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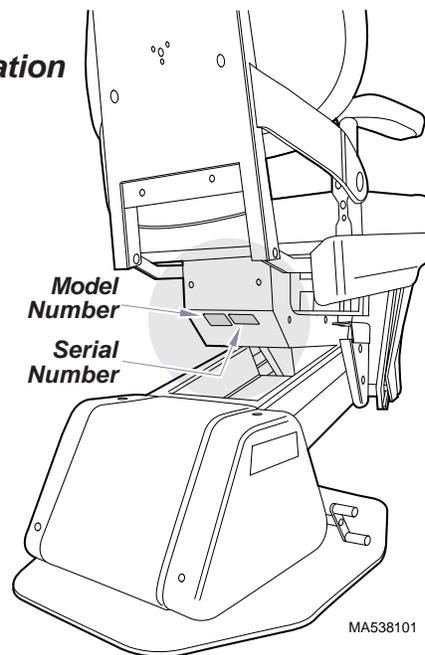
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Important Information

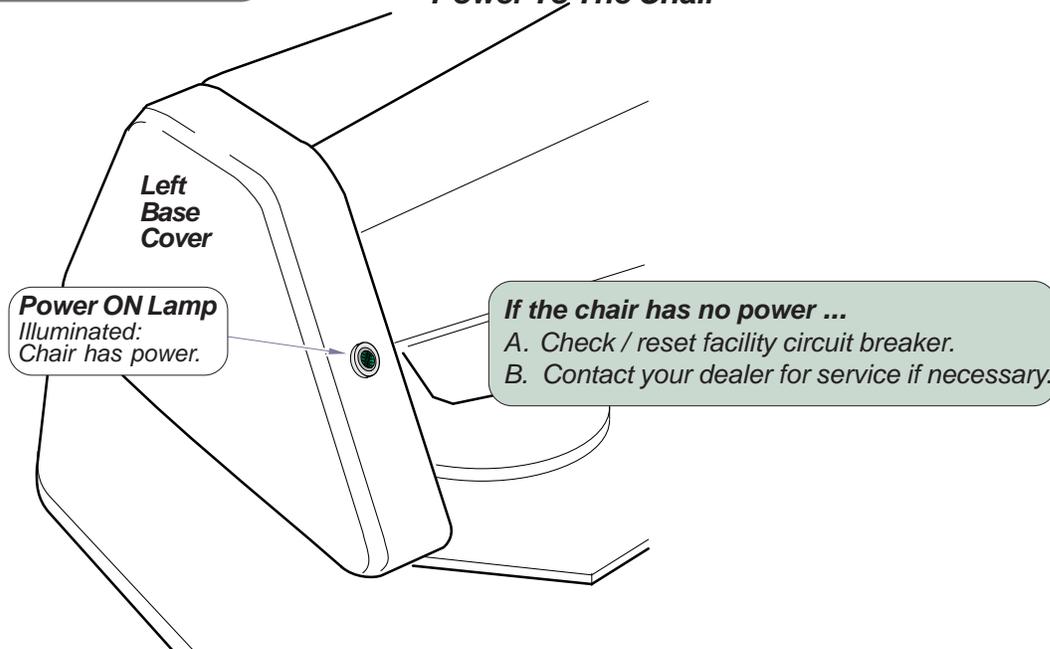
Intended Use

To provide patient support and positioning during otolaryngology exams.

Serial Number Location



Power To The Chair



Important Information

Safety Symbols



Caution

Indicates a potentially hazardous situation which could result in injury if not avoided.



Equipment Alert

Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note

Amplifies a procedure, practice, or condition.

Safety Instructions



CAUTION

Be sure that all personnel and equipment are clear of the table before activating any function. Failure to do so could result in personal injury.

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air, or oxygen or nitrous oxide.

Assure chair is attached to a dedicated circuit suited for the electrical specifications of the chair.

Do not use the chair if the supply cord is frayed or worn.

Ground reliability can only be achieved if this equipment is connected to an equivalent receptacle marked "**Hospital Grade**".

