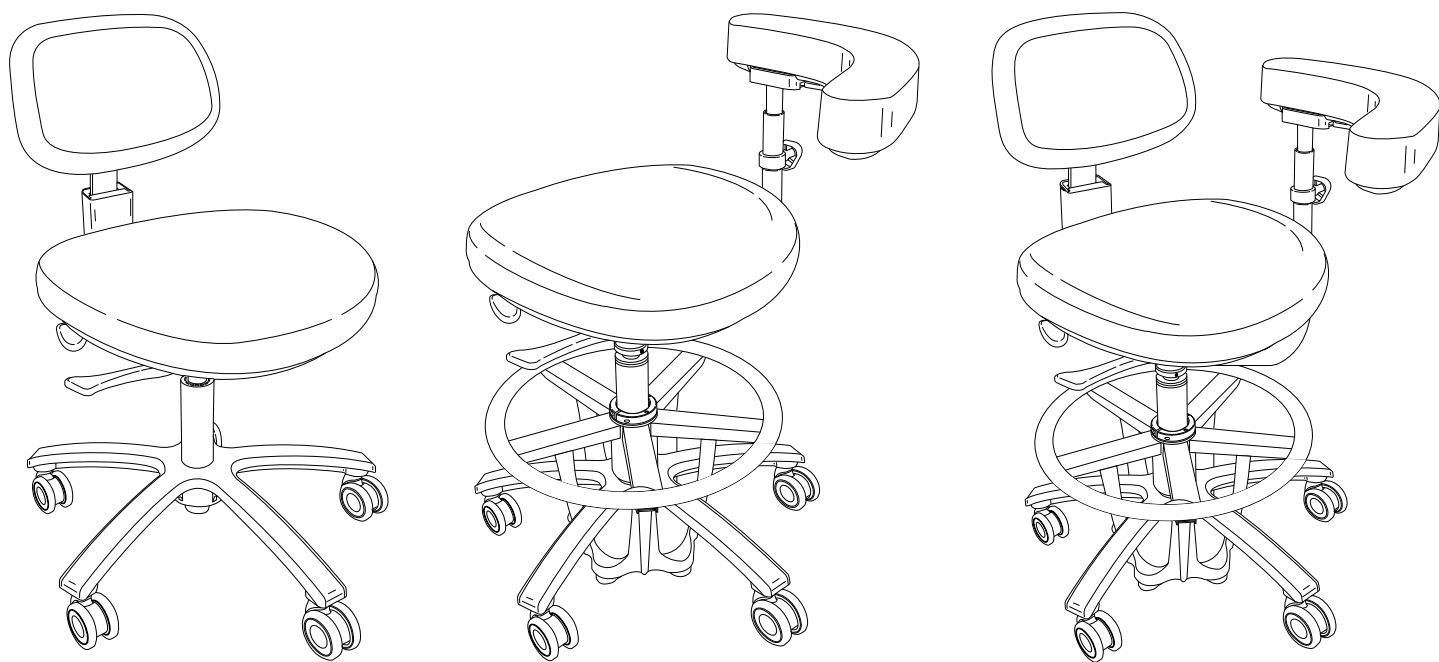




SERIES 5 PLUS DENTAL STOOLS

OVERVIEW

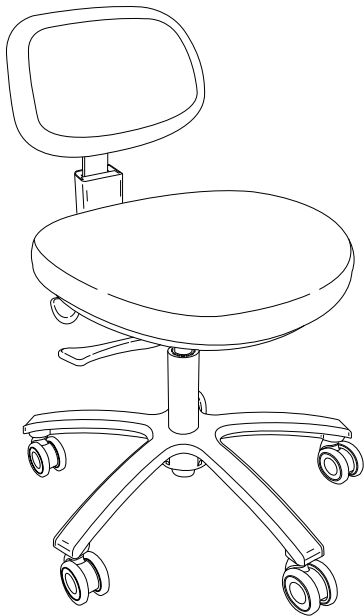


Figure 1: SD5550

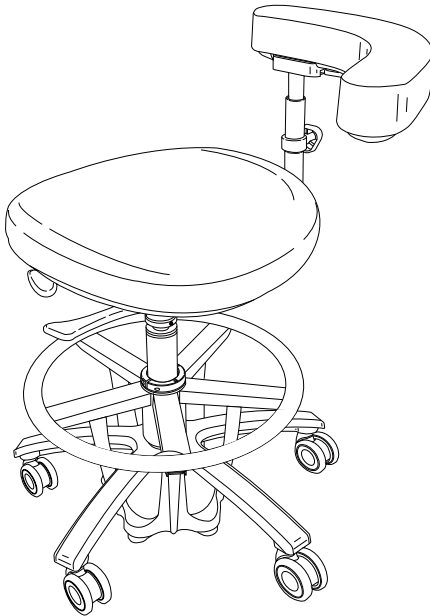


Figure 2: SA5550

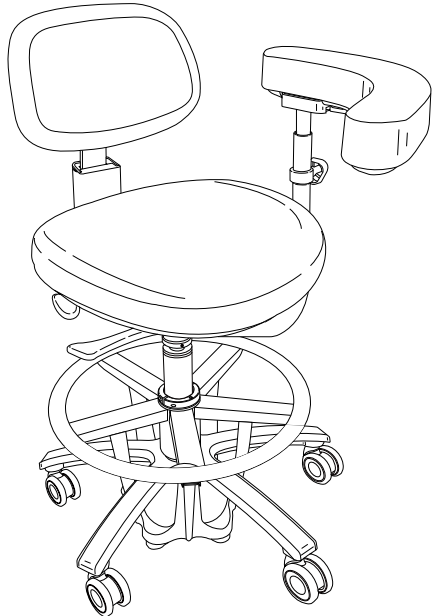


Figure 3: SA5551

Table 1: Stool Models

PN	Description
SD5550	Clinician's Stool
SA5550	Assistant's Stool without Backrest
SA5551	Assistant's Stool with Backrest

INTRODUCTION

SYMBOLS	TABLE OF CONTENTS
The following symbols may be used throughout this product manual:  WARNING: Failure to carefully follow the described procedure may result in serious damage to the equipment, or serious injury or harm to the operator.  CAUTION: Failure to carefully follow the described procedure may result in damage to the equipment, and/or the operator.  NOTE: Take note of additional important information. Not a CAUTION.  Indicates the device manufacturer  Indicates the date when the device was manufactured  Indicates the model number or type number of a product  Indicates the need for the user to consult the instructions for use  Packaging should be protected from moisture and kept dry  Indicates the manufacturer's serial number.	Overview 2 Introduction 3 General Information 4 General Safety 6 Operation - Seat 7 Operation - Backrest 8 Operation - Torso Band 9 Operation - Brake 10 Maintenance 11 Replacement Components 13 Troubleshooting 14 Warranty 15

GENERAL INFORMATION

INTENDED USE	
DCI Clinician's and Assistant's Stools feature adjustment points that allow the user to be optimally positioned for performing dental procedures.	
PRODUCT IDENTIFICATION	APPLICABLE MODELS
