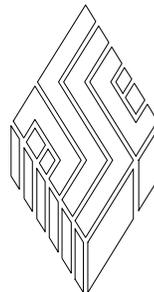




## Pedestal Tilt Table Base

- *Stainless Steel Construction - Designed to Last*
- *Tilts Table from Horizontal to Near Vertical*
- *Weighted Base for Superior Stability*
- *Adjustable Leveler Legs*

New Model Number: 18145-00-DHFLCL  
Former Model Number: 202357



# SSCI

Wheeling, IL 800 323 7366

Form No. 702720 09/04

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Wheeling, Illinois 60090, USA

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# General Information



## Introduction

SSCI's Pedestal Tilt Table Base gives you a strong, rock-solid base for your examination or operating table. It is your best choice when only table tilt motion is required, or when economy is a major factor.

A manual tilt mechanism allows you to tilt the table to any position from horizontal to near vertical. A handy lock holds the table in the desired position.

The rigid frame and twin stainless steel support brackets mount the table securely to provide maximum safety and confidence when working with your patients. The five-inch diameter, chrome-plated column assures that your table remains steady at all times.

The stainless steel covered, weighted base guarantees stability even when heavy animals are on the table, and gives you a handy footrest for greater comfort and less strain.

Four adjustable leveler legs support the entire assembly and prevent rocking.

## 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.

## Conventions Used in this Manual

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

### Notes

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

#### Example:

Place the top upside-down on a smooth, clean floor or other surface. **Note:** Place sheets or other soft materials on the floor to avoid scratching the table top.

### CAUTIONS

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

#### Example:

**CAUTION:** Unpacking and assembling the base is not difficult. However, the base is heavy and we recommend that unpacking and assembly be done by at least two people.

## Safety

**CAUTION:** The Pedestal Tilt Table Base is designed to carry weights of no more than 300-pounds (136kg).

## Available Accessories

The following accessories can be ordered from SSCI to increase the operating convenience of your Pedestal Tilt Table Base and top. Refer to your SSCI catalog for pictures and descriptions.

- Auto 300 Scale Table Top - P/N 12451-01-GZAHDH
- Black Vinyl Ribbed Mat - Refer to catalog for sizes and Part Numbers

Order these accessories from your local dealer or refer to *Page 24 for Parts Ordering Procedure.*

## 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 pedestal table base 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.

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 caps 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.**

## **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.

## **SSCI Contact Information**

SSCI Customer Service can be contacted via 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 - 1-800-323-7366

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

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

# Set-up and Assembly

## General

This section guides you in setting up the SSCI Pedestal Tilt Table Base and table top. Also, refer to the *Owner's Manual* supplied with your flat or V-style table top. If you should require additional assistance, feel free to call SSCI Customer Service at 1-800-323-7366.

## Assembly Procedures

**CAUTION:** Unpacking and assembling the pedestal base is not difficult. However, the base 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 base.

## Un-packing and 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 pedestal base while you unpack it. If any damage is noted, or if parts appear to be missing, call SSCI Customer Service. Refer to *SSCI Contact Information* on Page 9.

## Parts Included

Two items are included in the shipping carton:

- Pedestal Tilt Table Base (complete)
- Bag Assembly with four leveler caps (Figure 1)



**Figure 1. Leveler Caps**

## Tools and Supplies Required

- 7/8-in. open-end wrench
- Two 1/2-in. wrenches (at least one must be open-end)
- 9/16-in. open-end wrench
- Carpenter's level

## Set-up and Assembly Sequence

Set-up and assembly of the Pedestal Tilt Table Base and table top is very simple and consists of two basic steps:

1. Levelling the Base
2. Mounting the Table Top

## Leveling the Base

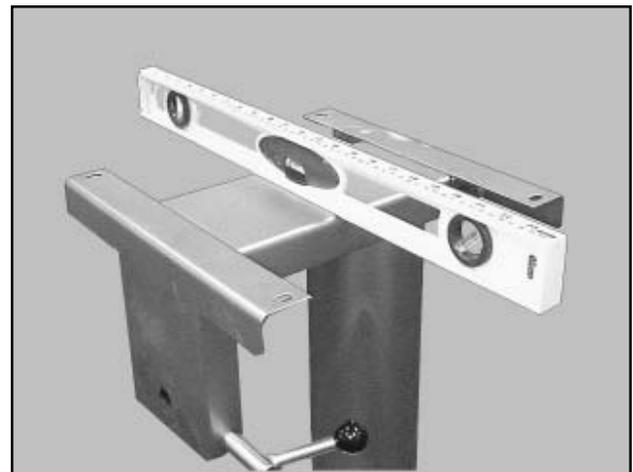
Perform the following procedure to level the table base:

**Note:** Level the table base ONLY at the location and orientation where it will be used. Due to differing floor conditions, leveling procedures carried out at one place may be totally invalid at a different location. If the table base is moved to another location, or turned to a different orientation, the leveling procedure should be redone.

1. Place a carpenter's level length-wise on the top frame and check the level of the base, right-to-left (Figure 2).
  2. Place the level cross-wise on the top frame and check the level of the base front-to-rear (Figure 3).
- If the base is level or very close, press the leveler caps onto the leveler legs, and proceed to *Mounting the Table Top* on *Page 13*.
  - If the base is substantially out of level, proceed to *Step 3* on *Page 12*.



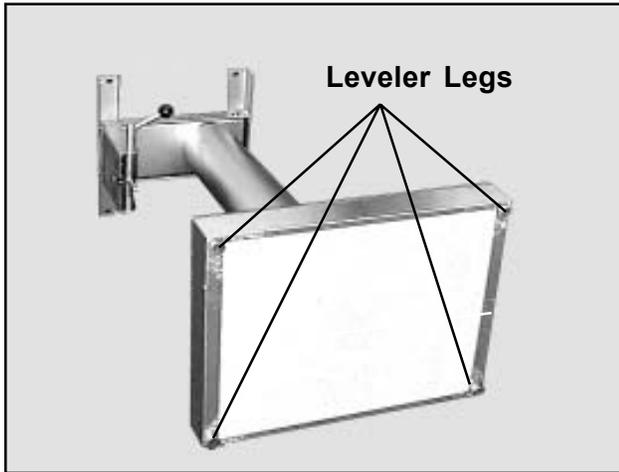
**Figure 2. Checking Right-to-Left Level**



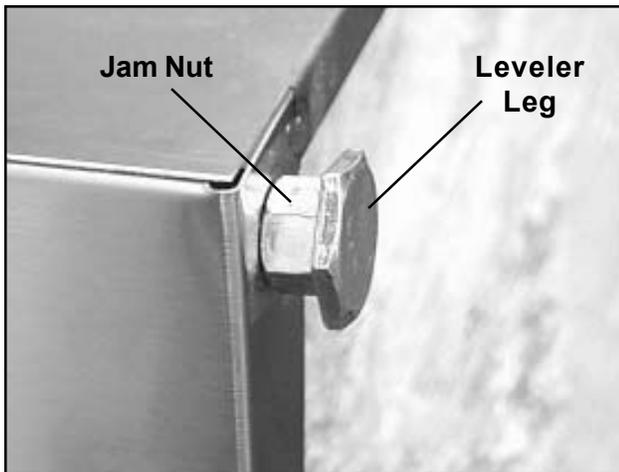
**Figure 3. Checking Front-to-Rear Level**

**CAUTION: The base is heavy and we recommend that laying it down be done by at least two people.**

3. Lay the base down as shown in Figure 4 to reach the leveler legs under the unit. **Note:** The base is shipped with the leveler legs screwed fully into the base, so they must be backed out to provide adjustment room.



**Figure 4. Base Laying Down**



**Figure 5. Leveler Leg and Jam Nut**

4. With a 9/16-in. wrench, loosen the jam nuts on all four leveler legs (Figures 4 and 5).
5. Unscrew all four leveler legs out about 1/2-in.
6. Turn the base right-side-up.
7. Place a carpenter's level length-wise on the top frame (Figure 2).
8. With a 7/8-in. wrench, turn the leveler legs (Figure 5) as necessary to level the base, right-to-left.
9. Place the level cross-wise on the table frame (Figure 3).
10. Turn the leveler legs as necessary to level the base, front-to-rear.
11. Re-check the level both ways and re-adjust the leveler legs until the base is level, right-to-left, and front-to-rear.
12. When the base is level (and all legs firmly touch the floor), hold each leveler leg steady with the 7/8-in. wrench, and then, with the 9/16-in. wrench, tighten the jam nut firmly up against the bottom of the base.
13. When leveling is complete, press the four leveler caps onto the leveler legs.

