

# Endurance™

## Tilt Chair and Stand

### User's Guide



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Federal law restricts this device to sale by or on the order of a physician.

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# Warnings and Cautions

WARNING: AN INSTRUCTION THAT DRAWS ATTENTION TO RISK OF INJURY OR DEATH.



**WARNING: DO NOT REMOVE OR DEFEAT THE EARTH GROUND CONNECTION ON THE ENDURANCE TILT CHAIR AND STAND POWER INPUT CONNECTOR OR THE UNIT'S POWER CORD. DAMAGE TO THE ENDURANCE TILT CHAIR AND STAND AND OR INJURY TO THE OPERATOR MAY OCCUR.**

**WARNING: THE ENDURANCE TILT CHAIR AND STAND SHOULD BE USED IN STRICT ACCORDANCE WITH THE INSTRUCTIONS OUTLINED IN THIS USER'S GUIDE. THE SAFETY OF THE OPERATOR AND THE PERFORMANCE OF THE INSTRUMENT CANNOT BE GUARANTEED IF USED IN A MANNER NOT SPECIFIED BY REICHERT OPHTHALMIC INSTRUMENTS.**

**WARNING: DISCONNECT POWER TO THE UNIT BEFORE OPENING ANY OF THE COVERS ON THE CHAIR AND STAND.**

**WARNING: TO REDUCE THE RISK OF STATIC SHOCK, DO NOT TOUCH THE OVERHEAD LAMP AND PATIENT AT THE SAME TIME.**

CAUTION: AN INSTRUCTION THAT DRAWS ATTENTION TO THE RISK OF DAMAGE TO THE PRODUCT.



**CAUTION: IN ORDER TO ENSURE THAT CORRECT OPERATION OF THE ENDURANCE TILT CHAIR AND STAND IS MAINTAINED, ANY REPAIR OR SERVICE MUST BE PERFORMED BY EXPERIENCED PERSONNEL THAT ARE TRAINED BY REICHERT OPHTHALMIC INSTRUMENTS.**

**CAUTION: THE INTERNAL CIRCUITRY OF THE ENDURANCE TILT CHAIR AND STAND CONTAINS ELECTROSTATIC DISCHARGE SENSITIVE DEVICES (ESDS). SUCH COMPONENTS MAY BE SENSITIVE TO HIGH VOLTAGES PRODUCED BY STATIC CHARGES FROM THE HUMAN BODY. DO NOT REMOVE ANY OF THE COVERS OF THE ENDURANCE TILT CHAIR AND STAND WITHOUT TAKING PROPER PRECAUTIONS OR DAMAGE TO THE UNIT MAY OCCUR.**

**CAUTION: DO NOT USE SOLVENTS OR STRONG CLEANING SOLUTIONS ON ANY PART OF THE ENDURANCE TILT CHAIR AND STAND OR DAMAGE TO THE UNIT MAY OCCUR.**

**CAUTION: DO NOT RAISE AND LOWER THE CHAIR EXCESSIVELY. CONSTANT RAISING AND LOWERING OF THE CHAIR MAY CAUSE EXCESSIVE WEAR TO THE UNIT.**

## Symbol Information

The following symbols appear on the instrument:



**CAUTION:** Indicates that important operating and maintenance instructions are included in the User's Guide.



**WARNING:** The lightning bolt with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous voltage" within the unit's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.



Alternating Current – Indicates the instrument operates on alternating current.



Consult Instructions for Use – Indicates that important operating and maintenance instructions are included in the User's Guide.

## Warnings and Cautions

Symbol Information

[REF] Catalog Number

I O ON/OFF



Type B-Class 1 Product Symbol



Waste of Electrical and Electronic Equipment



Date of Manufacture



Hot Surface Hazard Warning



Consult Instructions for Use

# Introduction

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Congratulations on the purchase of your new Endurance Tilt Chair and Stand.

This User's Guide is designed as a training and reference manual for operation, maintenance, and troubleshooting. We recommend that you read it carefully prior to use and follow the instructions in the guide to ensure optimum performance of your new products.

Please retain this manual for future reference and to share with other users. Additional copies can be obtained from your authorized Reichert dealer or from the Reichert Customer Service department. Contact information is provided at the end of this guide.

## Unpacking

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### Unpacking the Endurance Tilt Chair



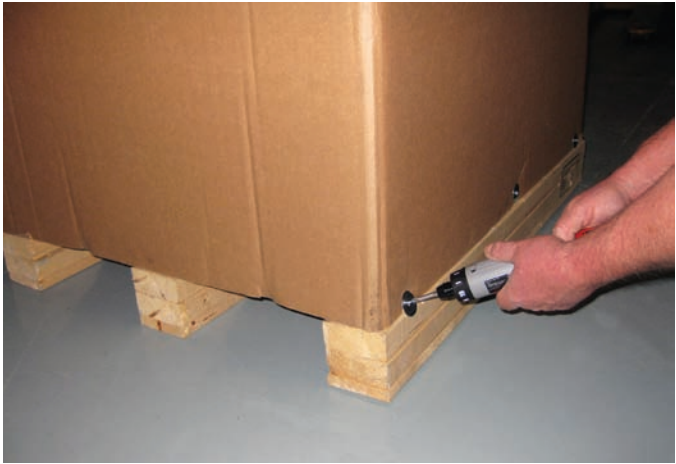
1. Remove the plastic banding from the top of the box.



