

Owner's Manual



Longitudinal, Wall-mount table shown

Elite Lift Tables

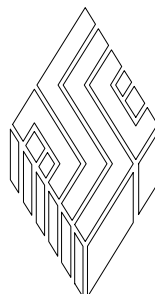
- *Electrically Actuated*
- *Floor-Standing or Wall-Mount*
- *Lateral or Longitudinal Configuration*
- *Exam Top or Electronic Scale*

New Model Numbers:

18122-00-GYLVDU, 18120-00-DPLVHP, 18123-00-GYLVDU,
18121-00-DPLVHP

Former Model Numbers:

207850, 213291, 207852, 213293



SSCI

Wheeling, IL 800 323 7366

Form No. 702701 Rev. D 03/05

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Wheeling, Illinois 60090, USA

Table of Contents

Chapter 1 - General Information	1
Introduction	1
About this Manual	1
Conventions Used in this Manual	1
Notes:	1
CAUTIONS	2
WARNINGS	2
Models	2
Lift Table Specifications	3
Lateral Configuration Lift Tables	3
Longitudinal Configuration Lift Tables	3
Available Accessories	3
Care and Cleaning of Stainless Steel	4
Introduction	4
Cleaning and Cleansers	4
Deodorizing Agents, Disinfectants and Sanitizers	5
Effect on Warranty	5
Safety	5
Crush Warning	5
Load Weight Limitations	5
Cleaning Requirements	5
SSCI Contact Information	6
Warranty	6
 Chapter 2 - Unpacking & Setup	 7
Inspection	7
Unpacking and Setup	7
Models	7
Floor-standing Models	7
Tools Required	7
Included Parts	8
Uncrating	8
Leveling	9
Mounting the Top	10

Wall-mount Models	11
Tools and Supplies Required	11
Included Parts	11
Uncrating	12
Preparing the Table for Wall Mounting	12
Mounting the Top - Electronic Scale ONLY	13
Preparing the Wall	13
Mounting and Leveling the Table	14
Mounting the Top	15
Installation of Table Tops	16
Installation Procedures	16
Exam Top	16
Tools Required	16
Procedure	16
Electronic Scale	17
Tools and Supplies Required	17
Procedure	17
Disposition of the Shipping Carton	20

Chapter 3 - Operating & Cleaning.....21

Introduction	21
Operating the Lift Table	21
Raising and Lowering the Table	21
Using the Restraint System	22
Cleaning the Lift Table	22
Introduction	22
Cleaning Procedures	22

Chapter 4 - Repairs & Replacements25

Replacement Parts	25
General	25
Parts Ordering Procedure	26
Procedures	27
Electric Actuator	27
Tools and Supplies Required	27
Removal	27
Installation	32
Actuator Hardware	35
Mounting Bolt	35
Lock Nut	35
Grommet (2)	35
Washer (4)	35
Mounting Pad	35
Tools and Supplies Required	35

Removal	35
Replacement of Parts	35
Assembly	35
Foot Controller	36
Tools Required	36
Removal	36
Installation	37
Electric Power Cord	38
Tools Required	38
Removal	38
Installation	39
Auxiliary Power Cord	40
Tools Required	40
Removal	40
Installation	42
Capacitor	43
Tools and Supplies Required	43
Removal	43
Installation	44
Motor	45
Tools and Supplies Required	45
Removal	45
Installation	46
Motor Coupling	47
Tools and Supplies Required	47
Removal	47
Installation	48
Brake	49
Tools and Supplies Required	49
Removal	49
Installation	50
Table Tops	51
Introduction	51
Exam Top	51
Tools Required	51
Removal	51
Installation	51
Electronic Scale	52
Tools Required	52
Removal	52
Installation	54
Wiring Diagram	55

Chapter 5 - Troubleshooting	57
General	57
Returning the Lift Table for Repairs	58
RMA Numbers	58
Packing and Shipment	58
PROBLEM 1: The table will not raise or lower.	59
PROBLEM 2: The table makes grinding noise while raising and/or lowering. .	60
PROBLEM 3: The table lowers by itself (load or no load).	61
PROBLEM 4: The table lowers slightly after the foot pedal is released.	62
PROBLEM 5: The table has an erratic motion when raising or lowering.	63

Chapter 1 - General Information

Introduction

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

The stainless steel exam 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 while the table is in motion.

The 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. You can 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.

Conventions Used in this Manual

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

Notes:

Under the **Note:** heading, you will be given additional information pertinent to the subject discussed in that paragraph or procedural 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 the **CAUTION:** heading, 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 front shield and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself, and/or damage to the equipment.

WARNINGS

Under the **WARNING:** heading, 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. Brace the table securely, as instructed below before removing the actuator.

Models

The model numbers and features of the Elite Lift Tables are:

	Former P/N	New P/N	Mounting	Config.	Top
■	102900-00	12660-00-GLYWEF	Floor-Standing	Lateral	Exam Top
■	102902-00	12661-00-GZLWEF	Floor-Standing	Lateral	Electronic Scale
■	102910-00	12664-00-DPLWIB	Floor-Standing	Longitudinal	Exam Top
■	102911-00	12665-00-DPLWHX	Floor-Standing	Longitudinal	Electronic Scale
■	102903-00	12662-00-GZLWEF	Wall-Mount	Lateral	Exam Top
■	102904-00	12663-00-GZLWEF	Wall-Mount	Lateral	Electronic Scale
■	102912-00	12666-00-DPLWHX	Wall-Mount	Longitudinal	Exam Top
■	102913-00	12667-00-DPLWHX	Wall-Mount	Longitudinal	Electronic Scale

Lift Table Specifications

Lateral Configuration Lift Tables

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

Working Surface Width:	45.221-in. to 45.406-in. (114.86 cm to 115.33 cm)
Working Surface Depth:	21.188-in. to 21.406-in. (53.82 cm to 54.37 cm)
Overall Width:	45.221-in. to 45.406-in. (114.86 cm to 115.33 cm)
Overall Depth:	27.50-in. (69.85 cm)
Overall Height:	77.125-in. (195.90 cm)
Lift Maximum:	38.50-in to 41.00-in. (97.79 cm to 104.14 cm)
Lift Minimum:	6.75-in. to 8.25-in. (17.14 cm to 20.96 cm)

Longitudinal Configuration Lift Tables

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

Working Surface Width:	21.188-in. to 21.406-in. (53.82 cm to 54.37 cm)
Working Surface Depth:	45.221-in. to 45.406-in. (114.86 cm to 115.33 cm)
Overall Width:	21.406-in. to 23.50-in. (54.37 cm to 59.69 cm)
Overall Depth:	50.875-in. to 51.50-in. (129.22 cm to 130.81 cm)
Overall Height:	77.125-in. (195.90 cm)
Lift Maximum:	38.50-in. to 41.00-in. (97.79 cm to 104.14 cm)
Lift Minimum:	6.75-in to 8.25-in. (17.14 cm to 20.96 cm)

Available 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 accessories, refer to *Parts Ordering Procedure* on Page 26.

■ Black Vinyl Ribbed Mat	P/N 750650
■ Casters, 3-in. dia. with Brakes*	P/N 851199
■ Voltage Adapter	Call for Info.

* for floor-standing models only.

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 Elite Lift Table is the best available for the intended use.

Cleaning and Cleansers

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

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.

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

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

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 1-800-323-7366.

Unpacking and Setup

Models

Due to substantial differences between the floor-standing models and the wall-mount models, refer to the following pages to install 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.

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. 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).

- Four leg levelers - P/N 850075
- Four jam nuts - P/N 850606
- Four leveler caps - 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.



Figure 2. Table/Skid Laid Down

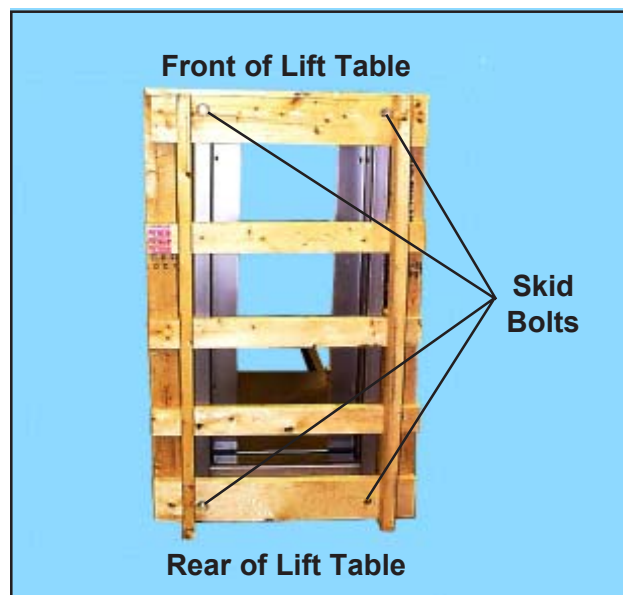


Figure 3. Locations of Skid Bolts

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

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, the levelling procedure must be redone.

1. Screw the four jam nuts onto the four leg levelers as far as possible. **Note:** Leave the leveler caps off until the leveling procedure is finished.
2. Screw the four leg levelers about half-way into the skid bolt holes (Figure 4).

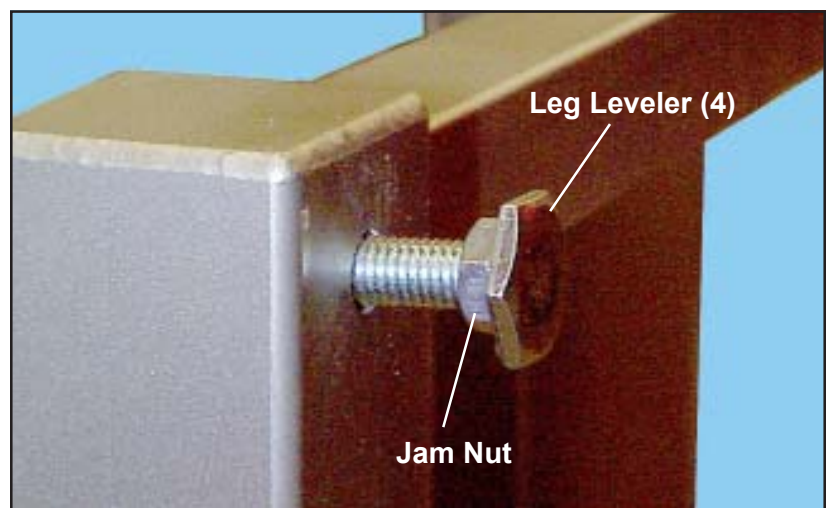


Figure 4. Leg Leveler with Jam Nut Mounted in Skid Bolt Hole

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 half-way.
7. Place a carpenter's level *across* the table arms (Figure 5).
8. With a 7/8-in. open-end wrench, turn the leg levelers as necessary to level the table, right-to-left.

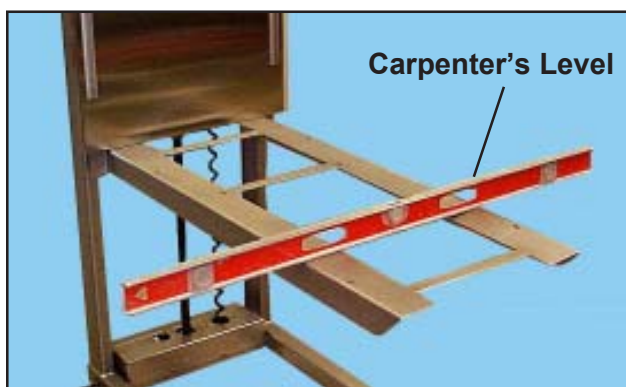


Figure 5. Carpenter's Level Across Table Arms

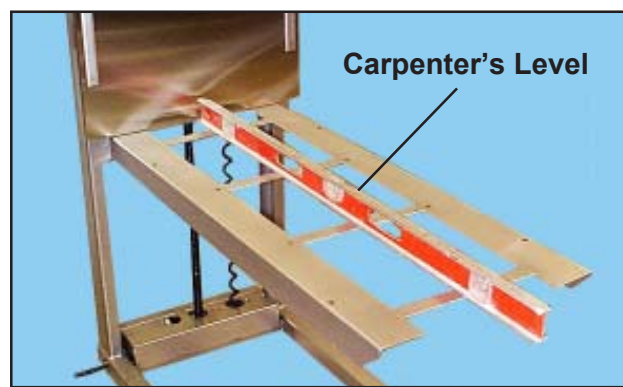


Figure 6. Carpenter's Level Lengthwise on Table Arms

9. Place the level *lengthwise* along the table (Figure 6).
10. Turn the leg levelers as necessary to level the table, front-to-rear.
11. Re-check the level both ways and re-adjust 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 leg levelers.

Mounting the Top

Exam top: Refer to *Exam Top* on Page 16, Steps 1 through 3.

Electronic scale: Refer to *Electronic Scale* on Page 17, Steps 1 through 18.

Wall-mount Models

This procedure gives unpacking and setup instructions for a longitudinal table. The procedures are the same for lateral models.

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 6's. 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 mis-alignment can cause binding, noisy operation, and premature wear. If the mis-alignment 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. Follow the instructions carefully to prevent injury to yourself or damage to the table.

Tools and 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 are needed for this installation.

- | | |
|----------------------|------------|
| ■ Two leg levelers - | P/N 850075 |
| ■ Two jam nuts - | P/N 850606 |
| ■ Two leveler caps - | 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.