## Mounting the Table Top

Several different types of table tops can be mounted on the Pedestal Tilt Table Base. To mount your particular table, refer to the instructions packed with the table, or follow the instructions below:

- Unheated Flat Table Tops - *Page 13*
- Heated Flat Table Tops - *Page 14*
- Unheated V-Style Table Tops - *Page 15*
- Heated V-Style Table Tops - *Page 18*

**CAUTION:** The table tops are heavy. We recommend that mounting the top onto the base be done by at least two people.

### Unheated Flat Table Tops

(P/Ns 202324-01, 202324, 202326-01 and 202326)

### Assembly Procedure

1. After removing the table top from the shipping carton, place it upside-down on a smooth, clean floor or other surface. **Note:** Place sheets or other soft materials on the floor to avoid scratching the table top.
2. With two 1/2-in. wrenches, remove the four cap screws and nuts, and eight flat washers from the table top frame (Figure 6). **Note:** Save these screws, nuts, and washers - you will use them in *Steps 5 and 6* to mount the table top to the base.

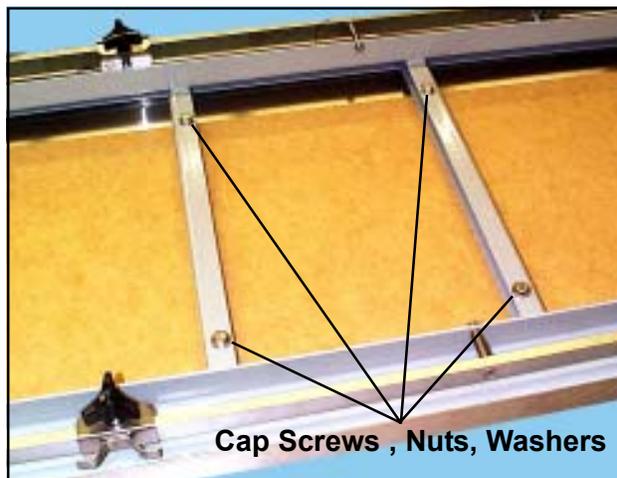


Figure 6. Hardware in Table Top Frame

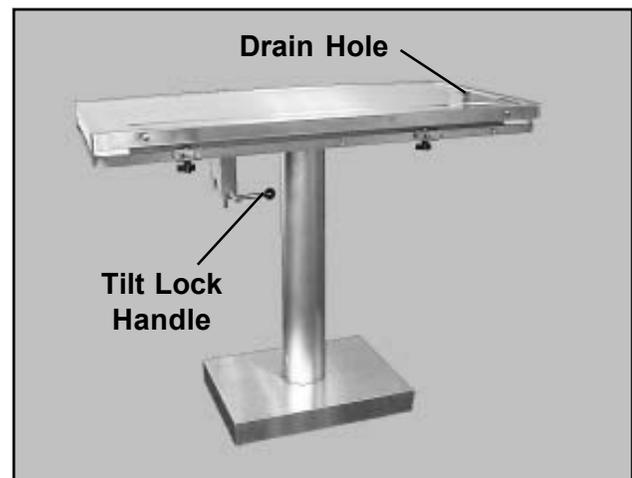
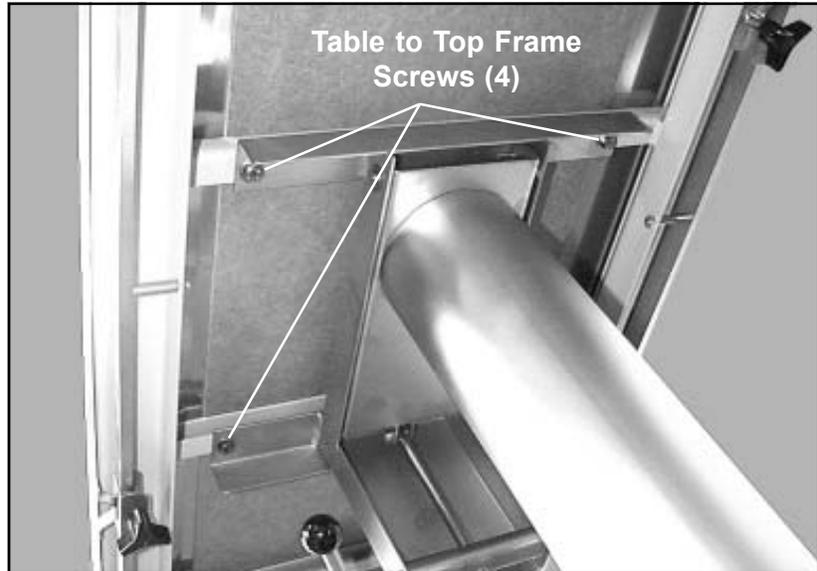


Figure 7. Table Top Mounted on Base

3. Place the table top on the top frame of your base (Figure 7). **Note:** Position the table so that the drain hole is on the opposite side of the base from the tilt lock handle.
4. Align the table on the base so that the mounting holes line up with the mounting holes on the base top frame.

5. Place one flat washer on each of the four mounting screws. Use the other flat washers under the nuts.
6. Secure the table top to the base top frame with the four screws/nuts/washers (Figure 8).



**Figure 8. Mounting Screws/Nuts/Washers - Table Top to Base**

### Heated Flat Table Tops

(P/Ns 212646-01, 212646, 208469-01 and 208469)

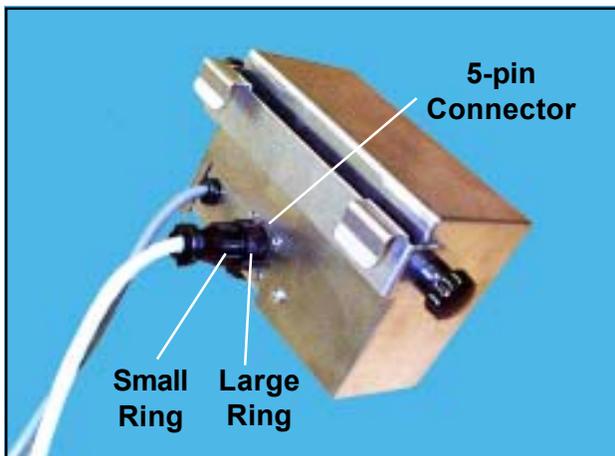
### Assembly Procedure

1. After removing the table top from the shipping carton, place it up-side-down on a smooth, clean floor or other surface. **Note:** Place sheets or other soft materials on the floor to avoid scratching the table top.
2. With two 1/2-in. wrenches, remove the four cap screws and nuts, and eight flat washers from the table top frame (Figure 6). **Note:** Save these screws, nuts and washers - you will use them in *Steps 5* and *6* to mount the table top to the base.
3. Place the table top on the top frame of your base (Figure 7). **Note:** Position the table so that the drain hole is on the opposite side of the base from the tilt lock handle.
4. Align the table on the base so that the mounting holes line up with the mounting holes on the base top frame.

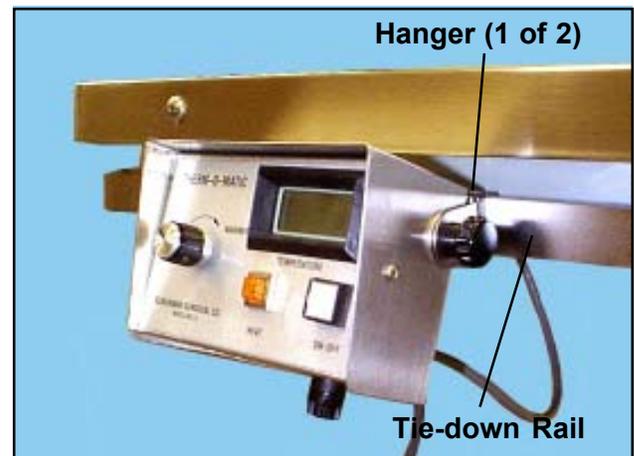
5. Place one flat washer on each of the four mounting screws. Use the remaining flat washer under the nut.
6. Secure the table to the base top frame with the four screws/nuts/washers (Figure 8).

**Warning: To tighten or loosen the 5-pin connector, ALWAYS turn the large ring (Figure 9). NEVER turn the small ring. Trying to turn the small ring can tear the pins out of the connector.**

7. 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 9).



**Figure 9. Attaching 5-pin Connector to the Heat Controller**



**Figure 10. Mounting the Heat Controller**

8. Hang the heat controller on the tie-down rail at a convenient location (Figure 10).
9. Plug in the electric power cord.

**Unheated V-Style  
Table Tops  
(P/Ns 202334-01, 202334,  
202336-01 and 202336)**

**Assembly Procedure**

1. After removing the table top from the shipping carton, place it right-side-up on a smooth, clean floor or other surface.
2. Loosen one top panel adjusting knob (turn the knob counter-clockwise) on one end of the table (Figure 11).
3. Pivot that top panel up to a 90° angle (Figure 12).