# Unpacking

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## Unpacking the Endurance Tilt Chair



2. Remove the six screws (three each on opposite sides of the box) that secure the carton to the pallet.



3. Lift the carton off the chair.



4. Using a 14 mm wrench, remove the large screws on the board at the front of the chair.

# Unpacking (continued)

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5. Remove the remaining packing materials from the chair. Retain the box with additional parts for set-up. Carefully slide the chair off the pallet.

## Unpacking the Endurance Stand

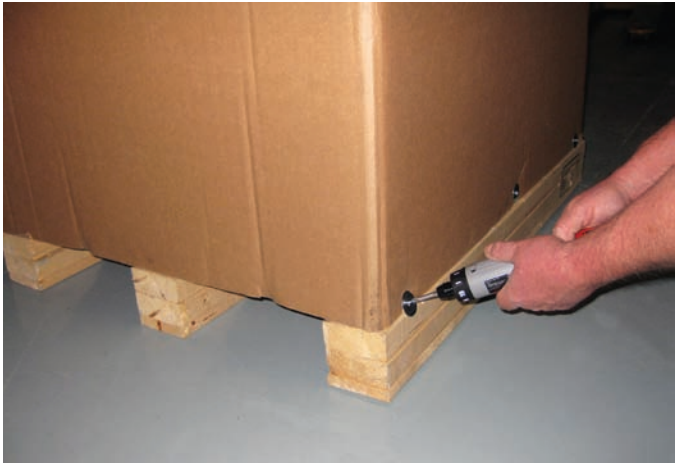


1. Remove the plastic banding straps from the shipping carton.



# Unpacking (continued)

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2. Remove the six screws (three each on opposite sides of the box) that secure the carton to the pallet.



3. Lift the carton off the stand.



5. Cut the wire ties that secure the pole for the stand inside the box and remove it.



# Unpacking (continued)

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6. The plastic covering on the stand is secured with staples. Carefully pull away the plastic wrap.



7. The stand is packed with the lower arm mounted and two boxes of parts.



8. Remove the boards that secure the base of the stand to the pallet.

# Unpacking (continued)

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9. Using a 14 mm wrench remove the large screws that secure the board at the front of the pallet.



10. Remove the plastic wrap from the stand and boxes.



11. Remove the boxes from the stand and carefully slide the stand off the pallet. Retain the boxes with additional parts for set-up.

# Features and Functions

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## Contents

The items listed below should be included in the Endurance Tilt Chair and Stand packaging containers. If any of these items are missing, please contact Reichert Customer Service.

- Advantage Plus Chair (P/N 15250)
- Foot Switch Assembly (P/N 15250-002-001)
- Stand Base With Control Panel and Charging Wells (P/N 15253)
- Lower Instrument Arm (P/N 15257)
- Overhead Lamp Assembly (P/N 15253-002-021)
- Overhead Lamp Bulb (P/N 15253-002-022)
- Refractor Arm (P/N 15256)
- Lamp Cable (P/N 15253-002-013)
- Spare Fuses
- User's Guide (P/N 15250-101)



# Features and Functions

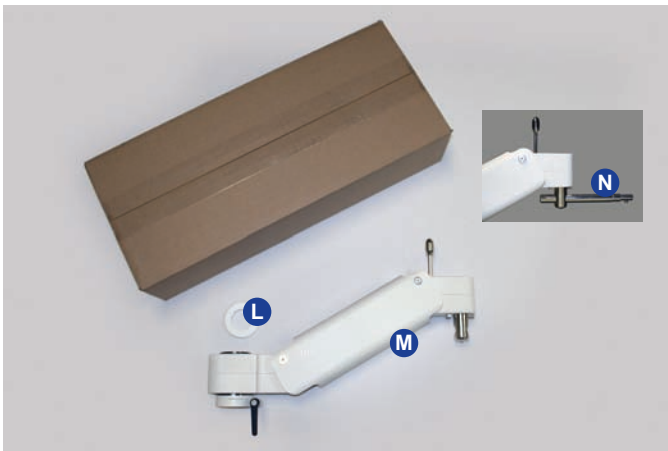
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## Contents of Stand Accessory Boxes



### Box 1

- A. Overhead Lamp Assembly
- B. Power Cord for Stand
- C. Lamp Cord
- D. Slit Lamp Arm Wrench
- E. Collar for Base of Pole
- F. Armlock Screw Handle
- G. Phorofter Safety Collar
- H. Lamp Collar
- I. 5/23 Phorofter Hex Key
- J. Spare Fuse
- K. 3/4 Needle Thrust Bearing



### Box 2

- L. Phorofter Bearing Collar
- M. Phorofter Arm Assembly
- N. Phorofter Mounting Pole