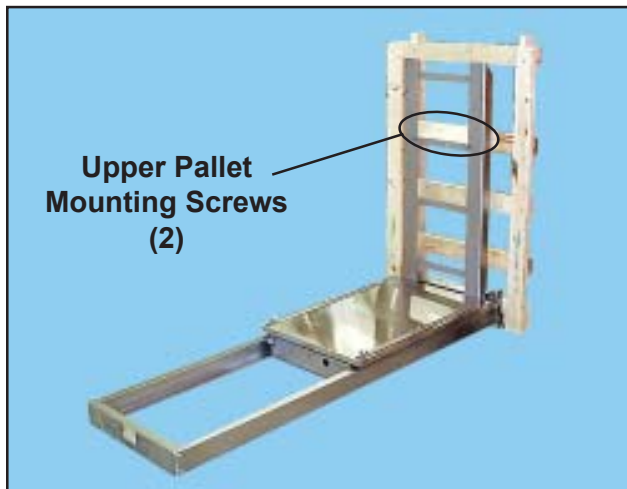


Figure 7. Table/Skid Laid Down

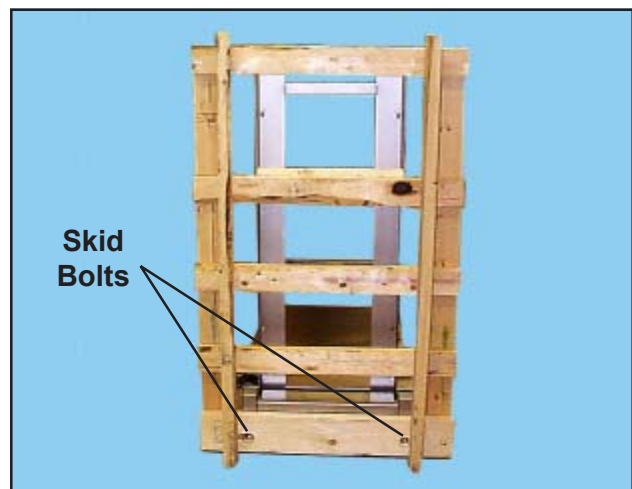


Figure 8. Locations of Skid Bolts



Figure 9. Leg Leveler in a Skid Bolt Hole

Preparing the Table for Wall Mounting

1. Screw the two jam nuts up into the two leg levelers as far as possible (Figure 9).
2. Press the two leveler caps onto the leg levelers.
3. Screw the two leg levelers all the way into the skid bolt holes.
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 15.

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.

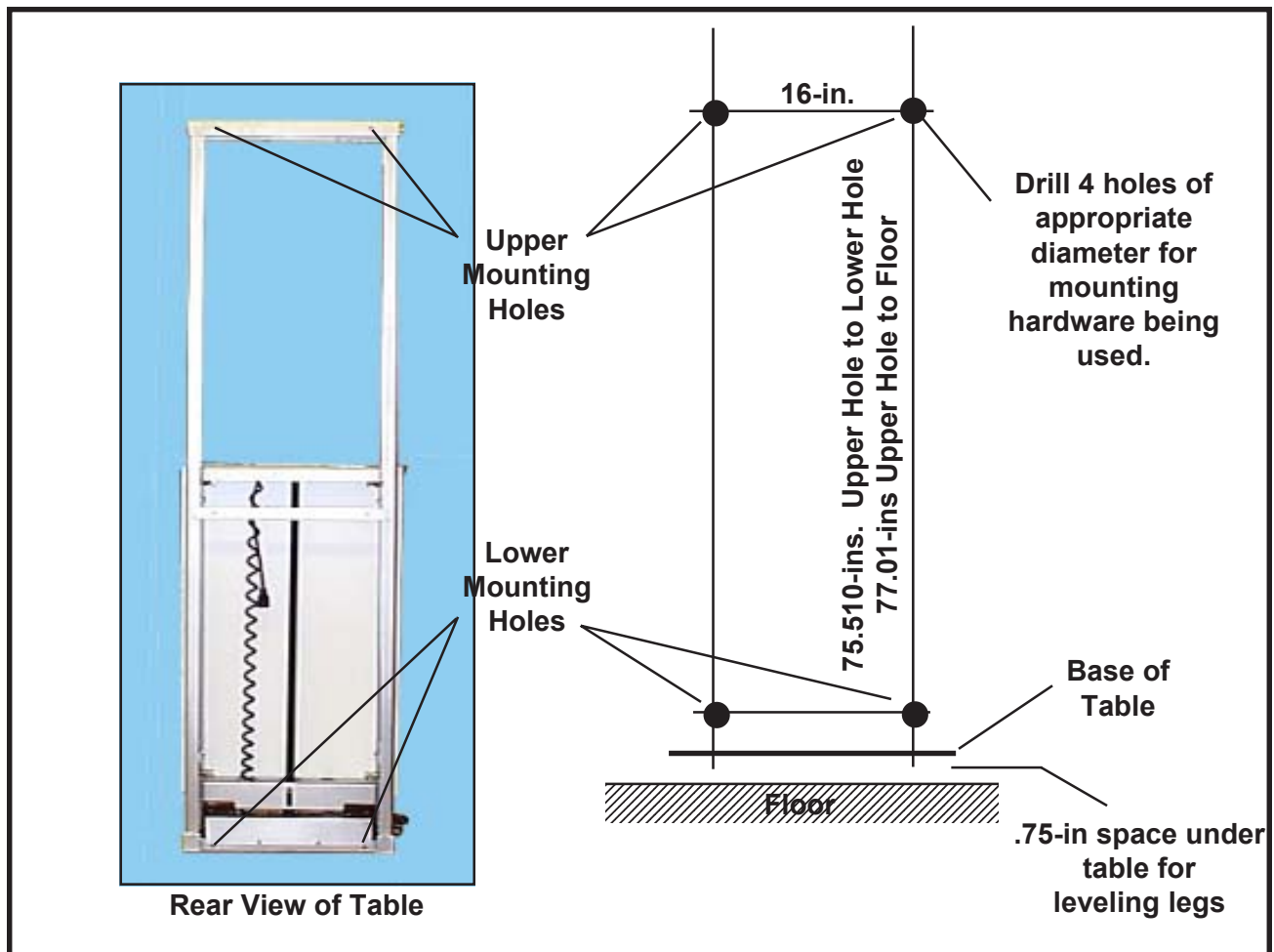


Figure 10. Wall-Mount Holes and Dimensions

Preparing the Wall

1. Locate the two studs in the wall (or the 2 x 6's 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.
4. 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, you will have to use shims behind the table mounting points to correct the misalignment.

Mounting and 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. If the table is ever moved to another location, the levelling 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 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 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 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 tht all wall fasterns are slightly loose.
8. Press the **UP** side of the foot controller and raise the table about half-way.
9. Unscrew the leg levelers until they firmly touch the floor.
10. Place a carpenter's level *across* the table arms (Figure 5).
11. Turn the leg levelers as necessary to level the table, right-to-left.
12. 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.
13. Tighten all four wall fasteners.
14. Re-check the level and re-adjust as necessary.

Mounting the Top

Exam top: Refer to *Exam Top* on *Page 16, Steps 1* through *3*.
Electronic scale: Refer to *Electronic Scale* on *Page 20, Steps 16* through *18*.

Installation of Table Tops

This section provides procedures for the initial installation a new exam top or electronic scale on a lift table.

Top	Part Number	
Exam Top	202344	
Electronic Scale	Former P/N	New P/N
	209934-0	12450-00-GZAHDH
	209934-0-PT	12451-00-GZAHDH
	20934-1-PT	12451-01-GZAHDH

Table 1. 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

Tools 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.

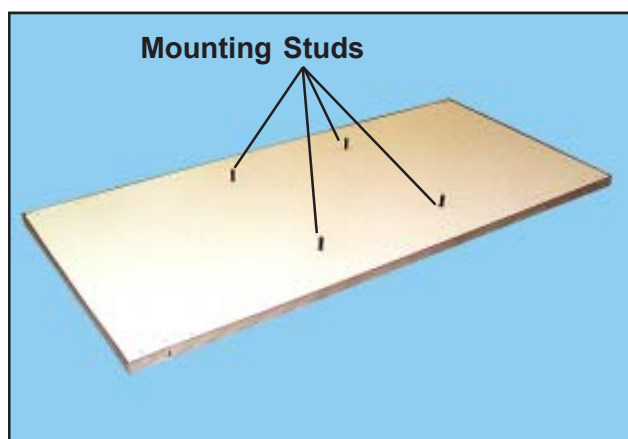


Figure 11. Underside of Exam Top Showing Studs

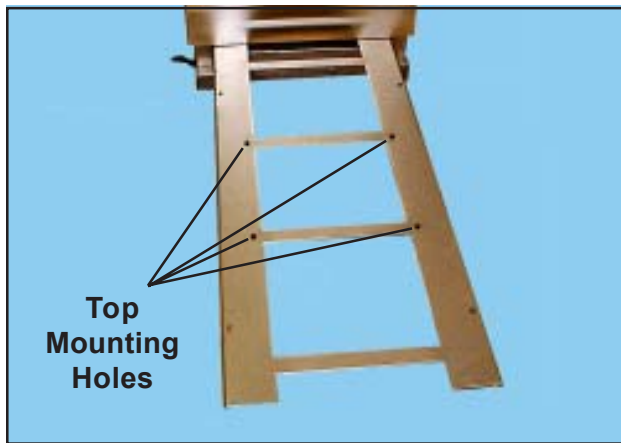


Figure 12. Longitudinal Exam Top Mounting Holes

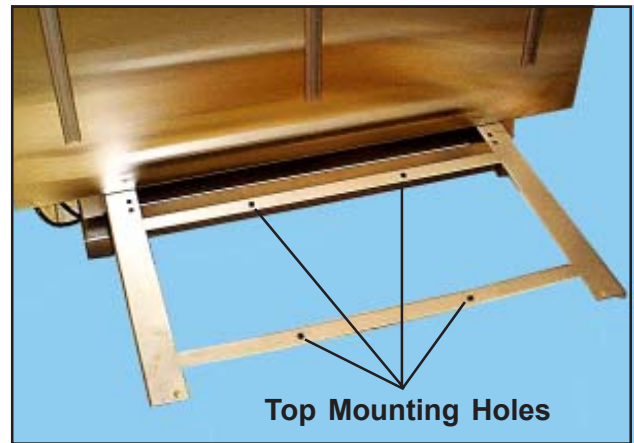


Figure 13. Lateral Exam Top Mounting Holes

Electronic Scale Tools and Supplies Required

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

Procedure

1. With a Phillips screwdriver and a 3/8-in. wrench, mount the display mounting plate to the top cross member of the sliding carriage with two 10-24 x .5-in. 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-in. screws and locknuts (Figure 15).

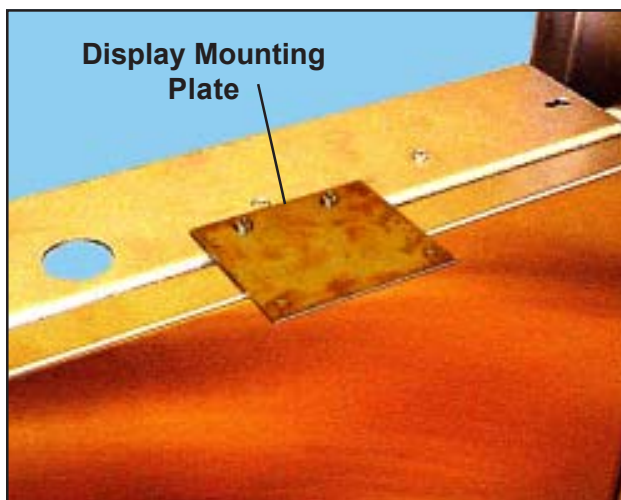


Figure 14. Mounting Plate on Sliding Carriage Cross Member

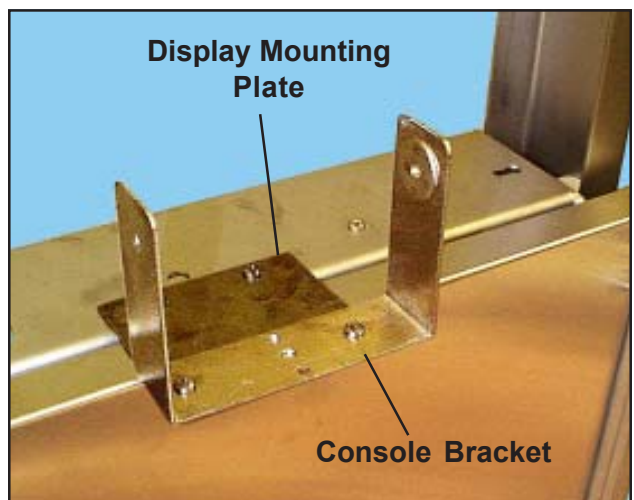


Figure 15. Mounting the Console Bracket on the Mounting Plate

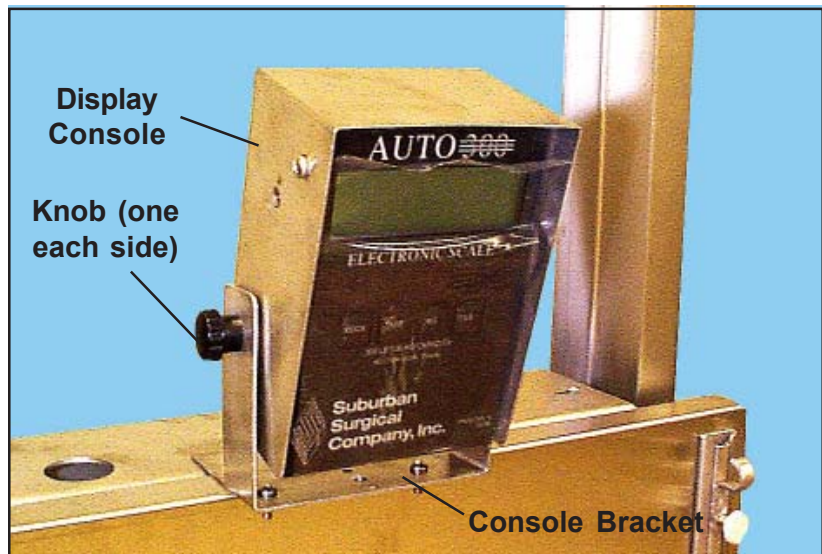


Figure 16. Mounting the Display to the Bracket

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.

