Owner's Manual

Longitudinal, Floor-standing Table with Exam Top

Elite Lift Table

- *Electrically actuated*
- *Floor-standing or wall-mount*
- *Lateral or longitudinal configuration*
- *Exam top or electronic scale*

Model Numbers:
12660-01-GYLWEF, 12664-01-DPLWIB, 12661-01-GZLWEF, 12665-01-DPLWHX, 12662-01-GZLWEF, 12666-01-DPLWHX, 12663-01-GZLWEF, 12667-01-DPLWHX

SSCI
Wheeling, IL (800) 323 7366

Form No. 702744 Rev. B 04/09

Inquiries should be addressed to **Suburban Surgical Co., Inc.**
Wheeling, Illinois 60090, USA

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Chapter 1 - General Information

Introduction

Longitudinal, Floor-standing Table with Exam Top

With your new SSCI Elite Lift Table, you'll be able to examine practically any size patient, at a height that's comfortable for you. No more lifting large animals, and best of all, less chance of being harmed by a frightened animal you are trying to lift onto the exam table.

The stainless steel table surface and the attached back panel slide smoothly up and down on the stainless steel frame to bring animals to an ideal working height. A foot-operated pedal controls the direction of the table, leaving your hands free to soothe and steady the animal. The back panel has adjustable restraining loops with tie-downs for greater animal control and safety.

Elite Lift Tables feature an electric motor-driven screw mechanism, are offered with lateral or longitudinal exam tables, and can be ordered with an electronic scale. Select either a floor-standing model or a wall-mounted model to suit your exam room needs.

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 & 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:

Align the crossbar on the motor coupling with the slot on the end of the motor shaft and push the coupling onto the shaft. **Note:** The coupling is symmetrical; either side can be placed on the shaft.

CAUTIONS

Under ***CAUTION:*** headings, 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: **In the next two steps you will remove the utility box cover and expose electrical components in the utility box. Use caution around the electric wiring and components to prevent injury to yourself and/or damage to the equipment.**

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: **The electric actuator is all that holds the table in its raised position. If the actuator is removed while the table is raised, the table top will fall suddenly with considerable force. A high potential exists for injury to yourself or damage to the equipment.**

Models

Table 1 shows the part numbers for the SSCI Elite Lift Tables.

Model Number	Mounting	Configuration	Top
12660-01-GYLWEF	Floor-standing	Lateral	Exam Top
12661-01-GZLWEF			Electronic Scale
12664-01-DPLWIB		Longitudinal	Exam Top
12665-01-DPLWHX			Electronic Scale
12662-01-GZLWEF	Wall-mount	Lateral	Exam Top
12663-01-GZLWEF			Electronic Scale
12666-01-DPLWHX		Longitudinal	Exam Top
12667-01-DPLWHX			Electronic Scale

Table 1. Elite Lift Table Model Part Numbers

Lift Table Specifications

Minor variations in some dimensions exist, depending on type of top and mounting arrangement.

Lateral Configuration Lift Tables

Working Surface Width:	45.221 in. to 45.406 in.
Working Surface Depth:	21.188 in. to 21.406 in.
Overall Width:	45.221 in. to 45.406 in.
Overall Depth:	27.50 in.
Overall Height:	77.125 in.
Lift Maximum:	38.50 in. to 41.00 in.
Lift Minimum:	6.75 in. to 8.25 in.

Longitudinal Configuration Lift Tables

Working Surface Width:	21.188 in. to 21.406 in.
Working Surface Depth:	45.221 in. to 45.406 in.
Overall Width	21.406 in. to 23.50 in.
Overall Depth:	50.875 in. to 51.50 in.
Overall Height:	77.125 in.
Lift Maximum:	38.50 in. to 41.00 in.
Lift Minimum:	6.75 in. to 8.25 in.

Accessories

The following accessories increase the operating convenience of your Elite Lift Table. Find descriptions, pictures, and information on SSCI products and accessories in our current catalog, or on our website at www.suburbansurgical.com. To order, refer to *Parts Ordering Procedure* on *Page 26*.

- Black Vinyl Ribbed Mat - P/N 12800-00-GNAACV
- Casters, 3" dia, w/Brakes* - P/N C010-23061001-CH000
- Add-on Drawer - P/N 12720-00-CLAPBR
- Display mounting plate for Regal 300 Electronic Scale - P/N 212366
- Voltage Adapter - Call SSCI for information

* for floor-standing models only.

Care & 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 this product is the best available for the intended use.

Cleaning & 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 lift table.

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, & 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.**

Safety

Crush Warning

The lift table is raised and lowered by means of a powerful electric actuator. Use caution when raising or lowering the table to insure that feet or other body parts are not trapped under the table. Make sure that objects are not caught under the table as they can be damaged, or cause damage to the table lifting mechanism. Do not allow electric power cords to become trapped under the lifting mechanism.

Load Weight Limitations

The lift table is designed to carry weights up to 300 pounds (136 kg). Placing weights greater than 300 pounds on the table can damage the lifting mechanism or cause the table to lower suddenly.

Use of Restraint System

Restraining loops and tie-downs are provided on the back panel for restraining frightened or reluctant animals. Use the restraints only as required to control the animal, but not so tightly so as to cause injury.

Cleaning Requirements

Clean the lift table exactly in accordance with the cleaning instructions provided in *Chapter 3* of this manual. *Failure to follow these instructions can void your warranty.*

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

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.

Chapter 2 - Unpacking & Setup

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 Elite Lift Table while you unpack it. If any damage is noted, or if parts appear to be missing, call SSCI Customer Service at (800) 323-7366.

Unpacking & Setup

Models

Due to substantial differences between floor-standing models and wall-mount models, their respective installation procedures are not the same. Refer to the following pages for the correct procedures for your table:

- Floor-standing models - Below
- Wall-mount models - *Page 11*

Floor-standing Models

This procedure gives unpacking and setup instructions for a longitudinal table. The procedures are the same for lateral models. For installation procedures for wall-mount tables, refer to *Page 11*.

CAUTION: **Unpacking and setting up the lift table is not difficult. However, the table is heavy and we recommend that these operations be done by at least two people. Follow the instructions carefully to prevent injury to yourself or damage to the table.**

Tools Required

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

Included Parts

After removing the top carton and the plastic wrap, make sure the following parts are present in the parts bag (Figure 1).

- Leveler legs (4) - P/N 850075
- Jam nuts (4) - P/N 850606
- Leveler caps (4) - P/N 853007

Figure 1. Leveler Hardware Supplied with Table

Uncrating

1. Lay the table down on its back (Figure 2). Do not damage the electric power cord or foot controller.

2. With a 9/16 in. socket wrench, remove the four skid bolts and washers (Figure 3).

3. Remove the skid.

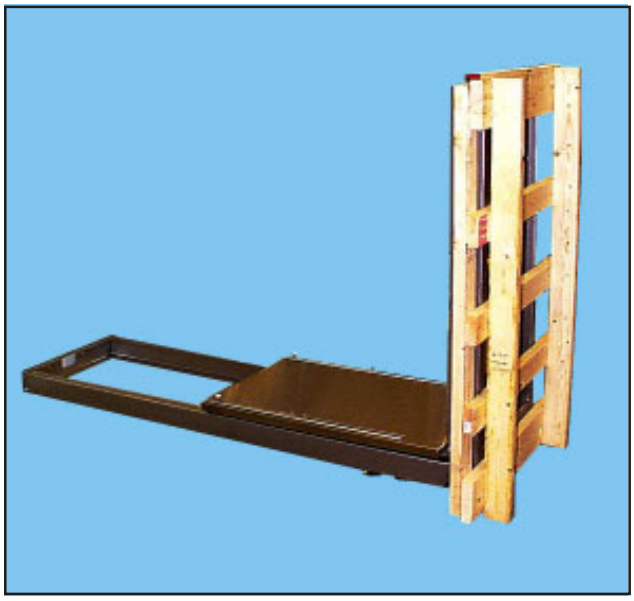

Figure 2. Table/Skid Laid Down

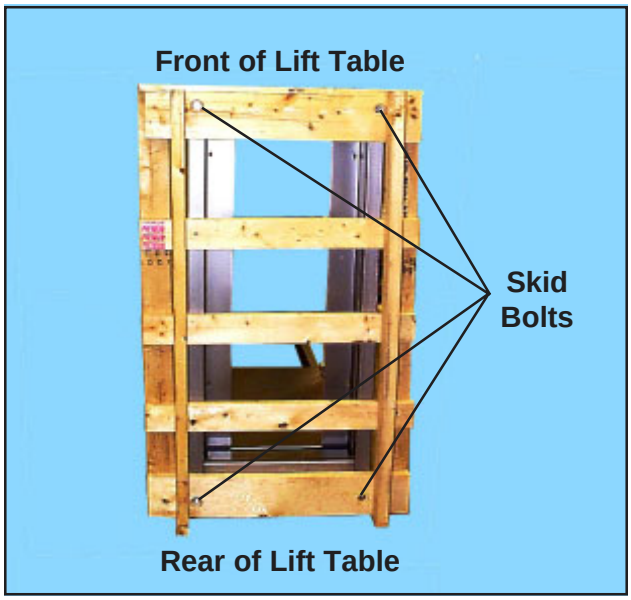

Figure 3. Locations of Skid Bolts

Leveling

Note: It is very important to properly level the lift table. If the table is not level, the vertical tracks will be out of alignment. This can cause a wide variety of problems including excessive wear, rough movement, and noisy operation.

Note: Level the table ONLY at the location where it will be used. Due to differing floor conditions, leveling procedures carried out elsewhere may be totally invalid at the new location. If the table is ever moved to another location, or turned to a different orientation, the leveling procedure must be redone.

1. Screw the four jam nuts onto the four leveler legs as far as possible. **Note:** Leave the leveler caps off until the leveling procedure is finished.

2. Screw the four leveler legs about halfway into the skid bolt holes (Figure 4).

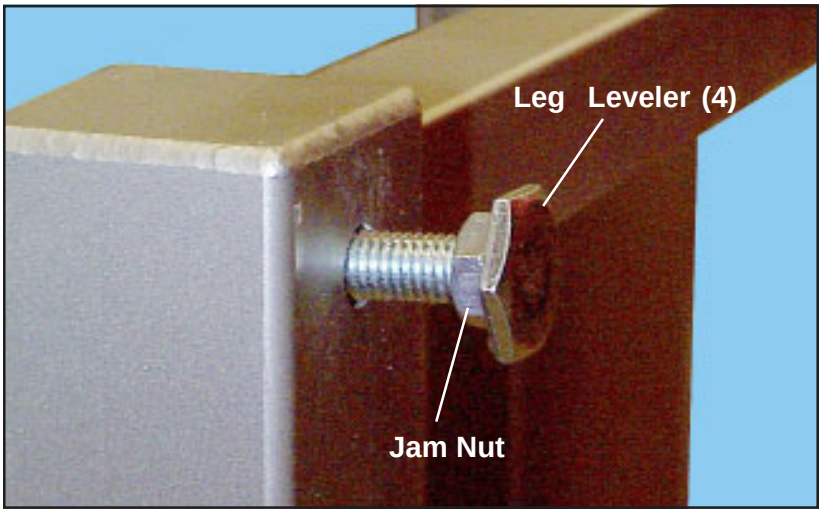

Figure 4. Leg Leveler with Jam Nut Mounted in Skid Bolt Hole

3. Move the table to its intended location and raise it to its normal upright position.

4. Unwrap the foot controller and place it in a convenient location where there is no danger of the cable being caught under the table.

5. Plug in the electric power cord.

6. Press the **UP** side of the foot controller and raise the table about halfway.

7. Place a carpenter's level *across* the table arms (Figure 5).

8. With a 7/8 in. open-end wrench, turn the leveler leg as necessary to level the table, right-to-left.

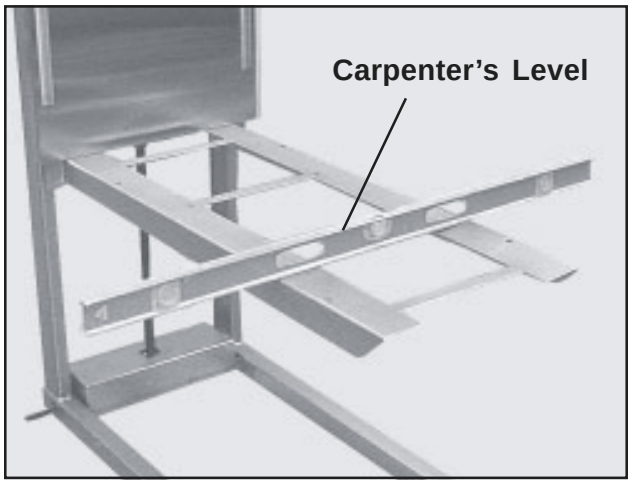

Figure 5. Carpenter's Level Across Table Arms

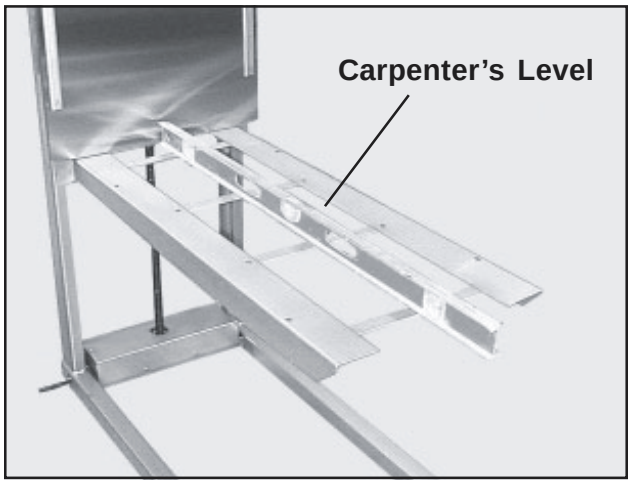

Figure 6. Carpenter's Level Lengthwise on Table Arms

9. Place the level *lengthwise* along the table (Figure 6).

10. Turn the leveler legs as necessary to level the table, front-to-rear.

11. Recheck the level both ways and readjust the levelers until the table is in perfect level.

12. When the table is level (and all legs firmly touch the floor), hold each leveler steady with the wrench, and with a 9/16 in. open-end wrench, tighten each jam nut firmly up against the bottom of the table.

13. Press the four leveler caps onto the leveler legs.

CAUTION: **Make sure the power cord and the foot controller cable pass UNDER, not over the table legs. Cords and cables passing OVER the table legs can be damaged when the table is lowered. Such damage is NOT caused by a product defect, and is NOT covered by your warranty.**

Mounting the Top

- **Exam top:** Refer to *Exam Top* on *Page 16*.
- **Electronic scale:** Refer to *Electronic Scale* on *Page 17*.