## Contents of Chair Accessory Box

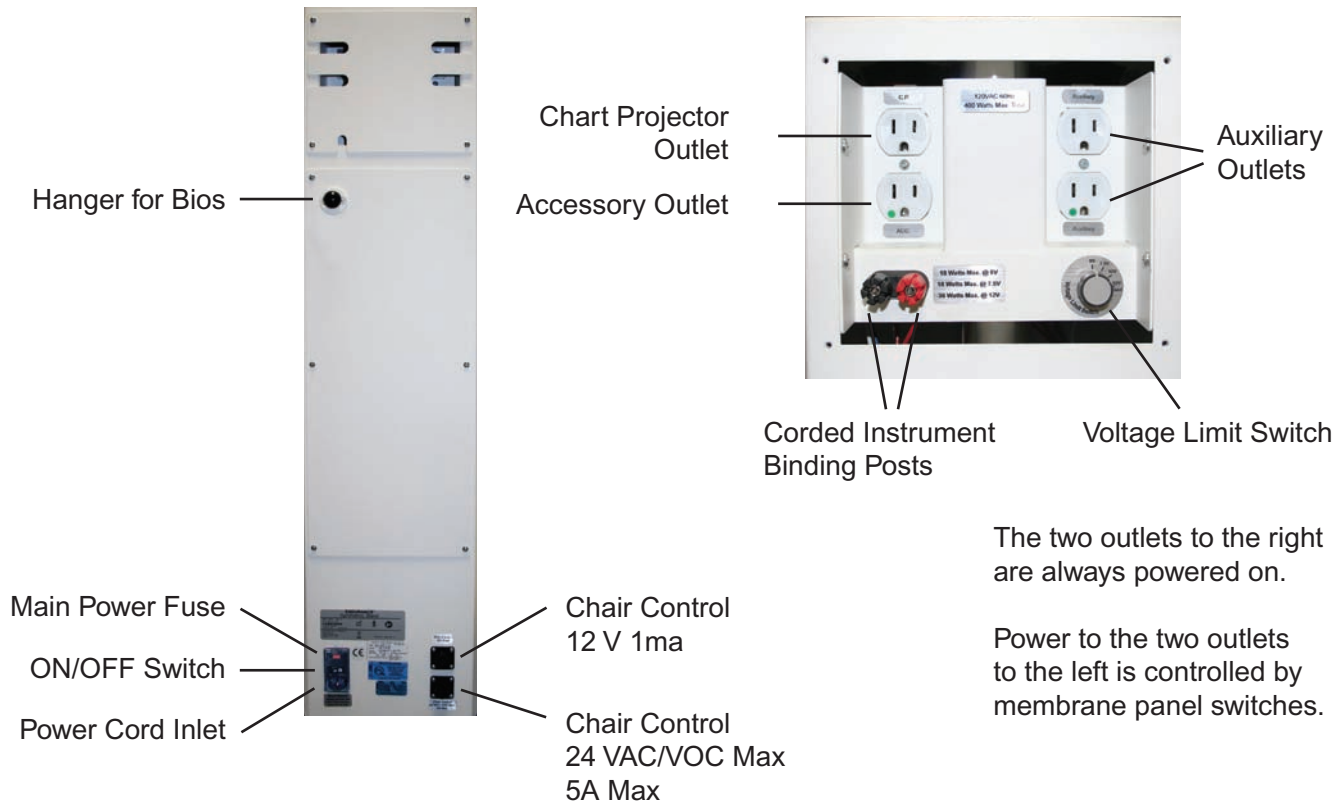
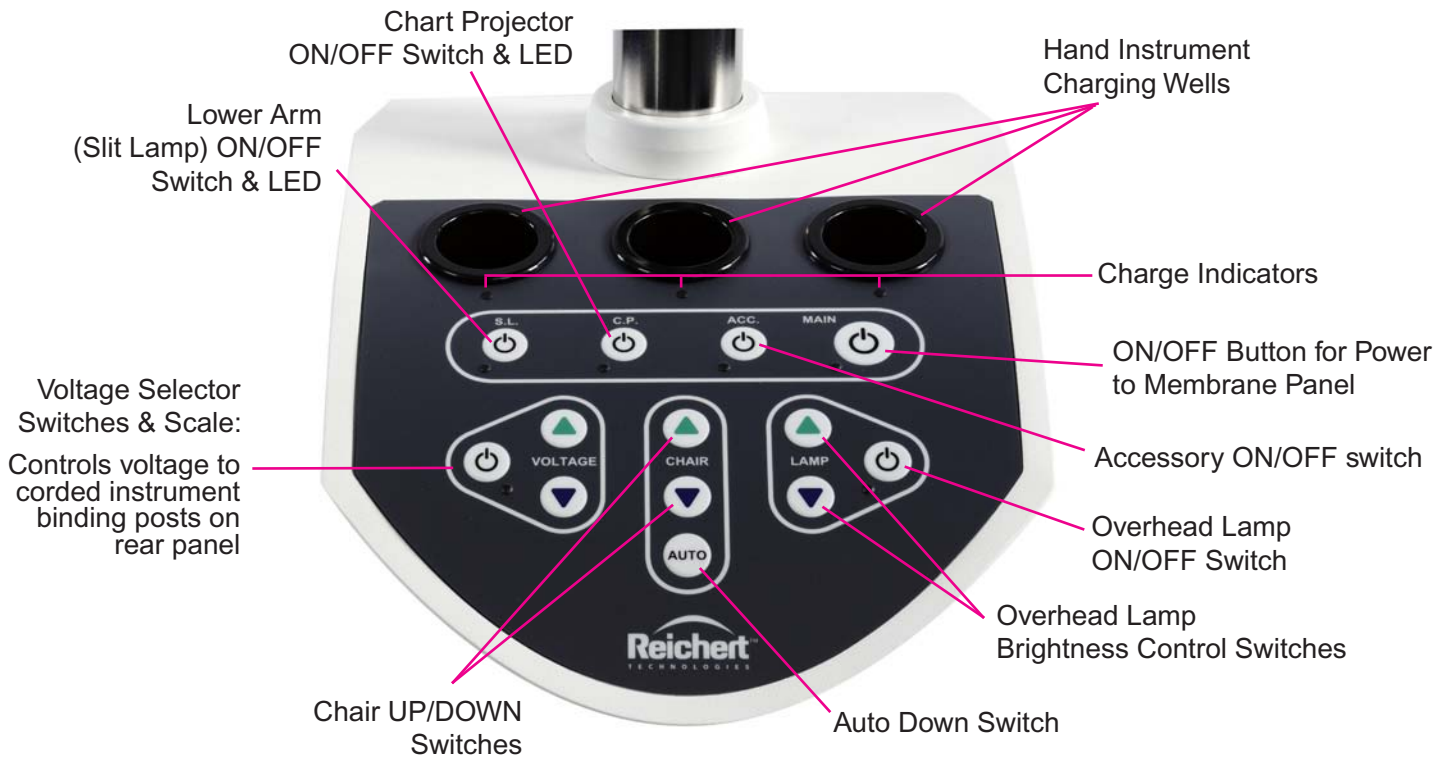


