INSTRUCTIONS
FOR USE

A-dec® 311/411

DENTAL CHAIRS

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Regulatory Information and Warranty

For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.

For quick access to this document online, scan, tap, or click this QR code, which points to: a-dec.com/regulatory-guide.

Product Service

Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or +1.503.538.7478 worldwide, or visit www.a-dec.com.

Product Models and Versions Covered in This Document*

Models	Versions	Description
311flt/311xlc	n/a	Dental Chair
311	B	Dental Chair
411	A	Dental Chair

** Equipment shown in this document may include optional features or accessories. Some products, versions, and options in this document may not be available in certain regions.*

CE Marking

The product models and versions listed below comply with applicable EU regulations across all EU member states:

Models	Versions	CE Mark
311xlc	n/a	CE
311	B	CE
411	A	CE

Content Map

A-dec 311B

A-dec 411

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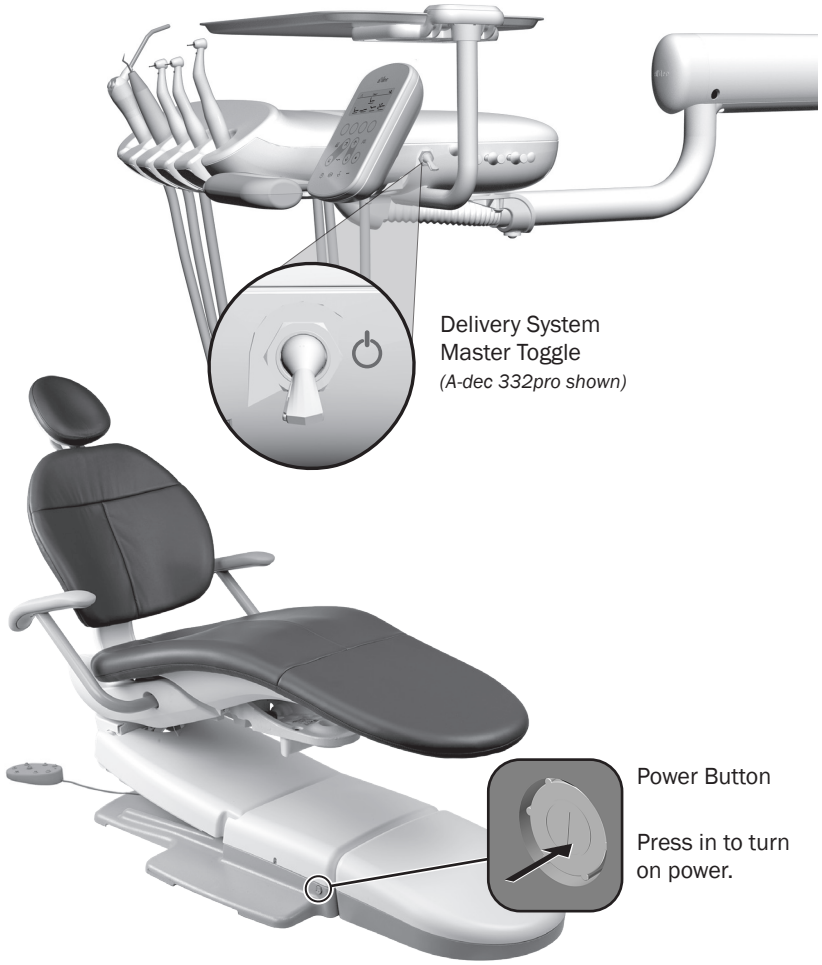
Operate/Adjust

Turn On/Turn Off the Power



Chairs with Delivery and Support Systems

If you have a chair with an attached system, use the master toggle to turn on the power, water, and air. The master toggle is normally located on the delivery system, but may instead be located on the support center or floor box on chairs without a delivery system.

If there is no power to the system, verify that the power button on the chair is pressed in. This button must be on in order for the master toggle to control system power.