Electromagnetic Interference

This Ritter Chair is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this table:

- Remove interfering device from room
- Plug chair into an isolated circuit
- Increase separation between chair and interfering device

Certifications



For Otolaryngology (ENT) Chair Models:
391-002

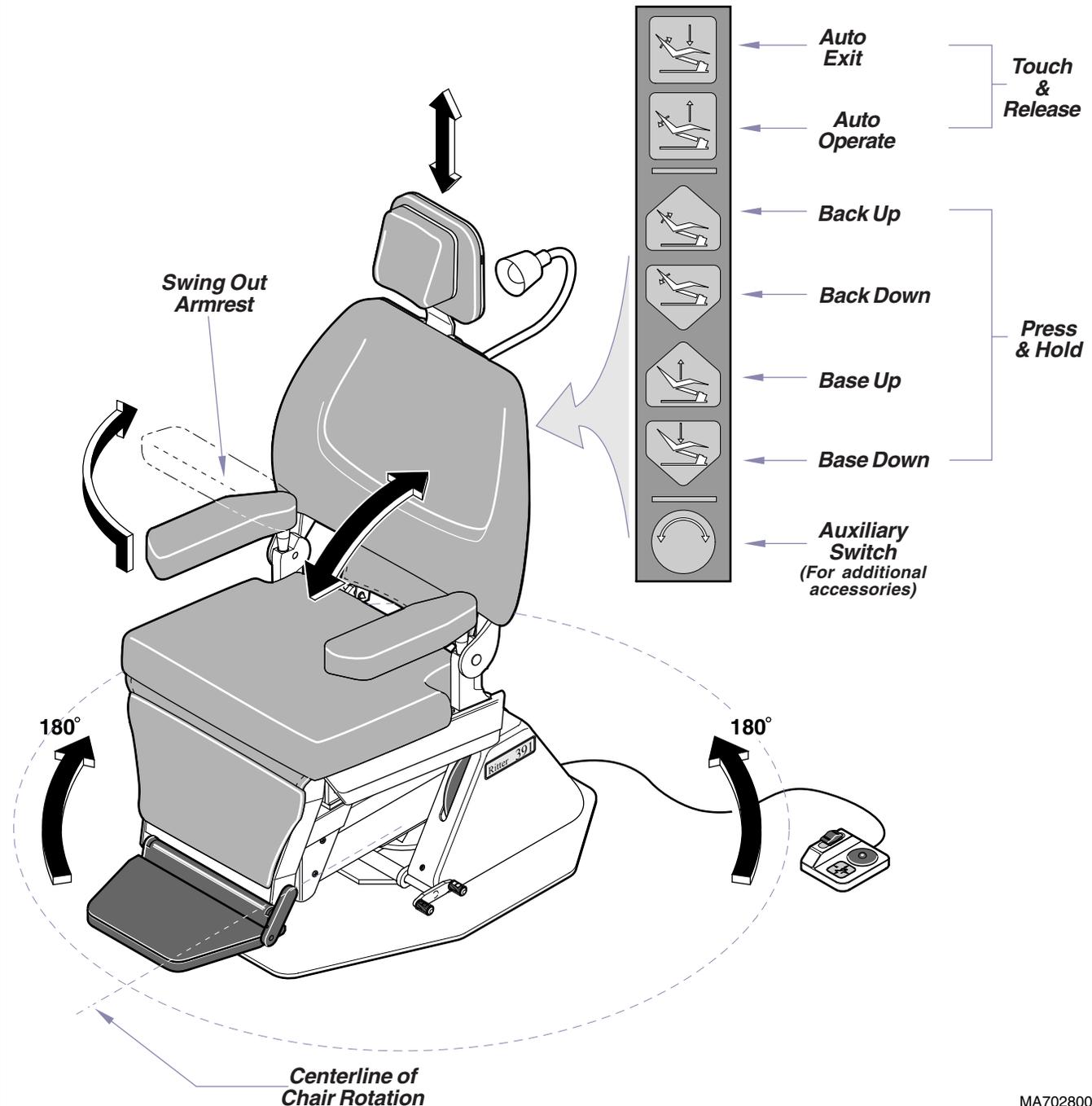
Touch Pad & Chair Operation

Touch Pad Location

The chair position touch pads allow you to position your patient from either side of the chair. Additional touch pads are available as options on delivery units and casework.

Note

The Automatic Functions may be *stopped* during operation by depressing any switch on the touch pad or operating the foot control.



MA702800i

Foot Control Operation

Note
The Automatic Functions may be *stopped* during operation by depressing any switch on the touch pad or operating the foot control.