Wall-mount Models

This procedure gives setup instructions for a longitudinal table. The procedures are the same for lateral models. For installation procedures for wall-mount tables, refer to *Page 7*.

Note: We recommend that, on new construction, prior to finishing the wall to which the lift table will be mounted, the mounting points be backed up with 2 x 6s. On existing walls, consider opening the wall and installing these supports. The table can also be mounted to cinder-block or brick walls as long as appropriate mounting hardware is used.

Note: The wall must be flat and very close to perfect plumb. If the wall is bowed and/or out of plumb, the vertical tracks of the lift table may not be perfectly parallel when mounted to the wall. Such misalignment can cause binding, noisy operation, and premature wear. If the misalignment is severe, it may actually be impossible to raise or lower the table.

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

Tools & Supplies Required

- 9/16 in. open-end wrench
- 9/16 in. socket wrench
- Phillips screwdriver
- Carpenter's level
- Marking pen or pencil
- Tape measure
- Power drill
- Mounting hardware as appropriate for wall
- Any tools required for the above hardware

Included Parts

After removing the top carton and the plastic wrap, make sure the following parts are present in the parts bag (Figure 1).

Note: Only two of each item will be needed for this installation.

- Leveler legs (2) - P/N 850075
- Jam nuts (2) - P/N 850606
- Leveler caps (2) - P/N 853007

Uncrating

1. Lay the table down on its back (Figure 7). Do not damage the electric power cord or foot controller.

2. With a Phillips screwdriver, remove the two upper pallet mounting screws and washers.

3. With a 9/16 in. socket wrench, remove the two skid bolts and washers (Figure 8).

4. Remove the skid.

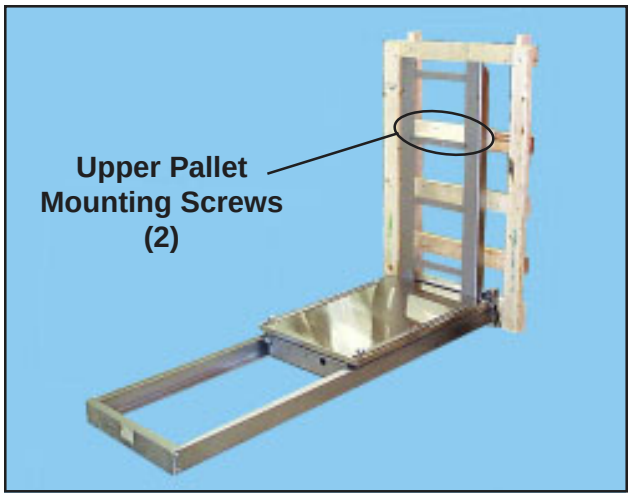

Figure 7. Table/Skid Laid Down

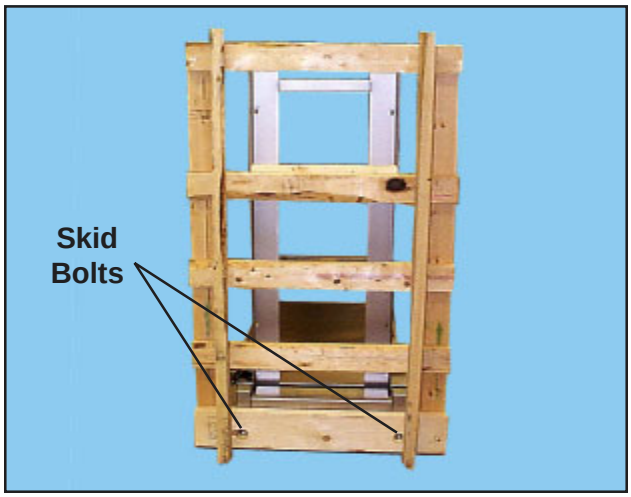

Figure 8. Locations of Skid Bolts

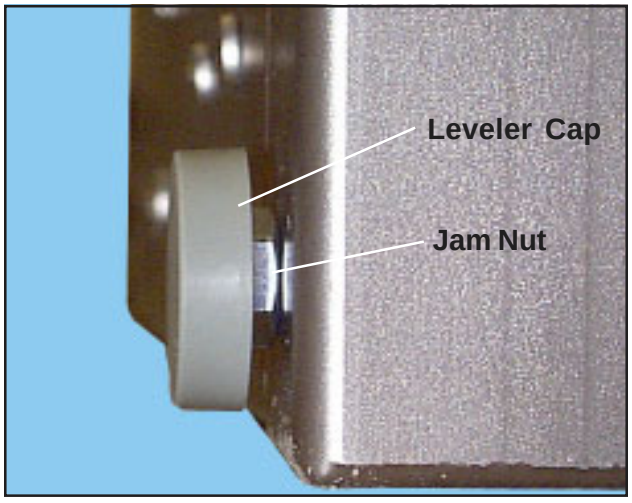

Figure 9. Leg Leveler in a Skid Bolt Hole

Preparing the Table for Wall Mounting

1. Screw two jam nuts up onto two leg levelers as far as possible (Figure 9).

2. Press two leveler caps onto the leveler legs.

3. Screw the two leveler legs all the way into the skid bolt holes (Figures 8 and 9).

4. Move the table to its intended location and raise it to its normal upright position.

5. Unwrap the foot controller and place it in a convenient location where there is no danger of the cable being caught under the table.

Mounting the Top - Electronic Scale ONLY

Refer to *Electronic Scales* on *Page 17, Steps 1* through *11*.

Note: Most of the electronic scale mounting must be done at this time. These procedures require access to the rear of the table and are easier to perform before the table is mounted to the wall.

DO NOT mount an exam top at this time. This procedure is more easily done toward the end of the installation.

Preparing the Wall

1. Locate the two studs in the wall (or the 2 x 6s installed earlier, if used) to which the table will be mounted. On other than stud and wallboard walls, decide exactly where the table will be mounted.

2. Remove any molding at the base of the wall that might interfere with mounting the table flush to the wall.

3. Refer to Figure 10 and drill the four mounting holes suitable for the type of fastener you will be using.

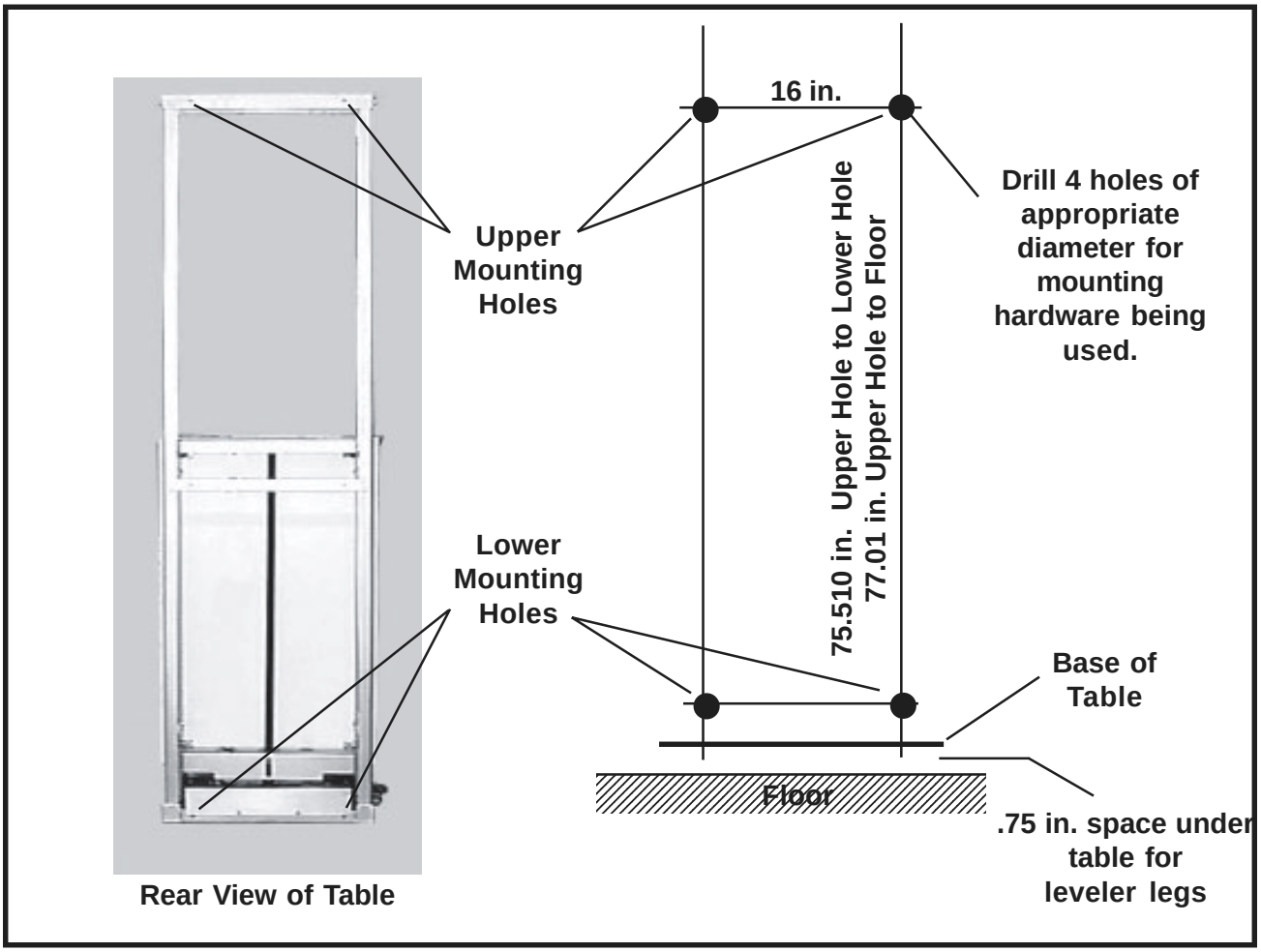

Figure 10. Wall-Mount Table - Mounting Holes & Dimensions

4. Carefully examine the wall to make sure it is flat and plumb so that the table vertical tracks will be perfectly parallel. If the wall is bowed and/or out of plumb, use shims behind the table mounting points to correct the misalignment.

Mounting & Leveling the Table

Note: It is very important to properly level the lift table. If the table is not level, the vertical tracks will be out of alignment. This can cause a wide variety of problems including excessive wear, rough movement, and noisy operation.

Note: Level the table ONLY at the location where it will be used. Due to differing floor and wall conditions, leveling procedures carried out elsewhere may be totally invalid at the new location. If the table is ever moved to another location, the leveling procedure must be redone.

1. Mount the lift table to the wall with fasteners suitable for the type of wall, but leave the fasteners slightly loose.
   Note: If the wall is bowed or out of plumb, shim the mounting points as necessary to ensure that the table vertical tracks are parallel.

2. Plug in the electric power cord.

3. Press the **UP** side of the foot controller and attempt to raise the table to its full height.
   - If the table rises smoothly and quietly, proceed to *Step 7* and level the table.
   - If the table binds or makes a lot of noise, the vertical tracks are probably out of parallel - continue on to *Step 4*.

4. Remove the upper right mounting bolt to free that corner of the table from the wall.

5. Try to move the table up and down again.
   - If the table moves smoothly and quietly, remount the upper right mounting bolt with shims to maintain the existing space from the wall. Try raising and lowering the table again. If it moves smoothly and quietly, proceed to *Step 7* and level the table.
   - If the table still binds, replace the upper right mounting bolt, then remove the upper left mounting bolt.

6. Try to move the table up and down again.
   - If the table moves smoothly and quietly, remount the upper left mounting bolt with shims to maintain the existing space from the wall. Try raising and lowering the table again. If it moves smoothly and quietly, proceed to *Step 7* and level the table.
   - If the table still binds, replace the upper left mounting bolt. Examine the table wall carefully and try to determine why the vertical tracks are out of parallel, and remedy the condition. Then proceed to *Step 7* and level the table.

7. Make sure that all wall fasteners are slightly loose.

8. Press the **UP** side of the foot controller and raise the table about halfway.

9. Unscrew the leveler legs until they firmly touch the floor.

10. Place a carpenter's level *across* the table arms (Figure 5).

11. Turn the leveler legs as necessary to level the table, right-to-left.

12. Recheck the level and readjust as necessary.

13. When the table is level (and both legs firmly touch the floor) hold each leg leveler steady and with a 9/16 in. open-end wrench, tighten the jam nut firmly up against the bottom of the table.

14. Tighten all four wall fasteners.

Mounting the Top

- **Exam top:** Refer to *Exam Top* on *Page 16*.
- **Electronic scale:** Refer to *Electronic Scale* on *Page 19, Steps 12* through *14*.

Installation of Table Top

This section guides you in installing a new exam top or electronic scale on an Elite Lift Table.

Top	Former P/N	New P/N
Exam Top	202344	18070-00-GYADDG
Electronic Scale	209934-1-PT	12451-01-GZAHDH

Table 2. Table Top Part Numbers

Installation Procedures

For table top installation procedures, refer to the pages listed below:

- Exam Top - Below
- Electronic Scale - *Page 17*

CAUTION: **The table top is heavy. Lifting it on or off the unit should be done by at least two people.**

Exam Top

Tool Required

- 1/2 in. wrench

Procedure

1. With a 1/2 in. wrench, remove the nuts and washers from the mounting studs under the exam top (Figure 11).

2. Place the exam top on the unit so that the mounting studs under the top enter the matching holes on the unit frame (Figures 11, 12, and 13).

