (Figure 36).

### Temperature Control Assembly P/N 853844

### Tools Required

- Small Phillips screwdriver
- Small, flat-blade screwdriver
- 1/2 in. wrench

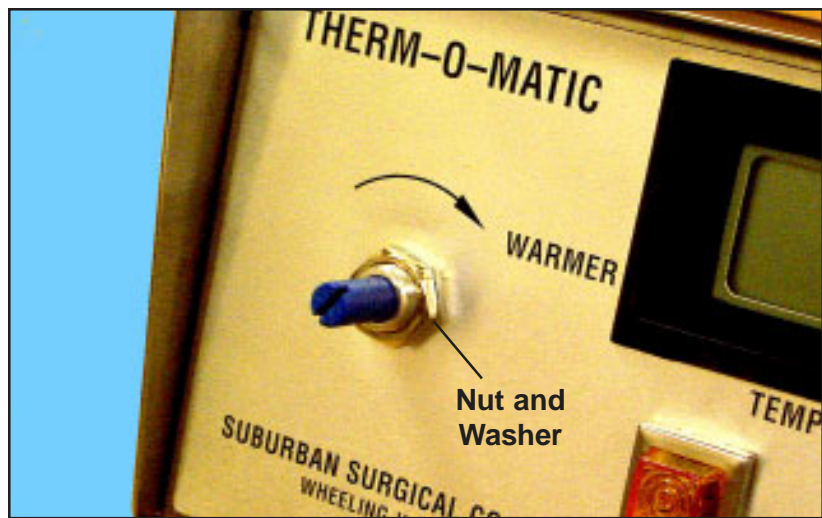
### Removal

1. Remove the heat controller from the table top. Refer to *Heat Controller (Complete) - Removal, Steps 1 through 3, on Page 38.*
2. Remove the cover from the heat controller. Refer to *Disassembly and Assembly of the Heat Controller - Disassembly, Steps 1 through 3, starting on Page 39.*
3. Remove the temperature control knob. Refer to *Temperature Control Knob - Removal, Steps 1 through 3, on Page 40.*

In the next seven steps you will pull the wire connectors off the terminals on the rear of the temperature control assembly (Figure 39). **Note:** Terminal numbers are molded onto the rear face of the assembly next to the respective terminals.

**Note:** Terminal **3** is not used.

4. Pull the connector (one green and one white wire) from Terminal **4**.
5. Pull the connector (one gray wire and two red wires) from Terminal **5**.
6. Pull the connector (one green wire) from Terminal **6**.
7. Pull the connector (two brown wires) from Terminal **7**.
8. Pull the connector (four small gray wires - ribbon cable) from Terminal **P1**.
9. With a small screwdriver, pry the connector (one white wire) from Terminal **2**.
10. With a small screwdriver, pry the connector (one black wire) from Terminal **1**.
11. With a 1/2 in. wrench, remove the nut and washer from the shaft on the front of the heat controller (Figure 38).
12. Pull the temperature control assembly out of the rear of the heat controller.



**Figure 38. Heat Controller Nut and Washer**

## Installation

1. Place the new temperature control assembly into the heat controller. The shaft should go through the front of the controller, and the chassis should be oriented as shown in Figure 39.
2. Secure the chassis in place by mounting the washer and nut to the shaft in front of the controller (Figure 38).
3. Replace the connector (one black wire) to Terminal 1 (Figure 39).
4. Replace the connector (one white wire) to Terminal 2.
5. Replace the connector (four gray wires - ribbon cable) to Terminal P1. **Note:** The wire with the red markings should go toward the top.