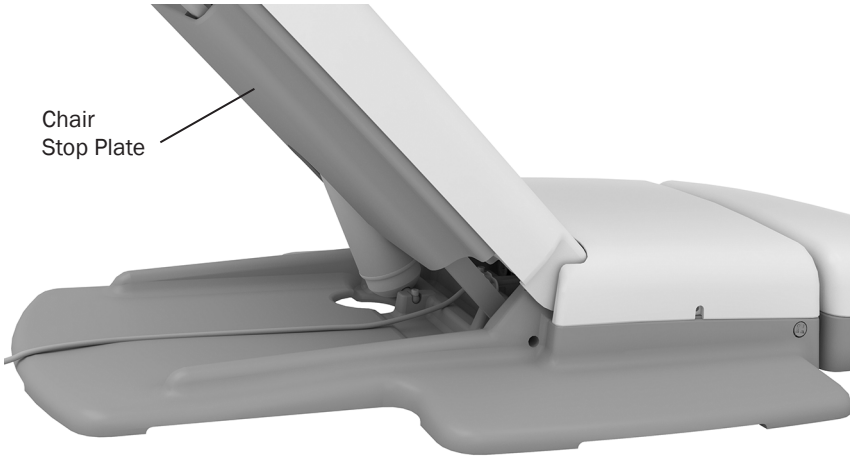
Chair-Only Configurations

If you have a chair-only configuration, press the power button on the chair to turn on or turn off the power.

When to Turn Off the Power

To save energy and reduce the chance of air leaks, press the power button to turn off power at the end of the day and before longer periods of non-use.

Chair Safety Features



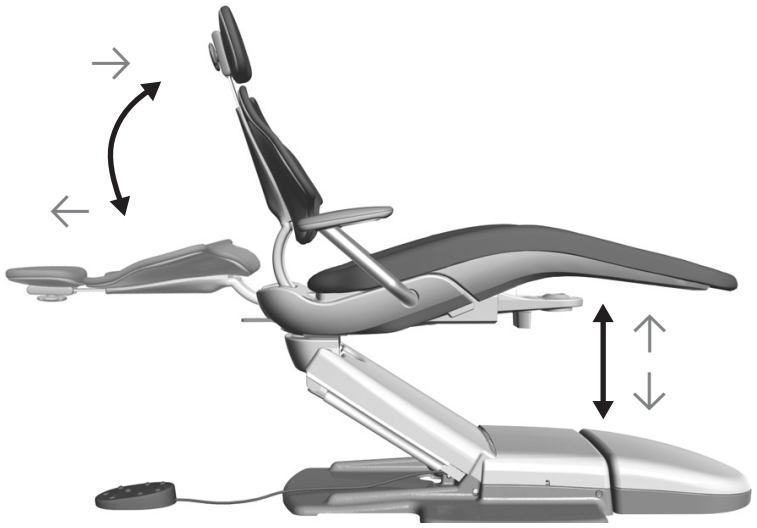
A-dec dental chairs and systems include safety features (like the chair stop plate) that may stop or prevent the chair from moving. This may occur due to any of the following:

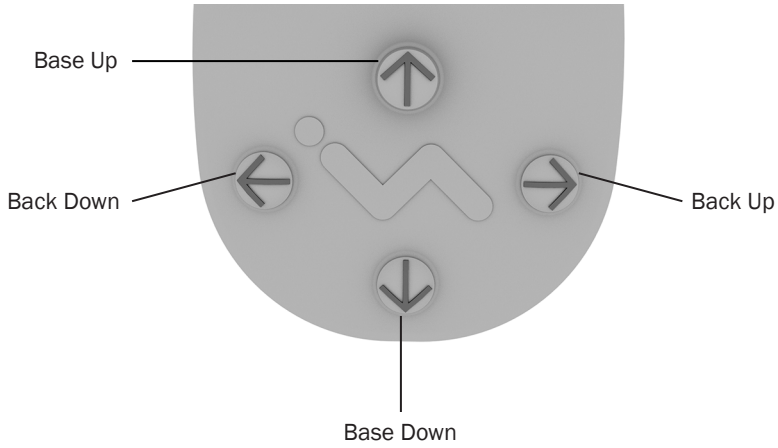
- There's an obstruction under the chair or attached module.
- The foot control disc or lever is pressed.
- A handpiece isn't properly seated in its holder.

If the Chair Stops Unexpectedly or Won't Move

Check for and correct any of the conditions listed above. If an obstruction is blocking chair movement, use the touch control or footswitch to raise the chair, then remove the obstruction.

Position the Chair with Manual Controls





IMPORTANT A-dec touch controls and the footswitch move the chair in the same manner. For information about your touch controls, see the user support materials included with your delivery system.