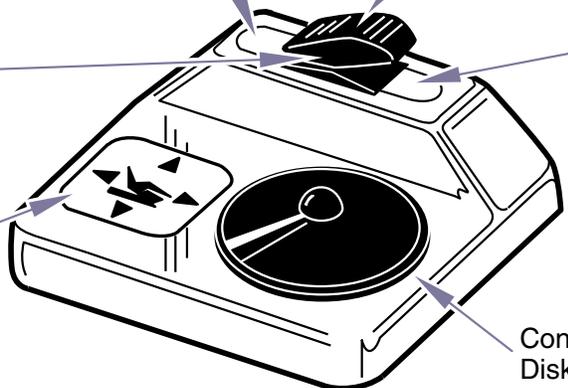
Automatic Operate
Momentarily pressing and releasing to the Green position activates the Pre-programmed Automatic Positioning.

Manual Operation
Place Selector in Neutral (Middle) position and Operate Control Disk to position chair manually.

Selector Switch
Toggles from its Neutral (Manual) position to
• Automatic Operate (Green)
or
• Automatic Exit (Yellow) positions

Automatic Exit
Momentarily pressing and releasing to the Yellow position activates the Pre-programmed Exit Positioning.

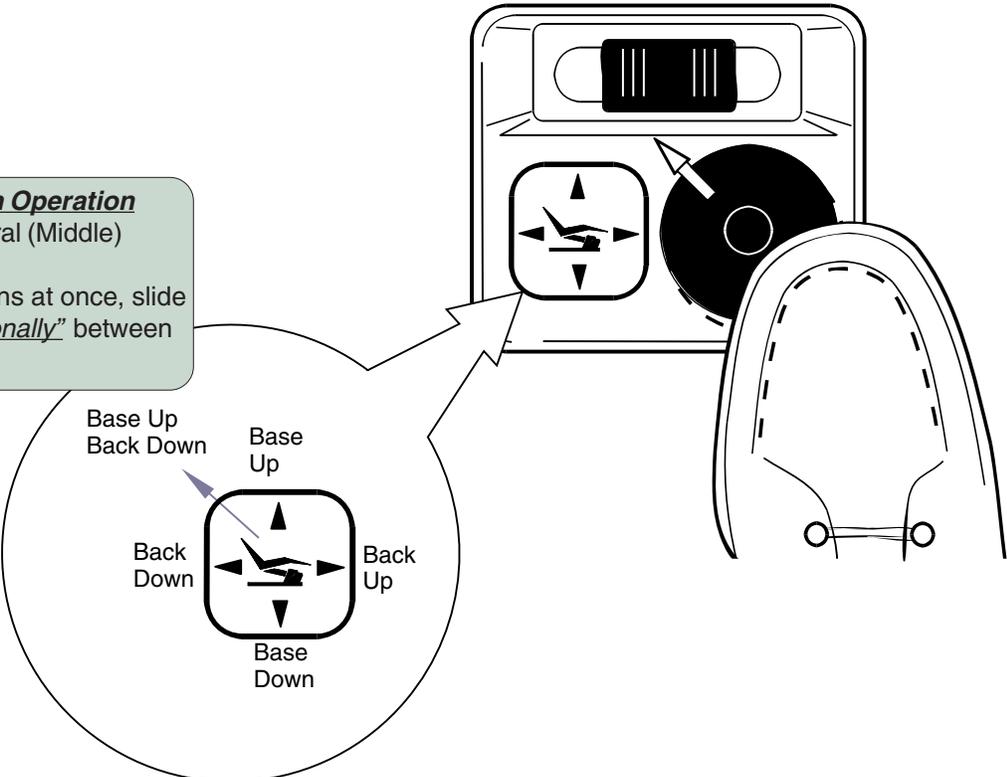
Illustration Of Disk Functions



Control Disk

DA167500i

Manual, Two Position Operation
Place Selector in Neutral (Middle) position.
To activate *two* functions at once, slide the Control Disk "*Diagonally*" between the two positions.



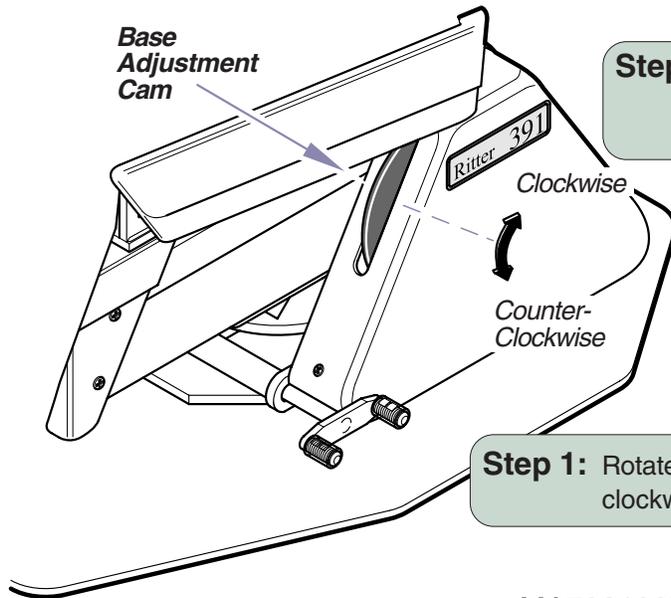
DA167600i

Operation / Adjustments

Base Programming Procedure.