3. Secure the exam top to the frame with the four nuts and washers removed in *Step 1*.

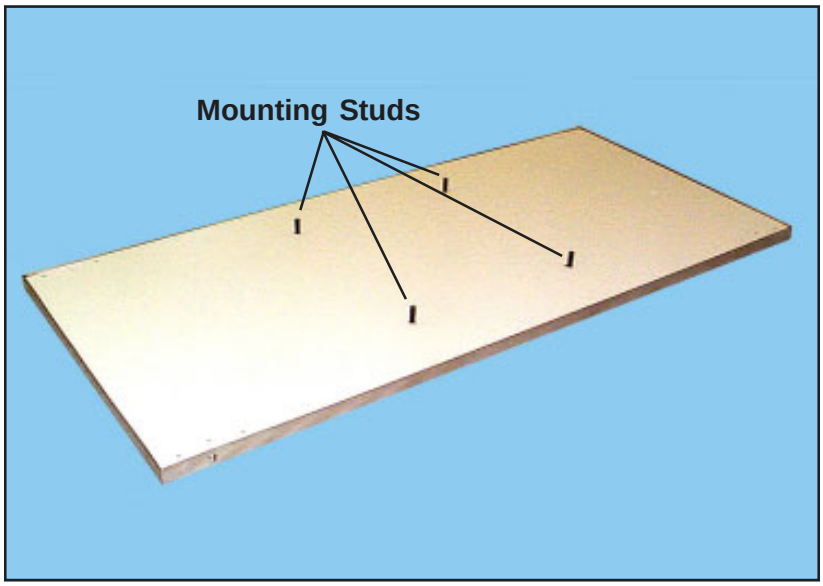

Figure 11. Underside of Exam Top Showing Studs

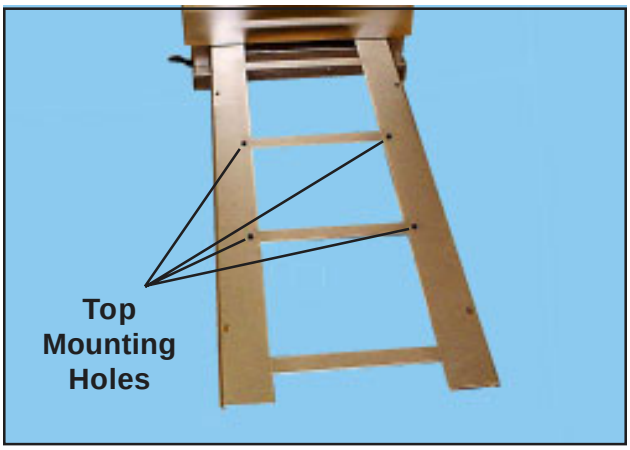

Figure 12. Longitudinal Exam Top Mounting Holes

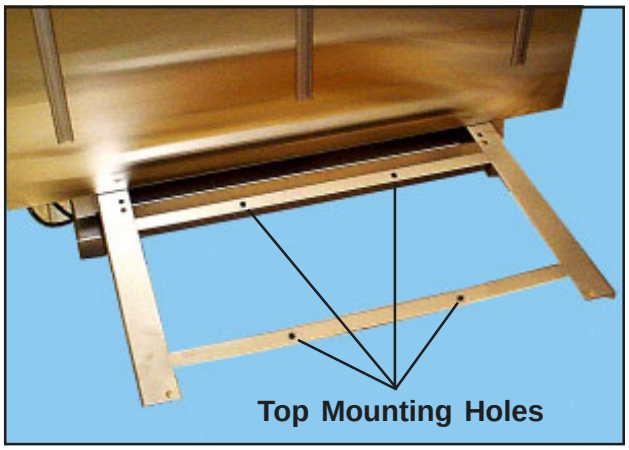

Figure 13. Lateral Exam Top Mounting Holes

Electronic Scale

Tools & Supplies Required

- 3/8 in. open-end wrench
- Phillips screwdriver

Part Required

- Display mounting plate - P/N 212366

Procedure

1. With a Phillips screwdriver and a 3/8 in. wrench, mount the display mounting plate to the top crossmember of the sliding carriage with two 10-24 x .5" screws and locknuts (Figure 14).

2. With a Phillips screwdriver and a 3/8 in. wrench, mount the console bracket to the mounting plate with two 10-24 x .5" screws and locknuts (Figure 15).

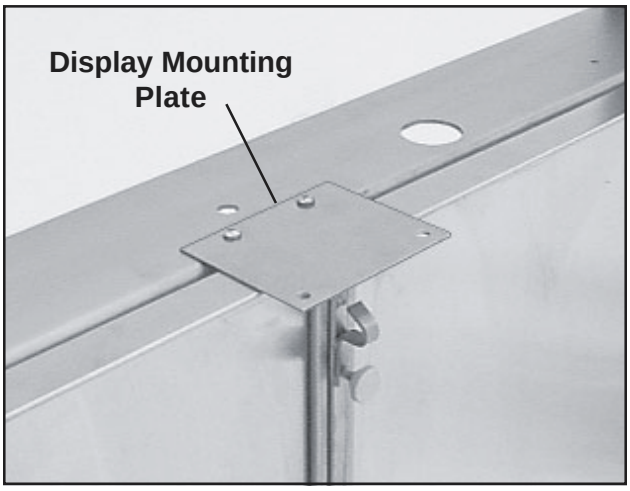

Figure 14. Mounting Plate on Sliding Carriage Cross Member

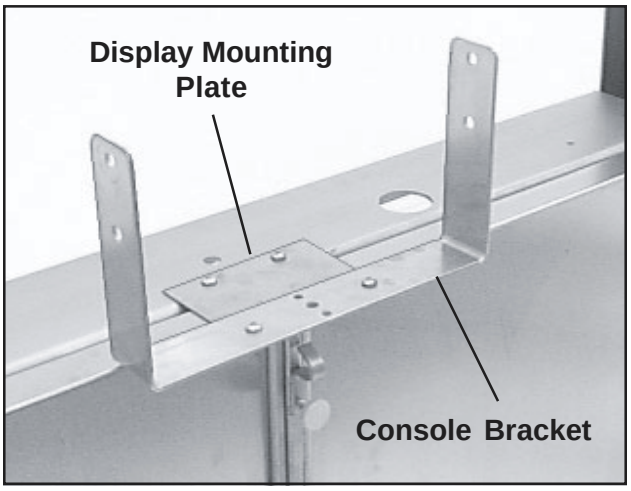

Figure 15. Mounting the Console Bracket on the Mounting Plate

3. Mount the display console to the console bracket with two plastic knobs (Figure 16).

4. Unwrap the display console cable from the hooks under the scale platform (Figure 17).

5. Place the electronic scale platform on the unit so that the load cells under the scale line up with the mounting holes on the unit frame (Figures 17, 18, and 19). Make sure that all four load cells rest on the frame arms and that the scale is stable and does not rock. **Note:** The display cable should exit to the rear to facilitate routing to the display console.

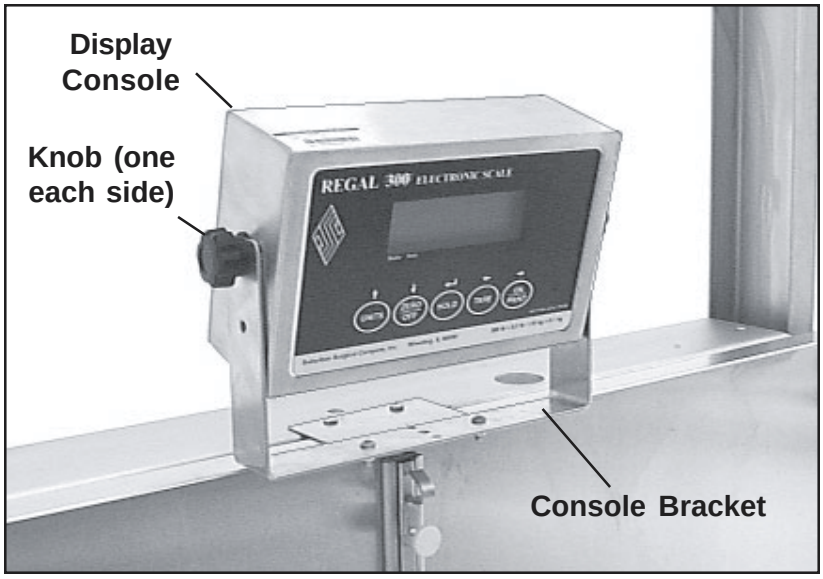

Figure 16. Mounting the Display to the Bracket

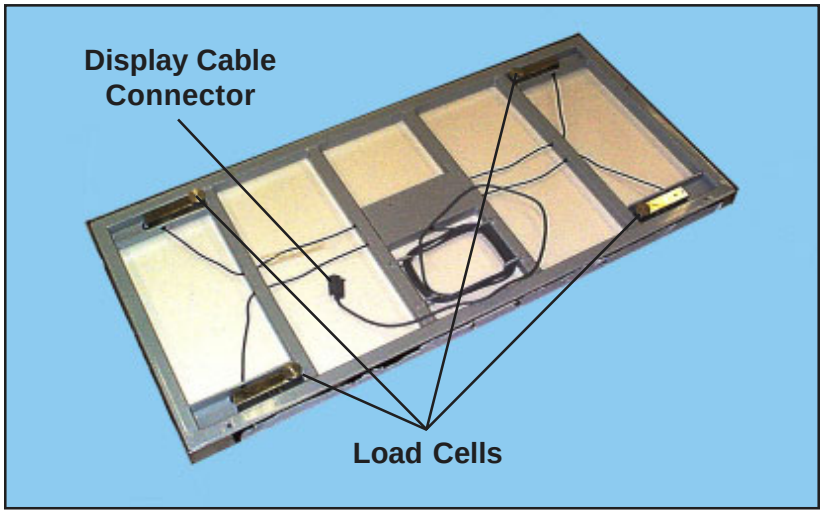

Figure 17. Underside of Electronic Scale Platform

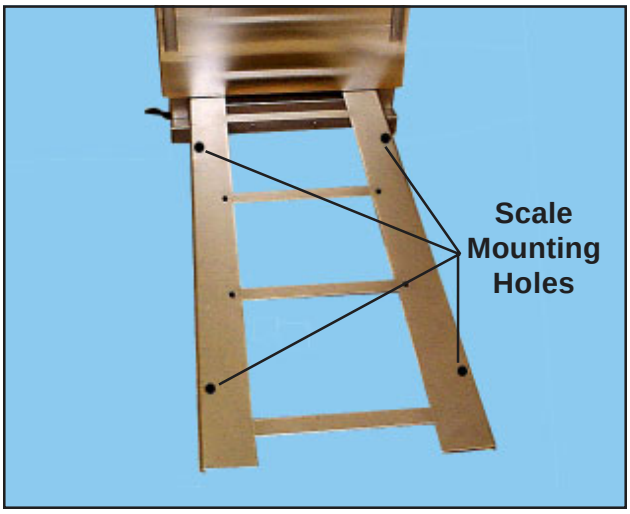

Figure 18. Longitudinal Electronic Scale Mounting Holes

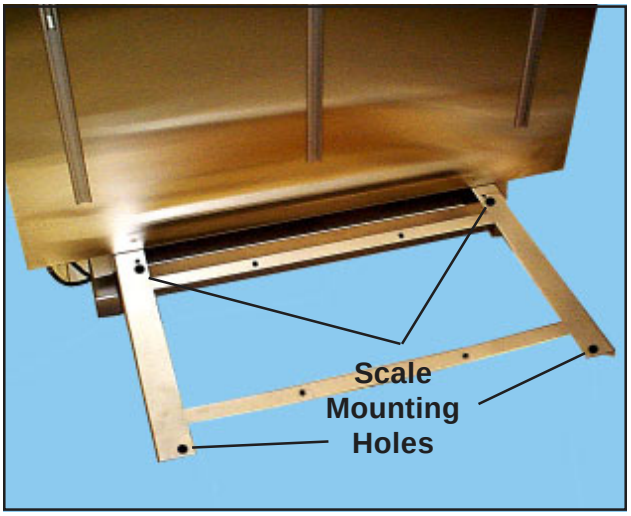

Figure 19. Lateral Electronic Scale Mounting Holes

CAUTION: **In *Step 6*, fasten the screws finger-tight only. If these screws are tightened down with a tool the weight readings on the scale can be distorted.**

6. Secure the scale to the frame with four 1/4-20 x 5/8" screws and flat washers.

7. Thread the display cable up through the large holes in the cross members of the sliding carriage.

8. Plug the display cable 9-pin connector into the terminal on the display console and secure with the two locking screws.

9. Plug the AC adapter cable into the bottom of the display console. Leave the other end of the cable loose so that you can plug it in when necessary to recharge the console.

10. If desired, mount one or more self-adhesive plastic cable clamps to the rear of the table back panel to secure the display cable.

11. Rewrap any excess display cable back onto the storage hooks under the scale platform.

12. If desired, place the vinyl mat on the scale platform.

13. Peel the protective covering from the face of the display console.

14. Plug in the AC adapter cable. Refer to *Recharging the Scale Battery* on *Page 22*.

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 lift table to the manufacturer becomes necessary for repairs.

Chapter 3 - Operating & Cleaning

Introduction

Operating the Elite Lift Table is very simple. The following instructions cover:

Operating the Lift Table

Raising & Lowering the Table

A two-position foot controller controls the up and down movement of the table (Figure 20).

- To raise the table, press the **UP** side of the foot controller.
- To lower the table, press the **DN** side of the foot controller.

Hold the pedal down until the table has reached the desired height, then release the pedal.

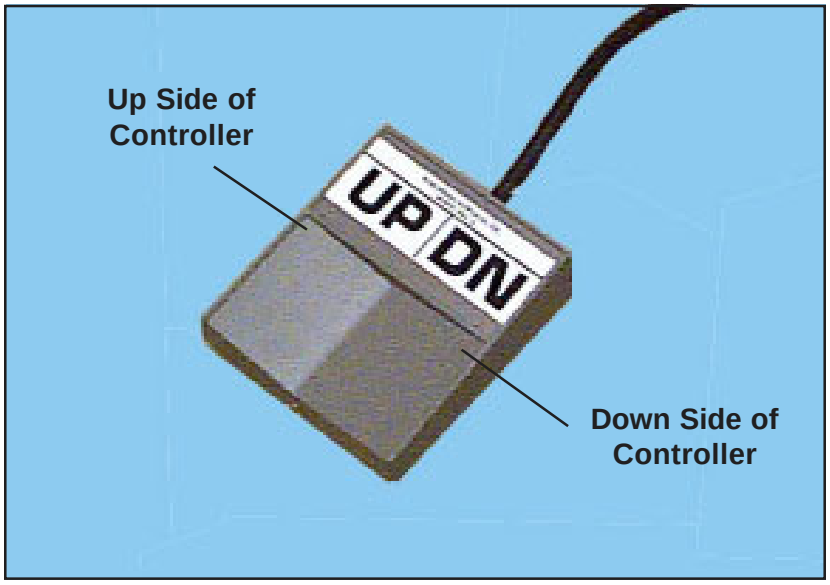

Figure 20. Foot Controller

Using the Restraint System

Upper and lower tie-downs are located on each side of the table (Figure 21) and provide a means of restraining a reluctant or frightened animal. On lateral models, a third tie-down is provided in the center.

Below the upper tie-down is a knurled knob. Loosening this knob allows a vertical slide, which holds the two tie-downs, to move up and down. After moving the vertical slide to a convenient height, tighten the knob to hold the slide firmly in place.