### Box 1

- O. Foot Switch
- P. Spare Fuse
- Q. Power Cord
- R. Chair & Stand Connector

# Features and Functions (continued)

## Control Panel



# Installation And Assembly

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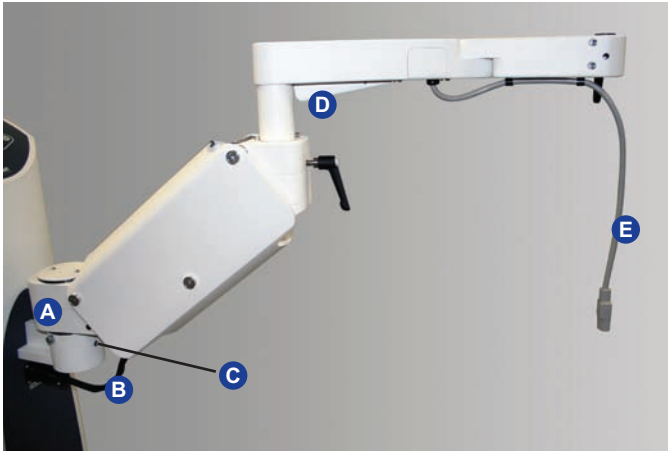
WARNING: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT CONNECT THE UNIT TO A POWER SOURCE UNTIL THE ASSEMBLY PROCESS IS COMPLETED.

**Before** you begin the assembly process:

1. Be sure the floor is level.
2. Be sure your stand is correctly positioned in the desired location.

## Lower Instrument Arm

1. Connect the lower instrument arm power cord to the stand.



- A. Drag set screw (5/32 allen key)
- B. Lower arm power cord
- C. The lower instrument arm is pre-installed on the stand. The arm can be removed and replaced with one screw located at the front of the stand.
- D. Lock release lever
- E. Power cord to slit lamp

2. Install the front brake handle.



- F. Front brake handle

# Installation And Assembly (continued)

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- Place the needle bearing assembly on top of the arm port before installing the slit lamp.



- G. Slit lamp leveling set screws
- H.  $\text{Ø } \frac{3}{4}$  needle bearing assembly

- Using the 5/32 allen key, adjust the instrument leveling set screws as needed to level the table when installing the slit lamp. There are six screws located in the front and on each side of the slit lamp port.

## Installing the Mounting Pole

- Open the back of the lower section of the stand by removing the six screws that hold the panel in place. The back panel is notched at the bottom so slide it up and out of position to remove it.



- A. Rod Notch
- B. Pins

- Insert the pole into the opening at the top of the stand and align the notch at the bottom of the pole with the pins at the base of the pole support.

# Installation And Assembly (continued)

- Slide the white rod collar down to the base of the pole and tighten the allen key to hold it in place.



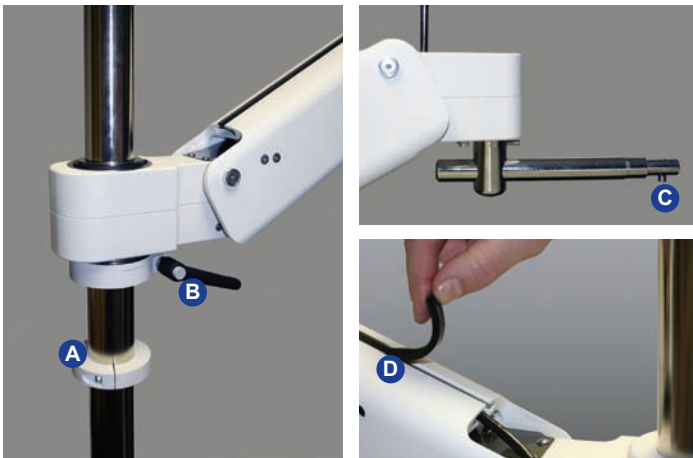
C. Rod collar and key

## Optional Third Arm Installation

- Slide the safety collar down the pole to the desired position for the Third Arm and tighten the allen key to secure it in place.
- Slide the Third Arm down over the vertical post to the desired location and tighten the locking ring allen screw.
- Remove the cover over the auxiliary power panel and plug the the Third Arm power cord into the outlet labeled ACC.