The DCI Series 5 Plus Dental Stool can be identified by the label. This label states the model number, serial number, and manufacturing date for traceability. Retain this IFU and device labeling for traceability.	SD5550, SA5550, SA5551
	INDICATIONS FOR USE
	There are no specific requirements. For use in general dental procedures, under the discretion of trained medical professionals (users).
	TECHNICAL DOCUMENTATION
	A complete technical file for this device is maintained by the manufacturer in accordance with applicable regulations. This includes specifications, labeling, supplier controls, and final functional test results. Supporting diagrams and component lists are available to authorized technical personnel upon request. A digital copy of this IFU can be found under document number 50329 on the DCI Website https://www.dcionline.com/en/content/technical-library .
INCOMPATIBLE DEVICES	CONTRAINDICATIONS
For safety reasons, only DCI original devices and accessories approved for this product or accessories from third parties released by DCI may be used. Refer to DCI Catalogs for detailed information.	No known contraindications.
ENVIRONMENTAL CONDITIONS	DISPOSAL
Operating Conditions: • Temperature: 67-76° F • Humidity: 20-60%	Contact your local, authorized dealer for disposal of this device to ensure compliance with your local environmental regulations.
Shipping conditions: • Temperature: -68 - 122° F • Humidity: 10-90%	

GENERAL INFORMATION

PREVENTATIVE INSPECTION

The performance of the equipment can be affected by use over time. Periodically inspect for loose fittings and fasteners which could lead to poor performance characteristics. Inspect joints and tensioning screws as a regular maintenance item to ensure proper positioning of the device. See **“Maintenance”** sections of this manual for detailed instructions.