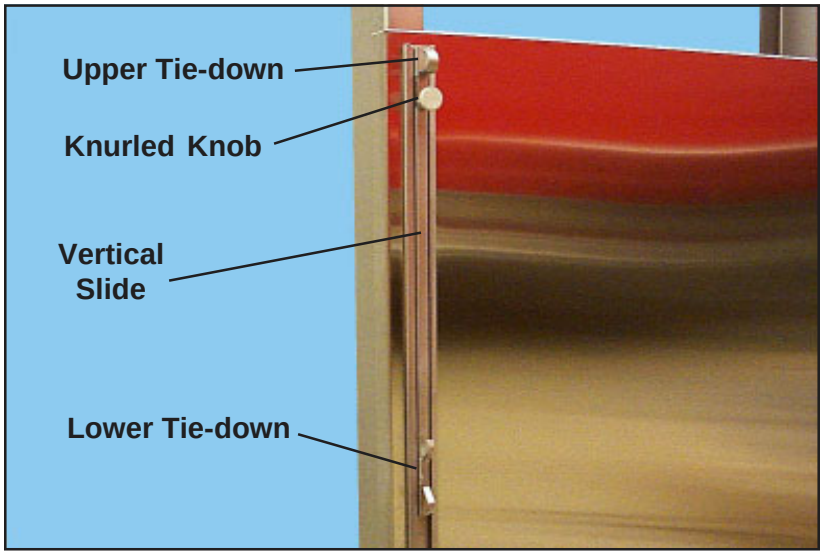

Figure 21. Restraint System Components

Recharging the Scale Battery - Electronic Scales ONLY

On a lift table equipped with an electronic scale, the scale battery will have to be recharged approximately weekly. This, of course, will depend on scale usage factors. If the AC adapter is not plugged in and the scale is left ON continuously, the battery will operate for about 15 hours. When the "Battery Low" icon appears in the upper left corner of the display readout, it is time to recharge the battery. You may not get accurate readings when the "Battery Low" icon is illuminated. For more information, refer to the *Owner's Manual* supplied with the scale.

To recharge the battery, plug the free end of the AC adapter cable into a standard 120 VAC outlet. It is OK to leave the AC adapter plugged in continuously - you cannot overcharge the battery and it will not damage the scale in any way.

We recommend that you leave the AC adapter plugged in continuously, or plug it in only when the Low Battery icon is displayed. Avoid constantly plugging and unplugging the AC adapter while the Battery Low icon is not displayed. This is very harmful to the battery and may result in early failure.

Connecting the Foot Controller to Either Side of the Lift Table

Normally the foot controller is connected to the front of the utility box. Tables can be ordered, however, with the foot controller on the left or right side, as desired by the customer. To switch the foot controller to the either side of the table, refer to *Foot Controller* on *Page 35*. This subsection describes how to replace a foot controller. Just follow these instructions, but, during the installation portion, bring the foot controller cable into the utility box from the desired side of the lift table.

Connecting the Electric Power Cord to the Opposite Side of the Lift Table

Normally the electric power cord is connected to the right side of the lift table. Tables can be ordered, however, with the power cord on the left or right side, as desired by the customer. To switch the power cord to the other side of the table, refer to *Electric Power Cord* on *Page 37*. This subsection describes how to replace a power cord. Just follow these instructions, but, during the installation portion, bring the power cord into the utility box from the opposite side of the lift table.

Periodic Maintenance

Other than cleaning the stainless steel surfaces of the lift table, the only periodic maintenance required is an annual cleaning and greasing of the threaded actuator shaft (Figure 22).

Over the course of a year, this shaft can pick up quantities of dirt, dust, animal hair, and other contaminants. About once a year, you should wipe this shaft clean and thoroughly coat it with a clean, light, automotive grease. After applying the grease to the shaft, run the table up and down several times to distribute the grease evenly over the shaft.

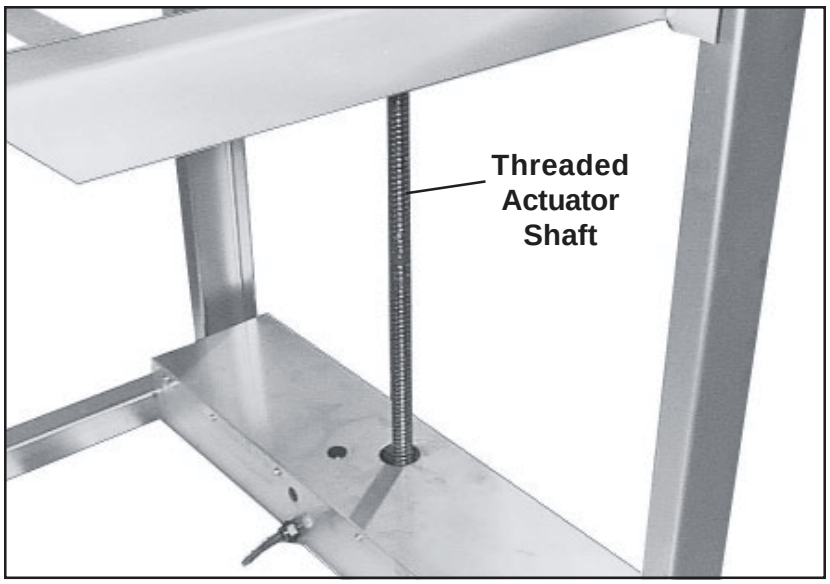

Figure 22. Threaded Actuator Shaft

Cleaning the Lift Table

Introduction

You will no doubt want to clean your Elite Lift Table 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 with clear water and dry thoroughly with clean, soft cloths.

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 lift table.

Refer to *Care & Cleaning of Stainless Steel* on *Page 4* for more detailed information.

CAUTION: **Failure to follow the above cleaning instructions can void your warranty.**

Chapter 4 - Repairs & Replacements

Replacement Parts

Table 3 lists the replacement parts available for the Elite Lift Table. 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	Replacement Instructions
Elite Lift Tables		
Electric Actuator Assembly	215450	*Page 27*
Instrument Plate Assembly	215451	*Page 32*
Foot Controller	209240	*Page 35*
Electric Power Cord	212194	*Page 37*
Motor	854799	*Page 39*
Motor Coupling	854196	*Page 41*
Brake	853695	*Page 43*
Table Tops		
Exam Top	18070-00-GYADDG	*Page 45*
Electronic Scale	12451-01-GZAHDH	*Page 46*

Table 3. Replacement Parts Available for SSCI Elite Lift Tables

General

- Many threaded fasteners used on SSCI products are secured with thread adhesive to insure structural integrity. Removing any screw or bolt may be difficult at first.
- 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 6* 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

Replacement Procedures

These instructions in this chapter guide you in replacing missing, worn, or damaged parts in both lateral and longitudinal lift tables, and in both floor-standing and wall-mount tables.

Electric Actuator Assembly

P/N 215450

Overview

The electric actuator assembly includes the actuator shaft assembly, geabox, and motor (Figure 23).

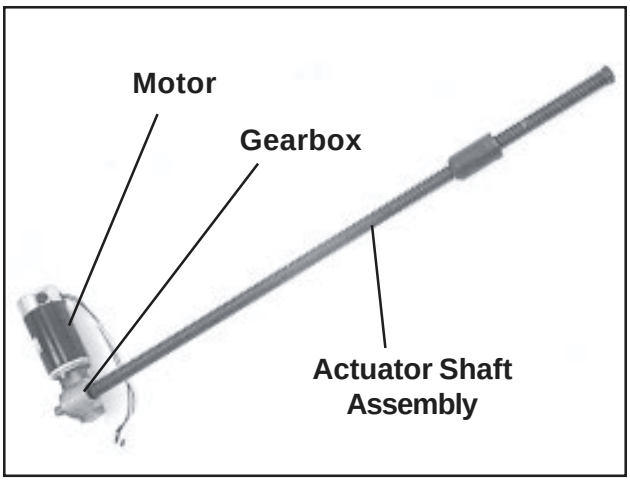

Figure 23. Actuator Shaft & Motor (removed from table)

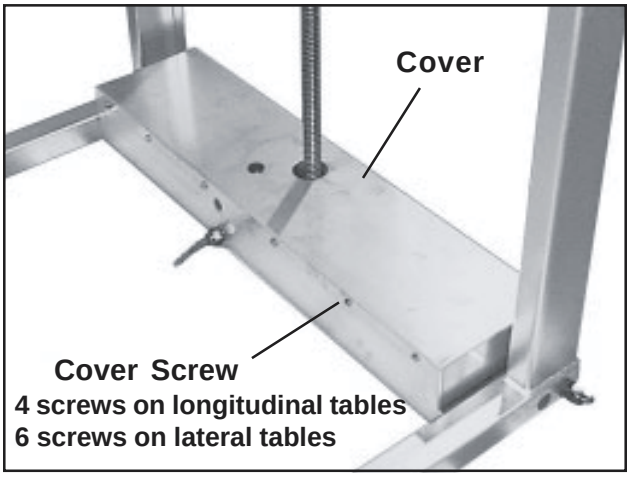

Figure 24. Utility Box Cover & Screws

Tools & Supplies Required

- 1/2 in. wrench
- Two 9/16 in. wrenches
- 5/16 in. hex key (Allen wrench)
- 1/4 in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2 x 4s, 33.5 in. long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. Raise the table as high as it will go.

2. Unplug the electric power cord.

3. If the table is wall-mounted, remove it from the wall to gain access to the actuator.

CAUTION: **In the next two steps you will remove the utility box cover and expose electrical components in the utility box. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.**

4. With a Phillips screwdriver, remove the utility box cover screws (Figure 24).

5. Lift off the utility box cover and, to keep it out of your way, tape or tie it to the center crossbar in back of the table.

WARNING: **The electric actuator is all that holds the table in its raised position. If the actuator is removed while the table is raised, the table top will fall suddenly with considerable force. A high potential exists for injury to you or damage to the equipment. Brace the table securely, as instructed in *Step 6*, before removing the actuator.**

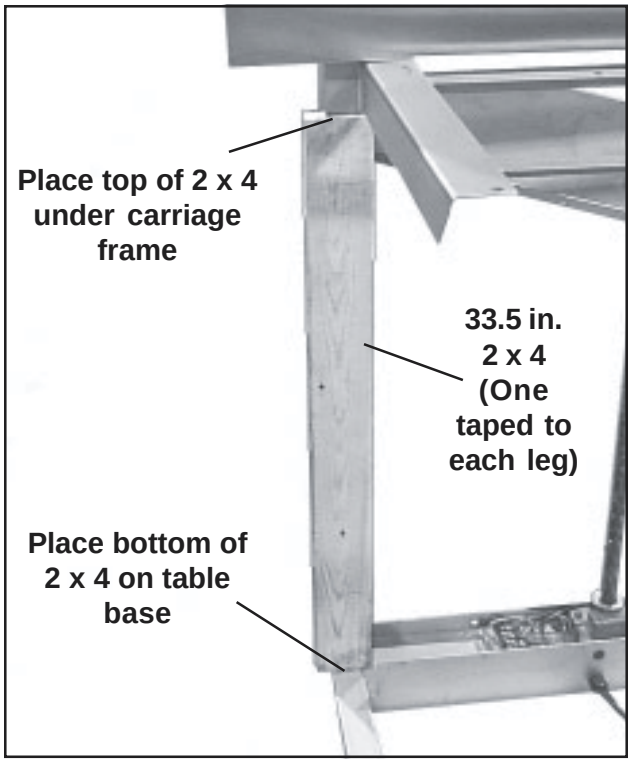

Figure 25. 2 x 4 Taped to Table Leg

6. Tape two 33.5 in. long 2 x 4s to the table legs. Each 2 x 4 should fit between the base of the table and the bottom of the carriage frame (Figure 25). Use any kind of tape as long as it holds the 2 x 4s firmly in place (electrical tape, fibre tape, duct tape, etc.). **Note:** Do not place the lower ends of the 2 x 4s inside the utility box where they might damage internal components or wiring.

7. Plug in the electric power cord.

8. Lower the table so that it rests on the 2 x 4s.

9. Unplug the electric power cord.

10. With a Phillips screwdriver, remove the green motor wire from the mounting screw on the instrument plate assembly (Figure 27).

11. With a Phillips screwdriver, disconnect the white motor wire from the relay block on the instrument plate assembly (Figure 27).

12. With a Phillips screwdriver, disconnect the black motor wire from the relay block on the instrument plate assembly (Figure 27).