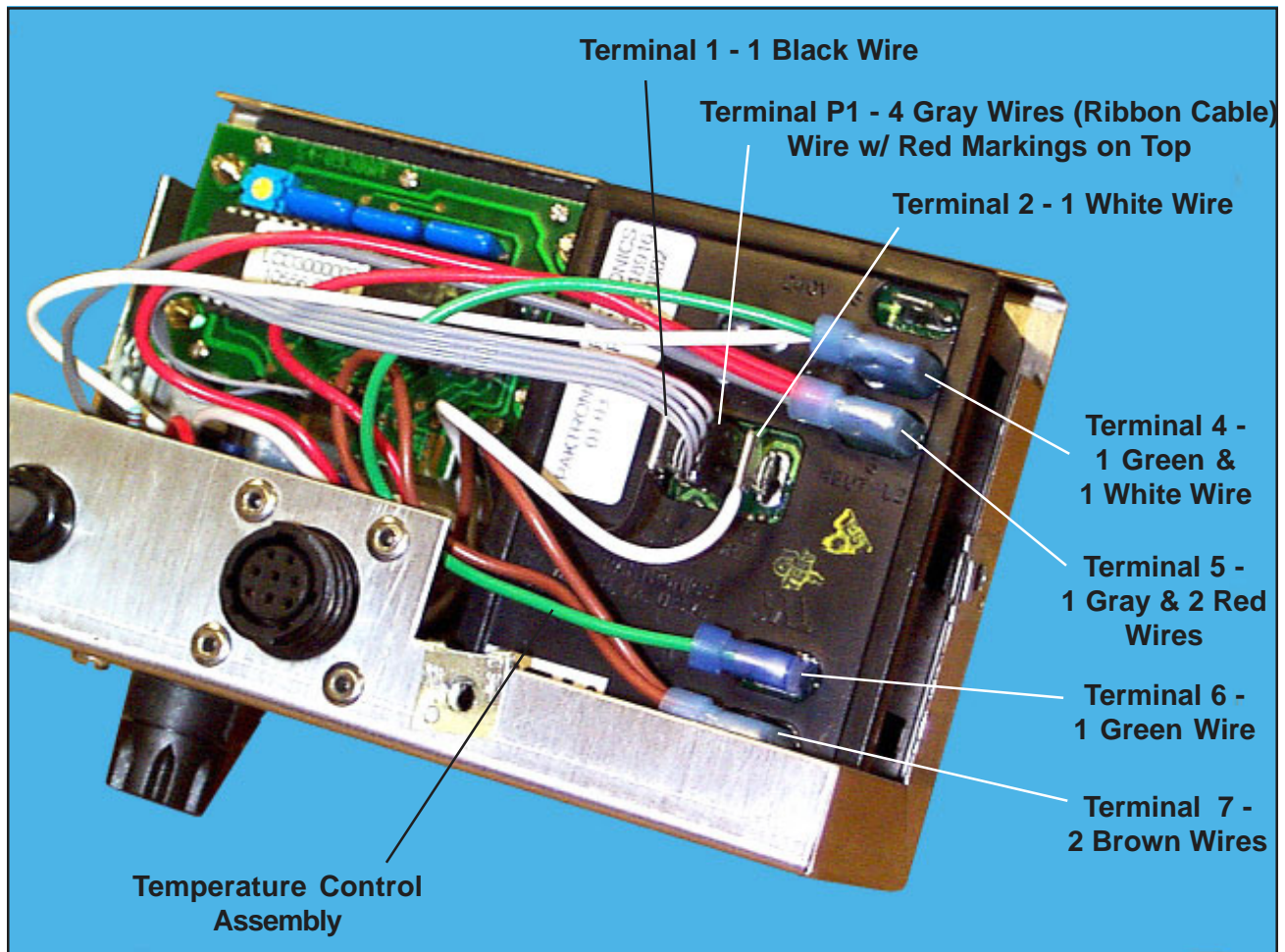


Figure 39. Wire Attachment Points on Temperature Control Assembly

6. Replace the connector (two brown wires) to Terminal **7**.
7. Replace the connector (one green wire) to Terminal **6**.
8. Replace the connector (one gray wire and two red wires) to Terminal **5**.
9. Replace the connector (one green and one white wire) to Terminal **4**.
10. Install the temperature control knob. Refer to *Temperature Control Knob - Installation, Steps 1 through 3*, on *Page 41*.
11. Replace the cover onto the heat controller. Refer to *Disassembly and Assembly of the Heat Controller - Assembly, Steps 1 through 3* on *Page 40*.
12. Mount the heat controller on the table top. Refer to *Heat Controller (Complete) - Installation, Steps 1 through 3*, on *Page 39*.