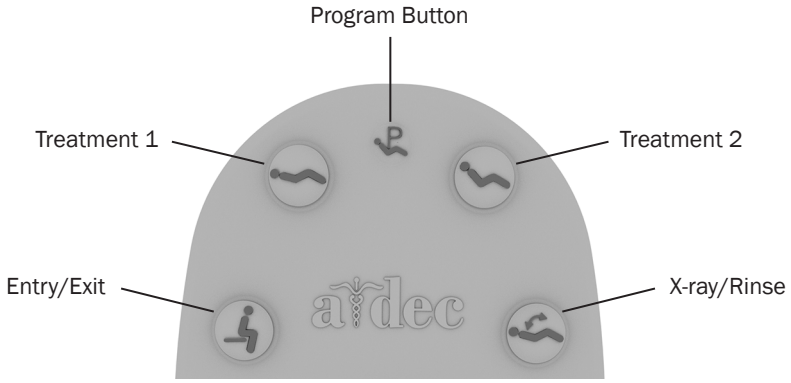
WARNING Ensure that the patient is positioned safely before using the manual or preset chair controls. Never leave the patient unattended while the chair is in motion. Always take extra care with small children and patients with limited mobility.

To stop the chair at any point during preset movement, press any chair positioning button on the footswitch or touchpad.

NOTE If you would like to adjust the maximum height of your chair, contact your local authorized A-dec dealer.

Icon/Function	Actions/Options
→ Back Up/ ← Back Down	Press and hold to raise or lower the chair back.
↑ Base Up/ ↓ Base Down	Press and hold to raise or lower the chair base.

Position the Chair with Preset Controls



Icon	Preset Name	Factory Setting
	Entry/Exit	Positions the chair for patient entry/exit.
	Treatment 1	Positions the chair base and back down.
	Treatment 2	Positions the chair base down and the back partially up.
	X-Ray/Rinse	Moves the chair to either x-ray or rinse position. A second press moves the chair to the previous position.

Press , , , or to move the chair to a preset position. See the table (below left) for factory settings.

Customize the Chair Preset Positions

To customize chair presets , , and :

1. Position the chair as desired.
2. Press and hold until you hear one beep, which indicates program mode is on.
3. Within five seconds, press the chair preset icon you want assigned to this new chair position (e.g., press). Three beeps indicate that your new setting is saved.

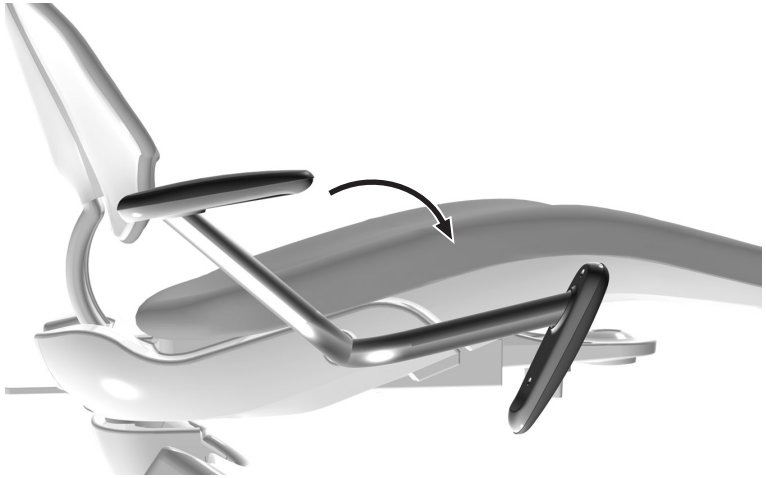
Customize the X-Ray/Rinse Chair Preset

The factory preset moves the chair and patient into an upright position for x-rays or cuspidor access. A second press of returns the chair to the previous position.

You can also set to function as a customized chair preset position. To change its function:

1. Press and at the same time and hold for three seconds.
   - One beep indicates is set as another customizable chair preset button.
   - Three beeps indicate that is set as the x-ray/rinse factory preset (which toggles between the x-ray/rinse position and the previous chair position).
2. If you set as another customizable chair preset and want to assign a different chair position, follow the steps outlined above in "Customize the Chair Preset Positions."

Prepare the Chair for the Patient



Position the Armrests

WARNING Do not allow patients to drop their arms behind the armrests or under the backrest, or injury may occur when the chair moves.

Move the armrest out of the way to allow for easier patient entry/exit and improved operator access when working direct. Simply push or pull the armrest into position.