PRE-USE REQUIREMENTS

All operators of this device must read this document in its entirety before use.

Ensure that all installation steps are completed by a trained technician as described in the installation instructions for this device.

Ensure all functions and features as defined in the **“Operation”** sections of this manual are operating properly.

Follow the instructions on cleaning, disinfecting, and sterilization in the **“Maintenance”** section of this manual before first time use of this device.

Ensure that all staff responsible for the maintenance, disinfection, and cleaning of this device are fully trained on the information provided in the **“Maintenance”** section of this manual.

GENERAL SAFETY

WARNINGS



WARNING: This product must be disinfected before use.



WARNING: Modification of this equipment is not allowed. Use only DCI replacement parts.



WARNING: Do not allow children unsupervised access to the dental stool.



WARNING: Do not exceed the weight limits for clinician and stool mounted delivery. Doing so may cause personal injury and/or damage to the stool.



WARNING: To avoid possible injury and/or damage to the stool, do not apply full body weight on the backrest or torso band. Doing so may cause the stool to tip.



WARNING: Failure to disinfect this device between patients could expose the user and patient to cross contamination and bioburden/biocontamination.

CAUTIONS



CAUTION: Avoid harsh chemicals/solvents when cleaning; use only recommended cleaning and sterilization methods.



CAUTION: Keep device in a clean, dry environment. Floors should be kept free of dirt and debris for properly functioning casters.



CAUTION: Do not modify the device or use non-DCI components, as this may impair function and void warranty.



CAUTION: Only authorized service technicians should attempt to service this equipment. Use of other than authorized technicians will void the warranty.

NOTES



NOTE: This product is intended for use by trained dental/medical professionals only.

RESIDUAL RISKS

All known and foreseeable risks have been reduced as far as possible (AFAP) and are acceptable when weighed against the device's clinical benefits.

SERIOUS INCIDENT REPORTING

Report any serious incident to DCI International at 1-800-624-2793 or customerservice@dcionline.com and to the competent authority of your country.

OPERATION - SEAT

NOTE:



- This section applies to the clinician's stool (SD5550), the assistant's stool (SA5550), and the assistant's stool with backrest (SA5551).
- Images in this section use the SD5550 as an example.

ADJUSTING SEAT TILT

To adjust seat tilt, do the following:

1. Push Lever down and release (Figure 4, item 1) and adjust seat tilt until the desired position is reached.
2. Pull Lever up to lock the position.

ADJUSTING SEAT HEIGHT

To adjust seat height, pull Lever up (Figure 4, item 2) and release it when the desired height is reached.