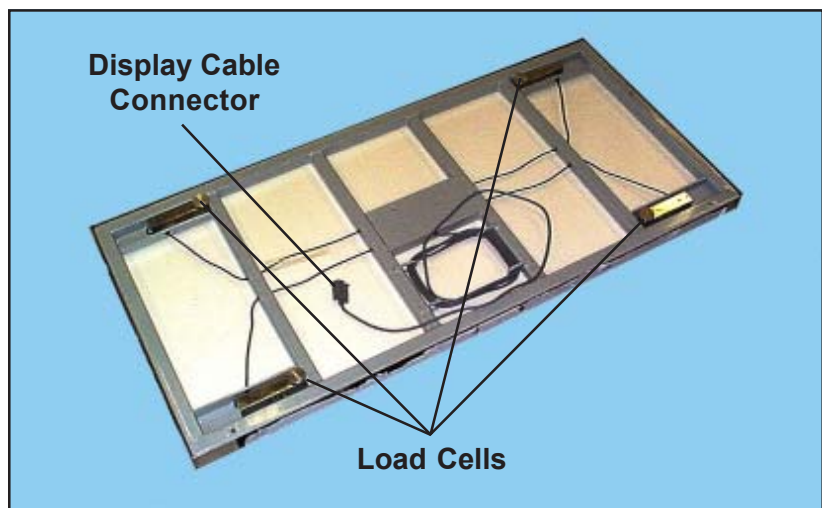


Figure 17. Underside of Electronic Scale Platform Showing Load Cells and Display Cable Connector

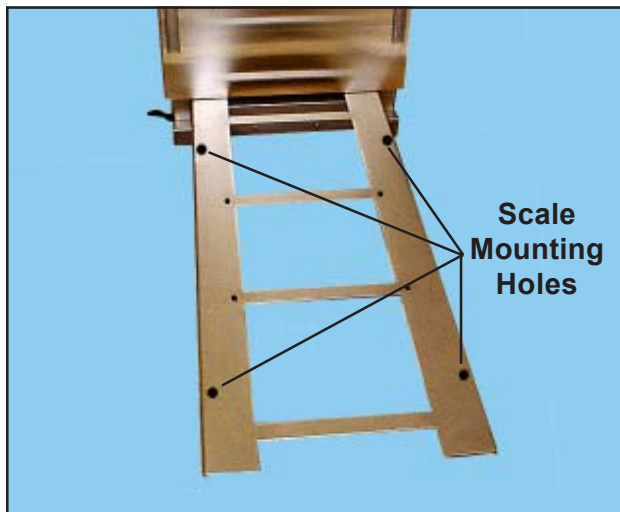


Figure 18. Longitudinal Electronic Scale Mounting Holes

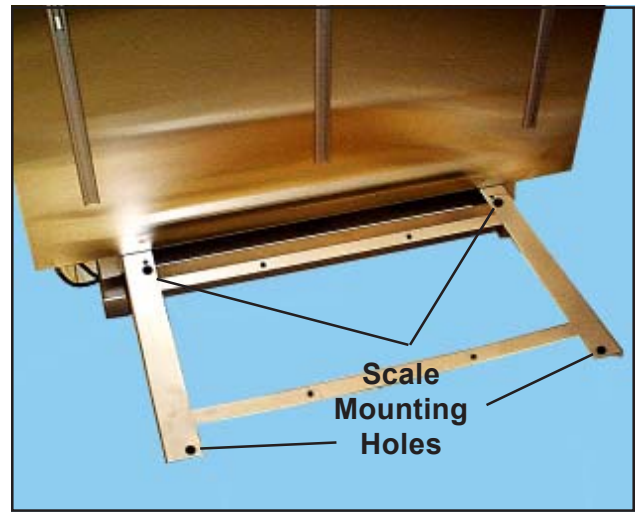


Figure 19. Lateral Electronic Scale Mounting Holes

6. Secure the scale to the frame with four 1/4-20 x 5/8-in. screws and flat washers. **Note:** Fasten the screws finger-tight only.
7. Thread the display cable up through the large holes in the cross members of the sliding carriage.
8. Loosen the knobs and tilt the display console forward to access the connectors on the bottom.
9. Plug the display cable 9-pin male connector into the

female terminal on the display console (Figure 20), and secure the connector with the two locking screws.

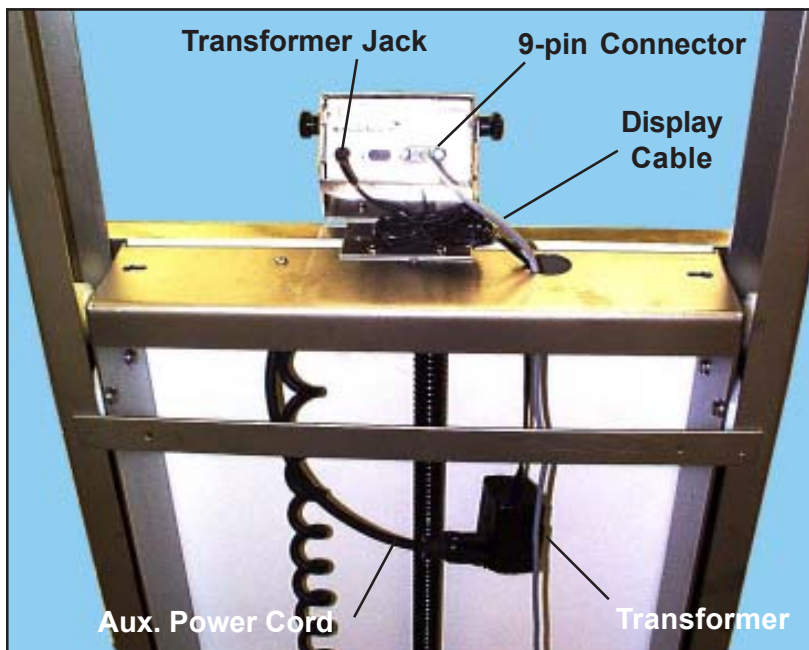


Figure 20. Transformer and Display Cable Connection

10. Plug the transformer into the auxiliary power cord hanging in the rear of the lift table. Wrap the connection securely with electrical tape. **Note:** If this connection comes loose after the table is mounted to the wall, the entire table must be removed from the wall just to plug the cord back into the transformer.
11. Route the transformer wire through the large hole in the upper cross member of the sliding carriage.
12. Plug the transformer jack into the matching port on the display console.
13. Coil up and bind any loose transformer wire into a neat bundle.
14. Loosen the knobs, return the display console to a comfortable viewing angle, and re-tighten the knobs.
15. If desired, mount one or more of the self-adhesive plastic cable clamps to the rear of the table back panel to secure the display cable.
16. Re-wrap any excess display cable back onto the storage hooks under the scale platform.
17. If desired, place the vinyl mat on the scale platform.
18. Peel the protective covering from the face of the display console.

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:

- Raising and Lowering the Table - Below
- Use of the Restraint System - Page 22

The only routine maintenance requirement of the Elite Lift Tables is regular cleaning. Refer to *Cleaning the Lift Table* on Page 22 for detailed instructions.

Operating the Lift Table

Raising and Lowering the Table

A two position foot controller controls the up and down movement of the table (Figure 21).

- 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.

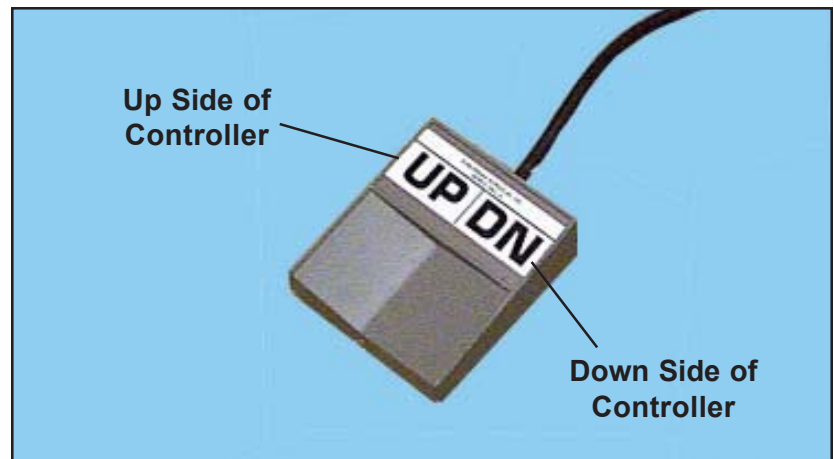


Figure 21. Foot Controller

Using the Restraint System

Upper and lower tie-downs are located on each side of the table (Figure 22) 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 white 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.

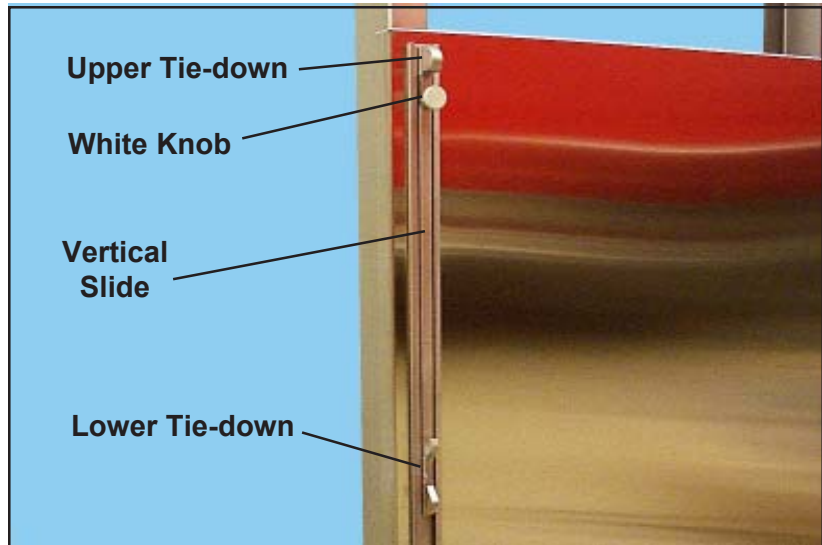


Figure 22. Restraint System Components

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.

Notes:

[illegible]

Chapter 4 - Repairs & Replacements

Replacement Parts

Table 2 lists the replacement parts available for the Elite Lift Table. For parts not listed below, contact SSCI Customer Service. Refer to *Contact Information* on Page 6 and *Parts Ordering Procedure* on Page 26.

Part Name	SSCI Part Number	Replacement Instructions
Electric Actuator	209239	Page 27
Actuator Mounting Bolt	850019	Page 35
Actuator Lock Nut	850478	Page 35
Actuator Grommet (2)	853909	Page 35
Actuator Washer (4)	850012	Page 35
Actuator Mounting Pad	853007	Page 36
Foot Controller	209240	Page 36
Electric Power Cord	212194	Page 38
Auxiliary Power Cord	213421	Page 40
Capacitor	853510	Page 43
Motor	854552	Page 45
Motor Coupling	854196	Page 47
Brake	853695	Page 49

Table 2. Replacement Parts Available for Elite Lift Tables

General

- Many threaded fasteners used on the lift table 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 Customer Service

Parts Ordering Procedure

Order new equipment, accessories and/or replacement parts from your local dealer, or 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.

For more information on SSCI's fine line of products and accessories, talk to your SSCI sales representative. Find replacement part descriptions and numbers on *Page 25*.

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

These instructions are for both lateral and longitudinal model lift tables.

Electric Actuator P/N 209239

Tools and Supplies Required

- 5/16-in. wrench
- 7/16-in. wrench
- Two 9/16-in. wrenches
- 3/8-in. socket wrench
- 3-in. or 6-in. extension for socket wrench
- 7/16-in. hex socket for socket wrench
- 5/16-in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2x4s, 33.5-inches 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.
4. With a 7/16-in. wrench, remove the six retaining nuts (three each side) holding the back panel to the frame (Figure 23).

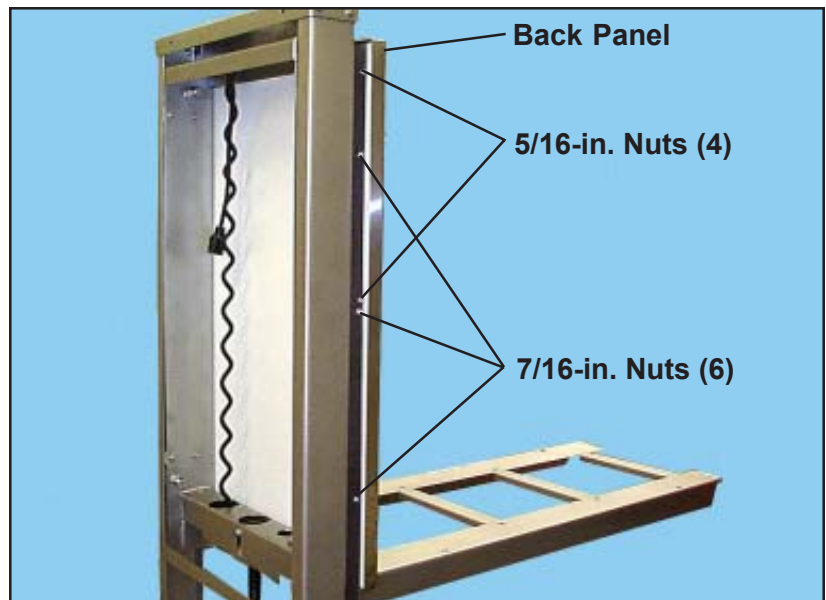


Figure 23. Removing the Back Panel

5. With a 5/16-in. wrench, remove the four small nuts also holding the back panel to the frame.
6. Remove the back panel. Do not lose the screws holding the vertical slides, and do not let the vertical slides separate from the back panel.