**Heat Indicator Light**  
**P/N 853454**

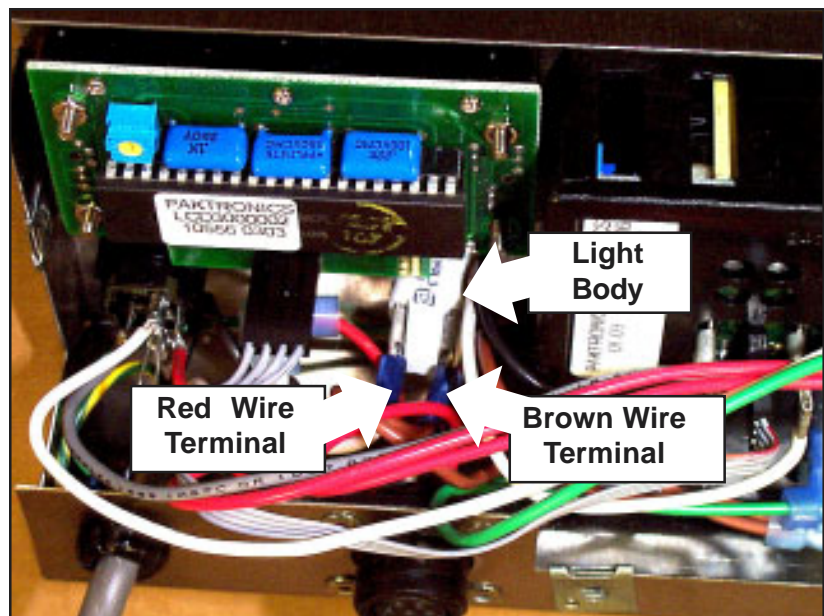
**Tool Required**

- Needle-nose pliers

**Removal**

1. Remove the heat controller from the table top. Refer to *Heat Controller (Complete) - Removal, Steps 1 through 3*, on *Page 38*.
2. Remove the cover from the heat controller. Refer to *Disassembly and Assembly of the Heat Controller - Disassembly, Steps 1 through 3*, starting on *Page 39*.
3. Pull the connector on the brown wire off the indicator light terminal (Figure 40).
4. Pull the connector on the red wire off the indicator light terminal.
5. Notice that on the white indicator light body, just behind the faceplate, there are two raised spots on opposite sides of the body. With a needle-nose pliers, press these two raised spots inward and pull the light body out through the front of the heat controller.





**Figure 40. Indicator Light Body Inside the Heat Controller**

### Installation

1. From the front of the heat controller, press the new indicator light body into its opening in the panel. Press it all the way in until it snaps in place (Figure 40).  
**Note:** Make sure the side of the body with the logo is on top.
2. Push the connector on the brown wire onto the indicator light terminal as shown in Figure 40.
3. Push the connector on the red wire onto the indicator light terminal as shown in Figure 40.
4. Replace the cover onto the heat controller. Refer to *Disassembly and Assembly of the Heat Controller - Assembly, Steps 1 through 3, starting on Page 40.*
5. Mount the heat controller on the table top. Refer to *Heat Controller (Complete) - Installation, Steps 1 through 3, on Page 39.*

## Cord, Heat Controller to Table Top P/N 211924

### Tools and Supplies Required

- 3/8 in. open-end wrench
- Phillips screwdriver
- Flat-blade screwdriver
- Pliers
- Wire cutter
- Wire crimping tool
- Two 22/18 ga butt-splice wire connectors
- Two 16/14 ga butt-splice wire connectors
- Silicon sealant and gun

### Removal

1. Locate the top panel to which the heat controller cord is connected.
2. Remove that top panel. Refer to *Heated Top Panels - Removal, Steps 1 through 5* starting on *Page 35*.  
**Note:** It is not necessary to remove the other top panel.
3. Turn the top panel over so the underside is facing up.
4. The support board is secured to the table with three metal straps (Figure 41). Locate the strap with the cables and, with a Phillips screwdriver, remove the edge screw that holds this strap to the top panel. **Note:** DO NOT remove any the screws in the other straps.
5. Remove the support board screw (Figure 42) from the strap.