## Refractor Arm Assembly

- Slide the safety collar for the Refractor Arm down the mounting pole into the desired position and tighten the allen key with the 5/32 wrench.
- Slide the Refractor Arm (with the lock ring to the bottom) down the vertical post to the desired position and tighten the lock handle to secure it in place.
- Slide the white refractor bearing collar down the pole until it is in place over the refractor arm mount.
- Slide the refractor mounting bar into the Refractor Arm and tighten in place.
- Any exposed wires from auxiliary instruments can be concealed in the refractor arm by pulling up the wire cover strip, feeding the wire into the slot in the arm, and replacing the cover strip.



A. Refractor arm safety collar  
B. Refractor arm lock handle  
C. Refractor mounting bar  
D. Wire cover strip



# Installation And Assembly (continued)

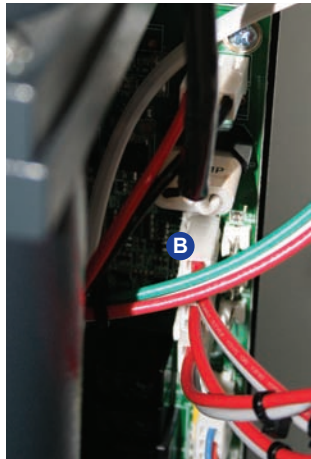
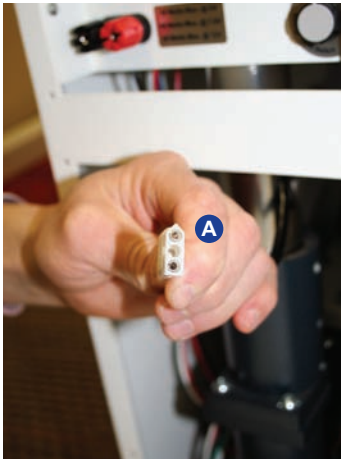
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## Overhead Lamp Assembly

1. Feed the lamp cord through the mounting pole. Fit the rod cap with lamp wire extended into the top of the pole.



2. Connect the lamp cord to the keyed plug in the stand



- A. Keyed lamp plug
- B. Lamp cord plugged in

3. Connect the lamp assembly to the lamp plug at the top of the pole.



# Installation And Assembly (continued)

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## Counterbalancing of Lower Instrument Arm

**WARNING: THE LOWER INSTRUMENT ARM CAN RISE ABRUPTLY IF THE LOCK RELEASE LEVER IS PRESSED WHEN THE ARM IS IN THE DOWN POSITION AND IS NOT BALANCED. DO NOT LEAVE THE ARM IN THE DOWN POSITION WITHOUT AN INSTRUMENT INSTALLED ON THE ARM OR ACCIDENTAL MOVEMENT OF THE ARM MAY OCCUR, POTENTIALLY CAUSING INJURY.**

The counterbalance mechanism on the lower instrument arm is a compression spring.

The counterbalance is factory set to 30 lbs. Use the hex wrench provided to adjust the tension on the compression spring.



## Counterbalancing of Refractor Arm

**WARNING: THE REFRACTOR ARM CAN RISE ABRUPTLY IF THE LOCKING HANDLE IS RELEASED, WHEN THE ARM HAS BEEN LEFT IN A DOWNWARD POSITION, AND IT HAS NOT BEEN BALANCED. DO NOT LOCK THE ARM IN THE LOWER POSITION WITHOUT A REFRACTOR INSTALLED OR ACCIDENTAL MOVEMENT OF THE ARM MAY OCCUR, POTENTIALLY CAUSING INJURY.**

The counterbalance mechanism on the refractor arm is a compression spring. The counterbalance is factory set to 10 lbs. Adjust the tension on the spring by using a flat head screwdriver.



# Installation And Assembly (continued)

## Chair Set-Up

1. Connect the power cords to the stand and the chair and plug them into outlets.
2. Connect the Chair Power/Control Cord to the stand and the chair.
3. Connector the Foot Switch to the connector on the chair base.