CAUTION: In the next four steps you will remove the front and rear shields and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.

7. With a Phillips screwdriver, slightly loosen the two front screws, and remove the five top screws on the front shield (Figure 24).
8. Lift off the front shield.

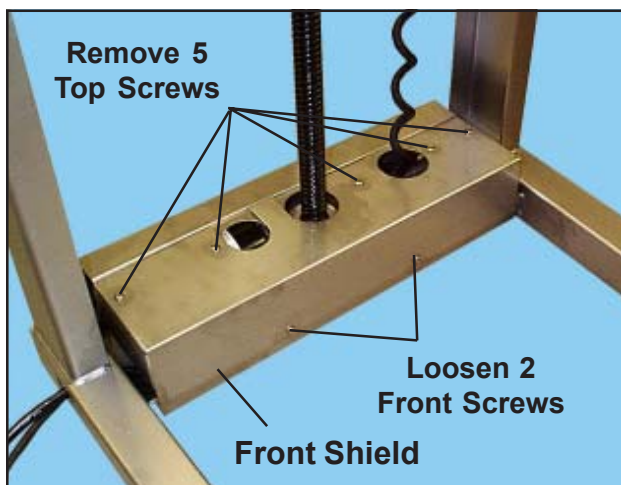


Figure 24. Removing the Front Shield

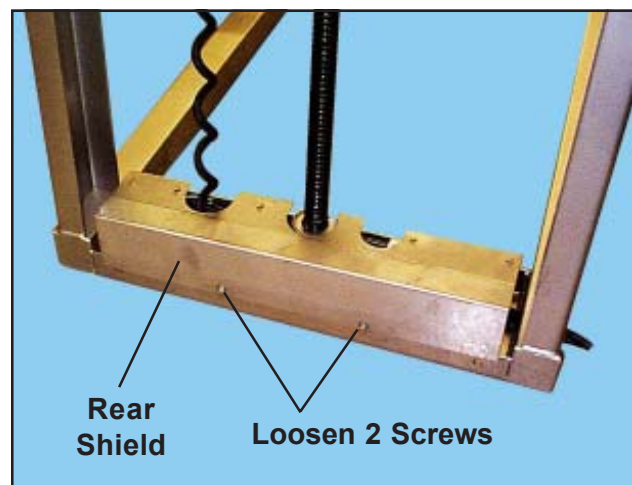


Figure 25. Removing the Rear Shield

9. With a Phillips screwdriver, loosen the two screws on the rear shield (Figure 25).
10. Lift off the rear shield.

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 below in **Step 11**, before removing the actuator.

11. Tightly tape two 33.5-in. long 2x4s to the insides of the table legs. Each 2x4 should fit between the ledge at the base of the legs and the bottom of the frame on the table (Figures 26 and 27). Use any kind of tape as long as it holds the 2x4s firmly in place (electrical tape, fibre tape, duct tape, etc.). **Note:** Do not place the lower ends of the 2x4s in the bottom tray as they might damage internal components or wiring.
12. Plug in the electric power cord.
13. Lower the table so that it rests on the 2x4s.
14. Unplug the electric power cord.

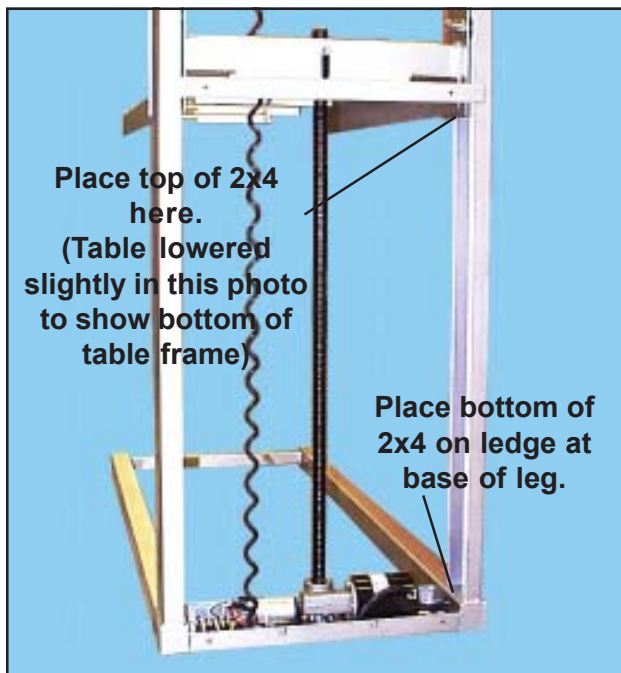


Figure 26. Position of 2x4 on Table

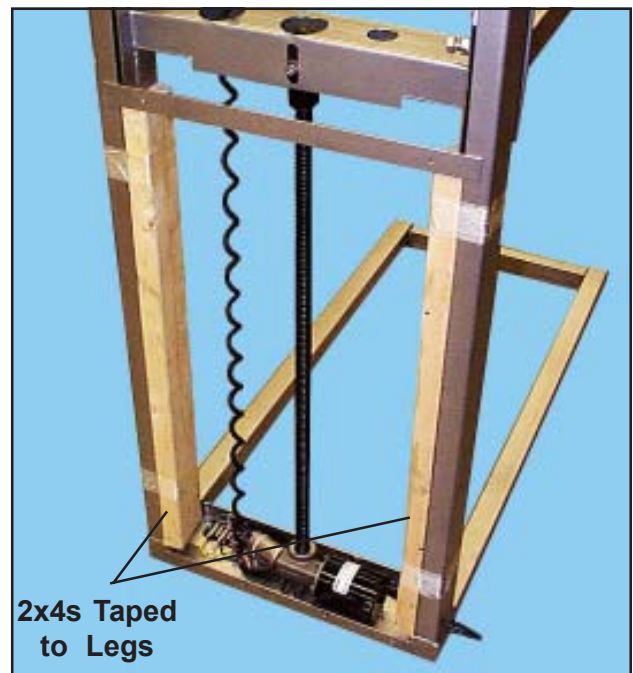


Figure 27. 2x4s in Place

15. Note down where the three motor wires (red, black, white) connect so you can replace them correctly (Figures 28 and 45).
16. With a small, flat-blade screwdriver, pry the spade connectors for the red and black motor wires off the capacitor.
17. With a small, flat-blade screwdriver, disconnect the white motor wire from the terminal strip (Figure 28).

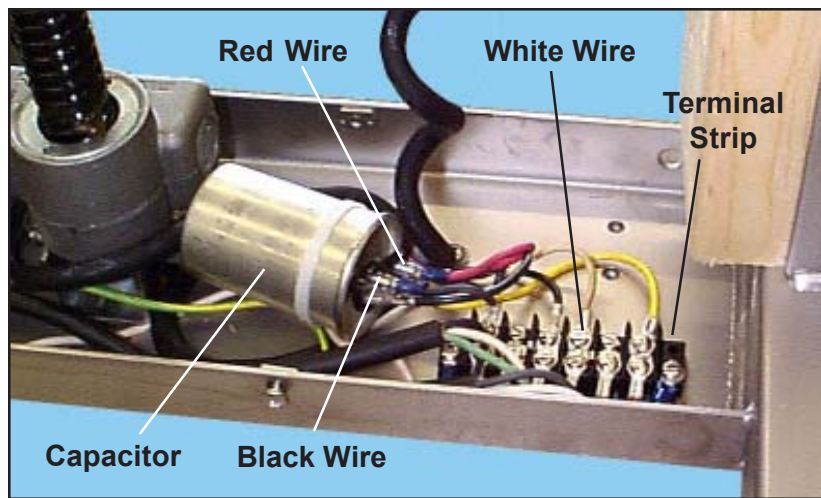


Figure 28. Disconnecting the Motor Wires

18. Note the position of the actuator bracket bolt in the elongated hole (Figure 29). **Note:** You must mount the bracket in the same position when you replace the actuator.
19. With a 7/16-in. socket on a 3-in. or 6-in. extension, unscrew the actuator bracket bolt and washer.
20. With a 5/16-in. hex key (Allen wrench) remove the two upper actuator bolts (Figure 30).
21. Lift out the actuator assembly. **Note:** It may be necessary to pry the assembly up slightly so the bracket clears a locating stud in the bottom of the tray (Figure 35).

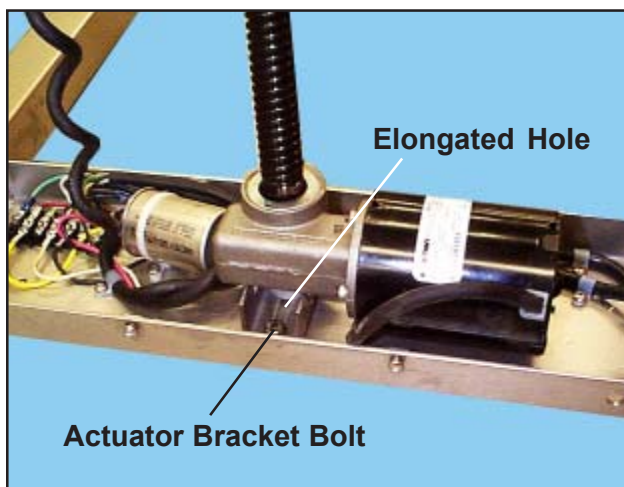


Figure 29. Actuator Bracket Bolt & Elongated Hole

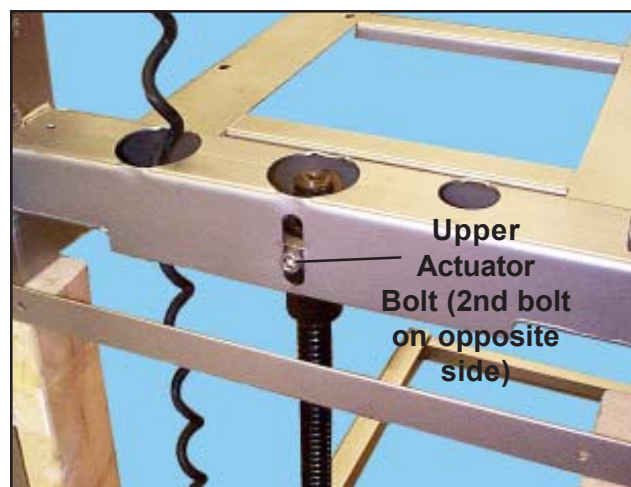


Figure 30. Top Actuator Bolts

22. With two 9/16-in. wrenches, remove the connecting bolt, four washers, and lock nut from the actuator and actuator bracket (Figure 31), and separate the bracket from the actuator gearbox.

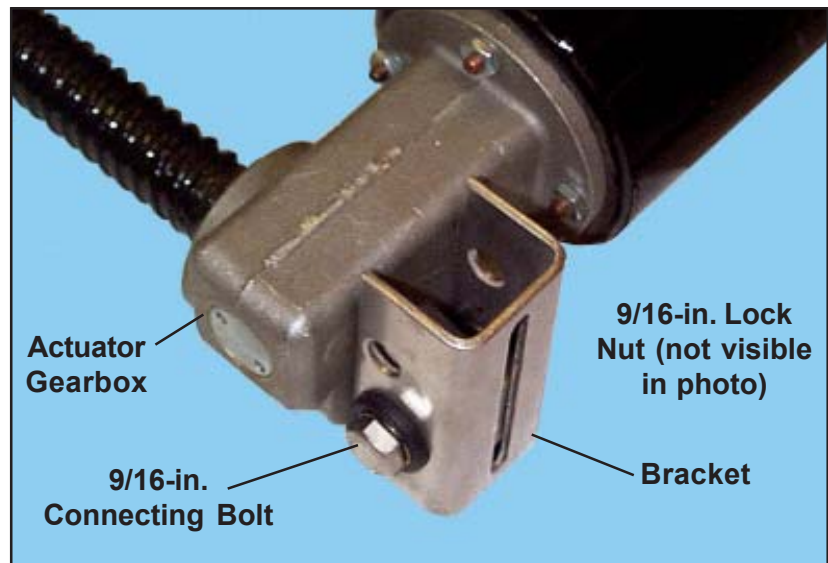


Figure 31. Actuator and Bracket

23. Slide the collar off the shaft nut and the actuator threaded shaft (Figure 32).

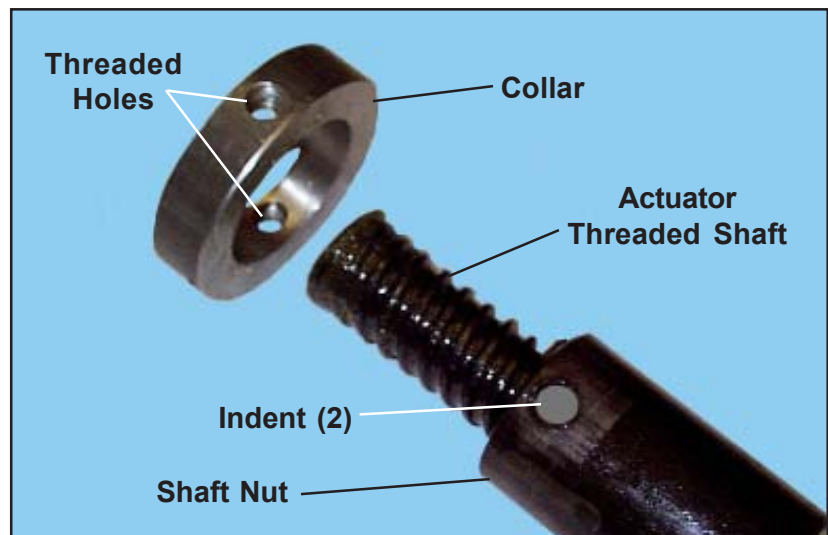


Figure 32. Actuator Shaft and Collar

Installation

1. Assemble the actuator and bracket with the connecting bolt, four washers and lock nut as shown in Figure 31. Refer to Figure 33 for assembly sequence. **Note:** Do not tighten the bolt fully. Leave a little slack so that the bracket can pivot slightly. This allows it to seat properly and conform to the actuator position. Also, make sure that the bottom of the actuator fits neatly into the mounting pad in the bracket.