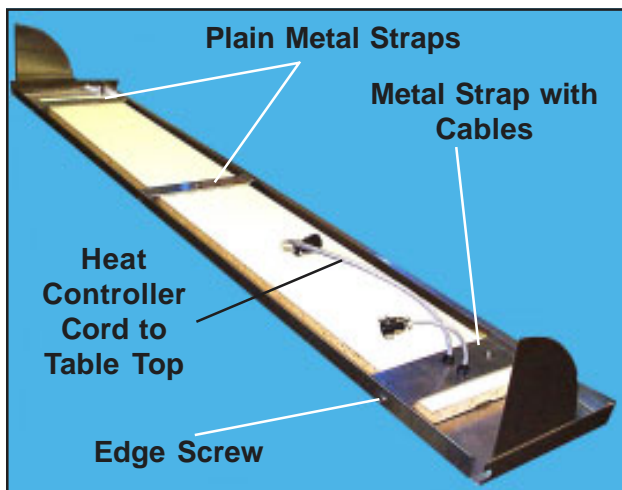


Figure 41. Removing Support Board from Top Panel

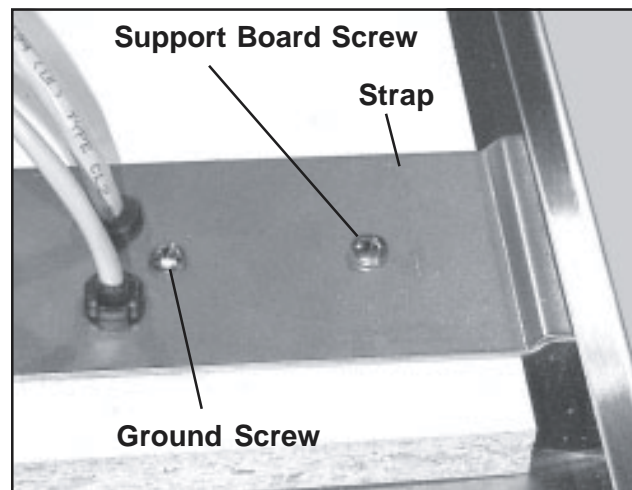
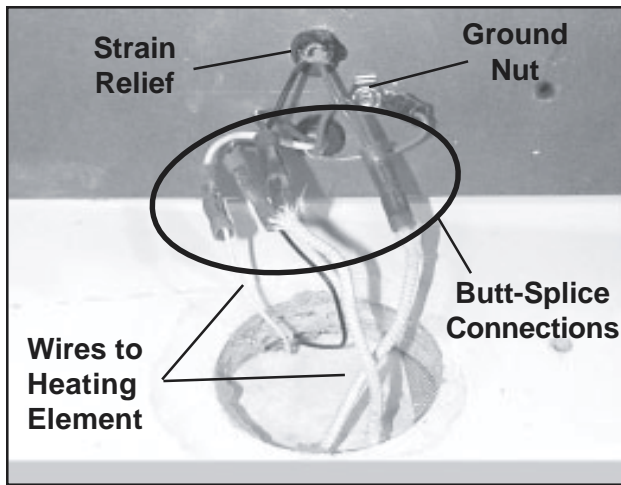
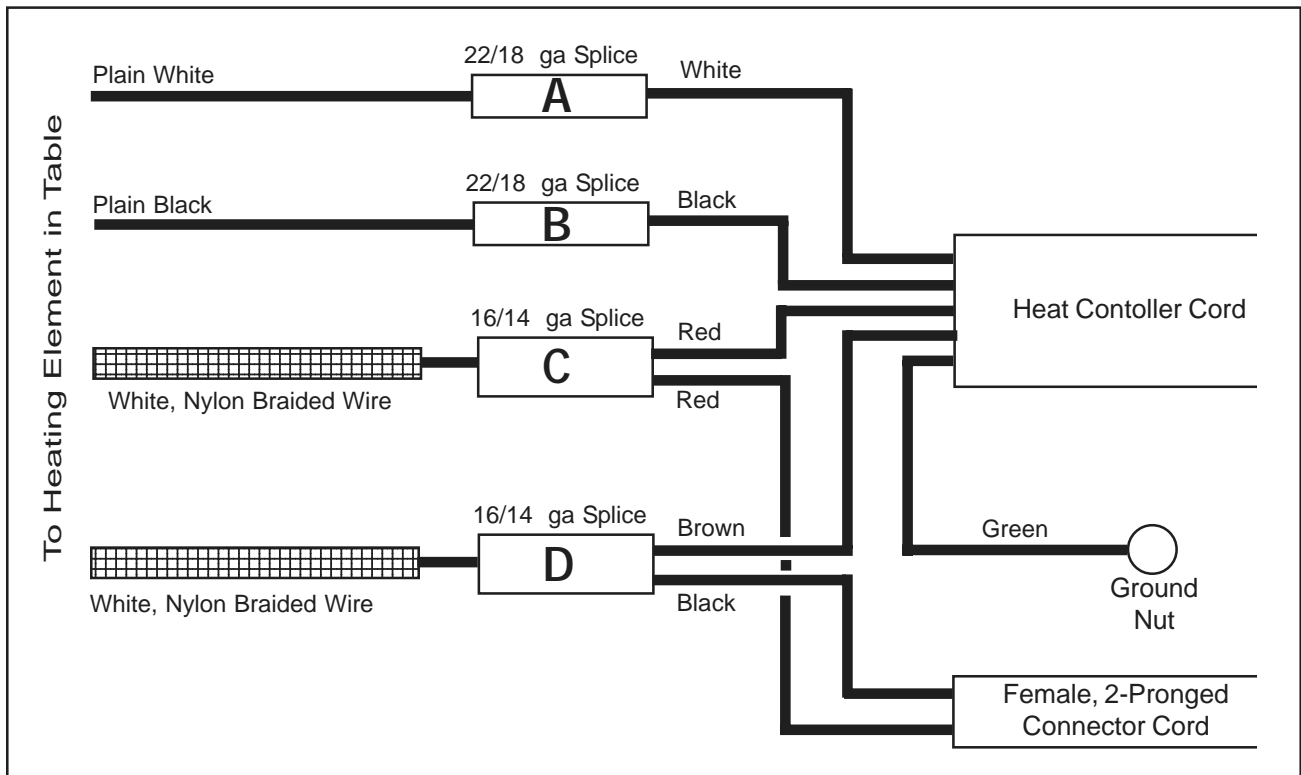