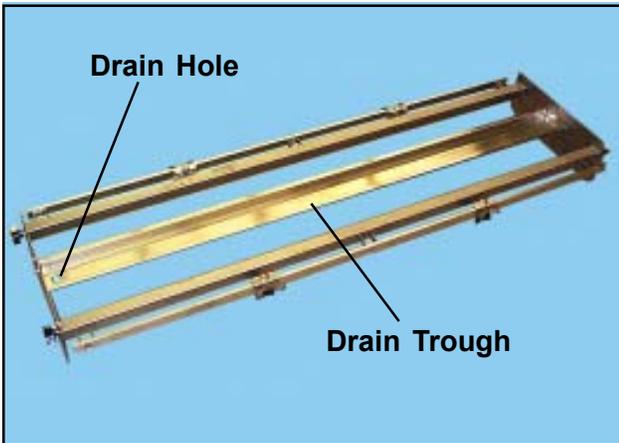
4. Lift up on the panel and remove it from the table.
5. Repeat *Steps 2* through *4* to remove the remaining top panel.



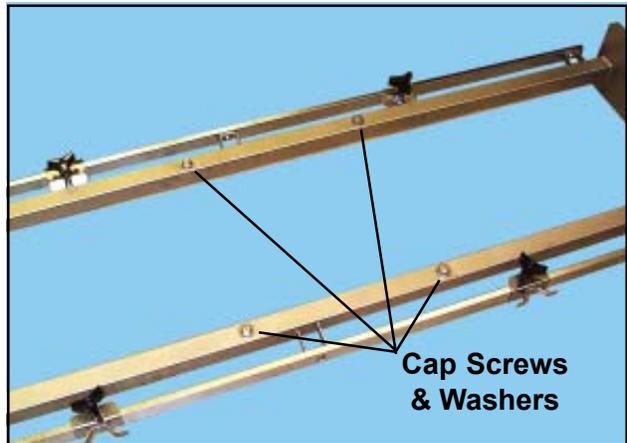
**Figure 11. Top Panel Adjusting Knob (One of Four)**



**Figure 12. Top Panel at 90° Angle**

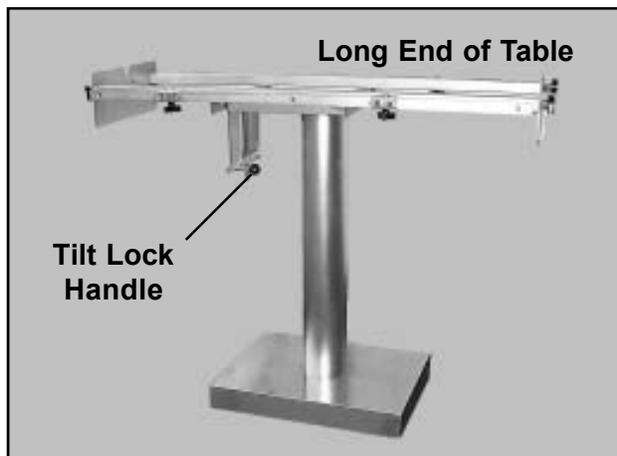


**Figure 13. Drain Trough**

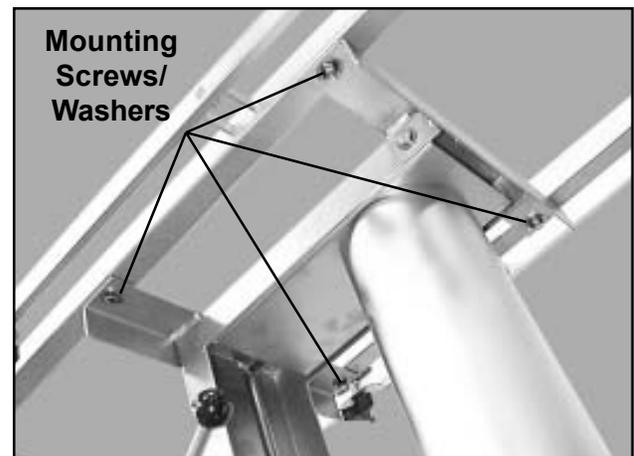


**Figure 14. Cap Screws and Washers in Table Top Frame**

6. Lift out the drain trough (Figure 13).
7. Turn the table top frame over so that it is upside-down.
8. With a 1/2-in. wrench, remove the four cap screws and eight flat washers from the table top frame (Figure 14). **Note:** Save these screws and washers - you will use them in *Steps 11* and *12* to mount the table top to the base.
9. Place the table top frame on the top mounting bracket of your base (Figure 15). **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.

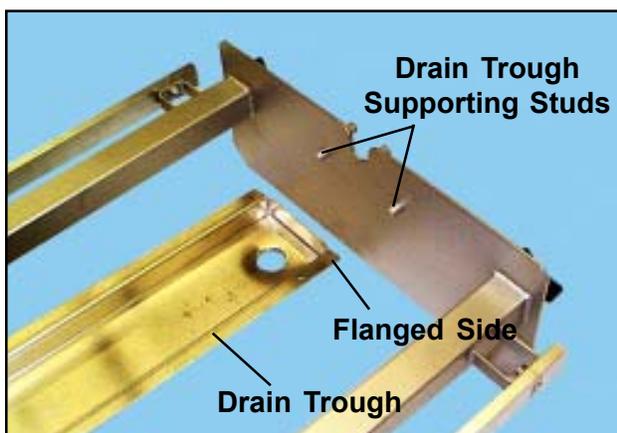


**Figure 15. Table Top Frame Mounted on Base**

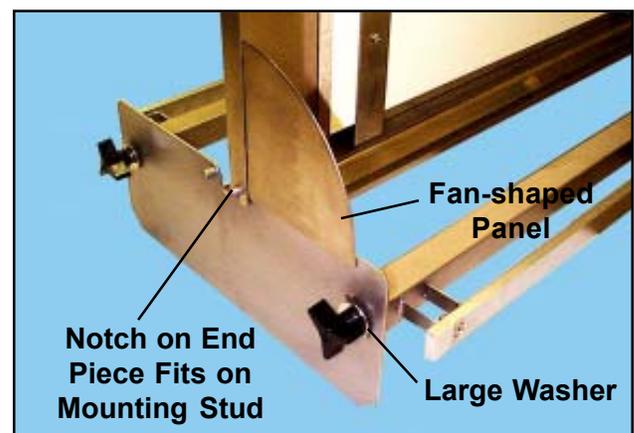


**Figure 16. Mounting Screws/Washers - Table Top to Base**

10. 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 16).
11. Place two flat washers on each of the four mounting screws.
12. Secure the top frame to the base with the screws/washers.
13. 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 17).  
**Note:** Orient the trough so that the drain hole is on the opposite side of the base from the tilt lock handle.



**Figure 17. Installing the Drain Trough**



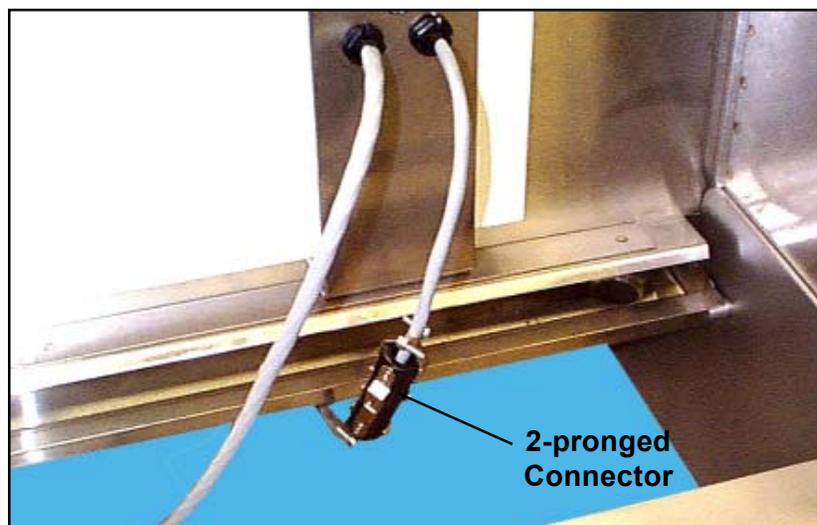
**Figure 18. Installing a Top Panel**

14. Loosen the adjusting knobs on both ends of the table for one of the top panels.
15. Drop a top panel in place on the table at a 90° angle (Figure 18). 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.
16. Pivot the top panel down to its normal position and tighten the adjusting knobs.
17. Repeat *Steps 14 through 16* and install the remaining top panel.