The *Automatic Operate* function positions can be adjusted.

The *Automatic Exit* function positions have been preset at the factory and cannot be adjusted.



Step 3: Rotate Cam Clockwise until limit switch clicks (opens).

Step 2: Move Chair base to desired position using Base Up or Base Down touch pads.

Step 1: Rotate Cam Counter-clockwise until it stops.



DA16800i

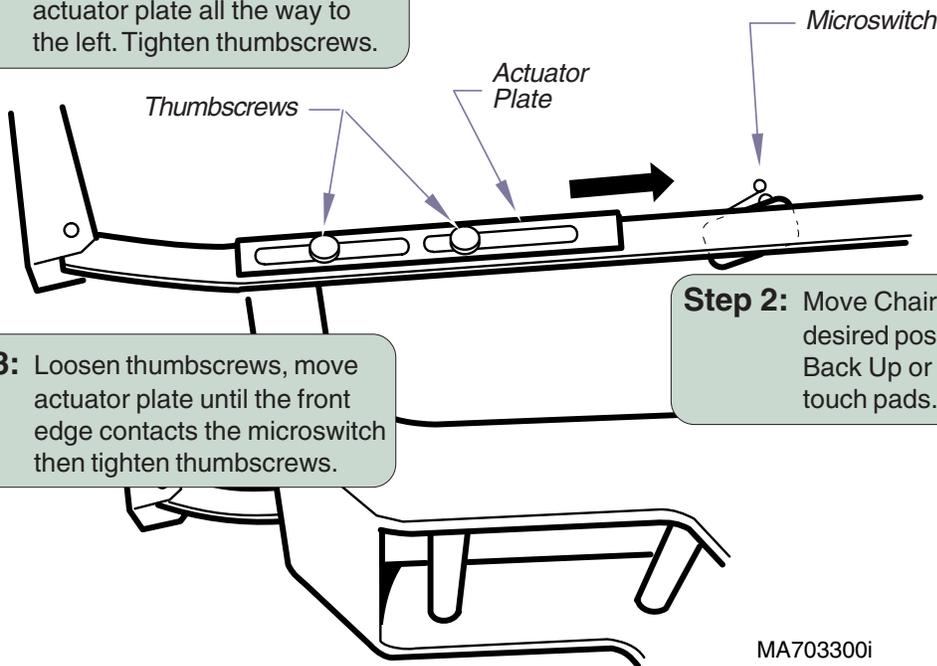
MA703100i

Back Programming Procedure.

The *Automatic Operate* function positions can be adjusted.

The *Automatic Exit* function positions have been preset at the factory and cannot be adjusted.

Step 1: Loosen thumbscrews and move actuator plate all the way to the left. Tighten thumbscrews.



Step 3: Loosen thumbscrews, move actuator plate until the front edge contacts the microswitch then tighten thumbscrews.

Step 2: Move Chair back to desired position using Back Up or Back Down touch pads.