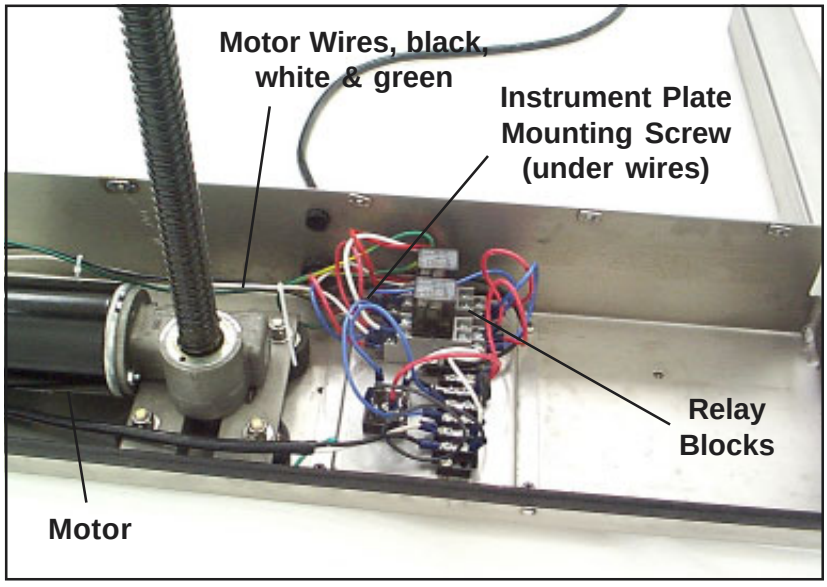

Figure 26. Motor Wire Connections

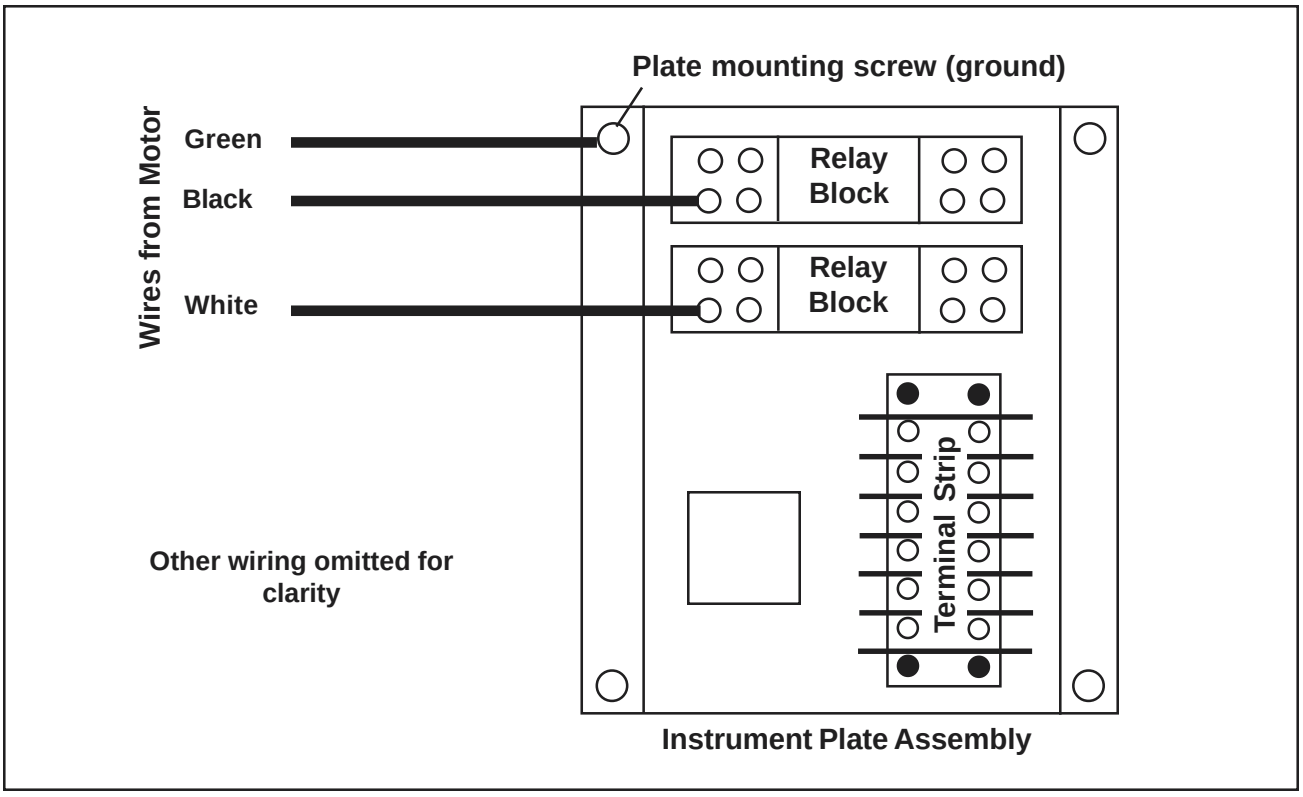

Figure 27. Motor Wire Connections to the Instrument Plate Assembly

13. With a 1/2 in. wrench, unscrew the four lower actuator mounting nuts (Figure 28).

14. With a 1/2 in. wrench remove the two upper actuator screws (Figure 29).

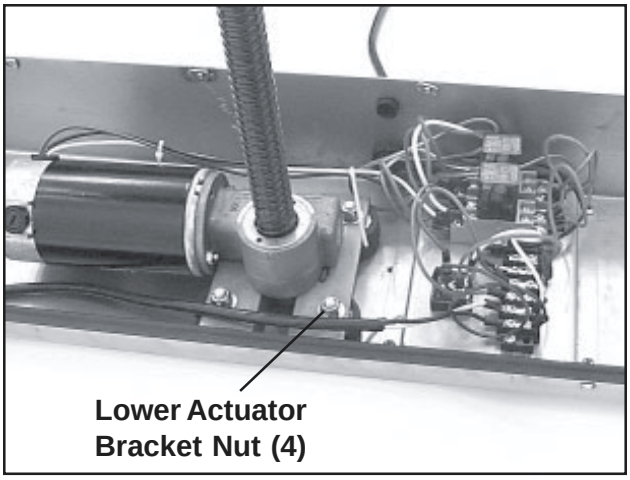

Figure 28. Lower Actuator Bracket Bolts

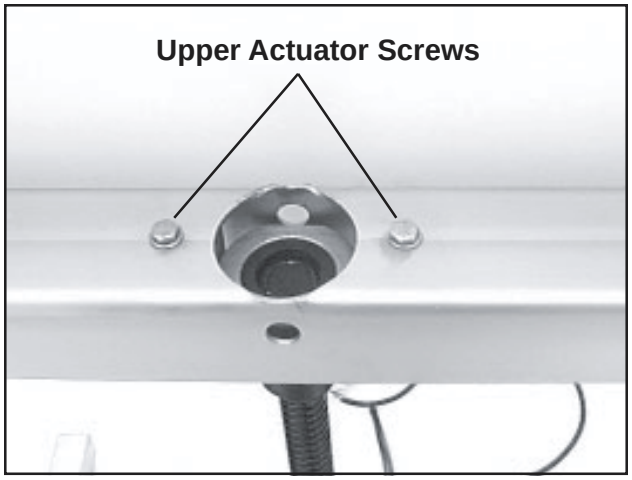

Figure 29. Upper Actuator bolts

15. Lift out the actuator assembly.

16. With a 5/16 in. Allen wrench, unscrew the two bolts that hold the L-brackets to the collar, and remove the brackets (Figure 30).

17. Slide the collar off the shaft nut and the actuator threaded shaft (Figure 31).

18. With two 9/16 in. wrenches, remove the screw and nut on the lower mounting brackets and remove the brackets (Figure 32).

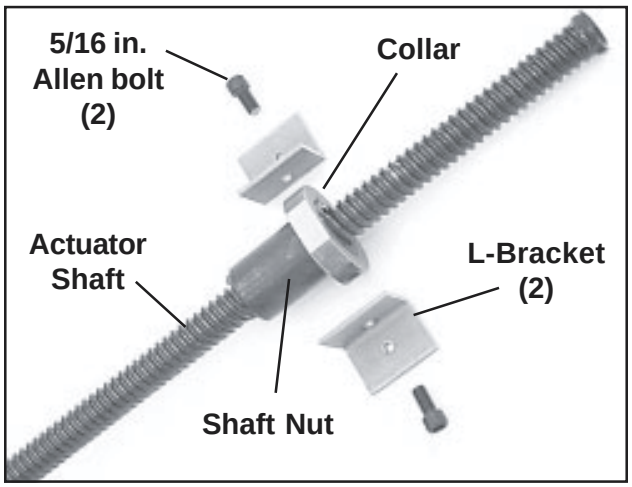

Figure 30. Top End of Actuator (removed from table)

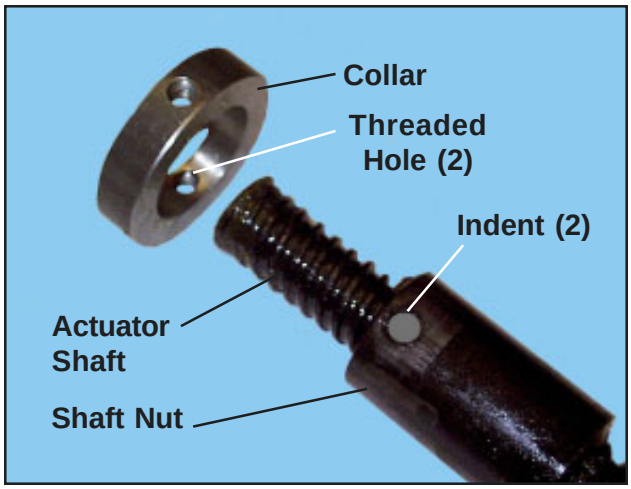

Figure 31. Mounting the Collar to the Shaft Nut

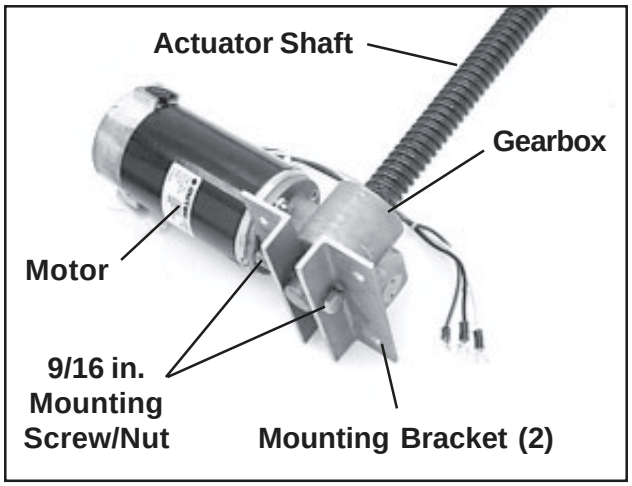

Figure 32. Bottom End of Actuator

Installation

1. Mount the two mounting brackets to the gearbox with the 9/16 in. bolt and lock nut removed above (Figure 32).

2. Slide the collar onto the shaft nut on the actuator threaded shaft (Figure 31).

3. Align the two threaded holes in the collar with the two indents on the shaft nut.

4. Mount the two L-brackets to the collar with the 5/16 in. Allen bolts (Figure 30). The bolts should bottom out on the indents.

5. Pass the upper end of the actuator through the hole in the utility box cover and the center hole in the carriage frame.

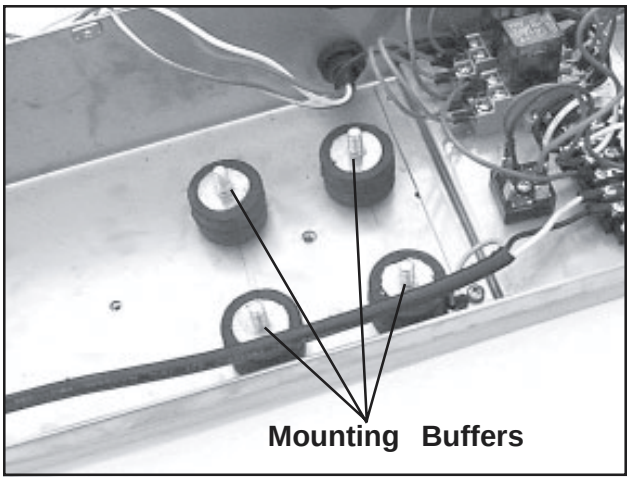

Figure 33. Mounting Buffers in the Utility Box

6. Set the lower end of the motor/actuator unit into the table with the lower brackets on the four mounting buffers in the utility box (Figure 33).

7. Mount the lower brackets to the mounting buffers with the four 1/2 in. nuts removed above.

8. Attach the upper end of the actuator shaft to the crossbar with the two 1/2 in. screws removed above (Figure 29).

9. Connect the green motor wire to the mounting screw on the instrument plate assembly (Figure 27).

10. Connect the white motor wire to the relay block on the instrument plate assembly (Figure 27).

11. Connect the black motor wire to the relay block on the instrument plate assembly (Figure 27

12. Plug in the electric power cord.

13. Raise the table slightly to remove the pressure on the 2 x 4s.

14. Unplug the electric power cord.

15. Untape and remove the two 2 x 4s.

16. Plug in the electric power cord.

17. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

18. Replace the utility box cover (Figure 24) and secure the cover with the screws removed earlier.

19. If the table is wall-mounted, replace it on the wall.

Instrument Plate Assembly

P/N 215451

Overview

In the Elite Lift Table, most problems with electronics requires the replacement of the instrument plate assembly (figure 34). The individual components on this assembly are not field replaceable - the entire assembly must be replaced as a single package.

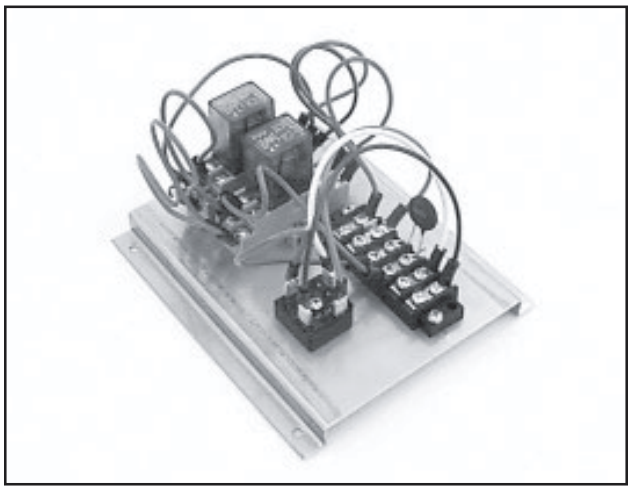

Figure 34. Instrument Plate Assembly

Tool Required

- Phillips screwdriver

Removal

CAUTION: **Make sure the electric power cord is unplugged before starting this procedure.**

1. Unplug the electric power cord.

CAUTION: **In the next two steps you will remove the utility box cover and expose electrical components in the utility box. Use caution around the electric wiring and components to prevent injury to yourself and/or damage to the equipment.**

2. With a Phillips screwdriver, remove the utility box cover screws (Figure 24).

3. Lift off the utility box cover and, to keep it out of your way, tape or tie it to the center crossbar in back of the table.

Motor Wires (refer to Figure 27)

4. With a Phillips screwdriver, remove the green motor wire from the mounting screw on the instrument plate assembly.

5. With a Phillips screwdriver, disconnect the white motor wire from the relay block on the instrument plate assembly.

6. With a Phillips screwdriver, disconnect the black motor wire from the relay block on the instrument plate assembly.

Foot Controller Wires (refer to Figure 38)

7. With a Phillips screwdriver, remove the green/yellow foot controller wire from the mounting screw (ground) on the instrument plate assembly.

8. With a Phillips screwdriver, disconnect the red foot controller wire from the relay block on the instrument plate assembly.

9. With a Phillips screwdriver, disconnect the white foot controller wire from the relay block on the instrument plate assembly.

10. With a Phillips screwdriver, disconnect the black foot controller wire from the terminal strip on the instrument plate assembly.

Electric Power Cord Wires (refer to Figure 39)

11. With a Phillips screwdriver, remove the green power cord wire from the mounting screw (ground) on the instrument plate assembly.

12. With a Phillips screwdriver, disconnect the white power cord wire from the terminal strip on the instrument plate assembly.

13. With a Phillips screwdriver, disconnect the black power cord wire from the terminal strip on the instrument plate assembly).