Figure 42. Support Board Screw and Ground Screw



**Figure 43. Wire Connections Under Strap**

6. Disengage the end of the strap, and pivot the strap up to access the connections underneath (Figures 43 and 44). If the strap is sealed to the board with silicon, use a flat-blade screwdriver to pry them apart.
7. Cut both plain, white wires as close to their butt-splice (**A** in Figure 44) as possible and discard the old splice.
8. Cut both plain, black wires as close to their butt-splice (**B**) as possible and discard the old splice.
9. Cut the two red wires and the white Nylon braided wire as close to their butt-splice (**C**) as possible and discard the old splice.
10. Cut the br wn and black wires and the white Nylon braided wire as close to their butt-splice (**D**) as possible and discard the old splice.



**Figure 44. Wiring Diagram - Heat Controller Cord to Table and Female 2-Pronged Connector Cord**

11. With a 3/8 in. wrench and Phillips screwdriver, remove the ground wire nut, screw, and washers from the bracket (Figures 42 and 43).

The old heat controller cord wires and associated butt-splices should now be completely disconnected from the table wiring.

12. With a pliers, squeeze the moveable segment of the strain relief fitting inward, and pull the fitting and cord out of the strap (Figure 43).
13. Remove the strain relief fitting from the cord.

### Installation

1. Place the strain relief fitting on the new heat controller cord as close to the end of the cable as possible. The retainer and the moveable segment should be toward the plate.  
**Note:** Room inside the wire connection opening is limited and you want as little of the actual cable in there as possible.
2. Feed the five heat controller cord wires through the hole in the strap.
3. Squeeze the moveable segment of the relief fitting inward, and slip the fitting through the hole in the strap until it snaps into place.
4. Connect the two white wires (**A**) with a new 22/18 ga butt-splice and crimp securely (Figure 44).
5. Connect the black wire from the table to the black wire from the new heat controller cord (**B**) with a new 22/18 ga butt-splice and crimp securely.
6. Connect the red wire from the new heat controller cord, and the red wire from the 2-pronged connector cord (**C**) to a white Nylon braided wires (either one) with a new 16/14 ga butt-splice and crimp securely.
7. Connect the brown wire from the heat controller cord and the black wire from the 2-pronged connector cord (**D**) to the remaining white Nylon braided wire with a new 16/14 ga butt-splice and crimp securely.

8. Replace the ground screw and washers into the hole in the strap, and mount the green wire from the heat controller onto the screw with the nut (Figures 42 and 43).

**CAUTION: When replacing the strap onto the support board, make sure you do not trap or pinch any wires between the board and the panel surface.**

9. To protect the connections against moisture, coat the area around the wire connection hole with a generous application of silicon sealant.
10. Engage the end of the strap into the table frame and, making sure that no wires are trapped underneath, press the strap down onto the board.
11. Fasten the strap to the support board with the screw removed earlier (Figure 42).
12. Fasten the end of the strap to the board with the edge screw removed earlier (Figure 41).
13. Mount the top panel to the table top and hook up the heat controller. Refer to *Heated Top Panels - Installation, Steps 1 through 6*, starting on *Page 37*.
14. Turn on the heat controller and apply heat to the table top and make sure the table warms up properly.

## Female, 2-Pronged Connector and Cord

P/N 211925

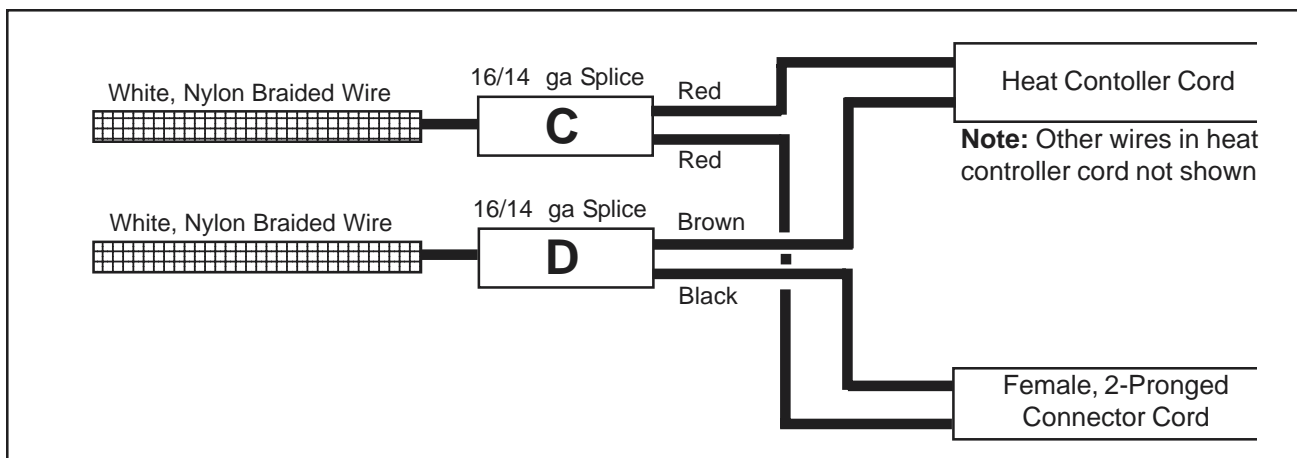
If the female, 2-pronged connector is defective, both the connector, and the cord to which it is attached must be replaced.