**Heated V-Style  
Table Tops  
(P/Ns 212647-01, 212647,  
208465-01 and 208465)**

**Assembly Procedure**

1. After removing the table top from the shipping carton, place it right-side-up on a smooth, clean floor or other surface.
2. Loosen one top panel adjusting knob (turn the knob counter-clockwise) on one end of the table (Figure 11).
3. Pivot that top panel to a 90° angle (Figure 12).
4. Disconnect the two halves of the 2-pronged connector under the top panels (Figure 19). **Note:** Squeeze the latches inward and pull the plugs apart.



**Figure 19. Disconnecting the 2-pronged Connector Under the Table.**

5. Lift up on the panel and remove it from the table.
6. Repeat *Steps 2, 3, and 5* to remove the remaining top panel from the table.
7. Lift out the drain trough (Figure 13).
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 underside of the table top frame (Figure 14). **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 15). **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.
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 16).
12. Place two flat washers on each of the four mounting screws.
13. 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 17). **Note:** Orient the trough so that the drain hole is on the opposite side of the base from the tilt lock handle.
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 18). 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.
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.
19. Pivot the top panel with the two electric cords attached to the underside to the 90° angle position.
20. Plug the male, 2-pronged connector into the female plug under the table (Figure 19). **Note:** The prongs are different sizes - make sure they align properly.
21. 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 9). **NEVER** turn the small ring. Trying to turn the small ring can tear the pins out of the connector.

22. 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 9).
23. Hang the heat controller on the tie-down rail at a convenient location (Figure 10).
24. Return the top panel to the normal position.
25. Plug in the electric power cord.

## 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 in case reshipment of the base to the manufacturer becomes necessary for repairs.

# Operation and Care

## General

The SSCI Pedestal Tilt Table Base was designed to be simple to operate and easy to keep clean.

## Operating Your Pedestal Base

### Tilting the Table

The pedestal tilt base is capable of tilting the table from horizontal to almost vertical (Figure 20). Tilting the table is done manually.

**CAUTION: The Pedestal Tilt Table Base is designed to carry weights of no more than 300-pounds (136kg).**

To tilt the table, rotate the tilt lock handle about one full turn counter-clockwise (Figure 21). Manually position the table to the desired tilt angle, then rotate the tilt lock handle fully clockwise to lock the table in place.

**CAUTION: When manually tilting the table up or down with a heavy animal aboard, make sure you have adequate assistance to avoid injury.**



Figure 20. Table at Maximum Tilt



Figure 21. Tilt Lock Handle

**CAUTION: When the table is tilted, make very sure someone is supporting the table before releasing the tilt lock handle. If unsupported when the handle is released, the table can slam down with substantial force, possibly injuring individuals or the patient, or damaging the equipment.**

## **Adjusting Table Level**

If the table and base are rocking on the floor, the leveler legs are probably out of adjustment. This can easily be the case if the table was recently moved to a new location or turned to a new orientation. The level established at installation may no longer be valid in the new location or orientation. Refer to *Leveling the Base* on *Page 11*.

## **Caring for Your Pedestal Base**

### **Introduction**

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

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

### **Cleaning Procedures**

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.

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

# Repairs & Replacements

## Replacement Parts

The table below lists the replacement parts available for the Pedestal Tilt Table Base. For parts not listed below, contact the SSCI Customer Service Department. Refer to *SSCI Contact Information* on Page 9 and *Parts Ordering Procedure* on Page 24.

Description	SSCI Part Number	Replacement Instructions
Tilt Mechanism, Complete	207412	Page 24
Support Column	754356	Page 26
Tilt Lock Handle	205258	Page 27
Pivot Shaft Spacer (Tilt Mechanism)	752003	Page 28
Lock Bar (Tilt Mechanism)	752004	Page 29
Roll Pin	854309	Page 29
Pivot Shaft (Lock Bar)	752002	Page 31
Lock Bar Pad	752005	Page 31
Tilt Frame	207410	Page 33
Pivot Rod (Tilt Mechanism)	752006	Page 33
Leveler Leg	850075	Page 36
Jam Nut	850602	Page 36
Leveler Cap	853007	Page 36

## Replacement Parts for the Pedestal Tilt Table Base

### General

- Many threaded fasteners used on the product are secured with thread adhesive to insure structural integrity. Removing any screw or bolt may be difficult at first.
- If during dis-assembly, you remove any tape, cable ties, etc., remember to replace them when the installation is complete.
- During dis-assembly, retain all hardware items such as screws, nuts, lockwashers, etc. for re-assembly.
- If you have problems with any procedure, please feel free to call SSCI Technical Support at 1-800-323-7366.

## Parts Ordering Procedure

Order new equipment, accessories and/or replacement parts from your local dealer, or directly through SSCI Customer Service. Refer to *SSCI Contact Information* on *Page 9* for address, telephone, and fax numbers.

For more information on SSCI's fine line of products, refer to your SSCI product catalog or talk to your SSCI sales representative. Find replacement part descriptions and numbers on *Page 23*.

When ordering, please provide the following:

- Your name
- Company name
- Company account number
- Your telephone number
- 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

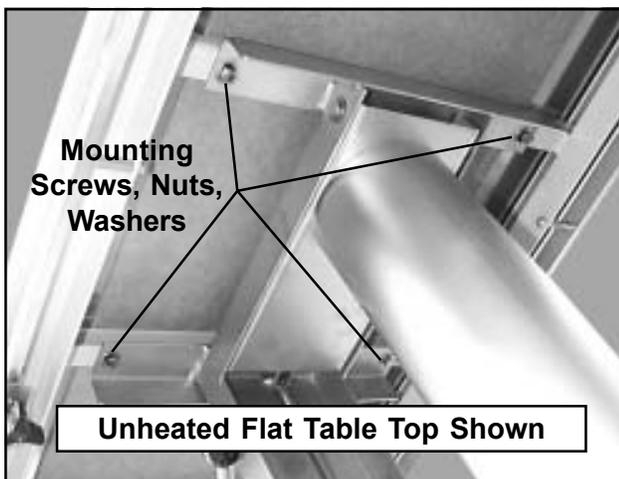
## Procedures

### Tilt Mechanism, Complete

P/N 207412

### Tools Required

- Two 1/2-in. wrenches (at least one must be open-end)
- 1/2-in. drive socket wrench
- 1-1/8-in. socket to fit socket wrench

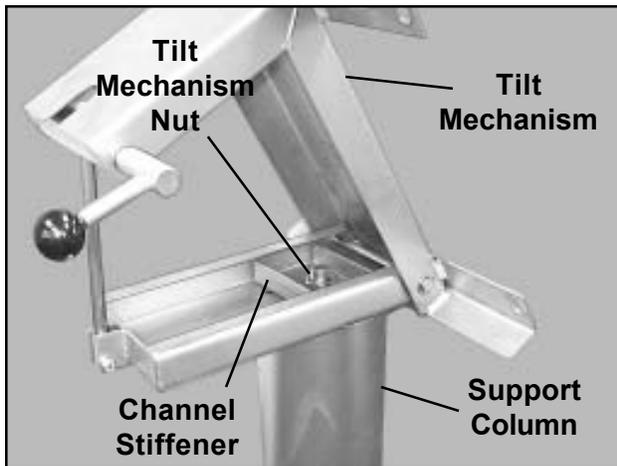


**Figure 22. Mounting Screws/Nuts/Washers - Table Top to Base**

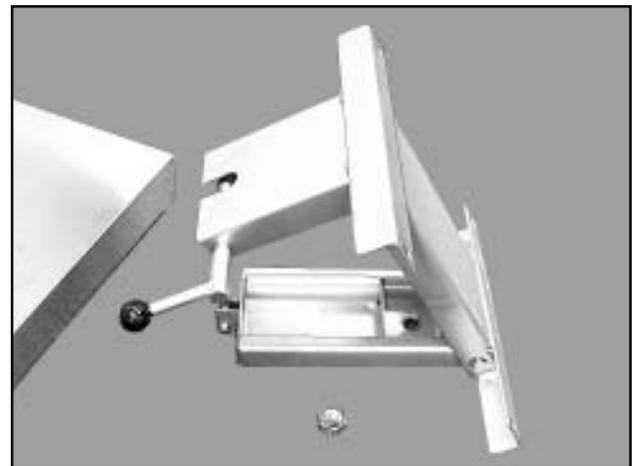
**CAUTION:** The table top is heavy. We recommend that removal of the top from the base be done by at least two people.