Encourage a Proper Seating Position

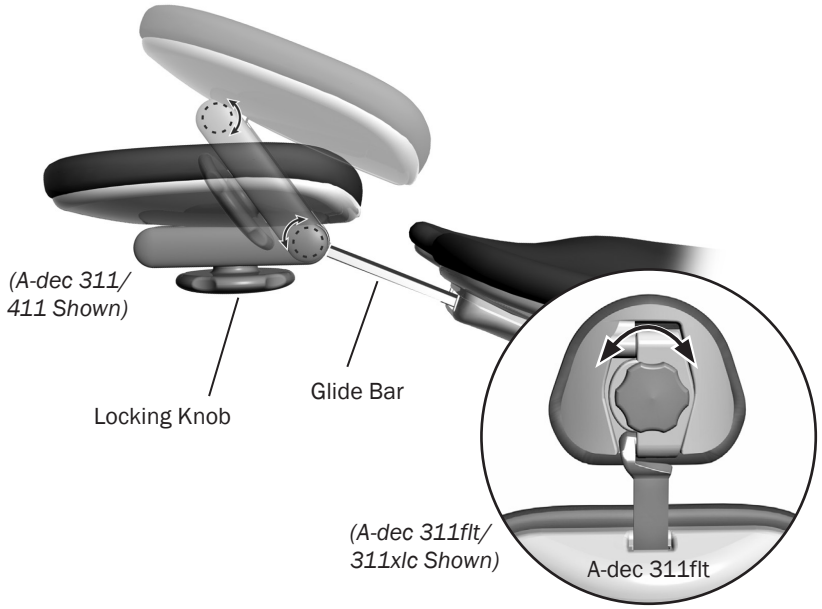
To properly seat patients in the chair, ask them to sit as far back in the seat as possible. This ensures the best alignment with the lumbar support and comfort for the patient.

For optimal comfort, patients can place their forearms on the armrests or keep their arms comfortably folded on their lap.

TIP Before the patient sits down in the chair, leave the headrest at a higher position. This will encourage the patient to sit all the way back in the chair. Adjust the headrest once the patient is seated to improve patient comfort and operator access to the oral cavity.

TIP For patients who require additional support to exit the chair, leave the armrests in the standard position.

Prepare the Chair for the Patient *(continued)*



Position the Headrest

The dual-articulating gliding headrest includes several features you can use to improve access to the oral cavity and increase patient comfort.

Use the glide bar to accommodate a variety of patient heights. Simply pull up or push down on the headrest until it is in the desired position.

WARNING If the glide bar has exceeded its maximum recommended working height, a warning line will be visible on the patient's side of the glide bar. Do not use the headrest in a position where this warning line is visible.

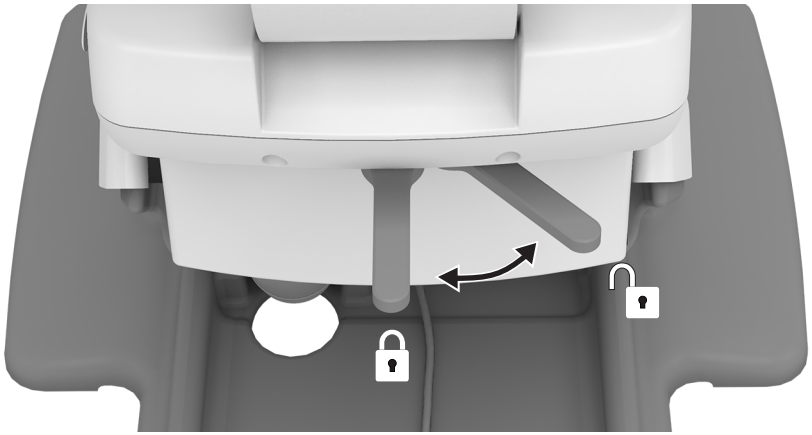
The locking knob allows you to easily adjust the headrest for a full range of positions. Release the headrest by turning the locking knob counterclockwise, then adjust the headrest for a proper fit. Lock the headrest in the desired position by turning the knob clockwise.

Position the Headrest for Wheelchairs

To position the headrest for wheelchairs:

1. Remove the headrest from the dental chair.
2. Rotate the headrest 180° and slide the glide bar into the backrest until it stops.
3. Swivel the dental chair, if necessary, and position the backrest to its full upright position.
4. Position the wheelchair and the dental chair back to back.
5. Move the dental chair up or down, as needed, to adjust the headrest height.
6. Lock the wheelchair wheels.