### Tools and Supplies Required

- 3/8 in. open-end wrench
- Phillips screwdriver
- Flat-blade screwdriver
- Pliers
- Wire cutter
- Wire crimping tool
- Two 16/14 ga butt-splice wire connectors
- Silicon sealant and gun

### Removal

1. Locate the top panel which has *two* cables attached.
2. Remove that top panel. Refer to *Heated Top Panels - Removal, Steps 1 through 5* starting on *Page 35*.  
**Note:** It is not necessary to remove the other top panel.
3. Access the wire connections under the support board. Refer to *Cord, Heat Controller to Table Top - Removal, Steps 3 through 6* starting on *Page 46*.
4. Cut the two red wires and the white Nylon braided wire as close to their butt-splice (**C** in Figure 45) as possible and discard the old splice.



**Figure 45. Wiring Diagram - Heat Controller Cord to Female 2-Pronged Connector Cord**

5. Cut the brown and black wires and the white Nylon braided wire as close to their butt-splice (**D**) as possible and discard the old splice.
6. With a pliers, squeeze the moveable segment of the strain relief fitting inward, and pull the fitting and cord out of the strap (Figure 47).
7. Remove the strain relief fitting from the cord.

### Installation

1. Place the strain relief fitting on the new cord as close to the end of the cable as possible. The retainer and the moveable segment should be toward the strap. **Note:** Room inside the wire connection opening is limited and you want as little of the actual cable in there as possible.
2. Feed the cord wires through the hole in the strap.
3. Squeeze the moveable segment of the fitting inward, and slip the fitting through the hole in the strap until it snaps into place.
6. Connect the red wire from the heat controller cord, and the red wire from the new 2-pronged connector cord (**C** in Figure 47) to a white Nylon braided wires (either one) with a new 16/14 ga butt-splice and crimp securely.
7. Connect the brown wire from the heat controller cord and the black wire from the 2-pronged connector cord (**D**) to the remaining white Nylon braided wire with a new 16/14 ga butt-splice and crimp securely.
8. Place all the wires and butt-splices into the hole in the support board as neatly as possible.

**CAUTION:** When mounting the support board, make sure you do not trap or pinch any wires between the board and the panel surface.

9. Reassemble the top panel. Refer to *Cord, Heat Controller to Table Top - Installation, Steps 9 through 14* starting on Page 49.

## Male, 2-Pronged Connector and Cord

P/N 211926

If the male, 2-pronged connector is defective, both the connector, and the cord to which it is attached must be replaced.

### Tools and Supplies Required

- 3/8 in. open-end wrench
- Phillips screwdriver
- Flat-blade screwdriver
- Pliers
- Wire cutter
- Wire crimping tool
- Two 16/14 ga butt-splice wire connectors
- Silicon sealant and gun

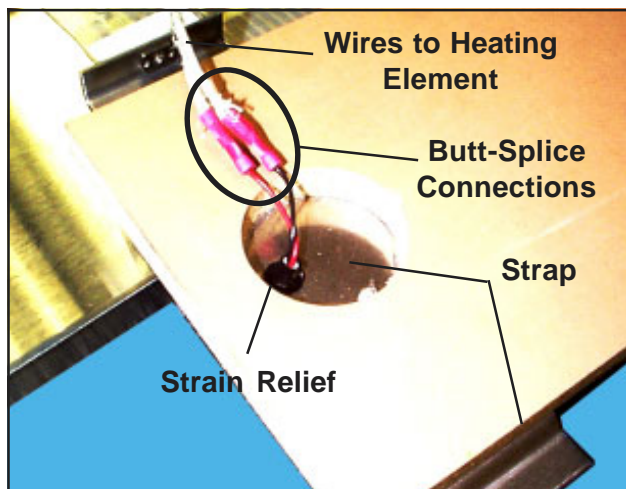
### Removal

1. Locate the top panel which has only *one* cable attached.
2. Remove that top panel. Refer to *Heated Top Panels - Removal, Steps 1 through 5* starting on *Page 35*.