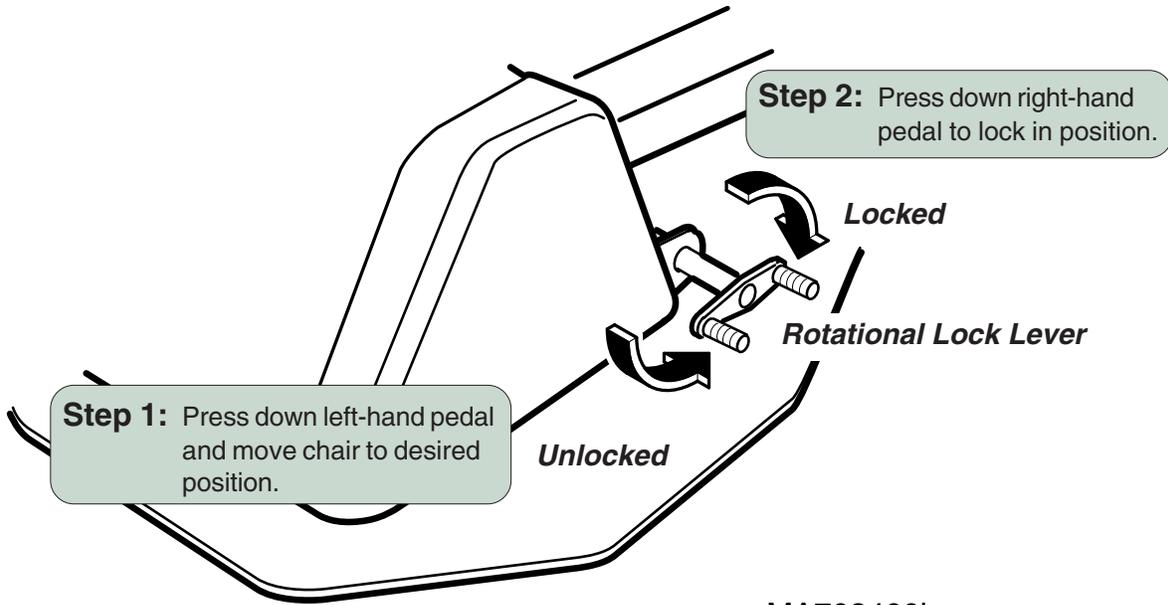
DA16820i

MA703300i

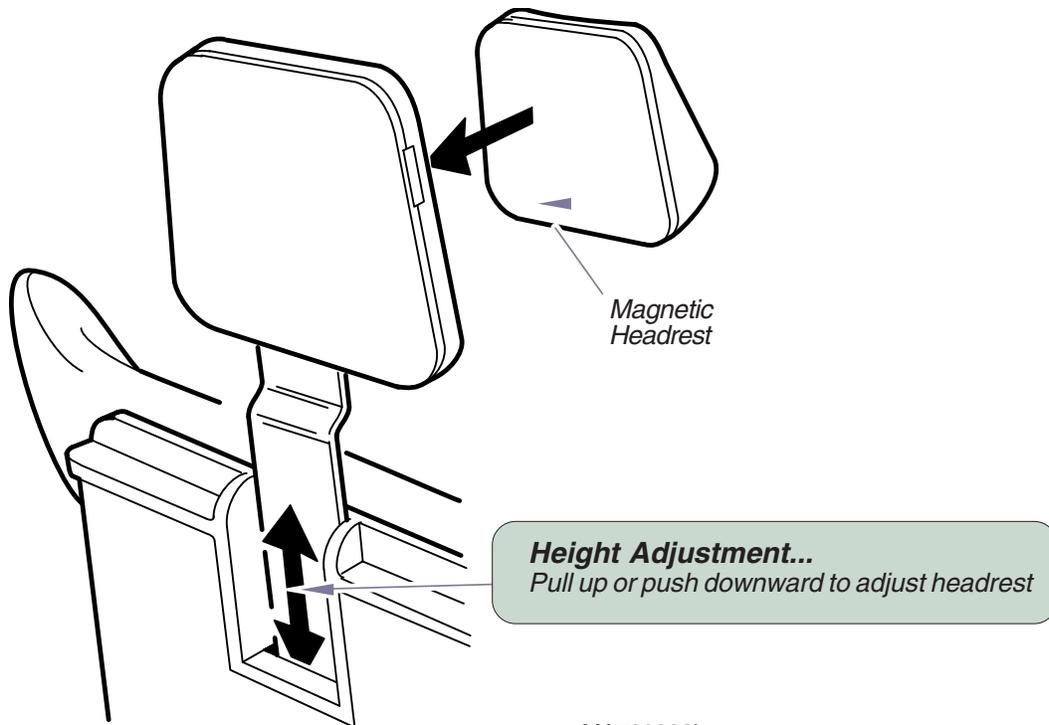
Operation / Adjustments

Rotation Base.

The chair will rotate at the base a total of 360° (180° on either side of center line).