### Removal

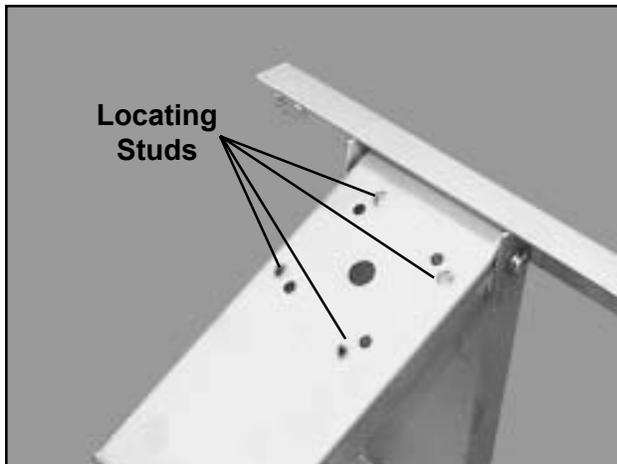
1. Tilt the table down to the horizontal position.
2. If the table is heated, dis-connect the heat controller and remove it from the table.



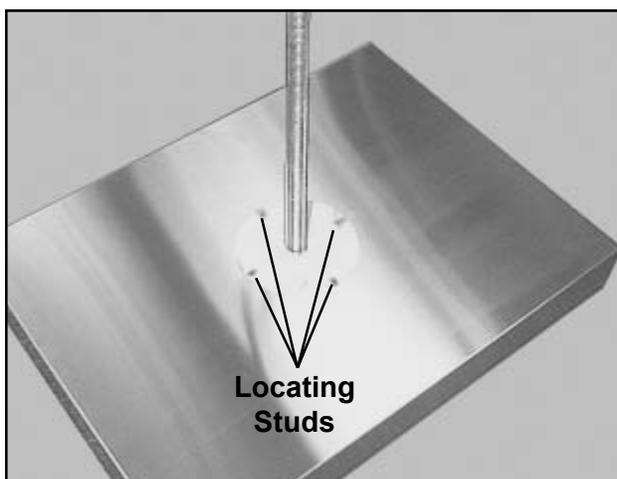
**Figure 23. Tilt Mechanism Nut**



**Figure 24. Tilt Mechanism Removed from Base**



**Figure 25. Underside of Tilt Mechanism Showing 4 Locating Studs**



**Figure 26. Column Locating Studs on Base**

3. With two 1/2-in. wrenches, remove the screws, nuts and washers holding the table to the tilt mechanism (Figure 22).
4. Lift the table top off the tilt mechanism.
5. Raise the tilt mechanism to its highest angle and lock it.
6. Using a 1-1/8-in. socket on a 1/2-in. drive socket wrench, unscrew the tilt mechanism nut (Figure 23).
7. Lift the tilt mechanism off the base (Figure 24).

### Installation

**Note:** The top and bottom of the support column are centered on four locating studs under the tilt mechanism (Figure 25), and four more on the base (Figure 26).

1. Make sure that the support column has not shifted and is still properly centered on the locating studs on the base (Figure 26).
2. Unlock the new tilt mechanism, open it to its highest angle, and lock it there.

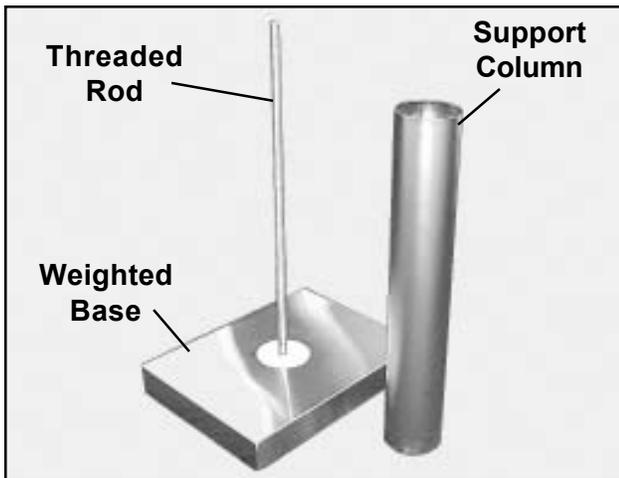
3. Place the tilt mechanism on the base with the threaded rod through the center hole in the frame. **Note:** Make sure that the rod also passes through the hole in the channel stiffener (Figure 23).
4. Make sure that the four locating studs under the tilt mechanism are centered in the support column (Figure 25).
5. Secure the tilt mechanism in place with the nut removed earlier. **Note:** Make sure that the long arms of the tilt mechanism are parallel with the short sides of the base.
6. Lower the tilt mechanism to the horizontal position and lock it.
7. Replace the table top and secure with the screws, nuts and washers removed earlier.
8. If the table is heated, replace the heat controller.

## Support Column

P/N 754356

### Tools Required

- Two 1/2-in. wrenches (at least one must be open-end)
- 1/2-in. drive socket wrench
- 1-1/8-in. socket to fit socket wrench



**Figure 27. Support Column Removed from Base**

### Removal

1. Remove the table top and tilt mechanism. Refer to *Tilt Mechanism, Complete - Removal, Steps 1 through 7*, starting on *Page 24*.
2. Lift off the support column (Figure 27).

### Installation

1. Set the new support column in place on the base.
2. Replace the tilt mechanism and the table top. Refer to *Tilt Mechanism - Installation, Steps 1 through 8*, starting on *Page 25*.

## Tilt Lock Handle

P/N 205258

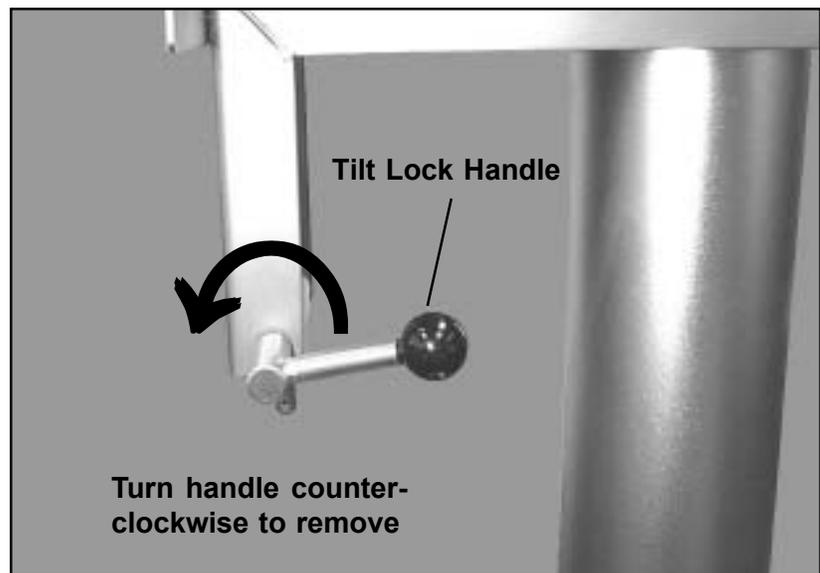
## Supplies Required

- White lithium grease (Lubriplate)

## Removal

**CAUTION:** Removing the tilt lock handle releases all pressure on the tilt mechanism and the table may suddenly fall. When you remove the tilt lock handle, the table **MUST** be in the lowest (horizontal) position.

1. If the table is tilted, return it to the normal, down position.
2. Turn the tilt lock handle counter-clockwise until it falls free (Figure 28).



**Figure 28. Removing the Tilt Lock Handle**

## Installation

1. Coat the threads on the new tilt lock handle with white lithium grease (available at your local hardware store under the name “Lubriplate”).
2. Screw the handle into place until it seats.

**Pivot Shaft Spacer (Tilt Mechanism)**  
**P/N 752003**

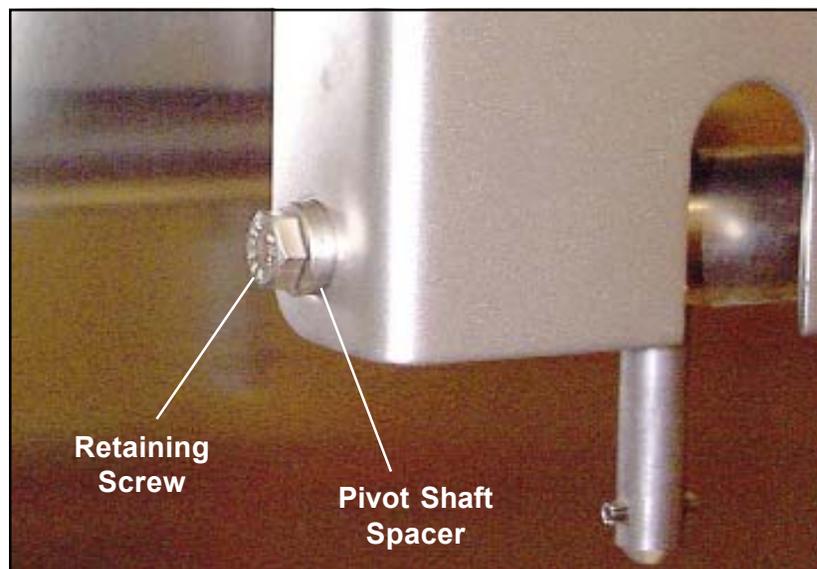
**Tool Required**

- 1/2-in. wrench

**Removal**

**CAUTION:** Do not remove the retaining screw and spacer if the table is tilted up.

1. If the table is tilted, return it to the normal, down position.
2. With a 1/2-in. wrench, remove the retaining screw and spacer (Figure 29).
3. Remove the spacer.