**Note:** It is not necessary to remove the other top panel.

**Note:** The support board on this top panel is removed in the same way as the support board from the two cable top panel.

3. Access the wire connections under the support board. Refer to *Cord, Heat Controller to Table Top - Removal, Steps 3 through 6* starting on *Page 46*.

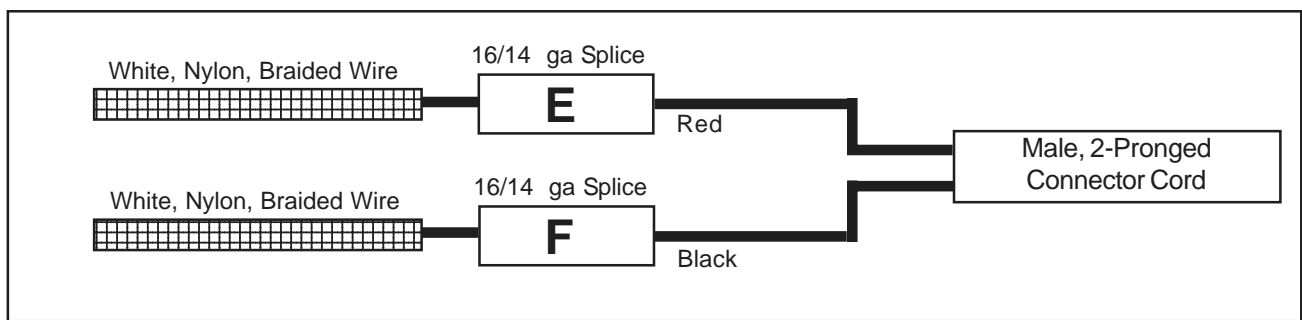


**Figure 46. Wire Connections in Support Board**

**Note:** One black wire and one red wire lead out of the male, 2-pronged connector cord (Figures 47 and 48).

4. Cut both black wires as close to their butt-splice (**E** in Figure 47) as possible and discard the old splice.
5. Cut both red wires as close to their butt-splice (**F**) as possible and discard the old splice.





**Figure 47. Wiring Diagram - Heat Controller Cord to Female 2-Pronged Connector Cord**

6. With a pliers, squeeze the moveable segment of the strain relief fitting, and pull the fitting and cord out of the strap.
7. Remove the strain relief fitting from the cord.

### Installation

1. Place the strain relief fitting on the new cord as close to the end of the cable as possible. **Note:** Room inside the wire connection opening is limited and you want as little of the actual cable in there as possible.
2. Feed the cord wires through the hole in the strap.
3. Squeeze the moveable segment of the fitting inward, and slip the fitting through the hole in the strap until it snaps into place.
4. Connect the two black wires (**E**) with a new 16/14 ga butt-splice and crimp securely (Figure 47).
5. Connect the two red wires (**F**) with a new 16/14 ga butt-splice and crimp securely (Figure 47).
6. Place all the wires and butt-splices into the hole in the support board as neatly as possible.

**CAUTION:** When mounting the support board, make sure you do not trap or pinch any wires between the board and the panel surface.

7. Reassemble the top panel. Refer to *Cord, Heat Controller to Table Top - Installation, Steps 9 through 14* starting on Page 49.



# Chapter 5 - Troubleshooting

## General

The following procedures will help you fix most of the problems that you might encounter with the V-Style Table Tops. If necessary, please feel free to call SSCI Customer Service at (800) 323-7366. Our experienced personnel will be glad to help you.

For more information on contacting SSCI., refer to *Contact Information on Page 5*.

Part numbers for available replacement parts are shown in the table on *Page 25*. To order replacement parts, refer to *Parts Ordering Procedure on Page 26*.

## Problems

Possible problems are listed below along with their page references:

- The ON/OFF button light does not come on. ----- *Page 57*
- The ON/Off button light is on, but there is no heat to the table, or heat cannot be adjusted, or heat is erratic. ----- *Page 58*
- One top panel heats up but the other does not. ----- *Page 59*

## Returning the Table Top for Repairs

### RMA Numbers

If your table top should require return to SSCI for repairs, discuss the problem with one of our Customer Service Representatives. Obtain an RMA number (Return Merchandise Authorization) from him before shipping the unit back. **Note:** Merchandise returned without an RMA number will not be accepted.