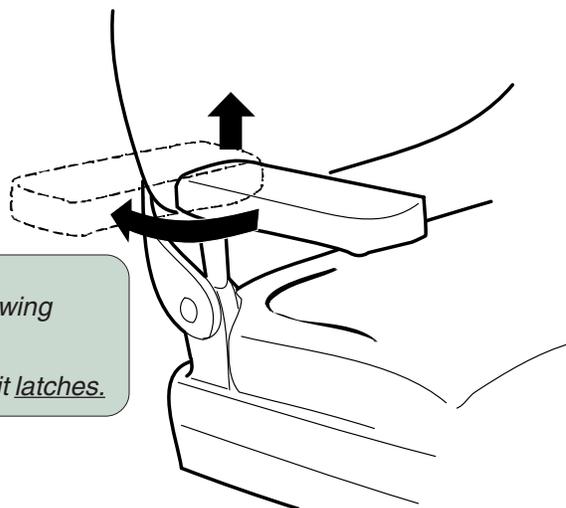
Headrest Adjustments



Operation / Adjustments

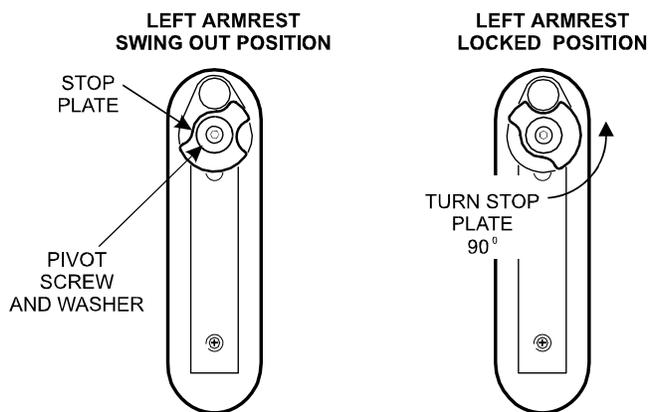
Swing Out Armrest

Swing Out Armrest
A. Pull up on armrest and swing away from chair.
B. Have patient be seated.
C. Push armrest back until it latches.



DA703000i

Note
It is recommended disabling the swing out feature on the side opposite patient access by locking the armrest.



Step 1: Remove pivot screw and washer on underside of armrest.

Step 2: Turn the stop plate 90° then, replace pivot screw and washer.

Cleaning / Maintenance

Disinfecting External Surfaces

Attention!

Midmark assumes no responsibility or liability for any result, expressed or implied. These are suggested practices, based on the best information available at this time.

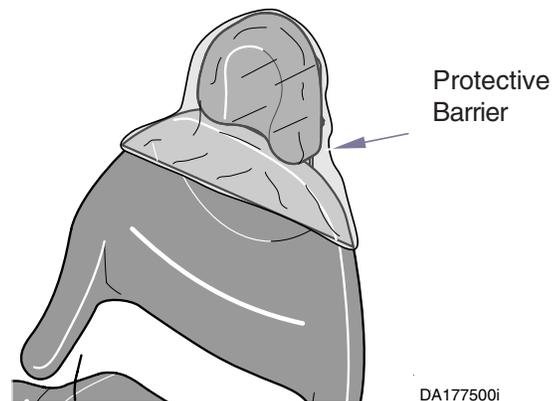
Barriers:

Note

The use of single-use barriers and disposable items will significantly reduce the frequency and need for chemical usage, thus prolonging the life of the equipment. Barrier material must be impervious (does not allow penetration or passage) to moisture / fluids.

Some examples:

- Plastic covers available at your dealer, or equipment manufacturer.
- Clear plastic wrap
- Plastic bags
- Plastic sheets
- Plastic tubing
- Plastic-backed paper
- Similar materials



DA177500i

At the beginning of each workday...

Use barrier protection to cover any surfaces that must be protected from contamination.

Note: Barriers should always be changed between patients.



WARNING

If a surface has been contaminated, it will need to be cleaned and disinfected using proper techniques, and EPA-registered hospital disinfects.

Chemical Disinfectant:

Note

Every dental practice setting is different and no one disinfectant is the best choice for every facility. Due to this fact there are several organizations, educated in disinfection procedures, with web sites that can assist dental personnel in choosing what is best for their practice.

Listed below are several links to some of those sites.

Organization for Safety & Asepsis Procedures

<http://www.osap.org/index.cfm>

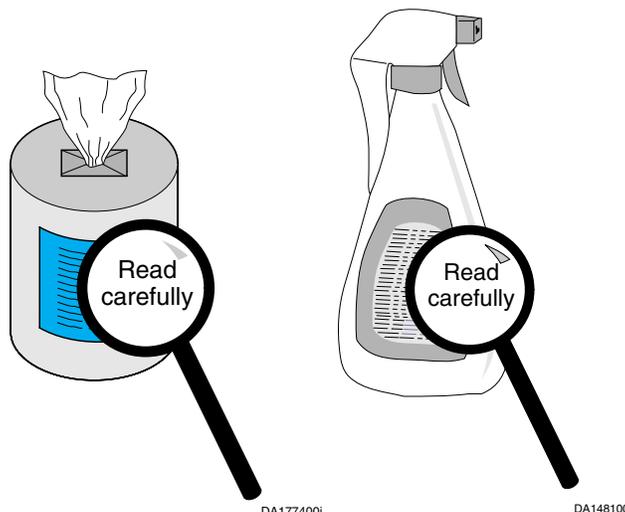
American Dental Association

<http://www.ada.org/prof/resources/topics/icontrol/index.asp>

Dept. of Health & Human Resources

Centers for Disease Control & Prevention (CDC)