14. With a Phillips screwdriver, unscrew the four mounting screws on the instrument plate assembly (Figure 35).

15. Lift the plate assembly out of the utility box.

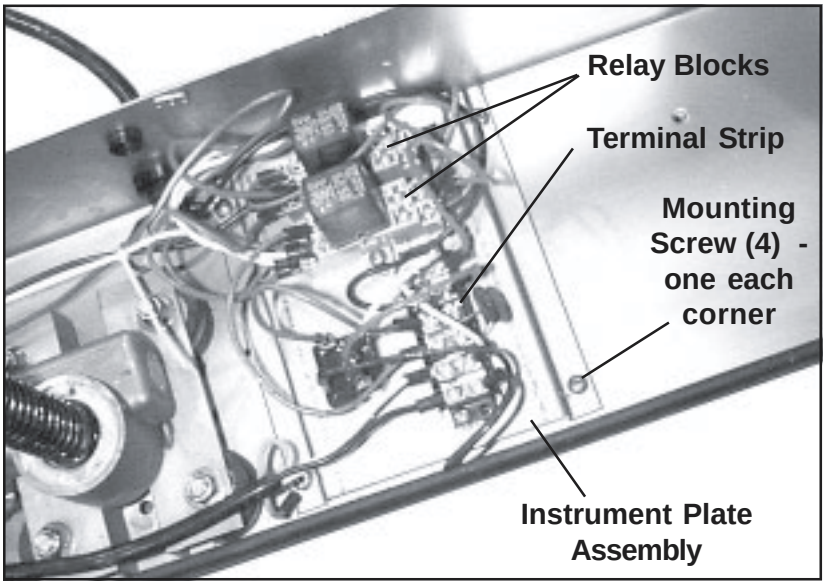

Figure 35. Instrument Plate Assembly & Mounting Screws

Installation

1. Set the new instrument plate assembly into the utility box (Figure 34).

2. Secure the assembly with the four screws removed above.

Electric Power Cord Wires (refer to Figure 39)

3. Connect the black power cord wire to the terminal strip on the instrument plate assembly.

4. Connect the white power cord wire to the terminal strip on the instrument plate assembly.

5. Connect the green power cord wire to the mounting screw (ground) on the instrument plate assembly.

Foot Controller Wires (refer to Figure 38)

6. Connect the black foot controller wire to the terminal strip on the instrument plate assembly.

7. Connect the white foot controller wire to the relay block on the instrument plate assembly.

8. Connect the red foot controller wire to the relay block on the instrument plate assembly.

9. Connect the green/yellow foot controller wire to the mounting screw (ground) on the instrument plate assembly .

Motor Wires (refer to Figure 27)

10. Connect the black motor wire to the relay block on the instrument plate assembly .

11. Connect the white motor wire to the relay block on the instrument plate assembly.

12. Connect the green motor wire to the mounting screw on the instrument plate assembly.

13. Plug in the electric power cord.

14. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

15. Replace the utility box cover (Figure 24) and secure the cover with the screws removed earlier.

Foot Controller

P/N 209240

Tools Required

- 1 in. open-end wrench
- Phillips screwdriver

Removal

CAUTION: **Make sure the electric power cord is unplugged before starting this procedure.**

1. Unplug the electric power cord.

CAUTION: **In the next two steps you will remove the utility box cover and expose electrical components in the utility box. Use caution around the electric wiring and components to prevent injury to yourself and/or damage to the equipment.**

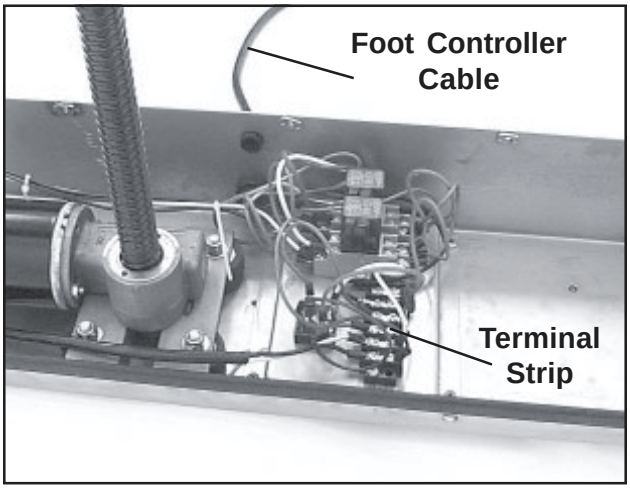

Figure 36. Terminal Strip

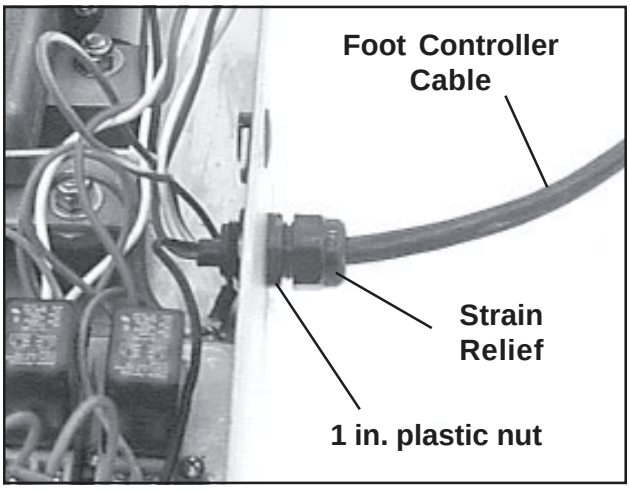

Figure 37. Foot Controller Cable Strain Relief & Nut

2. With a Phillips screwdriver, remove the utility box cover screws (Figure 24).
3. Lift off the utility box cover and, to keep it out of your way, tape or tie it to the center crossbar in back of the table.
4. With a Phillips screwdriver, remove the green/yellow foot controller wire from the mounting screw (ground) on the instrument plate assembly (Figure 38).
5. With a Phillips screwdriver, disconnect the red foot controller wire from the relay block on the instrument plate assembly (Figure 38).
6. With a Phillips screwdriver, disconnect the white foot controller wire from the relay block on the instrument plate assembly (Figure 38).
7. With a Phillips screwdriver, disconnect the black foot controller wire from the terminal strip on the instrument plate assembly (Figure 38).
8. With a 1 in. open-end wrench, unscrew the black plastic strain relief (Figure 37).

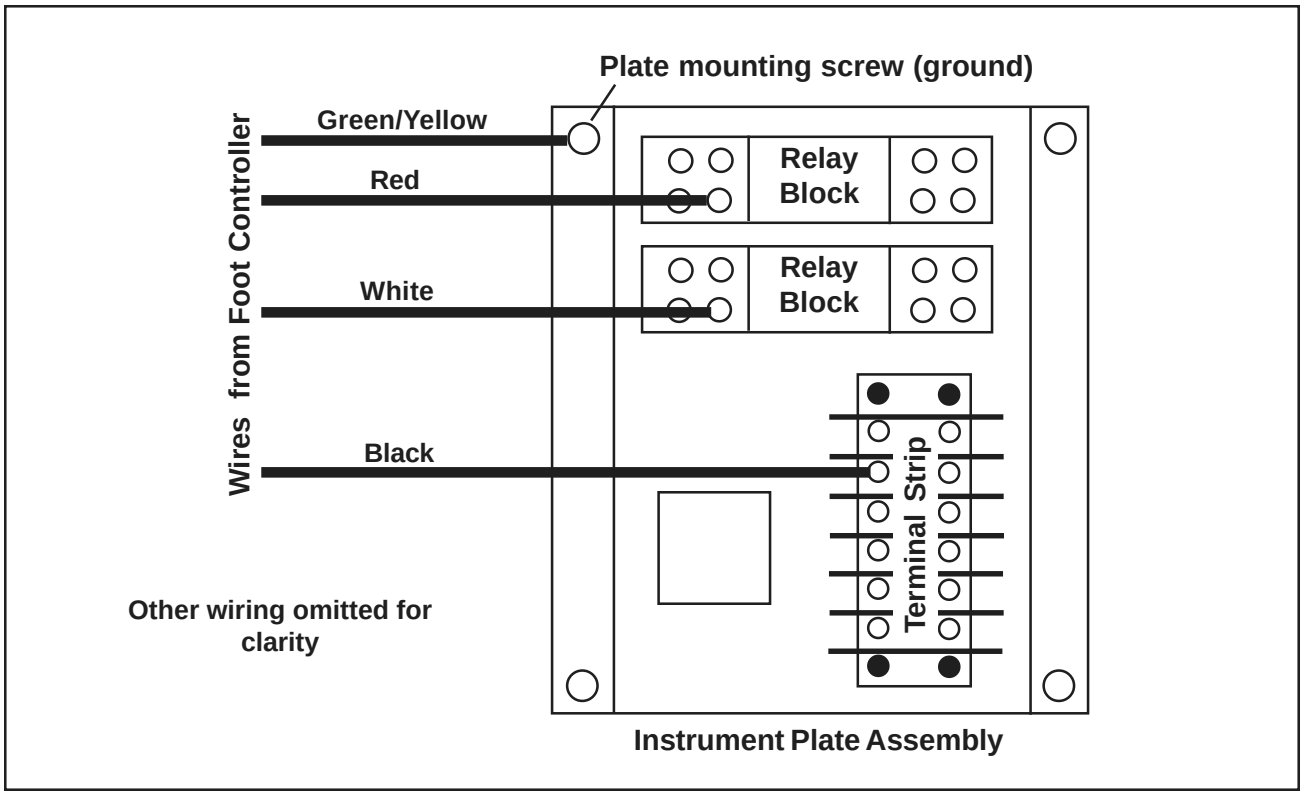

Figure 38. Foot Controller Wire Connections to the Instrument Plate Assembly

9. With a 1 in. open-end wrench, unscrew the black plastic nut behind the strain relief.

10. Pull the foot controller cable and wires out of the unit.

Installation

1. Feed the end of the new foot controller cable through the strain relief, then through the plastic nut.

2. Feed the end of the foot controller cable through the hole in the table frame and into the utility box.

3. Screw the plastic nut into the table frame and tighten.

4. Screw the strain relief into the plastic nut and tighten.

5. Connect the black foot controller wire to the terminal strip on the instrument plate assembly (Figure 38).

6. Connect the white foot controller wire to the relay block on the instrument plate assembly (Figure 38).

7. Connect the red foot controller wire to the relay block on the instrument plate assembly (Figure 38).

8. Connect the green/yellow foot controller wire to the mounting screw (ground) on the instrument plate assembly (Figure 38).

9. Plug in the electric power cord.

10. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

11. Replace the utility box cover (Figure 24) and secure the cover with the screws removed earlier.

Electric Power Cord

P/N 212194

Tools Required

- 1 in. open-end wrench
- Phillips screwdriver

Removal

CAUTION: **Make sure the electric power cord is unplugged before starting this procedure.**

1. Unplug the electric power cord.

CAUTION: **In the next two steps you will remove the utility box cover and expose electrical components in the utility box. Use caution around the electric wiring and components to prevent injury to yourself and/or damage to the equipment.**

2. With a Phillips screwdriver, remove the utility box cover screws (Figure 24).

3. Lift off the utility box cover and, to keep it out of your way, tape or tie it to the center crossbar in back of the table.

4. With a Phillips screwdriver, remove the green power cord wire from the mounting screw (ground) on the instrument plate assembly (Figure 39).

5. With a Phillips screwdriver, disconnect the white power cord wire from the terminal strip on the instrument plate assembly (Figure 39).

6. With a Phillips screwdriver, disconnect the black power cord wire from the terminal strip on the instrument plate assembly (Figure 39).

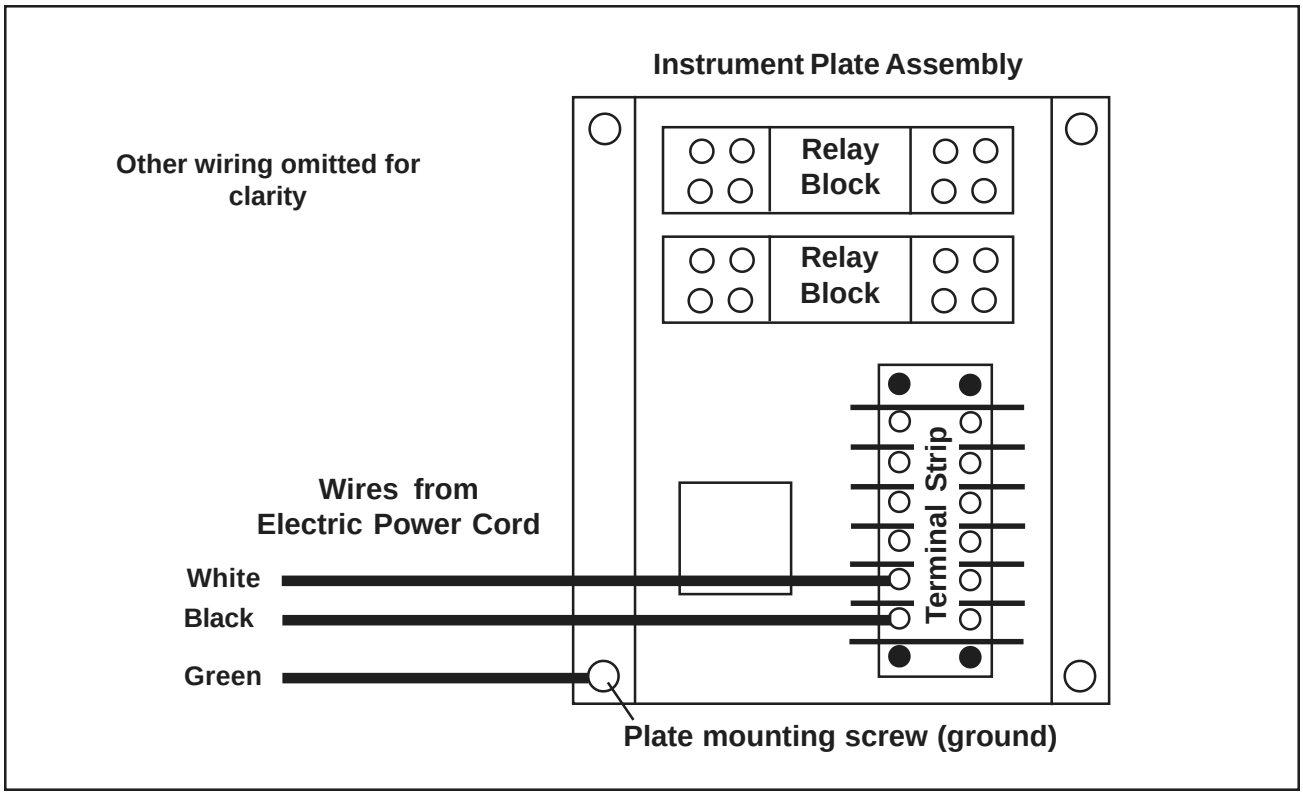

Figure 39. Electric Power Cord Wire Connections to the Instrument Plate Assembly

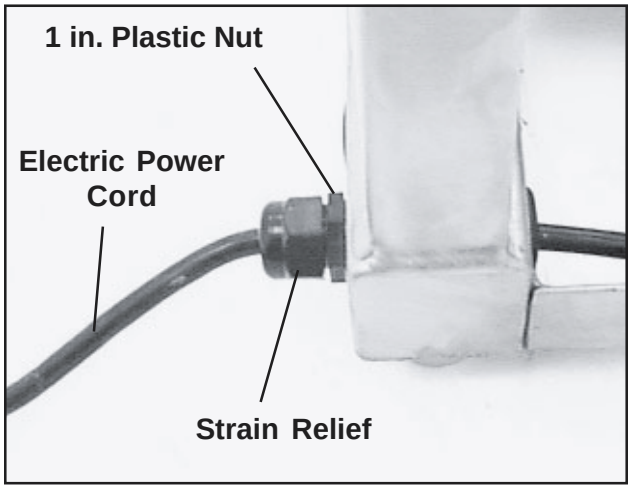

Figure 40. Electric Power Cord, Strain Relief & Nut

7. With a 1 in. open-end wrench, unscrew the black plastic strain relief (Figure 40).

8. With a 1 in. open-end wrench, unscrew the black plastic nut behind the strain relief.

9. Pull the power cord cable and wires out of the unit.

Installation

1. Feed the end of the new power cord through the round head strain relief, then through the plastic nut.

2. Feed the end of the power cord cable through the holes in the table frame and into the utility box.

3. Screw the plastic nut into the table frame and tighten.

4. Connect the green power cord wire to the mounting screw (ground) on the instrument plate assembly (Figure 39).

5. Connect the white power cord wire to the terminal strip on the instrument plate assembly (Figure 39).

6. Connect the black power cord wire to the terminal strip on the instrument plate assembly (Figure 39).

7. Plug in the electric power cord.

8. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

9. Replace the utility box cover (Figure 24) and secure the cover with the screws removed earlier.

Motor
P/N 854799

Replacement of the motor requires removal of the electric actuator from the table. These instructions are for both lateral and longitudinal tables.