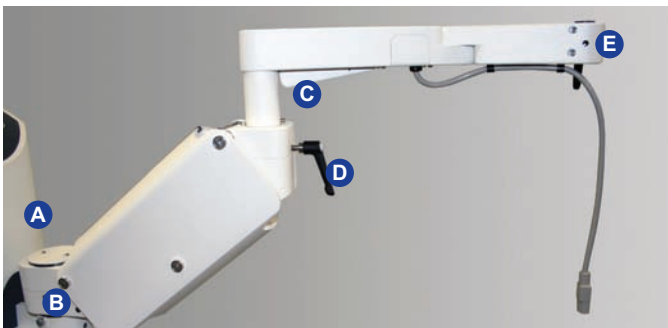


## Operation

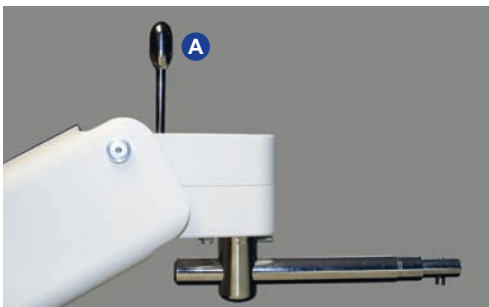
### Lower Instrument Arm

There are three locking handles on the lower instrument arm: one that controls the position of the lower section of the arm, one that controls movement of the upper section of the arm, and one that tightens and loosens the slit lamp table. Turn the locking handles to the right to tighten and hold the arm in position, and turn them counterclockwise to loosen the handle and move the arm into a different position.

Press the release latch in the upper section of the arm to raise and lower the entire arm.



- A. Locking handle of the lower section of the arm (not shown)
- B. The chair moves up and down from this pivot point.
- C. Lower arm release latch
- D. Locking handle for the upper section of the arm
- E. Slit Lamp table locking handle



### Refractor Arm

The position of the refractor arm can be raised or lowered by releasing the locking handle. Push the handle away from yourself to release it. Pull the handle toward yourself to lock the refractor arm in place.

- A. Refractor arm locking handle

# Operation (continued)

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## Control Panel

The Control Panel (See page 15 for Control Panel diagram) contains all of the electrical controls except (1) the Main Power ON/OFF Switch, (2) a secondary Chair UP/DOWN Switch and (3) the Lower Arm Vertical Motion Switch.

### Main ON/OFF Switch

Located on the bottom left corner of the back of the stand the Main ON/OFF Switch controls the electric power for the entire stand. This switch is a rocker type. Press the side with the straight line “I” to turn the stand ON. You will hear a beep that indicates the stand is energized. Press the side with the circle “O” to turn the stand OFF.

### Chair UP/DOWN Switch

Press and hold the UP Arrow to raise the chair. Press and hold the DOWN Arrow to lower the chair. Press the AUTO button for Auto-Down mode.

Note: The Chair can be operated from the Foot-Switch or Lower Arm Switch as well.

### Lower Instrument Arm ON/OFF Switch

The S.L. Switch is a push type on-off switch to control the electricity to the outlet on the Lower Instrument Arm. If the switch is off, depressing it once will turn it on and apply power to the outlet on the Lower Instrument Arm. If the switch is on, depressing it once will turn the switch off. An LED just to the left of the switch illuminates to indicate the switch is on.

### Chart Projector ON/OFF Switch

The C.P. Switch is a push type on-off button. It controls the electricity to the C.P. Outlet on the lower left of the Auxiliary Power Panel. If the switch is OFF, pressing the switch once will turn it on. If the switch is on, pressing the switch once will turn it off. An LED just to the left of the switch lights up when the switch is ON.

### Accessory ON/OFF Switch

The ACC Switch is a push type on-off switch. It controls the electricity to the ACC Outlet on the left of the Power Input Panel when facing the back of the stand. If the switch is OFF, pressing the switch once will turn it ON. If the switch is ON, pressing the switch once will turn it OFF. An LED just to the left of the switch lights up when the switch is ON.

## Charging Wells

**CAUTION: DO NOT ATTEMPT TO STORE HANDLES THAT USE ONLY ALKALINE BATTERIES IN THE CHARGING WELLS OR DAMAGE TO THE CHARGING WELLS OR HAND-HELD INSTRUMENTS MAY OCCUR.**

The Charging Wells are designed for hand-held instruments with a rechargeable battery. The Charging Wells will charge instrument batteries as long as the instrument handle is fully inserted in the well. There is a Charge Indicator Light beneath each well that indicates an instrument is properly seated and charging.

Note: Your hand-held instruments must be turned OFF prior to placing them in the Charging Well. Additionally, the Stand Main ON/OFF Switch must be ON for the instrument batteries to charge.

# Operation (continued)

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## Overhead Lamp ON/OFF Brightness Controls

The area labeled “LAMP” has 3 separate buttons and a minimum to maximum LED scale. Pressing the Up or Down Arrow one position at a time will increase or decrease lamp intensity. Pressing the POWER Switch will apply power to the Overhead Lamp. The LED on the scale will flash indicating power is applied to the lamp. Pressing the POWER Switch again removes power from the Overhead Lamp and the LED will remain ON.

## Corded Instrument Voltage Selector

Locate the Voltage Limit Switch for corded instruments located on the rear of the stand. Refer to the [Features and Functions](#) section of this manual. Using a small flathead screwdriver, adjust the switch to the maximum voltage of your corded instrument connected to the Binding Post.

**CAUTION: DO NOT SELECT A VOLTAGE THAT EXCEEDS THE VOLTAGE RATING OF THE BULB IN YOUR INSTRUMENT OR DAMAGE TO THE BULB MAY OCCUR.**

Once the maximum voltage has been selected, press the Power Button in the area labeled “VOLTAGE” to turn your corded instrument on and off. Pressing the Up or Down Arrow one position at a time will increase or decrease the voltage to the corded instrument connected to the Binding Posts of the stand within the range of the maximum voltage set by the Voltage Limit Switch on the rear of the stand.