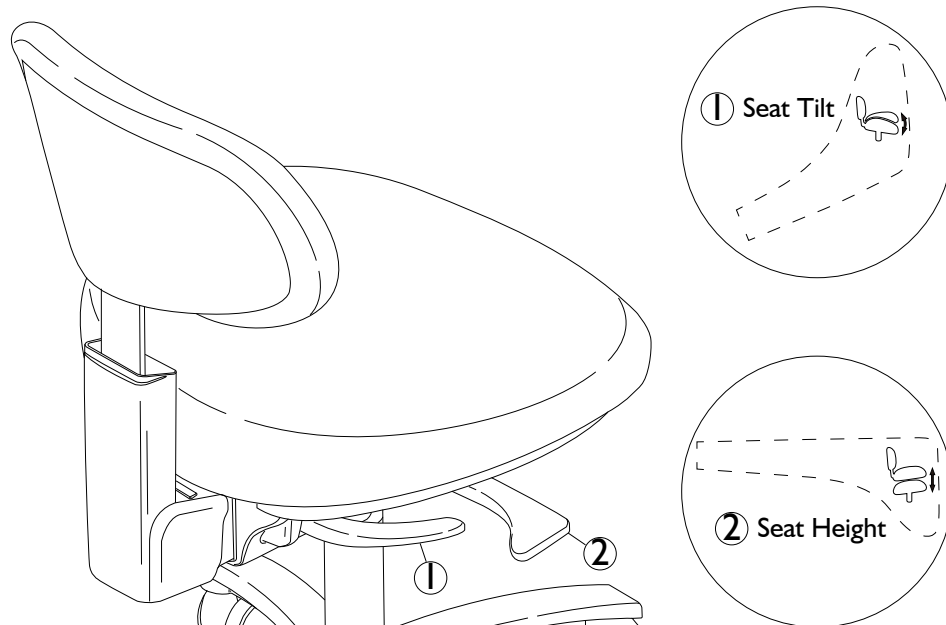


Figure 4: Adjusting Seat Tilt and Height - Clinician's Stool

NOTE:



While the mechanism is under heavy pressure, the levers may be more difficult to adjust. Be sure to relieve pressure you apply to the seat while pressing the levers.

OPERATION - BACKREST



NOTE:

- This section applies to the clinician's stool (SD5550) and the assistant's stool (SA5551).
- Images in this section use the SD5550 as an example.

ADJUSTING BACKREST TILT

To adjust backrest tilt, do the following:

1. Push the Lever down and release (Figure 5, item 1) and adjust backrest tilt until the desired position is reached.
2. Pull the Lever up to lock the position.

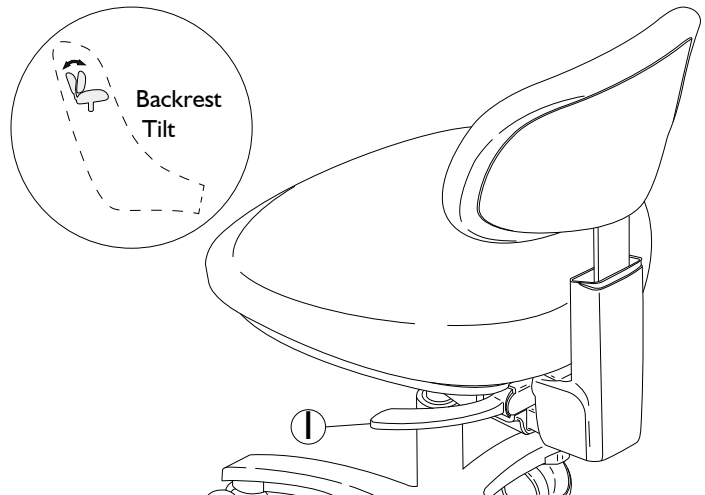


Figure 5: Adjusting Backrest Tilt - Clinician's Stool

ADJUSTING BACKREST HEIGHT

To adjust backrest height, do the following:

1. Lift the backrest (Figure 6, item 1) to the desired height at one of nine possible positions.
2. For a lower position, lift the backrest to the very top of the travel to release the locking mechanism and allow the backrest to drop to the bottom.

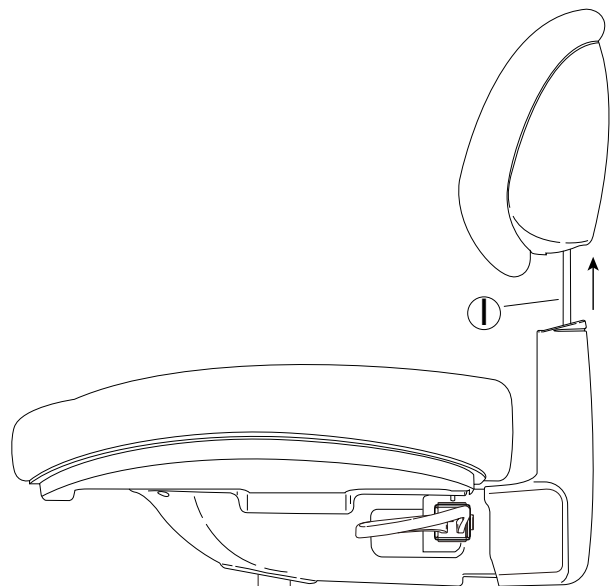


Figure 6: Adjusting Backrest Height - Clinician's Stool

OPERATION - TORSO BAND

NOTE:



- This section applies to the assistant's stools SA5550 and SA5551.
- Images in this section use the SD5550 as an example. The Torso Band of the SA5550 is adjusted the same as the SA5551.