Prepare the Chair for the Patient *(continued)*



Set the Chair Swivel Brake

The chair can rotate to any position within 30° either side of center. The chair swivel brake restricts rotation of the chair to keep the chair from moving during a procedure.

To release the swivel brake, pull the brake lever to the right. To engage the brake, pull the brake lever firmly to the left.

Chair Adjustments

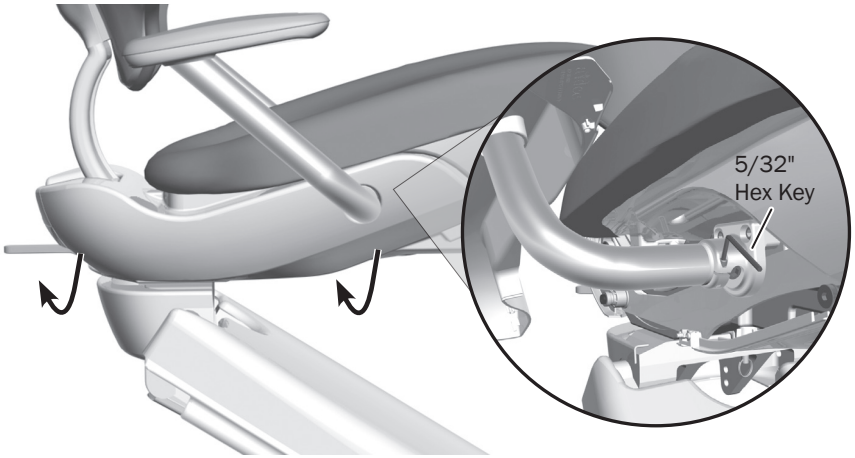
Adjust the Chair Swivel Brake Tension

If the chair swivels left or right with the brake engaged, or is difficult to move with the brake disengaged, adjust the swivel brake tension. Properly tensioned, the brake handle should be in the middle when it is fully engaged. To make the adjustment:

1. Move the brake handle to the right.
2. If the chair includes a back mount module, swivel the chair to access the adjustment screw.

Use a 7/64" hex key and turn the tension adjustment screw clockwise to increase brake friction or counterclockwise to decrease brake friction. Only a small adjustment is needed to significantly increase or decrease tension.

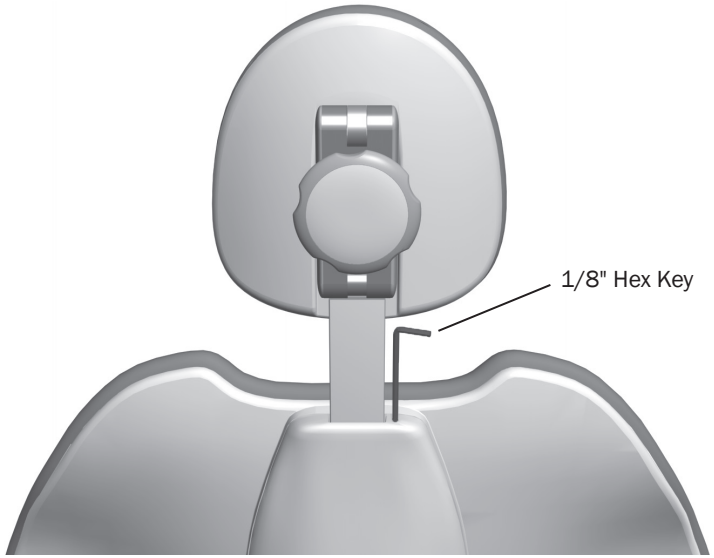
Chair Adjustments *(continued)*



Armrest Rotation Tension

If the armrests become loose or are difficult to move, you can adjust the rotation tension. To adjust each armrest:

1. Remove the chair side cover by pulling on the left and lower right sides of the cover. Pull the cover out of the way to access the adjustment screw.
2. Use a 5/32" hex key and turn clockwise to tighten or counterclockwise to loosen the armrest tension. Only a small adjustment is needed to significantly increase or decrease tension.