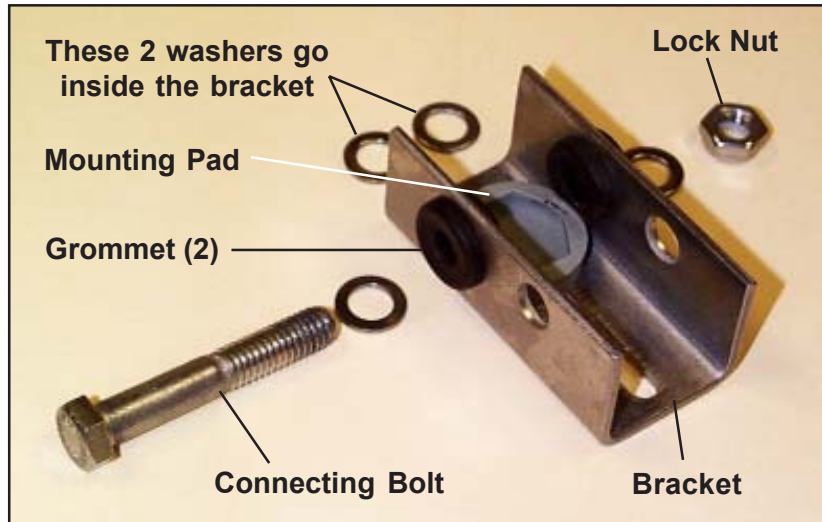


Figure 33. Actuator Bracket and Mounting Hardware

2. Slide the collar onto the shaft nut on the actuator threaded shaft (Figure 32).
3. Align the two threaded holes in the collar with the two indents on the shaft nut.
4. Pass the upper end of the actuator through the center hole in the carriage frame (Figure 34).
5. Place the lower end of the actuator into the bottom tray. The locating stud in the tray (Figure 35) must engage the bolt slot in the bracket. **Note:** Refer to Figure 29 for correct orientation of the actuator in the table.

6. Hold the actuator so that the bolt holes in the collar line up with the slots in the carriage frame and the indents on the shaft nut. Secure the parts together with the two upper actuator bolts (Figure 34). **Note:** Leave the bolts slightly loose for now.
7. Secure the lower end of the actuator in place with the actuator bracket bolt (Figure 29). The bolt must be oriented in the bolt slot just as it was before the old actuator was removed. **Note:** Leave the bolt slightly loose for now.

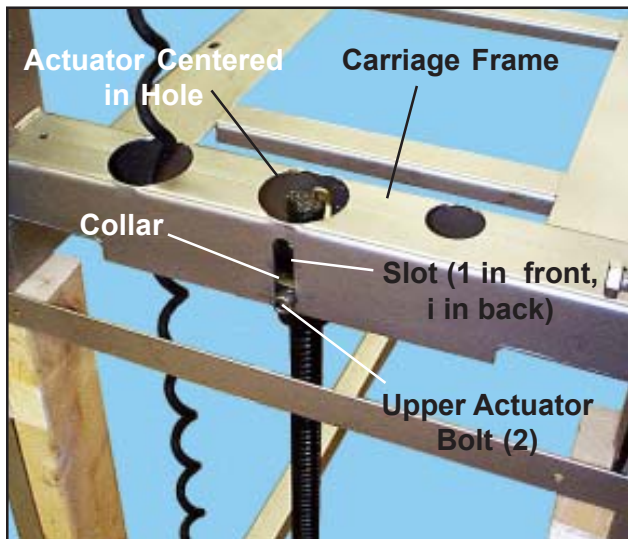


Figure 34. Upper Actuator Mounting

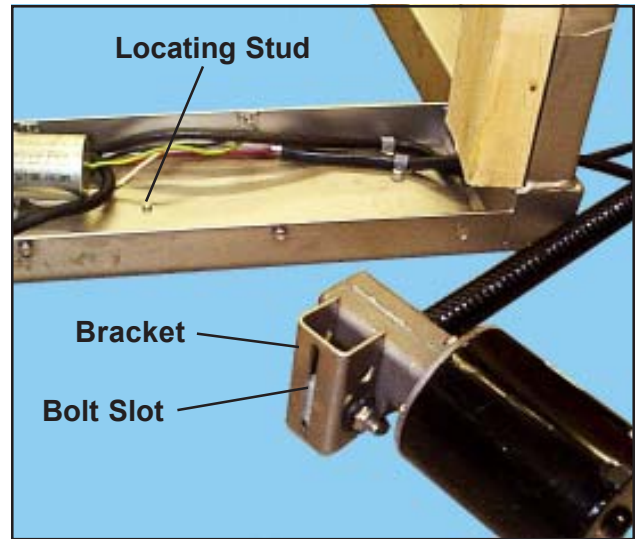


Figure 35. Locating Stud and Bolt Slot

8. Step back and look carefully at the actuator. It must be aligned correctly and straight in the table frame to avoid binding during operation. If not, re-check the upper and lower connections.
9. When the shaft appears to be correctly installed, tighten the two upper and single lower mounting bolts.
10. Connect the white motor wire to the terminal strip (Figure 28).
11. Connect the red and black wires to the capacitor (Figures 28 and 41).
12. Plug in the electric power cord.

13. Raise the table slightly to remove the pressure on the 2x4s.
14. Unplug the electric power cord.
15. Untape and remove the two 2x4s.
16. Replace the rear shield and tighten the two screws (Figure 25).
17. Replace the front shield. Replace the five top screws and tighten the two front screws (Figure 24). **Note:** The actuator threaded shaft should be centered in the middle hole of the shields.
18. Replace the back panel and secure with the ten screws (Figure 23).
19. Plug in the electric power cord.
20. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check your work and correct any problems.
21. If the table is wall-mounted, replace it on the wall.

Actuator Hardware

Mounting Bolt
P/N 850019

Lock Nut
P/N 850478

Grommet (2)
P/N 853909

Washer (4)
P/N 850012

Mounting Pad
P/N 853007

The replacement of these hardware items requires extensive dis-assembly of the lift table. We recommend that when you replace any of these items, you renew them all. They are low-cost items and it is more efficient to replace them all at once. These instructions are for both lateral and longitudinal tables.

Tools and Supplies Required

- 5/16-in. wrench
- 7/16-in. wrench
- Two 9/16-in. wrenches
- 3/8-in. socket wrench
- 3-in. or 6-in. extension for socket wrench
- 7/16-in. hex socket for socket wrench
- 5/16-in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Flat-blade screwdriver
- Two 2x4s, 33.5-inches long
- Tape (electrical, fibre, duct, or equivalent)

Removal

To reach these hardware items, follow the instructions under *Electric Actuator - Removal - Steps 1 through 22*, starting on *Page 27*.

Replacement of Parts

1. Note the position of the mounting pad in the bracket (Figure 33). The new pad must be located identically.
2. With a flat-blade screwdriver, cut the two grommets off the bracket.
3. Remove the mounting pad from the bracket.
4. Position the new mounting pad in the bracket.
5. Install the new grommets into the bracket.

Assembly

Re-assemble the unit using a new mounting bolt, four washers and lock nut. Follow the instructions under *Electric Actuator - Installation - Steps 1 through 21*, starting on *Page 32*.

Foot Controller P/N 209240

These instructions are for both lateral and longitudinal tables.

Tools Required

- Phillips screwdriver
- Small, flat-blade screwdriver

Removal

1. Raise the table as high as it will go.
2. Unplug the electric power cord.

CAUTION: In the next two steps you will remove the front shield and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.

3. With a Phillips screwdriver, slightly loosen the two front screws, and remove the five top screws on the front shield (Figure 24).
4. Lift off the front shield.
5. With a Phillips screwdriver, remove the cable retainer and free the foot controller cable (Figure 36).

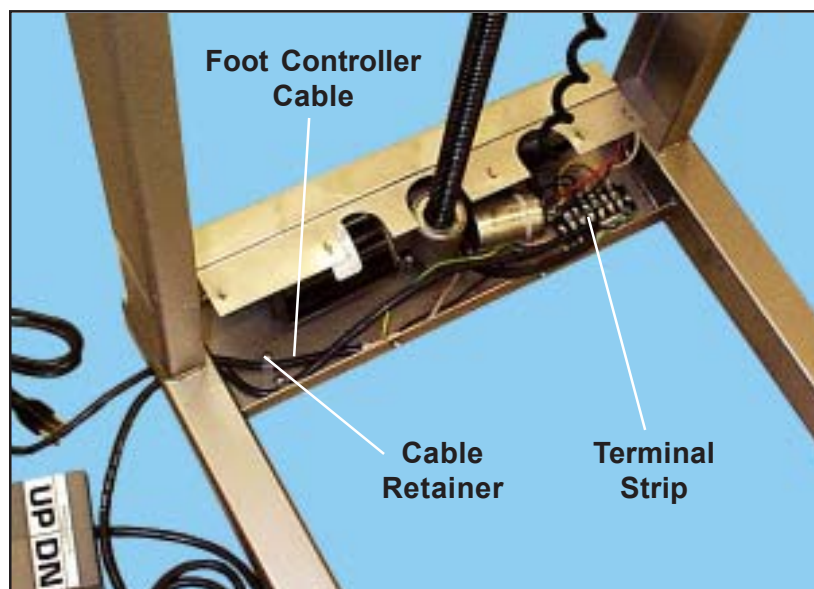


Figure 36. Foot Controller Cable and Terminal Strip

6. Use a small, flat-blade screwdriver to disconnect the four foot controller wires (black, white, red, green/yellow) from the terminal strip and ground screw.
7. Pull the foot controller cable out of the unit.

Installation

1. Feed the foot controller cable through the opening in the frame and into the bottom tray.
2. Connect the four wires to the terminal strip and ground screw (Figure 37).
3. Place the cable into the cable retainer and re-mount the retainer in the tray (Figure 36).
4. Replace the front shield, replace the five top screws and tighten the two front screws (Figure 24).
5. Plug in the electric power cord.
6. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check your work and correct any problems.

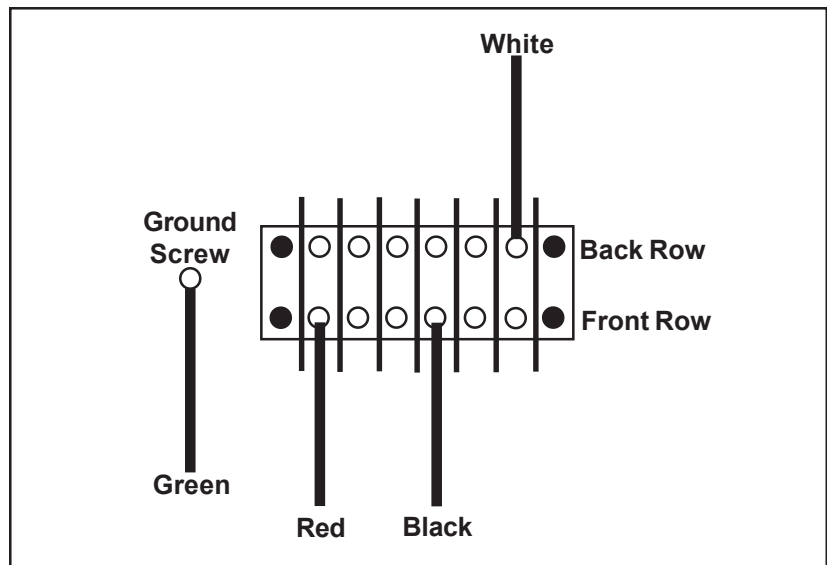


Figure 37. Foot Controller Wire Connections

Electric Power Cord P/N 212194

These instructions are for both lateral and longitudinal tables.

Tools Required

- Phillips screwdriver
- Small, flat-blade screwdriver

Removal

1. Raise the table as high as it will go.
2. Unplug the electric power cord.

CAUTION: In the next two steps you will remove the front shield and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.

3. With a Phillips screwdriver, slightly loosen the two front screws, and remove the five top screws on the front shield (Figure 24).
4. Lift off the front shield.
5. With a Phillips screwdriver, remove the cable retainer and free the electric power cord (Figure 38).