## Overhead Lamp

**WARNING: DO NOT TOUCH THE LAMP SHADE DIRECTLY NEAR THE BULB OR SERIOUS INJURY MAY OCCUR. GRASP THE OPEN RING HANDLE AROUND THE LAMP TO ADJUST THE POSITION OF THE LAMP ASSEMBLY TO AVOID INJURY.**

**WARNING: TO REDUCE THE RISK OF STATIC SHOCK, DO NOT TOUCH THE OVERHEAD LAMP AND A PATIENT AT THE SAME TIME.**

To operate the Overhead Lamp you must:

1. Switch on the Main ON/OFF Switch on the front of the stand.
2. Press the Lamp POWER Switch on the Control Panel.
3. Press the Left or Right Arrow to increase or decrease lamp intensity.
4. The lamp can also be turned on and off using the rocker switch on the lamp shade.

## Chair Operation

**CAUTION: THE LIFT MECHANISM IS EQUIPPED WITH A THERMAL CUTOFF SWITCH TO PROTECT THE MECHANISM FROM OVERHEATING. RAISING AND LOWERING OF THE CHAIR CONTINUOUSLY FOR APPROXIMATELY ONE AND A HALF MINUTES WILL ACTIVATE THE THERMAL CUTOFF SWITCH AND NOT ALLOW THE CHAIR TO BE RAISED OR LOWERED. ONCE THE THERMAL CUTOFF SWITCH HAS BEEN ACTIVATED, SEVERAL MINUTES OF COOLING TIME COMBINED WITH TURNING THE CHAIR MAIN POWER SWITCH OFF AND THEN ON AGAIN TO RESET THE SYSTEM ARE NECESSARY BEFORE THE LIFT MECHANISM WILL OPERATE AGAIN. THE TEMPERATURE AT WHICH THE SYSTEM IS ALLOWED TO OPERATE AFTER COOLING IS MUCH LOWER THAN THE CUTOFF TEMPERATURE, HENCE SEVERAL MINUTES OF COOLING TIME ARE REQUIRED.**

Note: To raise or lower the chair, the Main Power ON/OFF Switch on the front of the stand must be ON.

# Operation (continued)

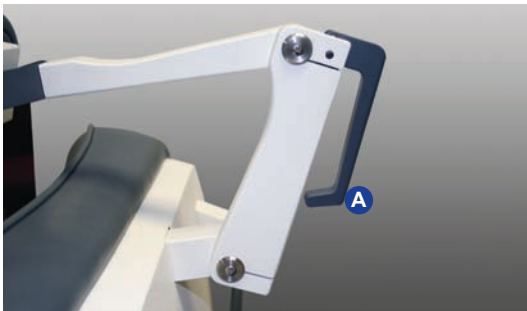
## Chair Operation (continued)



### Main ON/OFF Switch

Located on the bottom right corner of the back of the chair the Main ON/OFF Switch controls the electric power for the chair. This switch is a rocker type. Press the side with the straight line "I" to turn the stand ON. You will hear a beep that indicates the chair is energized. Press the side with the circle "O" to turn the chair OFF.

To raise the chair press the up arrow on the Foot Switch, the up arrow in the CHAIR section of the Control Panel, or the UP Switch on the Lower Instrument Arm. Press the down arrow on the Foot Switch, the down arrow in the CHAIR section of the Control Panel, or the DOWN Switch on the Lower Instrument Arm to lower the chair incrementally. Press the Auto-Down button to lower the chair to the lowest position.



### A. Head Rest

The Head Rest can be positioned by pulling the Lock Handle to the unlocked position, positioning the Head Rest in the desired position and squeezing the handle until it snaps into the locked position.



### B. Chair Tilt

The Chair Tilt can be positioned as required by squeezing the bar at the top back of the chair and positioning the patient in the desired degree of tilt. When the bar is released, the chair will lock into position. Slowly raise and lower the chair to the desired position.



### C. Chair Rotation

The release and lock lever for chair rotation is located at the bottom rear of the chair. Pull up with your foot to release the lock. Push down with your foot to lock the chair in position.

### Arm Rests

The Arm Rests can be positioned in the vertical or horizontal position as desired.

### Foot Rest

The Foot Rest can be positioned in the upright or horizontal position as needed.

# Maintenance

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There is no periodic or routine maintenance required.

## Cleaning

**WARNING: BEFORE CLEANING WITH A DAMP CLOTH, DISCONNECT OR UNPLUG THE STAND FROM ANY POWER SOURCE.**

**CAUTION: DO NOT USE SOLVENTS OR STRONG CLEANING SOLUTIONS ON ANY PART OF THE ADVANTAGE PLUS CHAIR & STAND OR DAMAGE TO THE UNIT MAY OCCUR.**

Clean the external surfaces of this instrument using a clean, soft cloth moistened with a mild detergent solution (1 cc of liquid dish soap to one liter of clean, filtered water (filtered below 5 microns)).