### Packing and Shipment

If you were able to keep the table top shipping carton and pallet, repack the top into the carton, staple or tape the cover securely in place, and band the carton to the pallet.

If the shipping carton is not available, it is possible to ship the table top back without a carton. The table top must, however, be shipped on a pallet. Table tops not shipped on pallets will not be accepted by SSCI due to the greater likelihood of damage. In any case, such shipments would probably not be accepted by the shipping company.

Ship documentation with the table top including:

- Destination
- RMA Number
- Your name, company and address
- Your telephone number
- A description of the reason for returning the table top

## The ON/OFF button light does not come on.

### Remedial Action

**First:** Make sure the electric power cord is plugged in.

**Second:** Make sure that you have power to the outlet you are using. Try plugging another device into the outlet and see if the device works.

**Third:** Check the electric power cord for damage. If the cord is damaged, the heat controller will have to be returned to SSCI for repairs. Refer to *Returning the Table Top for Repairs* on Page 55.

**Fourth:** If the plug and cord both appear to be OK, the temperature control assembly in the heat controller is probably defective. For a replacement temperature control assembly, order P/N 853844. To replace a temperature control assembly, refer to Page 41.

**Fifth:** Try pressing the ON/OFF button several times to see if that brings the light on.

**Sixth:** Check the heat controller fuse - refer to Page 37, and replace the fuse if it is blown.

**Seventh:** If the power cord seems to be OK, the light assembly itself or the heat controller is probably defective. The light assembly is not a field-replaceable item. To replace the heat controller or to return the heat controller for repair, call SSCI. For a replacement heat controller, order P/N 208416. Refer to *Returning the Table Top for Repairs* on Page 55. To replace a heat controller, refer to Page 38.

**Eighth:** The temperature control knob may be slipping on its shaft. Refer to *Temperature Control Knob* on Page 40. Follow the instructions to remove and reinstall the knob to make sure it is tight, and correctly positioned on the shaft.

## The ON/OFF Light is on, but there is no heat to the table, or heat cannot be adjusted, or heat is erratic.

### Remedial Action

**First:** Is the light in the ON/OFF switch on?

If it is on, go to the **Fifth** procedure below.

If the light is not on, try pressing the ON/OFF button several times to see if the light comes on. If the light does not come on, go to the **Second** procedure below.

**Second:** Make sure the electric power cord is plugged in.

**Third:** Make sure that you have power to the outlet you are using. Try plugging another device into the outlet, turn it on, and see if it works.

**Fourth:** Check the heat controller fuse - refer to *Page 37*, and replace the fuse if it is blown.

**Fifth:** Check the position of the temperature control knob. If it is turned fully counterclockwise, the temperature controller is not calling for heat. Try rotating the knob fully clockwise and see if that causes the table top to heat up. Refer to *Temperature Control Knob* on *Page 20*.

**Sixth:** The temperature control knob may be slipping on its shaft. Refer to *Temperature Control Knob* on *Page 40*. Follow the instructions to remove and reinstall the knob to make sure it is tight, and correctly positioned on the shaft.

**Seventh:** Check the 5-pin connector behind the heat controller and make sure the cable is properly connected. Refer to *Page 16, Step 4*. Rotate the large ring counterclockwise and remove the plug from the connector. Look at the pins inside the plug. If they are loose or bent, the plug has been improperly attached to the connector and has been damaged. If the plug is damaged, the cord must be replaced. For a replacement cord, order P/N 211924. To replace a heat controller-to-table cord, refer to *Page 46*.

**Eighth:** If the 5-pin connector is OK, check the cable between the heat controller and the top. Does it show any damage or wear and is it tightly connected at both ends. If the cord is damaged, it must be replaced. For a replacement cord, order P/N 211924. To replace a heat controller-to-table cord, refer to *Page 46*.

## One top panel heats up but the other does not.

### Remedial Action

**First:** If one top panel is warm but the other is not, check the 2-pronged connector in the cable between the two top panels. Make sure the two halves of the plugs are connected. Refer to *Page 13, Steps 21 and 22* to make sure they are connected properly. Also, inspect the 2 prongs in the male side of the plug to make sure they are not bent or damaged.

**Second:** Since one panel heats up, the heat controller is probably OK. Therefore, if the 2-pronged connector between the two top panels is also OK, you probably have a bad heating element in the cool top panel. Return the panel to SSCI for repairs. Refer to *Returning the Table Top for Repairs on Page 55*.

**Comments:**

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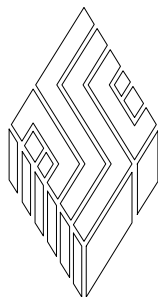
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Inside back cover

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***For more information on SSCI's fine line of products  
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