Tools & Supplies Required

- 3/8 in. wrench
- 1/2 in. wrench
- Two 9/16 in. wrenches
- 5/16 in. hex key (Allen wrench)
- 1/4 in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2 x 4s, 33.5 in. long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator Assembly - Removal - Steps 1* through *18*, starting on *Page 27*.

2. With a 3/8 in. wrench, remove the two nuts and lockwashers that hold the motor to the gearbox (Figure 41).

3. Pull the old motor away from the gearbox.

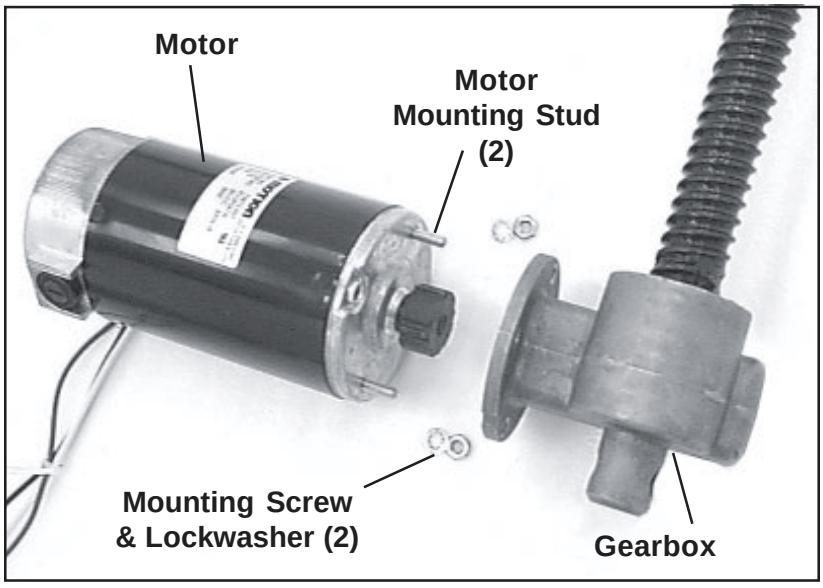

Figure 41. Motor Removed from Actuator Gearbox

Installation

1. Align the crossbar on the motor coupling with the slot in the gearbox brake (Figure 42) and mount the new motor to the gearbox.

2. Secure the motor to the gearbox with the two nuts/ lockwashers removed above.

3. Install the actuator assembly. Refer to *Electric Actuator Assembly - Installation, - Steps 1* through *19,* starting on *Page 30*.

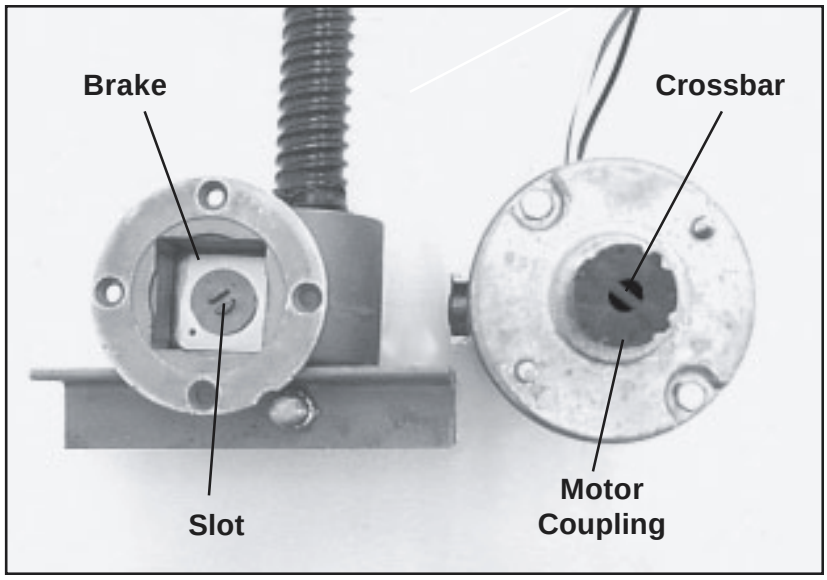

Figure 42. Motor to Gearbox Alignment

Motor Coupling

P/N 854196

Replacement of the motor coupling requires removal of the electric actuator from the table. These instructions are for both lateral and longitudinal tables.

Tools & Supplies Required

- 3/8 in. wrench
- 1/2 in. wrench
- Two 9/16 in. wrenches
- 5/16 in. hex key (Allen wrench)
- 1/4 in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2 x 4s, 33.5 in. long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator - Removal - Steps 1* through *19*, starting on *Page 27*.

2. With a 3/8 in. wrench, remove the two nuts and lockwashers that hold the motor to the gearbox (Figure 41).

3. Pull the old motor away from the gearbox.

4. Pull the coupling off the motor shaft (Figure 43).

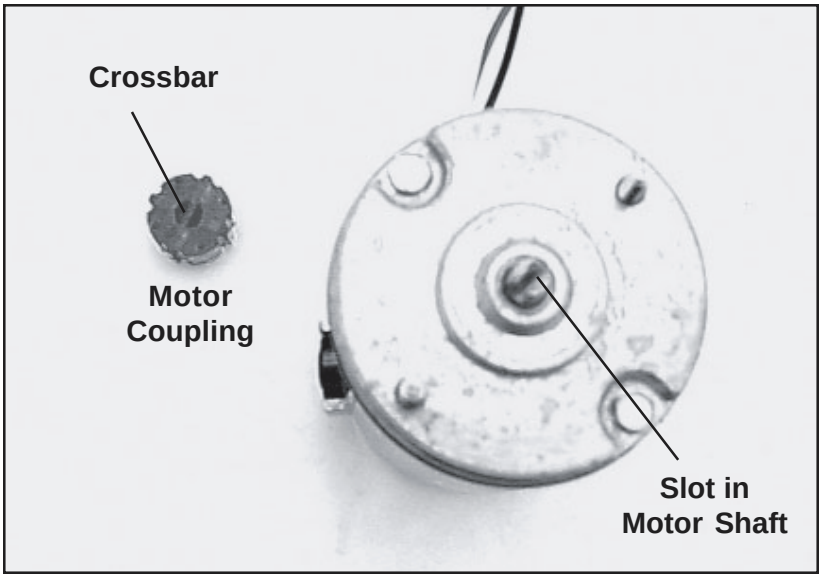

Figure 43. Motor Coupling to Motor Shaft Alignment

Installation

1. Align the crossbar on the motor coupling with the slot on the end of the motor shaft (Figure 43) and push the coupling onto the shaft. **Note:** The coupling is symmetrical; either side can be placed on the shaft.

2. Secure the motor to the gearbox with the two nuts/ lockwashers removed above.

3. Install the actuator assembly. Refer to *Electric Actuator - Installation - Steps 2* through *19*, starting on *Page 30*.

4. Plug in the electric power cord.

5. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

6. If the table is wall-mounted, replace it on the wall.

Brake

P/N 853695

Replacement of the brake requires removal of the electric actuator from the table. These instructions are for both lateral and longitudinal tables.

Tools & Supplies Required

- 3/8 in. wrench
- 1/2 in. wrench
- Two 9/16 in. wrenches
- 5/16 in. hex key (Allen wrench)
- 1/4 in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2 x 4s, 33.5 in. long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator - Removal - Steps 1* through *19*, starting on *Page 27*.

2. With a 3/8 in. wrench, remove the two nuts and lockwashers that hold the motor to the gearbox (Figure 41).

3. Pull the old motor away from the gearbox.

4. Unbend the outer tine of a paper clip. (The 1-3/4 in. long clips work just fine!) With a needle-nose pliers, bend the end of the paper clip to form about a 1/8 in. hook (Figure 44).

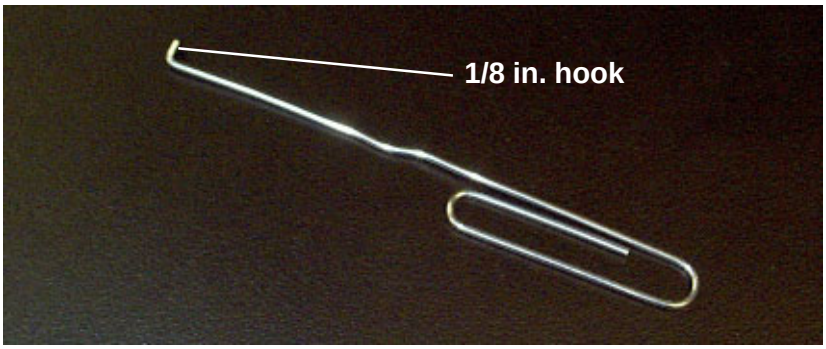

Figure 44. Paper Clip Tool for Removing Brake

4. Place the hook on your paper clip tool into the small hole in the brake, or under one of the corners, and pull the brake and the red rubber insulator out of the gearbox (Figure 45).

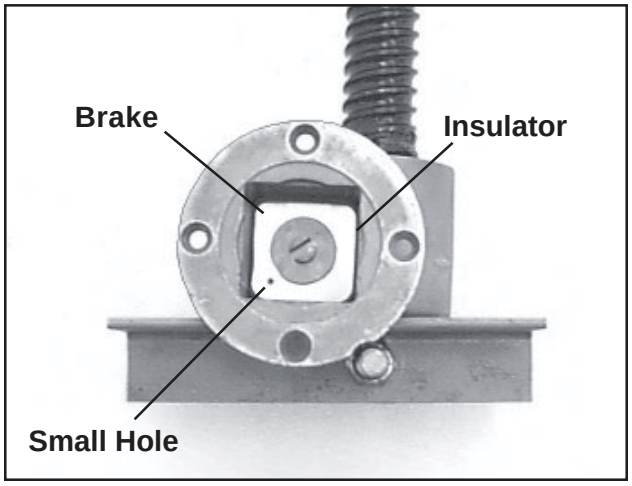

Figure 45. Brake in the Gearbox

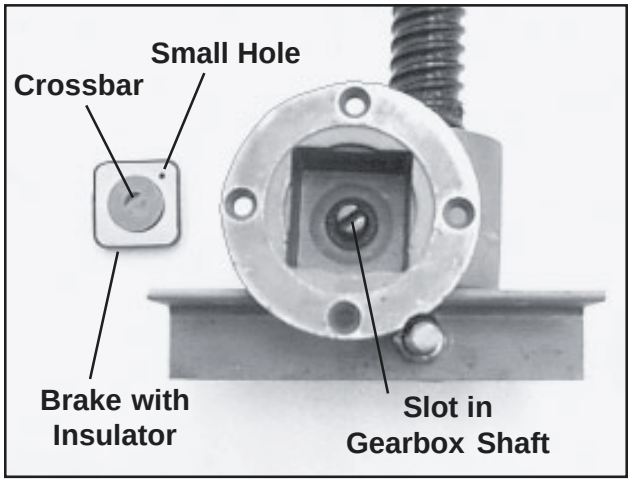

Figure 46. Brake & Gearbox

Installation

1. Rotate the gearbox shaft to align the slot in the end of the shaft with the crossbar on the brake (Figure 46).

2. Insert the brake into the gearbox and press it firmly into place. It must lay flat and not crooked or canted to one side.

3. Align the crossbar on the motor coupling with the slot in the gearbox brake (Figure 42) and mount the new motor to the gearbox.

4. Secure the motor to the gearbox with the two nuts/ lockwashers removed above.

5. Install the actuator assembly. Refer to *Electric Actuator - Installation - Steps 3* through *19*, starting on *Page 30*.

6. Plug in the electric power cord.

7. Test the table by pressing the foot controller pedals. The table should respond appropriately. If not, recheck your work and correct any problems.

8. If the table is wall-mounted, replace it on the wall.

Table Tops

Introduction

The following procedures guide you in removing and reinstalling the tops from the lift table to allow you to perform needed service or maintenance on the table.