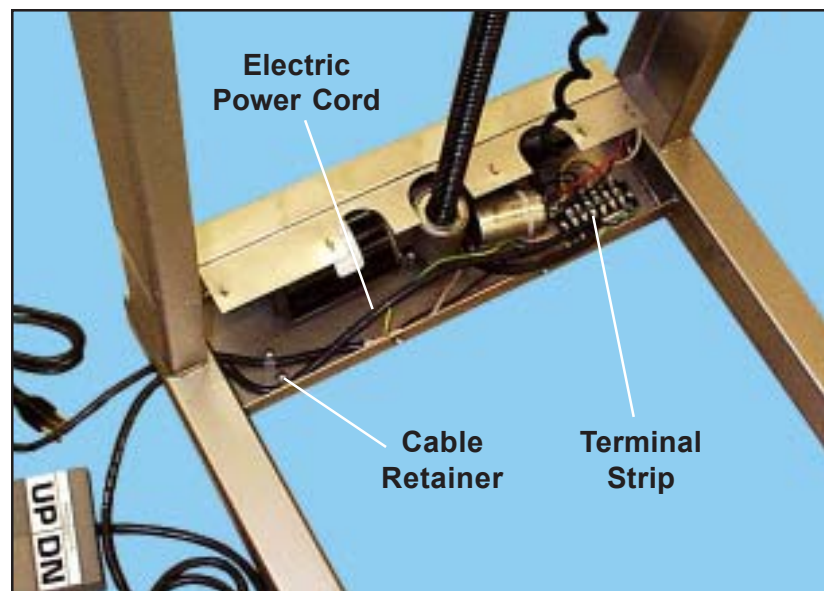


Figure 38. Electrical Power Cord and Terminal Strip

6. Use a small, flat-blade screwdriver to disconnect the three electric power cord wires (black, white, green) from the terminal strip and ground screw (Figures 38).
7. Pull the electric power cord out of the unit.

Installation

1. Feed the electric power cord through the opening in the frame and into the bottom tray.
2. Connect the three wires to the terminal strip and ground screw (Figure 39).
3. Place the cable into the cable retainer and re-mount the retainer in the tray (Figure 38).
4. Replace the front shield, replace the five top screws and tighten the two front screws (Figure 24).
5. Plug in the electric power cord.
6. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check your work and correct any problems.

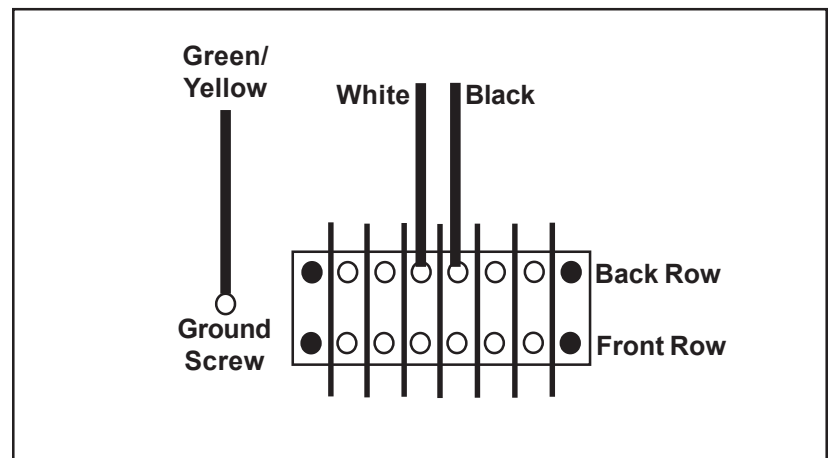


Figure 39. Electric Power Cord Wire Connections

Auxiliary Power Cord P/N 213421

These instructions are for both lateral and longitudinal tables.

Tools Required

- 3/8-in. open-end wrench
- Phillips screwdriver
- Small, flat-blade screwdriver

Removal

1. Raise the table about 24-inches.
2. Unplug the electric power cord.
3. If the table is wall-mounted, remove it from the wall to gain access to the auxiliary power cord.

CAUTION: In the next four steps you will remove the front and rear shields and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.

4. With a Phillips screwdriver, slightly loosen the two front screws, and remove the five top screws on the front shield (Figure 24).
5. Lift off the front shield.
6. With a Phillips screwdriver, loosen the two screws on the rear shield (Figure 25).
7. Lift off the rear shield.
8. With a Phillips screwdriver, remove the lower cable retainer and free the auxiliary power cord (Figure 40).
9. Use a small, flat-blade screwdriver to disconnect the three auxiliary power cord wires (black, white, green) from the terminal strip and ground screw.

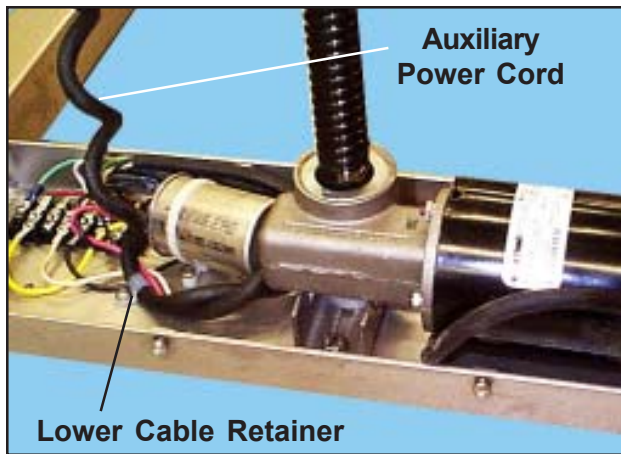


Figure 40. Lower Cable Retainer

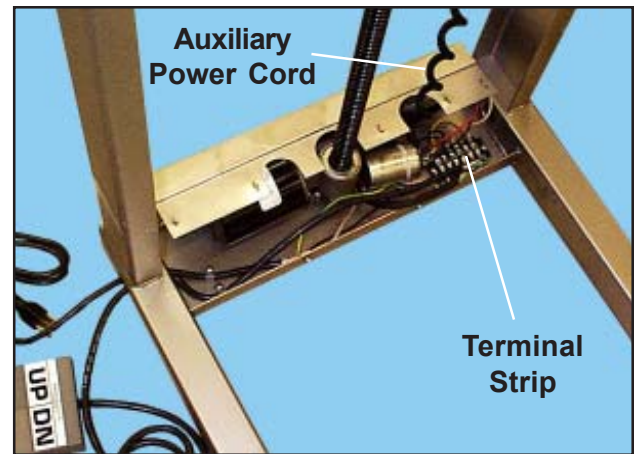


Figure 41. Auxiliary Power Cord and Terminal Strip

10. Pull the electric power cord out through the large hole in the lower cross member .
11. With a Phillips screwdriver and a 3/8-in. wrench, remove the upper cable retainer on the upper cross member.
12. Remove the auxiliary power cord from the upper cable retainer.

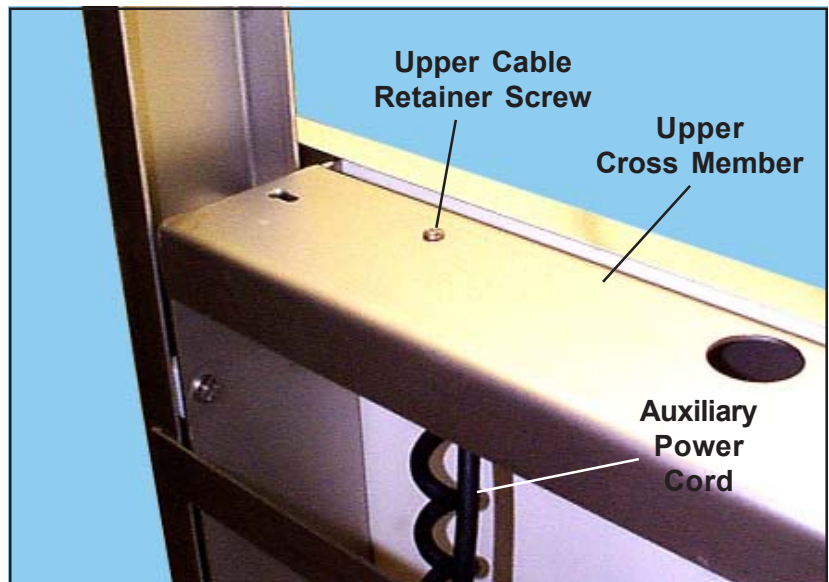


Figure 42. Upper Cable Retainer

Installation

1. Place the upper cable retainer on the new auxiliary power cord a few inches from the plug end (anywhere after the coiled section).
2. Fasten the upper cable retainer and power cord to the upper cross member.
3. Feed the auxiliary power cord down through the large hole in the lower cross member and into the bottom tray.
4. Connect the three wires to the terminal strip and ground screw (Figure 43).
5. Place the lower cable retainer on the auxiliary power cable.
6. Mount the lower cable retainer into the tray (Figure 40).
7. Replace the rear shield and tighten the two screws (Figure 25).
8. Replace the front shield, replace the five top screws and tighten the two front screws (Figure 24).
9. Plug any small appliance into the auxiliary power cord plug and make sure it operates. If not re-check your work and correct any problems.
10. If the table is wall-mounted, replace it on the wall.

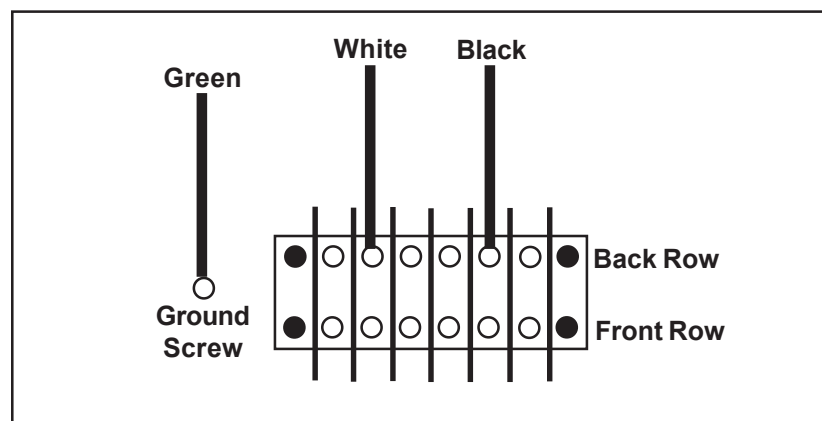


Figure 43. Auxiliary Power Cable Connections on Terminal Strip

**Capacitor
P/N 853510**

The capacitor is a standard item and may be purchased locally (Mallory, 30 MFD). These instructions are for both lateral and longitudinal tables.

Tools and Supplies Required

- Phillips screwdriver
- Small, flat-blade screwdriver
- Screw-mount cable tie, 8-in.

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 capacitor.

CAUTION: In the next four steps you will remove the front and rear shields and expose electrical components in the bottom tray. Use caution around the electrical wiring and components to prevent injury to yourself and/or damage to the equipment.

4. With a Phillips screwdriver, slightly loosen the two front screws, and remove the five top screws on the front shield (Figure 24).
5. Lift off the front shield.
6. With a Phillips screwdriver, loosen the two screws on the rear shield (Figure 25).
7. Lift off the rear shield.
8. With a Phillips screwdriver, remove the capacitor mounting screw (Figure 44).
9. With a small, flat-blade screwdriver, pry off the spade connectors for the four wires (Figure 45) connected to the capacitor:
 - black wire from motor
 - black wire from terminal strip
 - red wire from motor
 - yellow wire from terminal strip

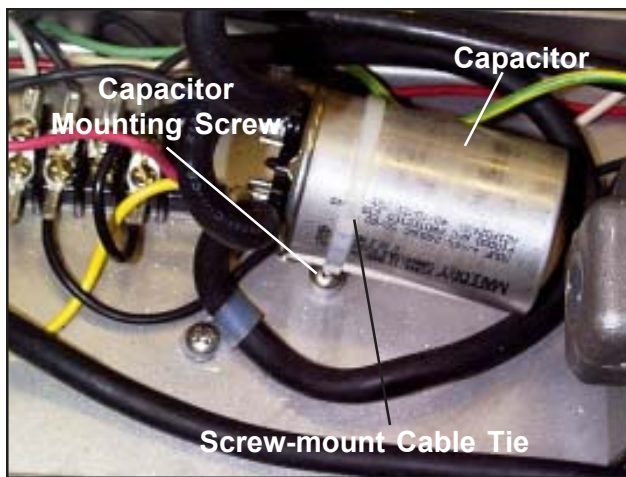


Figure 44. Capacitor Mounting

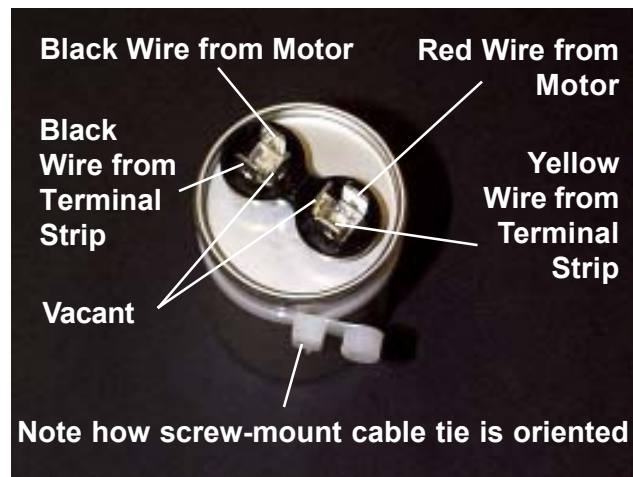


Figure 45. Capacitor Terminals

Installation

1. Attach the four wires to the new capacitor (Figure 41).
2. Attach an 8-in. screw-mount cable tie to the capacitor as shown in Figures 44 and 45 and snip off the loose end.
3. Mount the new capacitor into the tray.
4. Replace the rear shield and tighten the two screws (Figure 25).
5. Replace the front shield, replace the five top screws and tighten the two front screws (Figure 24).
6. Plug in the electric power cord.
7. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check your work and correct any problems.
8. If the table is wall-mounted, replace it on the wall.