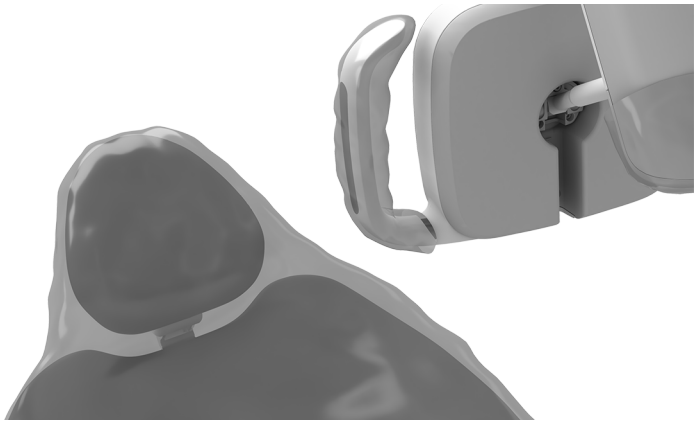
Adjust the Headrest Glide Bar Tension

If the headrest drifts downward, or if it is difficult to move up or down, the glide bar tension needs adjustment.

To adjust the tension, use a 1/8" hex key. Turn the adjustment screw clockwise to increase tension.

Clean/Maintain

Protect with Barriers



NOTE For proper use and disposal of barriers, see the barrier manufacturer's Instructions for Use.

A-dec recommends barrier protection for all applicable touch and transfer surfaces. Touch surfaces are areas that come into contact with hands and become potential cross-contamination points during dental procedures. Transfer surfaces are areas that come into contact with instruments and other inanimate objects.

In the USA, barriers must be produced under the Current Good Manufacturing Practice (CGMP) as specified by the U.S. Food and Drug Administration (USFDA). For regions outside the USA, refer to the medical device regulations specific to your location.

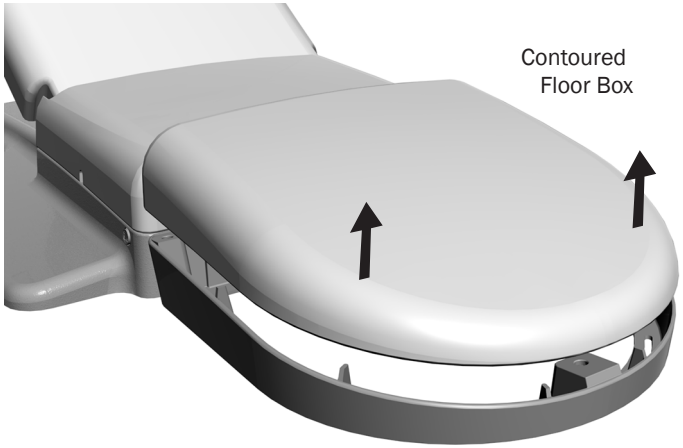
IMPORTANT For recommendations on cleaning and chemical disinfection of touch and transfer surfaces (where barrier protection is not applicable or when barriers are compromised), please see the *A-dec Equipment Asepsis Guide* (p/n 85.0696.00).

Extend the Life of the Upholstery

CAUTION Do not use household bleach (sodium hypochlorite) or other products containing chlorine, isopropyl alcohol (greater than 25 percent by volume), or hydrogen peroxide to clean or disinfect the upholstery. It can cause rapid deterioration and damage the product.

To preserve the quality of your A-dec upholstery, use barrier covers instead of relying on chemicals. Barriers significantly extend the life of the upholstery and will help preserve its luxurious look and soft feel. To clean the upholstery, use a solution of mild dishwashing liquid and water. Use surface disinfectants only when the barriers have been compromised or there is visible spatter on the upholstery. For more information, see the *Upholstery Maintenance Guide* (p/n 86.0501.00) available in the Resource Center at www.a-dec.com.

Access the Utilities



WARNING Shock hazard. When you remove or replace the covers, take care not to damage any wiring or tubing. Verify that the covers are secure after you replace them.

The chair utilities are located in the contoured floor box under your chair and typically include the electrical outlet, as well as the system hookups for air, water, and vacuum. To access, lift the cover up and off the floor box frame. For maintenance, contact your local authorized A-dec dealer.

Specifications

Maximum Chair Capacity

Patient Load: 400 lb (181 kg)

IMPORTANT For electrical specifications, identification of symbols, and other regulatory requirements, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.

For quick access to this document online, scan, tap, or click this QR code, which points to: a-dec.com/regulatory-guide.

NOTE Specifications are subject to change without notice. Requirements may vary depending on your location. For more information, contact your authorized A-dec dealer.

Note. Refer to the CE table in this manual for applicable products.

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