**Figure 29. Removing the Pivot Shaft Spacer**

**Installation**

1. Place the new spacer onto the retaining screw.
2. Install the retaining screw, with the attached spacer.  
**Note:** Make sure the spacer is centered in the mounting hole.

## Lock Bar (Tilt Mechanism)

P/N 752004

## Roll Pin

P/N 854309

These instructions guide you in replacing the tilt mechanism lock bar and/or the roll pin.

### Tools Required

- Two 1/2-in. wrenches (at least one must be open-end)
- Two 7/16-in. wrenches
- 5/32-in. dia. punch
- Small hammer or mallet
- Wooden stick or metal rod, approximately 11-in. long

### Removal

**CAUTION:** To prevent injury, we recommend that the table top be removed before performing this procedure.

1. Remove the table top. Refer to *Tilt Mechanism, Complete - Removal, Steps 1 through 4*, starting on *Page 24*.
2. Loosen the tilt lock handle and tilt the tilt frame up.
3. Place an 11-in. wood or metal brace in the tilt mechanism to support the tilt frame in a raised position (Figure 30), and lower the frame down to rest on the brace. *Do not* tighten the tilt lock handle.

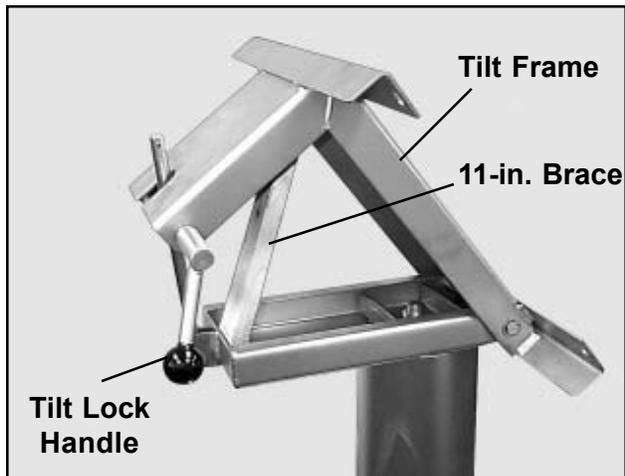


Figure 30. Tilt Frame in Raised Position

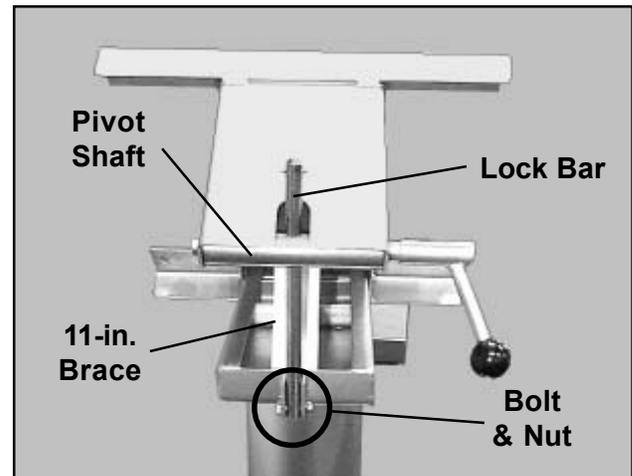
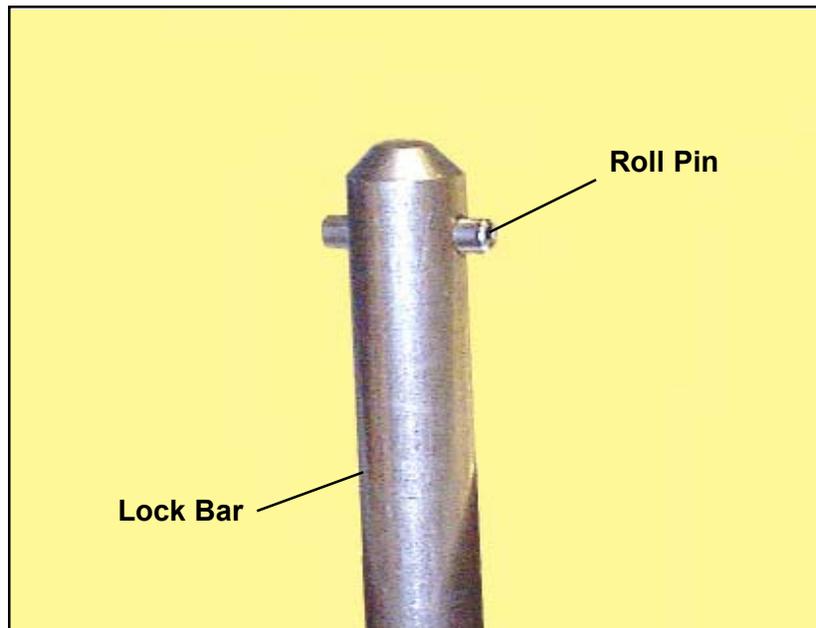


Figure 31. Removing the Lock Bar

4. With two 7/16-in. wrenches, remove the bolt and nut holding the lower end of the lock bar in place (Figure 31).
5. Slide the lock bar up and out of the pivot shaft.

6. To re-use the existing roll pin, use a 5/32-in. punch and a small hammer to drive the pin from the lock bar (Figure 32).



**Figure 32. Roll Pin in Place in the Lock Bar**

### **Installation**

1. With a punch and small hammer, drive the new or existing roll pin into the hole in the upper end of the new lock bar (Figure 32). Center the roll pin in the lock bar.
2. Slide the lock bar down through the hole in the pivot shaft (Figure 31).
3. Fasten the lower end of the lock bar to the bracket with the bolt and nut removed earlier.
4. Remove the 11-in. brace and allow the top bracket to return to the bottom position.
5. Tighten the tilt lock handle.
6. Replace the table top. Refer to *Tilt Mechanism - Installation, Steps 7 and 8*, on Page 26.

## Pivot Shaft (Lock Bar) P/N 752002

These instructions guide you in replacing the lock bar pivot shaft and/or the lock bar pad.

## Lock Bar Pad P/N 752005

### Tools Required

- Two 7/16-in. wrenches
- Two 1/2-in. wrenches (at least one must be open-end)
- Wooden stick or metal rod, approximately 11-in. long
- White lithium grease (Lubriplate)

### Removal

**CAUTION:** To prevent injury, we recommend that the table top be removed before performing this procedure.

1. Remove the table top. Refer to *Tilt Mechanism, Complete - Removal, Steps 1 through 4*, starting on *Page 24*.
2. Remove the lock bar. Refer to *Lock Bar (Tilt Mechanism) - Removal, on Page 29* and perform *Steps 2 through 5*. Do not remove the roll pin from the lock bar.
3. Turn the tilt lock handle counter-clockwise until it comes off (Figure 33).
4. With a 1/2-in. wrench, remove the pivot shaft retaining screw and spacer. **Note:** When the screw is removed, the pivot shaft will fall free from the tilt frame.
5. Tilt the pivot shaft so that the handle end points down - the lock bar pad will fall out (Figure 34).