Motor P/N 854552

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

Tools and Supplies Required

- 3/8-in. wrench
- 5/16-in. wrench
- 7/16-in. wrench
- 3/8-in. socket wrench
- 3-in. or 6-in. extension for socket wrench
- 7/16-in. hex socket for socket wrench
- 5/16-in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2x4s, 33.5-inches long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator - Removal - Steps 1 through 21*, starting on *Page 27*. **Note:** Do not remove the bracket.
2. With a 3/8-in. wrench, remove the four nuts and lockwashers that hold the motor to the gearbox (Figure 46).
3. Pull the motor away from the gearbox.

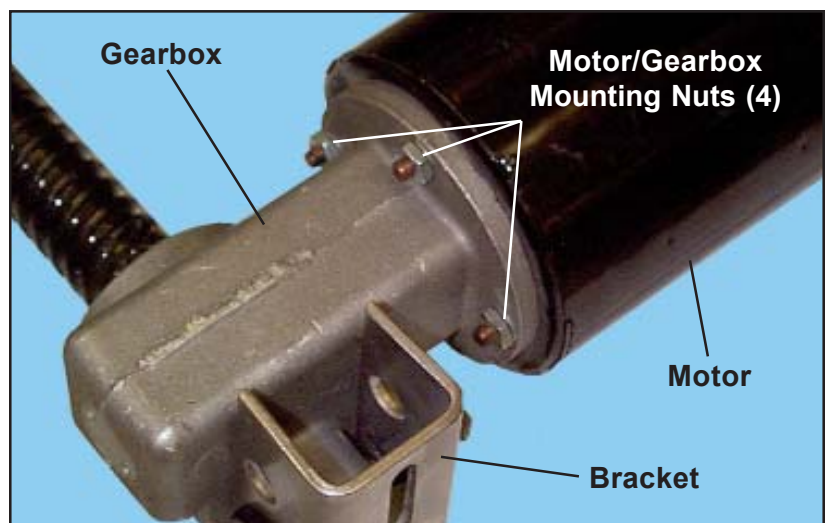


Figure 46. Motor/Gearbox Mounting Nuts

Installation

1. Align the crossbar on the motor coupling with the slot in the gearbox brake (Figure 47) and mount the new motor to the gearbox.

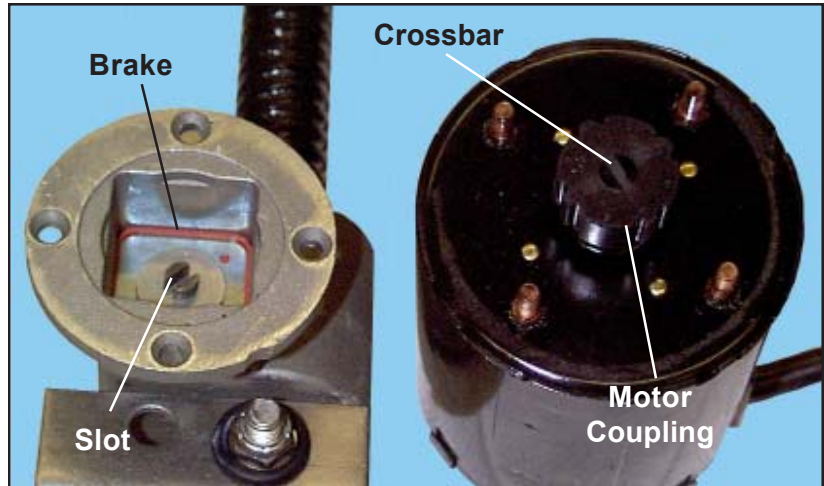


Figure 47. Motor to Gearbox Alignment

2. Secure the motor to the gearbox with the four nuts/lockwashers (Figure 46).
3. Install the actuator assembly. Refer to *Electric Actuator - Installation, - Steps 2 through 18*, starting on *Page 32*.
4. Plug in the electric power cord.
5. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check your work and correct any problems.
6. If the table is wall-mounted, replace it on the wall.

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 and Supplies Required

- 3/8-in. wrench
- 5/16-in. wrench
- 7/16-in. wrench
- 3/8-in. socket wrench
- 3-in. or 6-in. extension for socket wrench
- 7/16-in. hex socket for socket wrench
- 5/16-in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Two 2x4s, 33.5-inches long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator - Removal - Steps 1 through 21*, starting on *Page 27*. **Note:** Do not remove the bracket.
2. Remove the motor. Refer to *Motor - Removal - Steps 2 and 3* on *Page 45*.
3. Pull the coupling off the motor shaft (Figure 48).

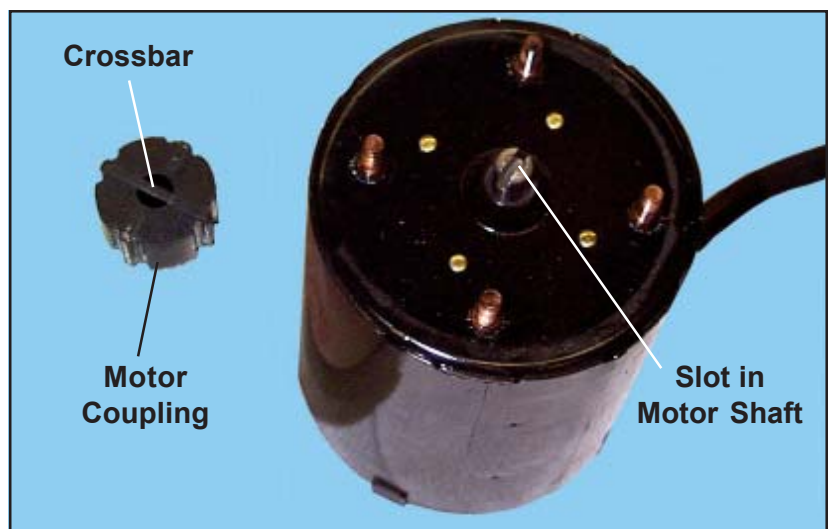


Figure 48. Motor Coupling to Motor Shaft Alignment

Installation

1. Align the crossbar on the motor coupling with the slot on the end of the motor shaft (Figure 48) and push the coupling onto the shaft. **Note:** The coupling is symmetrical; either side can be placed on the shaft.
2. Install the motor. Refer to *Motor - Installation - Steps 1 and 2* on *Page 46*.
3. Install the actuator assembly. Refer to *Electric Actuator - Installation - Steps 2 through 18*, starting on *Page 32*.
4. Plug in the electric power cord.
5. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check 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 and Supplies Required

- 3/8-in. wrench
- 5/16-in. wrench
- 7/16-in. wrench
- 3/8-in. socket wrench
- 3-in. or 6-in. extension for socket wrench
- 7/16-in. hex socket for socket wrench
- 5/16-in. hex key (Allen wrench)
- Small, flat-blade screwdriver
- Phillips screwdriver
- Needle-nose pliers
- Paper clip, 1-3/4-in. long
- Two 2x4s, 33.5-inches long
- Tape (electrical, fibre, duct, or equivalent)

Removal

1. To reach the motor, follow the instructions under *Electric Actuator - Removal - Steps 1 through 21*, starting on *Page 27*. **Note:** Do not remove the bracket.
2. Remove the motor. Refer to *Motor - Removal - Steps 2 and 3* on *Page 45*.
3. 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 49).

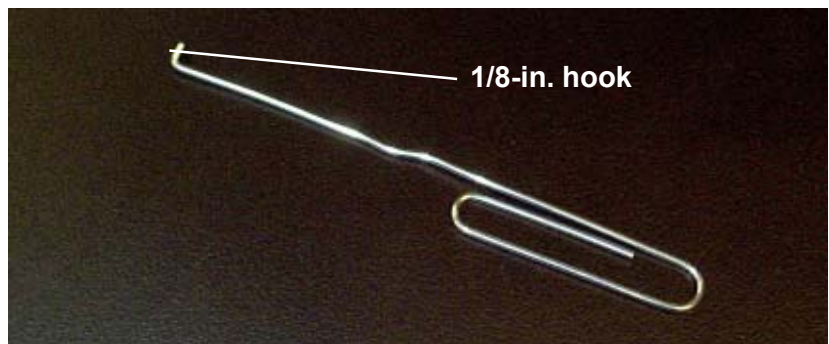


Figure 49. Paper Clip Tool for Removing Brake

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 out of the gearbox (Figure 50). Take the red rubber insulator out too.

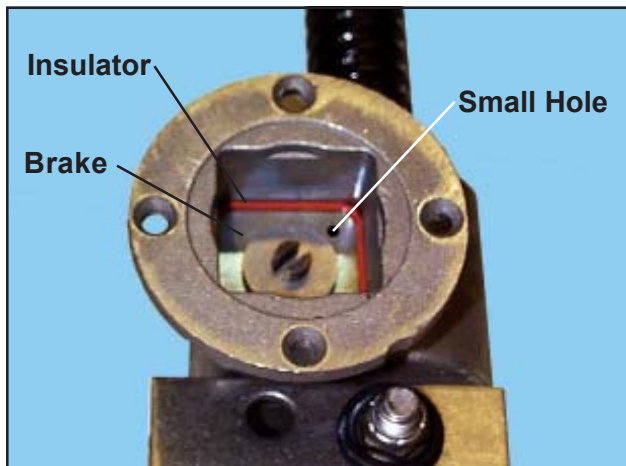


Figure 50. Brake in the Gearbox

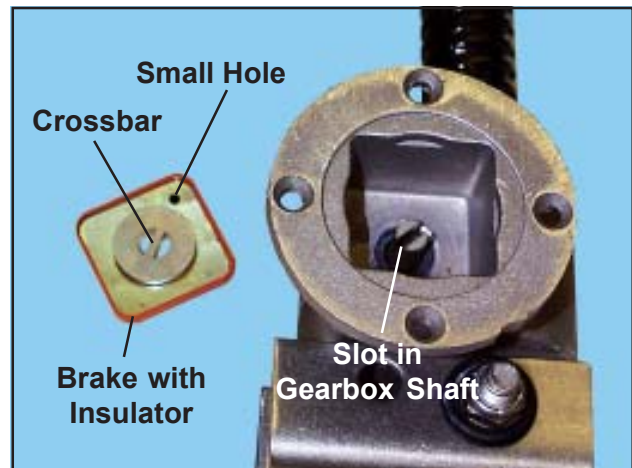


Figure 51. Brake and Gearbox

Installation

1. Place the brake into the brake insulator (Figure 51) with the small hole in the brake facing outward.
2. Rotate the gearbox shaft to align the slot in the end of the shaft with the crossbar on the brake.
3. Insert the brake into the gearbox and press it firmly into place. It must lay flat and not crooked or canted to one side.
4. Install the motor. Refer to *Motor - Installation - Steps 1 and 2 on Page 46*.
5. Install the actuator assembly. Refer to *Electric Actuator - Installation - Steps 3 through 18*, starting on *Page 32*.
6. Plug in the electric power cord.
7. Test the table by pressing the foot controller pedal. The table should respond appropriately. If not, re-check 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 re-installing the tops from the lift table to allow you to perform needed service or maintenance on the table.

■ ExamTop -

Below

■ Electronic Scale -

Page 53

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

Exam Top

Tools 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 52).
2. Lift the table top off the unit.

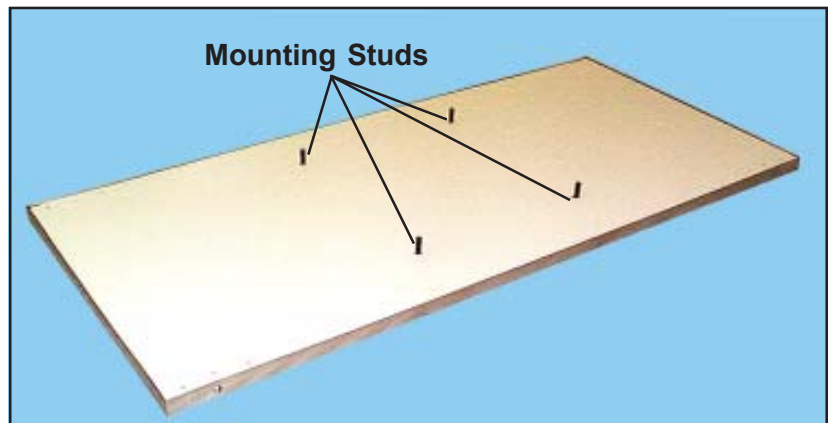


Figure 52. Underside of Exam Top Showing Studs

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 52, 53, and 54).
2. Secure the top to the frame with the four nuts and washers.