<http://www.cdc.gov/OralHealth/infectioncontrol/index.htm>



DA177400i

DA148100i

When using a disinfectant:

- Carefully read the product label and directions for use.
- Do not exceed the dilution rate.



Equipment Alert

No materials available for the manufacture of dental equipment are impervious to every chemical. Midmark does incorporate the most chemical-resistant materials available in our dental line of equipment.

Use of barriers are the most effective means to prevent equipment damage.

Cleaning / Maintenance

Upholstery (Cleaning & Removal)

After following the recommended disinfection procedures outlined by the listed organizations on the previous page wipe off the remaining disinfectant residue from the upholstery. Use a mild soap and water solution for this procedure.

Spot cleaning use mild soap and water

Difficult stains use a mild solvent such as Fantastik® and 409® brand cleaners

[Allow upholstery to air dry, or use a hair dryer on the lowest setting]

Calling For Service [Product serial number is required]

If service is required, contact your Midmark dealer or to locate your nearest service provider, log onto:

http://www.midmark.com/?url=trnd_srv_providers.asp

To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662

8:00 am until 5:00 pm. Monday through Friday (EST)

[excluding standard U.S. holidays]

Specifications

Weights, Dimensions, Electrical Specifications

Patient Weight (Maximum) 325 lbs (147.4 kgs)

Weight of Chair:

Without Shipping Carton 355 lbs (161.0 kg)

With Packaging & Skid 367 lbs (166.5 kg)

Electrical Requirements: 120 VAC Nominal +/- 10%, 50/60 Hz, 8.0 Amp, Single Phase.

Fuses: [See Chart]

Protection against ingress of fluids: Ordinary Equipment

Fire Code Ratings: All Midmark Standard Upholstery sets comply with:
California Bureau of Home Furnishing Tech. Bulletin 117.

Classifications Class 1, Type B Applied Part, Ordinary Equipment

Duty Cycle: Intermittent Operation, (On 30 secs.- Off 5 min).

Certifications:

Midmark Corporation ISO 9001 Certified

Model 391-002 ETL Classified, conforms to UL STD. 60601-1
Certified to CAN/ CSA STD. C22.2 NO. 601.1