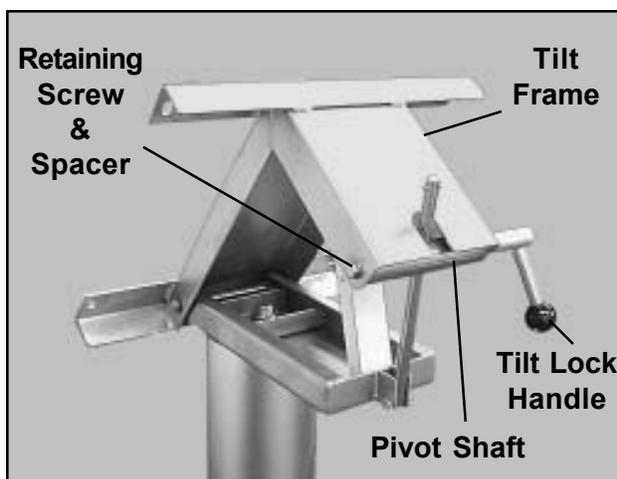


Figure 33. Removing the Pivot Shaft



Figure 34. Removing the Lock Bar Pad from the Pivot Shaft

## Installation

1. Cover the lock bar pad with a thin coating of white lithium grease (available at your local hardware store under the name "Lubriplate").
2. Slide the lock bar pad down into the pivot shaft (Figure 34). **Note:** Make sure the pad goes all the way into the hole.
3. Hold the pivot shaft in the tilt frame and insert the retaining screw and spacer removed earlier (Figure 33). **Note:** Make sure the spacer is centered in the mounting hole in the bracket. **Note:** *Do not* fully tighten the screw - leave it a little loose so the pivot shaft can rotate to accept the lock bar.
4. Put a light coat of grease on the tilt lock handle threads.
5. Screw the tilt lock handle into place, but do not tighten it fully (Figure 33).
6. Make sure that the lock bar pad is not blocking the hole in the pivot shaft. If it is, move it towards the handle end until it clears the hole.
7. Slide the lock bar down through the pivot shaft (Figure 31).
8. Fasten the lower end of the lock bar to the bracket with the bolt and nut removed earlier (Figure 31).
9. Tighten the pivot shaft retaining screw and spacer.
10. Remove the 11-in. brace and allow the top bracket to return to the bottom position.
11. Try tilting the tilt frame up. If it binds or is hard to move, slightly loosen the nut on the lower end of the lock bar (Figure 31).
12. Tighten the tilt lock handle.
13. Replace the table top. Refer to *Tilt Mechanism - Installation, Steps 7 and 8*, on Page 26.

**Tilt Frame**  
P/N 207410

**Pivot Rod (Tilt Mechanism)**  
P/N 752006

These instructions guide you in replacing the tilt frame and/or the tilt mechanism pivot rod.

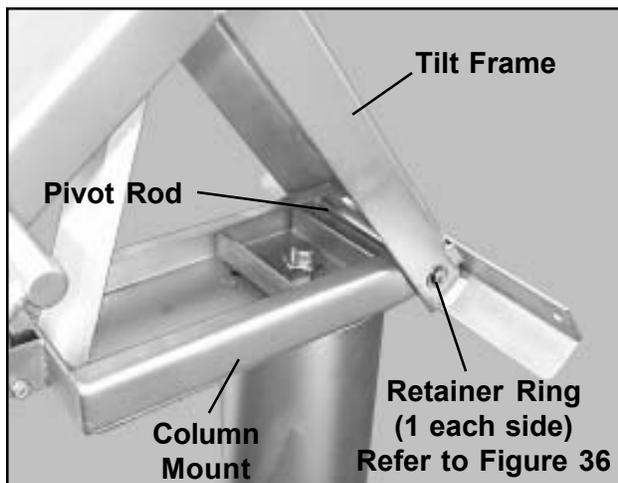
**Tools Required**

- Two 1/2-in. wrenches
- Flat-blade screwdriver (shaft at least 5-3/4-in. long and blade no more than 3/8-in. wide)
- Small hammer or mallet
- Wooden stick or metal rod, approximately 11-in. long
- White lithium grease (Lubriplate)

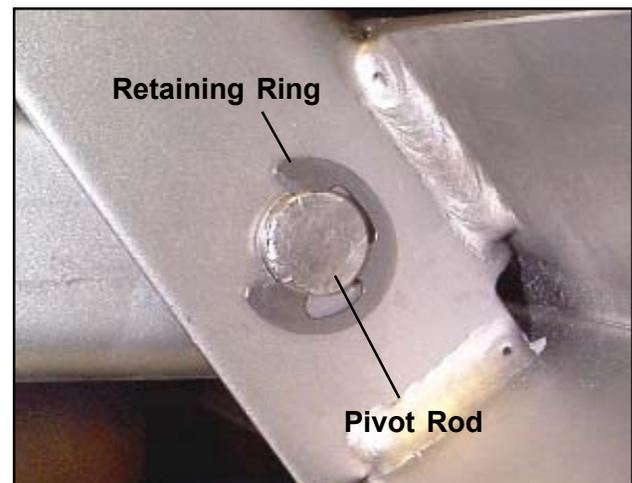
**Removal**

**CAUTION:** The table top is heavy. We recommend that removal of the top from the base be done by at least two people.

1. Remove the table top. Refer to *Tilt Mechanism, Complete Removal, Steps 1 through 4*, starting on *Page 24*.
2. Loosen the tilt lock handle and tilt the tilt frame up (Figure 30).
3. Place an 11-in. wood or metal brace in the tilt mechanism to support the frame in a raised position, and lower the frame down to rest on the brace. *Do not* tighten the tilt lock handle.
4. Turn the tilt lock handle counter-clockwise until it comes off.



**Figure 35. Pivot Rod and Retaining Rings**



**Figure 36. Pivot Rod and Retaining Ring**

5. With a 1/2-in. wrench, remove the pivot shaft retaining screw and spacer (Figure 33). When the screw is removed, allow the lock bar to pivot down, and the pivot shaft to slide to the bottom.
6. With a flat-blade screwdriver, pry off both retaining rings on the pivot rod (one ring on each end)(Figures 35 and 36).
7. With a suitable flat-blade screwdriver (Refer to *Tools Required* on Page 33) and a small hammer or mallet, drive the pivot rod out of the tilt frame.
8. Lift off the tilt frame and remove the two washers from between the tilt frame and column mount (Figure 37).

### Installation

1. Apply a small amount of white lithium grease (available at your local hardware store under the name “Lubriplate”) on both washers (Figure 37). **Note:** The grease will help hold the washers in place while you install the pivot rod.
2. Place the washers between the tilt frame and column mount, aligned with the pivot rod mounting holes (Figure 37).
3. Notice the ends of the pivot rod. One end has a chamfer (beveled edge) around the perimeter of the end (Figure 38).

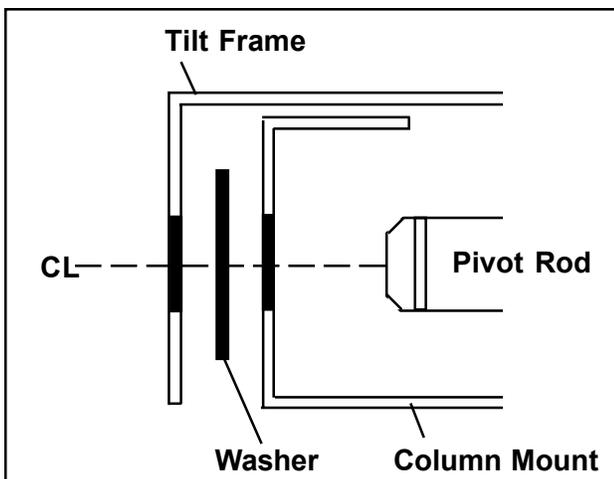


Figure 37. Washers Between the Column Mount and Tilt Frame

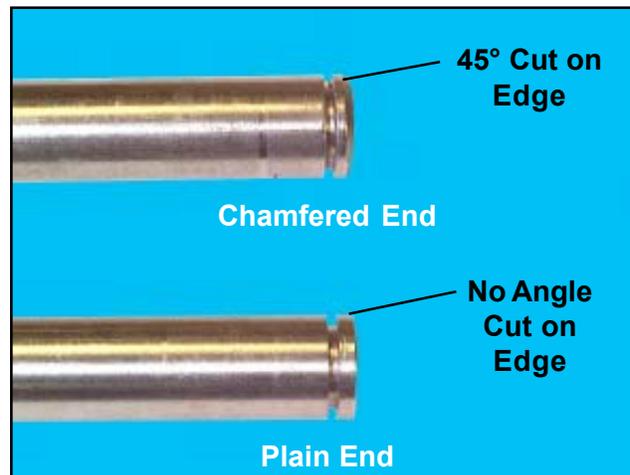


Figure 38. Pivot Rod Ends

4. Place the tilt frame on the column mount (Figure 36), being careful not to disturb the washers.
5. Check the pivot rod mounting holes to be sure that neither of the washers will obstruct the passage of the pivot rod. Re-position any washer that presents an obstruction.
6. Place the chamfered end of the pivot rod into one of the mounting holes and drive the rod all the way through the tilt frame, washers and column mount assembly.
7. Secure the pivot rod in place by snapping a retaining ring on the groove in each end of the rod (Figure 36).
8. Support the tilt frame with the 11-in. brace again.
9. Pivot the lock bar and pivot shaft up and secure them in place by mounting the retaining screw and spacer (Figure 33). **Note:** Make sure the spacer is centered in the mounting hole in the bracket.
10. Put a light coat of white lithium grease on the tilt lock handle threads.
11. Screw the tilt lock handle into place, but do not tighten it fully.
12. Remove the 11-in. brace and allow the tilt frame to return to the bottom position.
13. Tighten the tilt lock handle.
14. Replace the table top. Refer to *Tilt Mechanism - Installation, Steps 7 and 8, on Page 26.*

## Leveler Assembly

**Leveler Leg**  
**P/N 850075**

**Jam Nut**  
**P/N 850602**

**Leveler Cap**  
**P/N 853007**

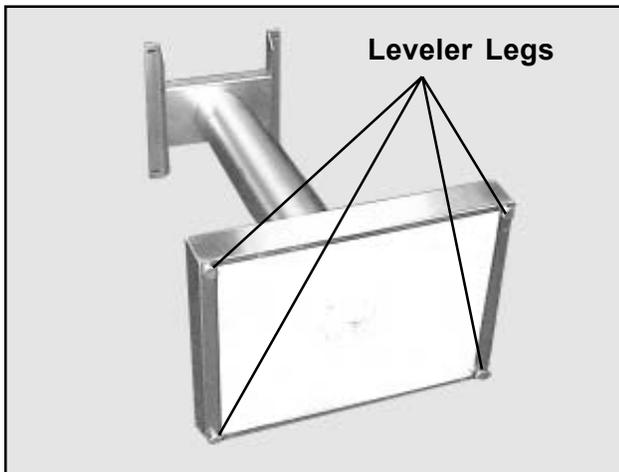
These instructions guide you in replacing a leveler leg, jam nut and/or the leveler cap.