## Troubleshooting

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If your Stand does not function at all:

1. Check your facility power source. Is the outlet “live”?
2. Check your electrical connections.

**WARNING: TO HELP PREVENT THE POSSIBILITY OF ELECTRICAL SHOCK, ALWAYS UNPLUG THE STAND BEFORE REMOVING OR REPLACING THE FUSES.**

3. Check the Fuses located on the Power Input Panel.

If the Overhead Lamp does not light:

1. Check the Stand Main ON/OFF Switch.
2. Check the ON/OFF Switch on the Overhead Lamp.

**WARNING: THE BULB MAY BE HOT! ALLOW TO COOL BEFORE REMOVING.**

3. Replace the halogen bulb. (P/N 15253-002-021)

## Accessories

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- Non-counterbalanced Keratometer Arm (P/N 15255)
- Counterbalanced Keratometer Arm (P/N 15254)
- Projector Arm Mount (P/N 15258)
- Touch up paint kit (P/N 15259)

# Specifications

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	Chair	Stand
Shipping Weight:	305 lbs	275 lbs (includes slit lamp & phorofter arm)
Gross Weight:	270 lbs	240 lbs (includes slit lamp & phorofter arm)
Baseplate:	20" wide by 22" deep	20" wide by 22" deep
Input Voltage:	120 VAC, 60Hz	120 VAC, 60Hz
Fuses:	6A Main	6A Main
Corded Instrument Voltages:	na	6V, 7.5V, 12V, 12V Fixed
Lifting Column:	500 lbs capacity	na
Patient Weight Limit:	350 lbs capacity	na
Lifting Column Stroke:	8"	na
Rotation:	360°	na
Chair Tilt:	45°	na
	Slit Arm Lamp:	Phorofter Arm:
Weight:	30 lbs	10 lbs
Stroke:	13.25"	12.25"
Counterbalance:	Up to 60 lbs	Up to 20 lbs
Lower Limit:	25"	na
Upper Limit:	38.5"	na

**WARNING: BEFORE CHECKING THE FUSES, DISCONNECT OR UNPLUG THE STAND FROM ANY POWER SOURCE.**

# Storage & Transportation

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You should observe the following conditions when storing or transporting this unit:

Storage	Recommended Ranges	Transportation	Recommended Ranges
Temperature range:	-10° C to +55° C	Temperature range:	-40° C to +70° C
Relative humidity:	10% to 95%	Relative humidity:	10% to 95%
Atmospheric Pressure:	70 to 106 kPa	Atmospheric Pressure:	50 to 106 kPa

# Disposal

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This product does not generate any environmentally hazardous residues. At the end of its product life, follow your local laws and ordinances regarding the proper disposal of this equipment.



# Warranty

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This product is warranted by Reichert, Inc. against defective material and workmanship under normal use for a period of two years from the date of invoice to the original purchaser. The linear actuator lift mechanism is warranted for five years against defective material and workmanship under normal use. (An authorized dealer shall not be considered an original purchaser.) Under this warranty, Reichert's sole obligation is to repair or replace the defective part or product at Reichert's discretion.

This warranty applies to new products and does not apply to a product that has been tampered with, altered in any way, misused, damaged by accident or negligence, or which has had the serial number removed, altered or effaced. Nor shall this warranty be extended to a product installed or operated in a manner not in accordance with the applicable Reichert instruction manual, nor to a product which has been sold, serviced, installed or repaired other than by a Reichert factory, Technical Service Center, or authorized Reichert Dealer.

Lamps, bulbs, charts, cards and other expendable items are not covered by this warranty.

All claims under this warranty must be in writing and directed to the Reichert factory, Technical Service Center, or authorized instrument dealer making the original sale and must be accompanied by a copy of the purchaser's invoice.

This warranty is in lieu of all other warranties implied or expressed. All implied warranties of merchantability or fitness for a particular use are hereby disclaimed. No representative or other person is authorized to make any other obligations for Reichert. Reichert shall not be liable for any special, incidental, or consequent damages for any negligence, breach of warranty, strict liability or any other damages resulting from or relating to design, manufacture, sale, use or handling of the product.

If notified promptly in writing of any action brought against the purchaser based on a claim that the instrument infringes a U.S. Patent, Reichert will defend such action at its expense and will pay costs and damages awarded in any such action, provided that Reichert shall have sole control of the defense of any such action with information and assistance (at Reichert's expense) for such defense, and of all negotiation for the settlement and compromise thereof.

Reichert reserves the right to make changes in design or to make additions to or improvements in its products without obligation to add such to products previously manufactured.

We use extreme care in selection, checking, rechecking and packing to eliminate the possibility of error. If any shipping errors are discovered:

1. Carefully go through the packing materials to be sure nothing was inadvertently overlooked when the unit was unpacked.
2. Call the dealer you purchased the product from and report the shortage. The materials are packed at the factory and none should be missing if the box has never been opened.
3. Claims must be filed within 30 days of purchase.

Our shipping responsibility ceases with the safe delivery in good condition to the transportation company. Claims for loss or damage in transit should be made promptly and directly to the transportation company.

If, upon delivery, the outside of the packing case shows evidence of rough handling or damage, the transportation company's agent should be requested to make a "Received in Bad Order" notation on the delivery receipt. If within 48 hours of delivery, concealed damage is noted upon unpacking the shipment and no exterior evidence of rough handling is apparent, the transportation company should be requested to make out a "Bad Order" report. This procedure is necessary in order for the dealer to maintain the right of recovery from the carrier.

# Notes

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# Notes

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