ADJUSTING ROTATION OF TORSO BAND

To adjust the rotation of the Torso Band (Figure 7, item 1), do the following:

1. Pull the Lever toward the outside of the Torso Band (item 2) to allow the Band to rotate outward (item 4).
2. Push the Lever toward the inside of the Torso Band (item 3) to allow the Band to rotate inward (item 5).

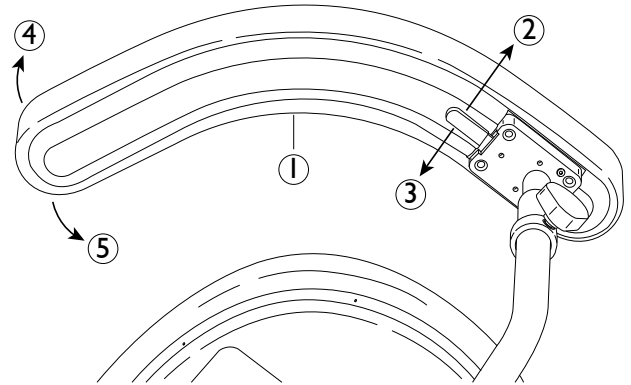


Figure 7: Adjusting Rotation of Torso Band

ADJUSTING HEIGHT OF TORSO BAND

To adjust the height of the Torso Band, do the following:

1. Loosen the Knob (Figure 8, item 1) on the Torso Band Support Pole a few turns.
2. Set the Band at the desired height (item 2) and tighten the Knob securely.

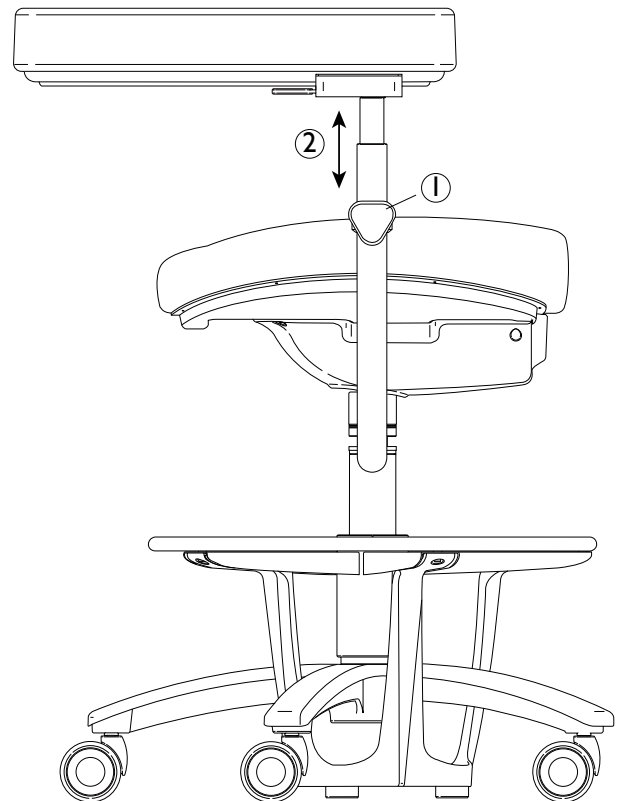


Figure 8: Adjusting Height of Torso Band

OPERATION - BRAKE



NOTE:

- This section applies to the assistant's stools SA5550 and SA5551
- Images in this section use the SA5550 as an example.

ENGAGING THE BRAKE

To engage the brake, do the following:

1. Place your feet firmly anywhere on the Foot Ring (Figure 9, item 1) while in the seated position, and the brake mechanism will engage.
2. Lift your feet from the Foot Ring to disengage the brake mechanism.