- Exam Top - Below
- Electronic Scale - *Page 46*

***CAUTION:* The table top is heavy. Lifting it on or off the unit should be done by at least two people.**

Exam Top

P/N 18070-00-GYADDG

Tool Required

- 1/2 in. wrench

Removal

1. With a 1/2 in. wrench, remove the four nuts and washers from the mounting studs under the table top (Figure 47).

2. Lift the table top off the unit.

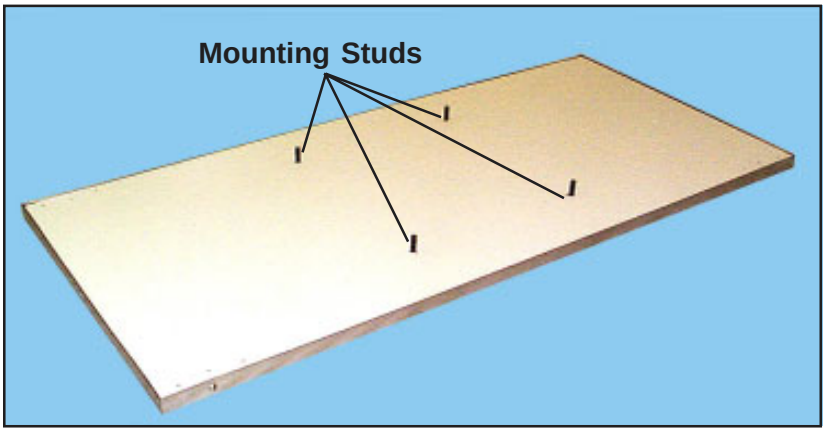

Figure 47. Underside of Exam Top Showing Studs

Installation

1. Place the table top on the unit so that the mounting studs under the top enter the matching holes on the unit frame (Figures 47, 48, and 49).

2. Secure the top to the frame with the four nuts and washers.

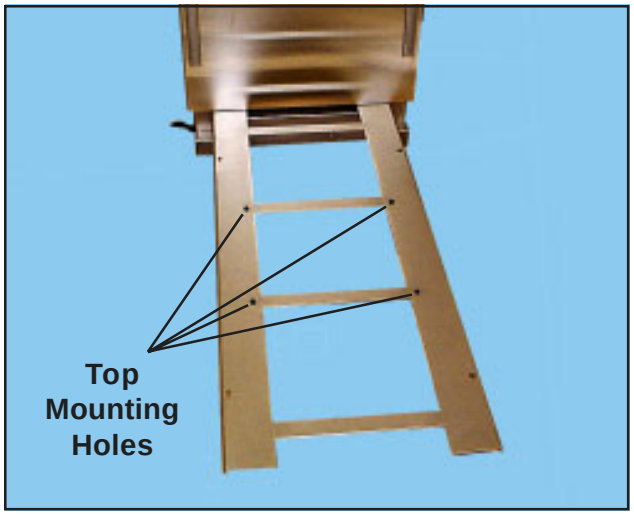

Figure 48. Longitudinal Exam Top Mounting Holes

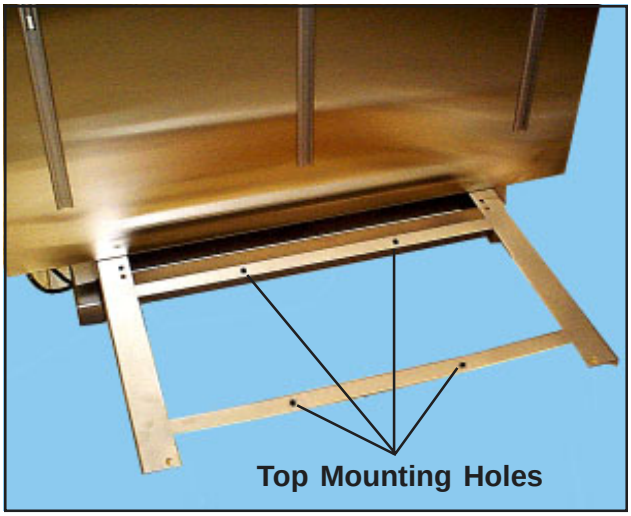

Figure 49. Lateral Exam Top Mounting Holes

Electronic Scale

P/N 12451-01-GZAHDH

Overview

For repairs or parts replacement for the Regal 300 Scale, refer to the *Owner's Manual* supplied with the scale.

Tool Required

- Flat-blade screwdriver

Removal

1. Unplug the display cable from the bottom of the display console (Figure 50).

2. Unplug the AC adapter/charger cable (if connected) from the bottom of the display console.

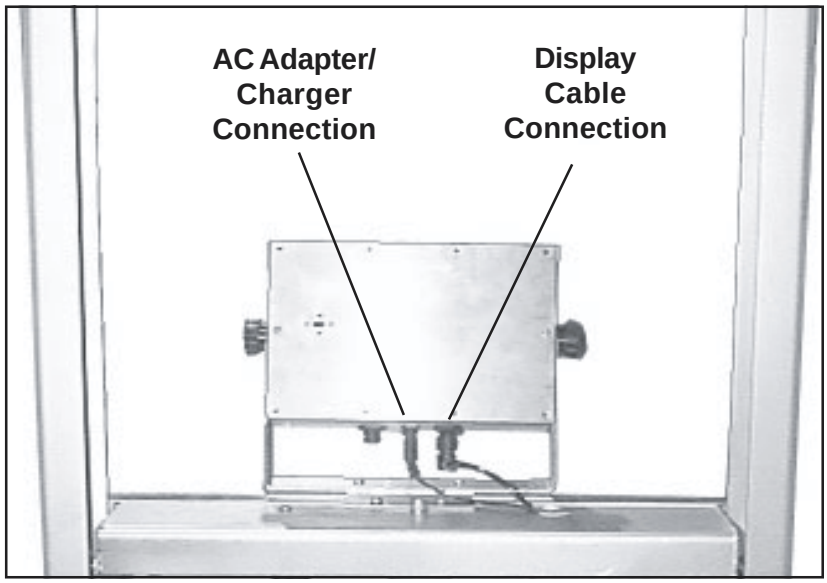

Figure 50. Cable Connections on Scale Display Console

3. Feed the display and AC adapter/charger cables down through the upper crossmember and out to the scale platform.

4. With a flat-blade screwdriver, remove the four mounting screws and washers that hold the load cells to the table arms (Figure 51).

5. Lift the scale off the unit.

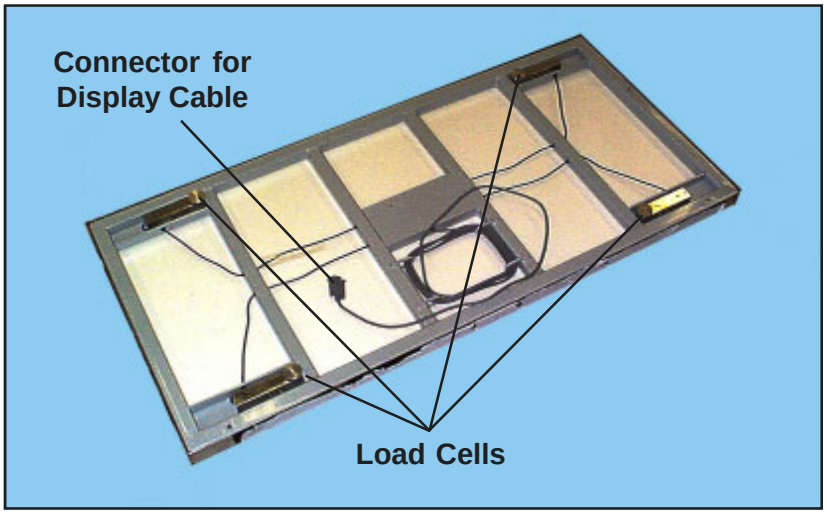

Figure 51. Underside of Electronic Scale

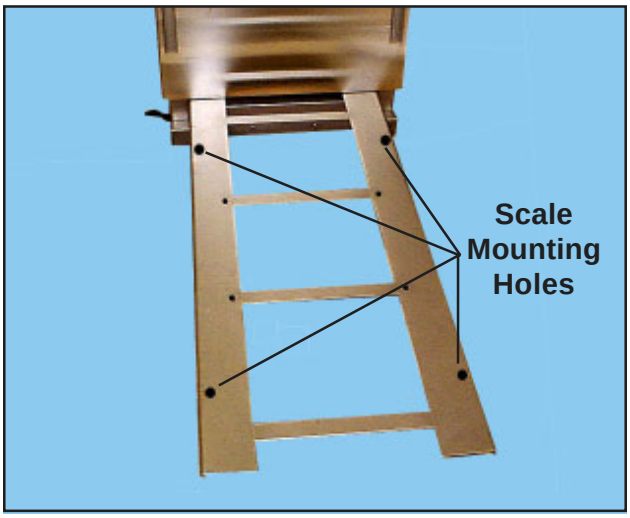

Figure 52. Longitudinal Electronic Scale Mounting Holes

Figure 53. Lateral Electronic Scale Mounting Holes

Installation

1. Place the scale on the unit so that the load cells under the scale line up with the mounting holes on the unit frame (Figures 51, 52, and 53). Make sure that all four load cells rest on the frame arms and that the scale is stable and does not rock. **Note:** The display cable should exit to the rear for convenient routing to the display console.

CAUTION: **In *Step 2*, fasten the screws finger-tight only. If these screws are tightened down with a tool the weight readings on the scale can be distorted.**

2. Secure the scale to the frame with the four screws and washers.

3. Thread the display and AC adapter/charger cables up through the large hole in the upper cross member.

4. Plug the display cable into the its terminal on the display console (Figure 50).

4. Plug the AC adapter/charger cable (if used) into the its terminal on the display console (Figure 50).

Chapter 5 - Troubleshooting

General

The following procedures will help you fix most of the problems that you might encounter with the Elite Lift Table. 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 *SSCI Contact Information* on *Page 6*.

Part numbers for available replacement parts are shown in Table 3 on *Page 25*. To order replacement parts, refer to *Parts Ordering Procedure* on *Page 26*.

Possible problems are listed below along with their page references:

CAUTION: **When working with electric wiring and connections, make sure the electric power cord is unplugged unless told to plug it in by the instructions.**

Returning the Lift Table for Repairs

RMA Numbers

If your lift table 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 them before shipping the unit back. **Note:** Merchandise returned without an RMA number will not be accepted.

Packing & Shipment

If you were able to keep the lift table shipping carton and pallet, repack the table 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 back without a carton. The table must, however, be shipped on a pallet. Tables 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 including:

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

The table will not raise or lower.

Remedial Action

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

Second: Make sure that you have electrical power to the table. Check the fuses or circuit breakers in the office electrical panel. If you have blown a fuse or tripped a circuit breaker, it may mean that you are trying to lift too heavy a load on the table. The table's maximum load limitation is 300 lb (136 kg). Refer to *Load Weight Limitations* on *Page 5*.

Third: 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.

Fourth: Check to see if there is any obstruction to the foot controller pedal. Clear any blockage you find and try operating the table again.

Fifth: Check the electric power cord for damage. To replace the electrical power cord, refer to *Page 37*.

To order a new electric power cord, contact SSCI Customer Service and order P/N 212194.

Sixth: If the table has recently been shipped, open the utility box (*Page 27*) and check the two square black relays (*Page 28*). It is possible that they were jarred during shipping. Press them firmly back into place.

Seventh: The foot controller may be malfunctioning. To replace a foot controller, refer to *Page 35*.

To order a new foot controller, contact SSCI Customer Service and order P/N 209240.

Eighth: The problem may be in the table electronics. To replace the instrument plate assembly, refer to *Page 32*.

To order a new instrument plate assembly, call SSCI Customer Service and order P/N 215451.

The table makes grinding noise when raising and/or lowering.

Remedial Action

First: Make sure you are not trying to lift loads heavier than the table's maximum lift weight of 300 lb (136 kg). If you are trying to lift heavier loads, you are placing extra strain on the table lifting mechanism and structure. Refer to *Load Weight Limitations* on *Page 5*.

Second: The table may be out of level. This is most likely to be the case if the table was recently installed, or moved to a new location. For a floor-standing table, refer to *Page 9* for leveling procedures. For a wall-mount table, refer to *Page 14*.

Third: The threaded actuator shaft may be dry. Check the shaft; it should be covered with a liberal coating of grease. If not, apply Grade 2 Bearing Grease (available at any auto supply store) and, with a small brush, apply it to the outside of the actuator. Try the table again. If it works, run the table up and down a few times to distribute the grease evenly.

Fourth: There is something wrong with the electric actuator assembly. Check the assembly for signs of damage, misalignment, or excess wear. Make sure that the upper and lower mounting points are tight and free from sloppy movement. Tighten any loose connections. If the actuator assembly is damaged, you will have to replace it (*Page 27*).

Fifth: If the table has been in use for a long time, the ball bearings in the shaft nut may be worn. Remove the actuator and send it to SSCI to be rebuilt, or just replace the complete actuator assembly.

To order a new electric actuator, contact SSCI Customer Service and order P/N 215450.

The table lowers by itself (load or no load).

Remedial Action

First: Make sure you are not trying to lift loads heavier than the table's maximum lift weight of 300 lb (136 kg). Trying to lift heavier loads may be placing extra strain on the motor and lifting mechanism that they were not designed to handle. Refer to *Load Weight Limitations* on *Page 5*.

Second: The motor coupling or the brake may be worn out. Examine both and if either is damaged or badly worn, replace it.

Motor coupling - *Page 41*
Brake - *Page 43*

To order a new motor coupling or brake, contact SSCI Customer Service and order:

Motor coupling - order P/N 854196
Brake - order P/N 853695

Third: There is something wrong with the electric actuator. Check the actuator for signs of damage, misalignment or excess wear. Make sure that the upper and lower mounting points are tight and free from sloppy movement. Tighten any loose connections. If the actuator is damaged, you will have to replace it (*Page 27*).

Fourth: If the table has been in use for a long time, the ball bearings in the shaft nut may be worn. Remove the actuator and send it to SSCI to be rebuilt, or just replace the complete actuator assembly.

To order a new electric actuator, contact SSCI Customer Service and order P/N 215450.

The table lowers slightly after the foot pedal is released.

Remedial Action

First: Make sure you are not trying to lift loads heavier than the table's maximum lift weight of 300 lb (136 kg). Trying to lift heavier loads may be placing extra strain on the motor and lifting mechanism that they were not designed to handle. Refer to *Load Weight Limitations* on *Page 5*.

Second: The brake may be worn out. Remove the motor and check the brake (*Page 43*). Examine both and if either is damaged or badly worn, replace it. Remove the actuator assembly and send it to SSCI to be rebuilt, or just replace the complete actuator assembly.

To order a new brake, contact SSCI Customer Service and order P/N 853695.

The table has an erratic motion when raising or lowering.

Remedial Action

First: Make sure you are not trying to lift loads heavier than the table's maximum lift weight of 300 lb (136 kg). Trying to lift heavier loads may be placing extra strain on the motor and lifting mechanism that they were not designed to handle. Refer to *Load Weight Limitations* on *Page 5*.

Second: If the table has been in use for a long time, the ball bearings in the shaft nut may be worn. Remove the actuator assembly and send it to SSCI to be rebuilt, or just replace the complete actuator assembly.

To order a new electric actuator assembly, contact SSCI Customer Service and order P/N 215450.

Comments:

Inside back cover

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Refer to Chapter 2 of this manual for unpacking instructions.

SSCI

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