Fuse Characteristics

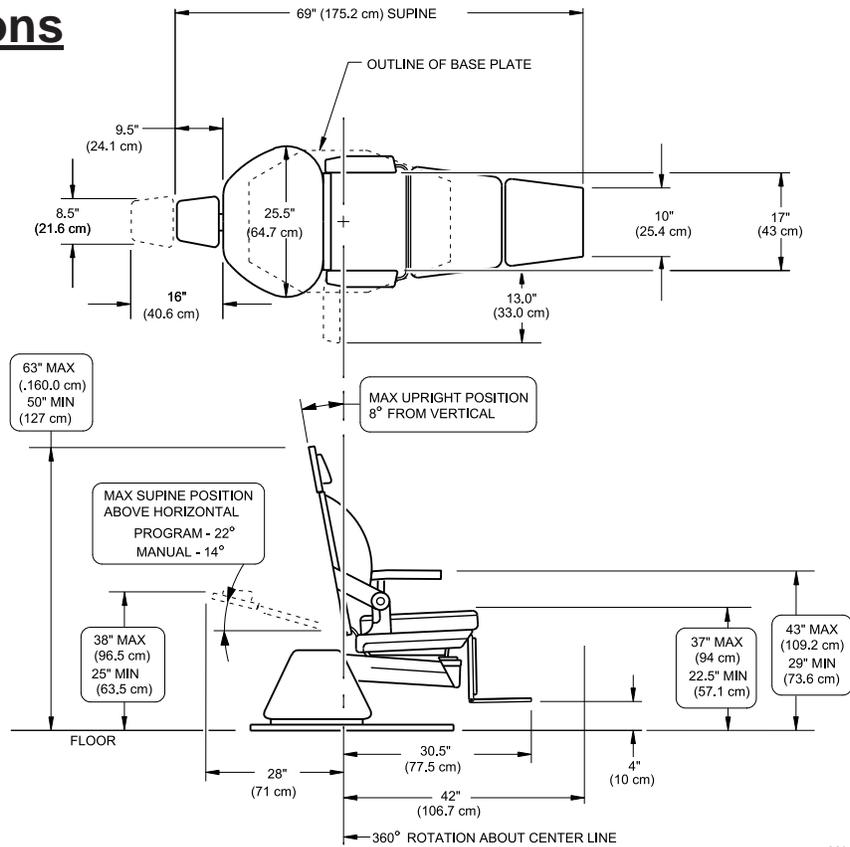


Caution

Only people qualified in electrical service should attempt to replace the fuse(s).
Always disconnect power to the chair before removing any component or panel.

Model Number	Voltage (VAC)	Fuse Characteristics			
		Motor Fuse w/ Spare (F1) [located on PCB]	Transformer Fuse w/ Spare (F2) [located on PCB]	Light (F3) [located on PCB]	External Line Fuse (F4) [located on cover]
391-002	120	10A, 250V, Type F Fast-Acting	1/2A, 250V, Type T Slow-Acting	1/2A, 250V, Type T Slow-Acting	10A, 250V, Type F Fast-Acting (Qty 1)

Specifications



MA538002

SCOPE OF WARRANTY

Midmark Corporation ("Midmark") warrants to the original retail purchaser that it will repair or replace components of the domestic and international medical products manufactured by Midmark (except for components not warranted under "Exclusions") that are defective in material or workmanship under normal use and service. Midmark's obligation under this warranty is limited to the repair or replacement, at Midmark's option, of the applicable components. This limited warranty shall only apply to defects that are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective. This warranty extends only to the first retail purchaser of a product and is not transferable or assignable.

APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

- (A) Ultrasonic cleaner products are guaranteed for a period of two (2) years after ship date when used in accordance with manufacturer's instructions.
- (B) Replacement parts and accessories carry a ninety (90) day warranty.

OBTAINING WARRANTY SERVICE

Warranty service must be obtained through either Midmark or an authorized dealer in the Midmark product line for which warranty service is requested. Midmark may be contacted for warranty service inquiries or issues via email at www.midmark.com; by phone at 1-800-MIDMARK; by facsimile at 1-800-365-8631; or by mail to Midmark Corporation, 60 Vista Drive, Versailles, Ohio 45380.

It is the retail purchaser's obligation to arrange for delivery of a product to Midmark or one of its authorized dealers for warranty service, which delivery shall be at retail purchaser's expense. It is also the retail purchaser's obligation to comply with the warranty service instructions provided either by Midmark or its authorized dealer. The retail purchaser must provide Midmark with completed warranty registration information within thirty (30) days after purchase in order to obtain the benefits of this warranty.

EXCLUSIONS

This warranty does not cover, and Midmark shall not be liable, for the following:

- (1) defects, damage or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering or failure to seek and obtain repair or replacement in a timely manner;
- (2) products which are not installed, used, and properly cleaned and maintained as required in the Midmark "Installation" and/or "Installation/Operation Manual" for the applicable product;
- (3) products considered to be of a consumable nature;
- (4) accessories or parts not manufactured by Midmark;
- (5) charges by anyone for adjustments, repairs, replacement parts, installation or other work performed upon or in connection with such products which are not expressly authorized in writing in advance by Midmark;
- (6) costs and expenses of routine maintenance and cleaning; and
- (7) representations and warranties made by any person or entity other than Midmark.

EXCLUSIVE REMEDY; CONSEQUENTIAL DAMAGES DISCLAIMER:

MIDMARK'S ONLY OBLIGATION UNDER THIS WARRANTY IS THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. MIDMARK SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES OR DELAYS, INCLUDING BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS OR INCOME, LOSS OF USE, DOWNTIME, COVER AND EMPLOYEE OR INDEPENDENT CONTRACTOR WAGES, PAYMENTS AND BENEFITS.

NO AUTHORIZATION

No person or firm is authorized to create or approve for Midmark any other obligation or liability in connection with the products.

WARRANTY DISCLAIMER

THIS WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

STATUTE OF LIMITATIONS

No action may be brought against Midmark for breach of this limited warranty, an implied warranty, if any, or for any other claim arising out of or relating to the products, more than ninety (90) days following expiration of the limited warranty period.

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