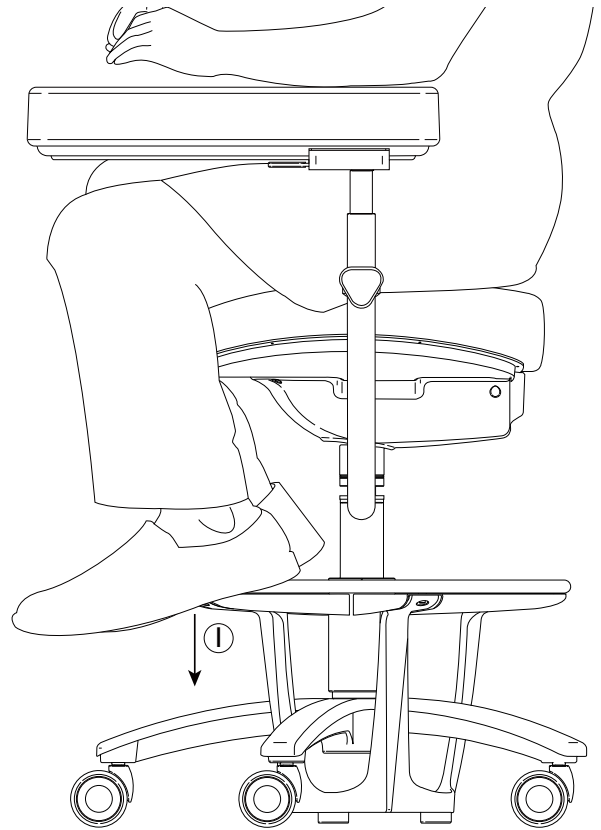


Figure 9: Engaging the Brake

MAINTENANCE

BARRIER TECHNIQUE

Wherever possible, use disposable barriers and change them between patients. The barrier technique will ensure maximum long term durability of the surfaces and finishes of the equipment.



NOTE: It is very important that all staff responsible for the maintenance, disinfection, and cleaning of this device are fully trained on the information provided in this section.

CLEANING

Dental equipment, categorized as noncritical devices with low risk of infection transmission, come into contact only with intact skin. Before applying disinfectant, clean the surfaces with a mild detergent and a clean cloth to remove unwanted dirt and debris.

CHEMICAL DISINFECTION

Follow the instructions below carefully to ensure the longest life for your equipment:

1. Only use the acceptable disinfectants listed. Use of unacceptable products may void your warranty.
2. When applying chemicals with a spray bottle, **do not spray surfaces directly**. Instead, spray a cloth and then wipe the surfaces with the wet cloth.
3. When using chemical disinfectants, always pay strict attention to the manufacturer's disinfectant directions.
4. When using concentrated disinfectants, measure the concentrate carefully and mix according to package directions. **Disinfectant solutions at higher than recommended dilution ratios are extremely corrosive.**
5. Thoroughly wash all areas that have been exposed to disinfectant cleaners with mild soap and warm water at least once per day. This wash down will minimize the harmful effects of chemical disinfectant residues being allowed to accumulate on the equipment.

Conditionally Acceptable Disinfectants

- Phthalaldehyde
- Quaternary Ammonium
- Glutaraldehyde



CAUTION: These disinfectants will harm the surface finish of dental equipment and are not recommended.

Unacceptable:

- Strong Phenols/Phenol Alcohol combinations
- Sodium Hypochlorite/Household Bleach
- Sodium Bromide
- Strong Alcohol
- Household Cleaners (Dental Equipment Only)
- Citric Acids
- Iodophors
- Ammonium Chloride
- Accelerated Hydrogen (0.5%)

MAINTENANCE

GENERAL CLEANING

Equipment can be cleaned with a solution of mild detergent and warm water. A variety of surface disinfectants are available for use in dental treatment rooms. Some of these can cause discoloration of painted, plated or anodized surfaces with repeated use. This can be minimized by careful adherence to the disinfectant manufacturer's instructions and by frequent washing with soap and water.



CAUTION: Do not use powdered cleansers, scouring pads or abrasive scrubbers on any of the painted, plastic or metal surfaces of the dental stools. To remove dried-on material, use a soft-bristled brush and a solution of mild detergent.



NOTE: Follow the manufacturer's recommended maintenance schedule, including regular inspections and servicing by qualified technicians.