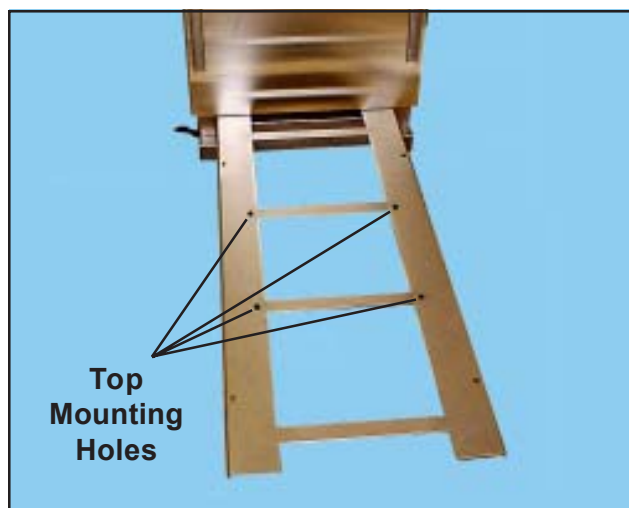


Figure 53. Longitudinal Exam Top Mounting Holes

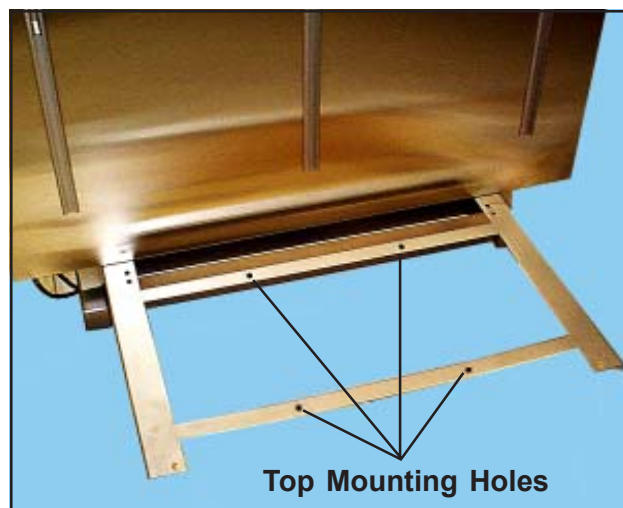


Figure 54. Lateral Exam Top Mounting Holes

Electronic Scale

Tools Required

- Flat-blade screwdriver

Removal

1. Unplug the display cable from the 9-pin terminal on the bottom of the display console (Figure 55).

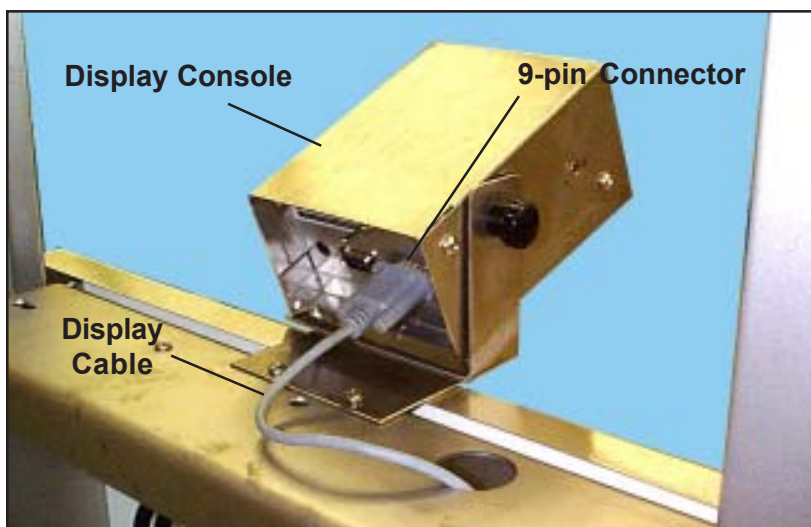


Figure 55. Display Cable Connection

2. Feed the display cable down through the upper cross member and out to the scale platform.
3. With a flat-blade screwdriver, remove the four mounting screws and washers under the scale (Figure 56).
4. Lift the scale off the unit.

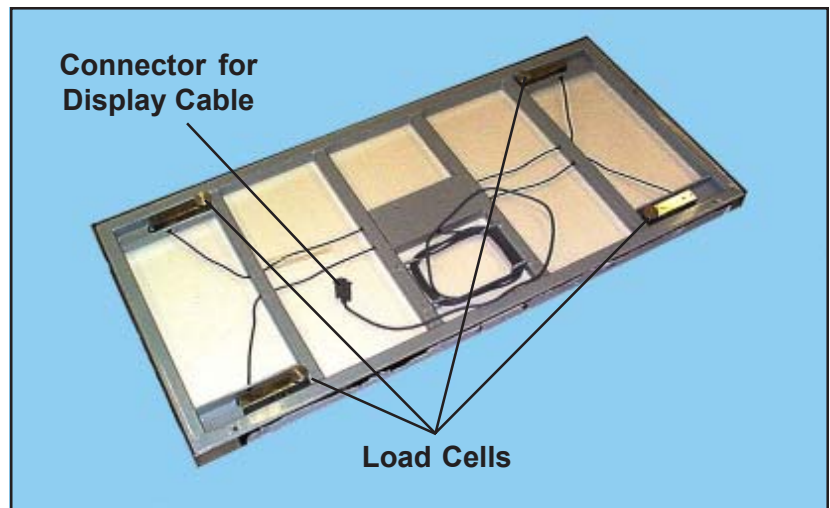


Figure 56. Underside of Electronic Scale

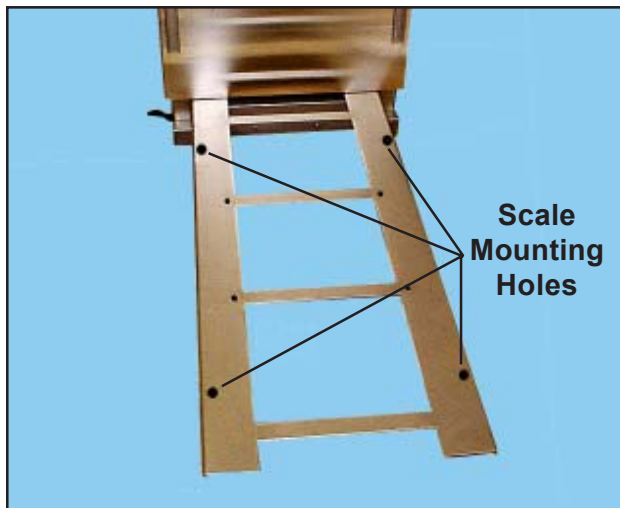


Figure 57. Longitudinal Electronic Scale Mounting Holes

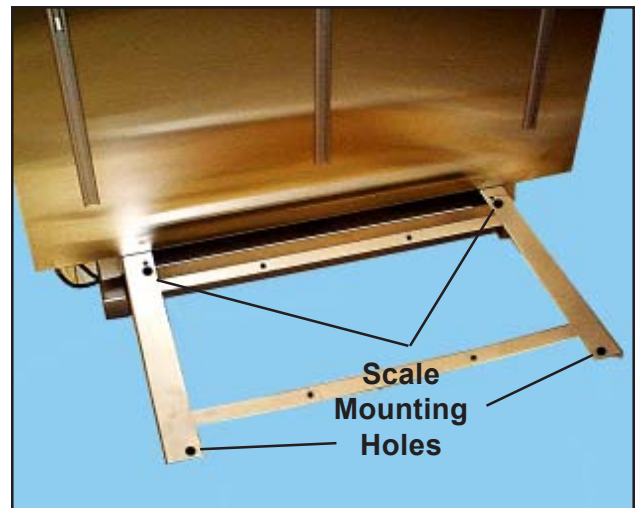


Figure 58. Lateral Electronic Scale Mounting Holes

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 56, 57, and 58). 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.
2. Secure the scale to the frame with the four screws and washers. **Note:** Fasten the screws finger-tight only.
3. Thread the display cable up through the large hole in the upper cross member.
4. Plug the display cable into the 9-pin terminal on the display console (Figure 55).

Wiring Diagram

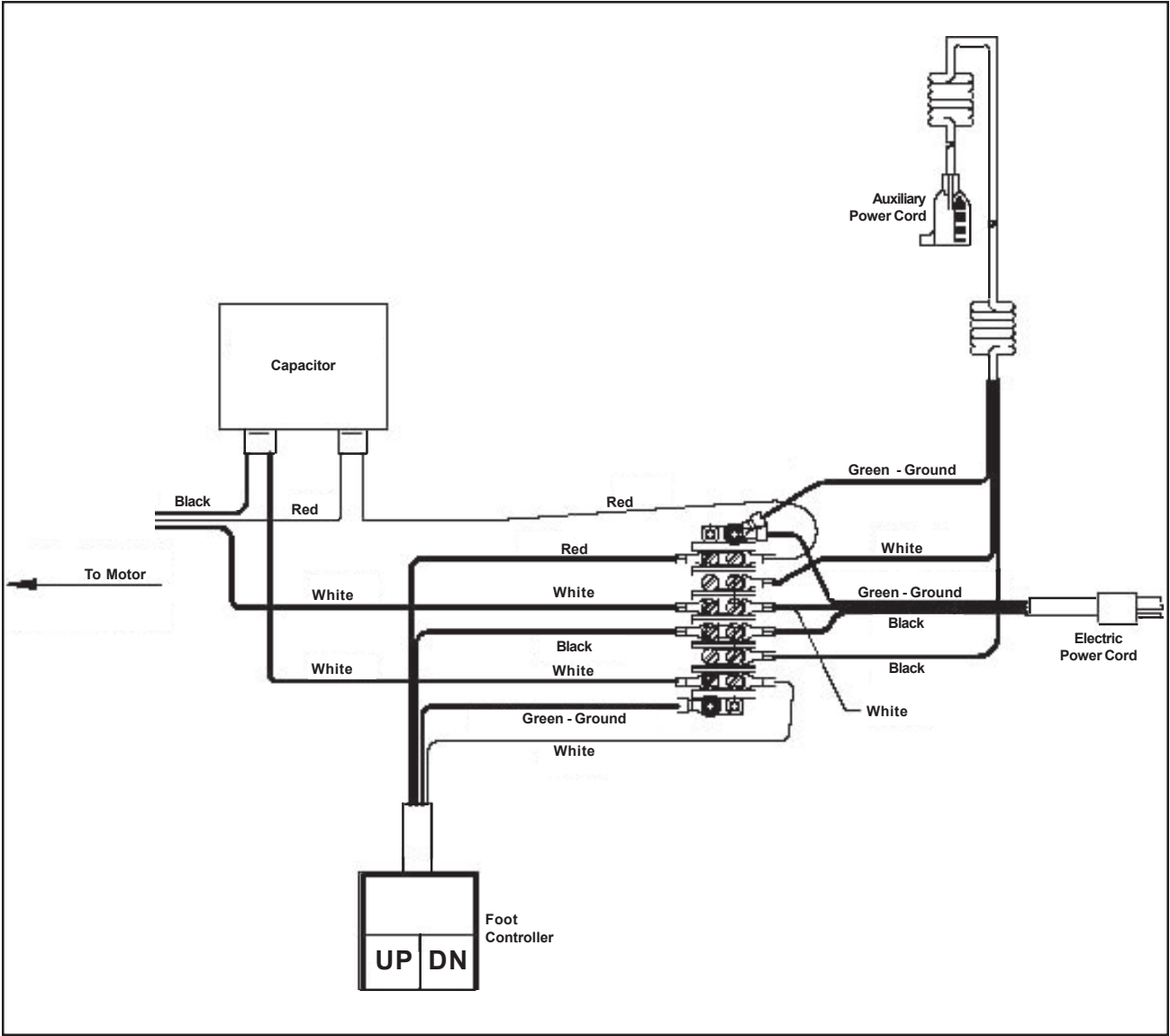


Figure 59. Wiring Diagram - Elite Lift Tables

Notes:

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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 (847) 537-9320, ext. 3518 (in Illinois) or 1-800-323-7366. 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 the table 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:

- **The table will not raise or lower** ----- Page 59
- **The table makes grinding noise while raising or lowering** ----- Page 60
- **The table lowers by itself (load or no load)** ----- Page 61
- **The table lowers slightly after the foot pedal is released** ----- Page 62
- **The table has an erratic motion when raising or lowering** ----- Page 63

Page numbers shown in parentheses in the *Remedial Action* sections direct you to step-by-step directions on replacing specific parts. Refer to *Chapter 4, Repairs and Replacements*.

If it is decided that your lift table must be returned to SSCI for repairs, refer to *Returning the Lift Table for Repairs* on Page 58 for directions.

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 and 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

PROBLEM 1: The table will not raise or lower.

Remedial Action

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

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 lbs (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 38*.

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

Sixth: Was there a puff of smoke or an unusual odor when you lost power? These events can signal the breakdown of the capacitor. To replace the capacitor, refer to *Page 43*.

To order a new capacitor, contact SSCI Customer Service and order P/N 853510.

Seventh: The foot controller may be malfunctioning. To replace a foot controller, refer to *Page 36*.

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

PROBLEM 2: The table makes grinding noise while 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 lbs (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 6* for leveling procedures. For a wall-mount table, refer to *Page 14*.

Third: The actuator threaded shaft may be dry. Check the shaft; it should be covered with a liberal coating of grease. If not, grease the shaft and try the table again.

Fourth: 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*).

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 209239.

PROBLEM 3: 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 lbs (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. Remove the motor (*Page 45*) and check the motor coupling and brake. Examine both and if either is damaged or badly worn, replace it.

Motor Coupling - Page 47

Brake - Page 49

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 209239.

PROBLEM 4: 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 lbs (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 (*Page 45*) and check the brake. Examine both and if either is damaged or badly worn, replace it (*Page 49*). 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.

PROBLEM 5: 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 lbs (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 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 209239.

Notes:

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Inside back cover

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***Refer to Chapter 2 of this
manual for unpacking
instructions.***



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