### Tools Required

- 7/8-in. open-end wrench
- 9/16-in. open-end wrench
- Carpenter's level

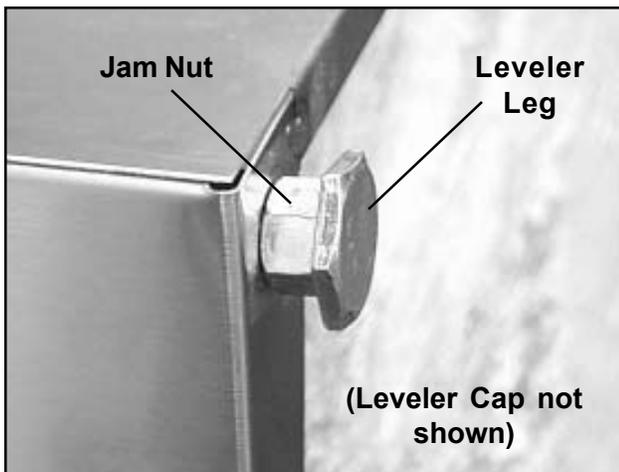
### Removal

**CAUTION:** The base is heavy and we recommend that laying it down be done by at least two people.



**Figure 39. Base Laying Down**

1. Lay the base down as shown in Figure 39 to reach the leveler legs.
2. Remove the leveler caps from all four leveler legs. **Note:** If one or more leveler caps are the only parts being replaced, remove the concerned caps and replace them. Unless the base is to be moved or turned, it should not be necessary to re-level it.
3. With a 9/16-in. wrench, loosen the jam nut on the lever leg (Figure 40).
4. With a 7/8-in. wrench unscrew and remove the leveler leg.



**Figure 40. Leveler Leg and Jam Nut**

### Installation

1. Screw the jam nut about half-way up onto the leveler leg.
2. Screw the leveler leg into its hole in the base.
3. Turn the base right-side-up.

### Leveling

Level the base. Refer to *Leveling the Base* on Page 11.

# Troubleshooting

## General

The following procedures will help you fix most of the problems that you might encounter with your SSCI Pedestal Tilt Table Base.

If necessary, please feel free to call SSCI Customer Service at (847) 537-9320, ext. 3518 (in Illinois) or 1-800-323-7366. Our experienced technical support personnel will be glad to help you. For more information on contacting SSCI, refer to *Contact Information* on Page 9.

Part numbers for available replacement parts are shown in the table on Page 23. To order replacement parts, refer to *Parts Ordering Procedure* on Page 24.

Possible problems are listed below:

- The table is hard to tilt ..... Page 39
- The table will not hold a tilt angle ..... Page 40
- The table rocks back and forth ..... Page 41
- The support column is loose ..... Page 42

If your Pedestal Tilt Table Base must be returned to SSCI for repairs, refer to *Returning the Pedestal Tilt Table Base for Repairs* on Page 38 for directions.

## Returning the Pedestal Tilt Table Base for Repairs

### RMA Numbers

If your Pedestal Tilt Table Base 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:** SSCI will *not* accept merchandise returned without an RMA number.

### Packing and Shipment

If you were able to keep the shipping carton, repack the unit into the carton. Shipping the unit securely mounted to a pallet would be a good idea.

If the shipping carton is not available, package the unit securely in a suitable container. Ship documentation with the unit including:

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

## The table is hard to tilt.

### Remedial Action

**First:** Make sure the tilt lock handle is fully released (turn counter-clockwise). Refer to *Tilting the Table* on *Page 21*.

**Second:** You may be trying to lift too heavy a load on the table. The load limit on the hydraulic base is 300 pounds (136 kg). Refer to the **CAUTION** under *Safety* on *Page 6*.

**Third:** The bolt and nut holding the lower end of the lock bar may be over-tightened. Refer to Figure 31 on *Page 29*, and slightly loosen the nut.

**Fourth:** The pivot shaft may be mis-aligned. Refer to Figure 31 on *Page 29* and slightly loosen the retaining screw, and loosen the tilt lock handle. Make sure that the spacer is properly seated in its mounting hole. Now, tilt the table up and down. If the pivot shaft is mis-aligned, this will allow it to re-adjust itself. Re-tighten the screw and the tilt lock handle.

**Fifth:** Refer to Figures 35 and 36 on *Page 33*. Are the retainer rings on both ends of the pivot rod properly in place? Is the pivot rod in place? If retainer rings are missing or damaged, call SSCI and order two replacement rings (P/N 852106). If the pivot rod is out of place, try to drive it back into place with a small hammer and drift pin or punch, then secure it in place with the two retainer rings.

**Sixth:** Has the table or base been subject to a heavy blow recently that may have damaged the unit? Refer to Figure 33 on *Page 31* and check the tilt mechanism. Is it bent or in any way mis-aligned. For a replacement tilt mechanism, call SSCI and order P/N 207412. To replace the tilt mechanism, refer to *Tilt Mechanism, Complete* on *Page 24*.

## The table will not hold a tilt angle.

### Remedial Action

**First:** Make sure the tilt lock handle is fully tightened (turn clockwise). Refer to *Tilting the Table* on *Page 21*.

**Second:** You may be trying to lift too heavy a load on the table. The load limit on the hydraulic base is 300 pounds (136 kg). Refer to the **CAUTION** under *Safety* on *Page 6*.

**Third:** The lock bar pad in the pivot shaft may be missing, worn, or damaged. Refer to *Lock Bar Pad - Removal* on *Page 31* and perform *Steps 1* through *5*. Make sure the lock bar pad is present and not damaged or deformed. To order a new lock bar pad, call SSCI and order P/N 752005. To replace the pad, refer to the manual section noted above.

## The table rocks back and forth.

### Remedial Action

**First:** Check the table-to-base mounting screws, washers and nuts and make sure they are in place and tight.

- Flat-top Tables - Figure 8 on *Page 14*
- V-Style Tables - Figure 16 on *Page 17*

**CAUTION:** The table and base are heavy and we recommend that laying the unit down be done by at least two people.

**Second:** Turn the table and base on to its side and check the four leveler legs. Make sure all are present, undamaged, and secure.

- If one or more legs are loose, tighten them, then refer to *Leveling the Base* on *Page 11* and perform the procedure.
- If legs, jam nuts, or leveler caps are missing, order the parts listed below as needed:

Leveler Leg - P/N 850075

Jam Nut - P/N 850602

Leveler Cap - P/N 853007

Refer to *Leveler Assembly* on *Page 36* to for instructions on how to replace the parts.

**Third:** If the leveler legs are all present and secure, the table and base are probably out of level. Refer to *Leveling the Base* on *Page 11* and perform the procedure.

## The support column is loose.

### Remedial Action

**Note:** There are only two reasons why the support column should be loose:

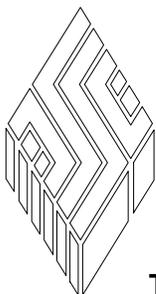
- The base was dis-assembled recently and was not re-assembled properly. Refer to *Support Column on Page 26* for correct assembly procedure.
- The base has suffered a heavy blow and the column has been knocked loose. Check the base and column for damage.

**First:** If the base and column are undamaged, refer to *Support Column on Page 26* and re-assemble the unit correctly.

**Second:** If the support column is damaged, order a new column, P/N 754356, and refer to *Support Column on Page 26* to replace the part.



***For more information on SSCI's fine line of products and accessories,  
talk to your SSCI sales representative.***



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