CLEANING UPHOLSTERY

NORMAL CLEANING

Mix a solution of 10 percent liquid dish soap with warm water and apply to the upholstery with a soft, damp cloth. Rinse with clean water and wipe dry. Cleaning frequency depends upon use. It is recommended that upholstery be cleaned between patients.

STAINS

Stubborn Stains

Use detergent cleaners such as Formula 409 or Fantastik. Wipe using a soft cloth or bristle brush. Rinse with clean water and wipe dry.

More Difficult Stains

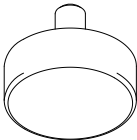
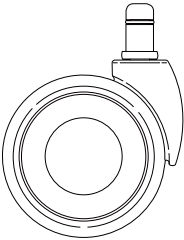
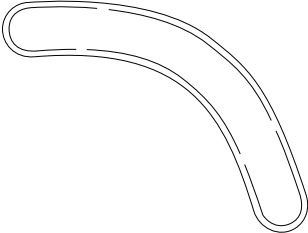
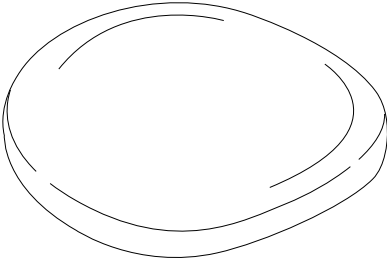
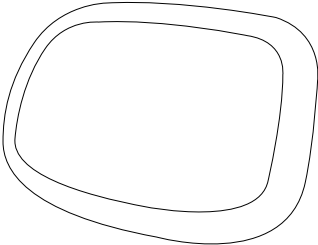
Carefully clean the stained area with lighter fluid (naphtha) or rubbing alcohol. Apply with a soft white cloth and rub gently. Rinse with clean water and wipe dry.

OTHER TIPS

Always apply cleaners with a soft white cloth. Avoid the use of paper towels. When using strong cleaning solutions such as alcohol, it is advisable to first test in an inconspicuous area. Never use harsh solvents or cleaners that are intended for industrial use. To restore luster, a light coat of spray furniture wax may be used. Apply to chair and allow to set for 30 seconds. Lightly buff dry with a clean, dry cloth.

REPLACEMENT COMPONENTS

Table 2: Replacement Components

PN	Description	Illustration
54076	Brake Pad, S5 Plus Stool	
54651	Caster, 65mm, TPE	
54894	Foam, Substrate, Cover Set For Torso Band, S5+ Stool	
54907 54909	Series 5 Plus Stool Seat, Plush Series 5 Plus Stool Seat, Asepsis	
54908 54910	Series 5 Plus Stool Back, Plush Series 5 Plus Stool Back, Asepsis	

TROUBLESHOOTING

The troubleshooting guide gives the corrective action to be taken for the problems you may encounter.

Table 3: Troubleshooting Guide

Problem	Solution
Stool not rolling smoothly	Check dirt buildup on casters and the bottom of brake pads on the assistant stool. Keep floors clean and free from debris.
Noise when moving the stool or stepping on the foot ring	Check if the base casting and the brake casting are rubbing or touching each other. If so, do the following: • Rotate the brake casting to be centered between the legs of the base casting. Then, apply a 200lb load to the seat to help engage the cylinder more firmly into the socket of the base casting, preventing it from spinning. • Tighten the 2 screws of the clamp at the top of the foot ring to keep the brake mechanism from spinning about the cylinder.

WARRANTY

DCI stands behind the quality of every product we design, manufacture, or select. We guarantee all products to be free from manufacturing defects for a period of **one year from the date of purchase**. If a product fails due to a manufacturing defect within this period, DCI will repair or replace it at no charge to the customer.

After the warranty period, DCI continues to support our products with service at minimal or no cost whenever possible.

The warranty does not cover damage resulting from:

- Improper care, maintenance, or installation
- Accidents or misuse
- Use of surface disinfectants not compatible with the device

No other warranties, including merchantability or fitness for a particular purpose, are expressed or implied.

For additional information, please contact DCI Customer Service at 1-800-624-2793 or visit www.dcionline.com.

