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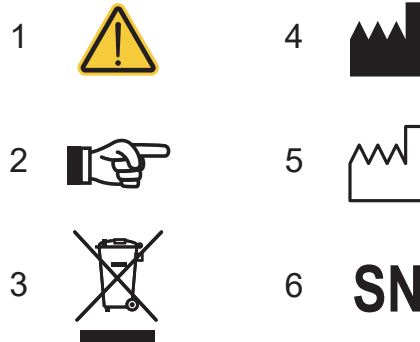
1. General information

- This manual describes the S7-S8-S9 model dentist's stools. It contains important instructions regarding their operation, functions and maintenance as well as a trouble-shooting guide to any problems which might arise.
- No part of this manual is to be reproduced, stored in a retrieval system or transmitted in any form or by any means, i.e. electronic, mechanical, photocopying, translation or otherwise, without the prior written permission of CEFLA s.c.
- All information, specifications and illustrations contained herein are subject to change.
As CEFLA s.c. has a company policy of continual development, it reserves the right to make changes without prior notice.
- The original text of this manual is in Italian.

1.1. Symbols

The following symbols and messages have been used in this manual:

- 1) **WARNING!** this indicates a situation where failure to observe the instructions may cause damage to the stool or injury to the user.
- 2) **NOTE:** this indicates important information for the user and/or service personnel.
- 3) Disposal symbol in accordance with Directive 2012/19/EU.
- 4) Manufacturer.
- 5) Month and year of device manufacture.
- 6) Device serial number.



1.2. Shipment and storage conditions

When packed for storage or shipment the dentist's stool can be kept under the following ambient conditions for no more than 15 weeks:

- Ambient temperature from - 10 to +70°C
- Relative humidity from 10% to 90% including condensation
- Atmospheric pressure from 500 to 1060 hPa (from 500 mbar to 1060 mbar).

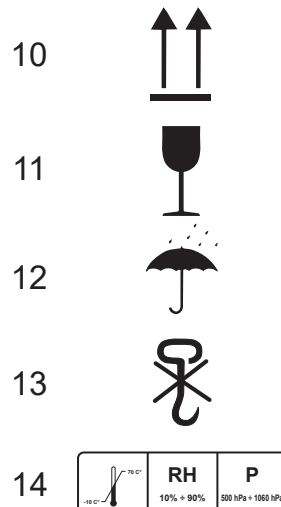
The shipment, handling and unpacking instructions are printed on the cardboard box.



WARNING!

Carefully follow these instructions.

- 10) Observe the arrows when handling and storing the packing containers.
- 11) Avoid shocks.
- 12) Protect from damp.
- 13) Do not use hooks when handling.
- 14) Observe nameplate indicating ambient conditions required for storage.



1.3. Disposing of the packing materials

All the packing materials used are environmentally-friendly and 100% recyclable:

- cardboard,
- polythene bag,
- polyethylene jiffy paper,
- polystyrene.

Recycling the packing materials helps save raw materials and reduce waste.

Deliver the packing materials to an authorised recycling centre.

1.4. Disposing of the dentist's stool

Disposing of the dentist's stool poses no risks. If the stool is no longer to be used, it should be delivered to an authorised recycling centre in order to protect the environment.

1.5. Warranty

CEFLA s.c guarantees its products are constructed in a state-of-the-art manner, only top quality materials are used, all the required tests and inspections have been carried out and the product conforms to all current applicable standards.

CEFLA s.c warrants products covered by this warranty to be free from defects in materials and workmanship.

WARRANTY GENERAL TERMS AND CONDITIONS.

- 1) **COVERAGE:** the product is covered by a 12 (twelve) month warranty from the date of installation at the customer's location. In the event that the device works together with CEFLA s.c. dental unit, refer to the dental unit warranty conditions to know warranty duration.
- 2) **EXCLUSIONS:** this warranty does not cover:
 - a) faults caused by failure to perform routine maintenance or unintended, inappropriate or misuse of the product;
 - b) periodic checks and maintenance;
 - c) repair or replacement of fragile parts, parts subject to wear and tear or whose service life cannot be estimated unless there is proof that they were defective at the time of delivery;
 - d) all labour, travel and lodging expenses;
 - e) failures or break downs caused by unintended, inappropriate use or misuse;
 - f) failures or break downs due to extraordinary chemical or electrical phenomena;
 - g) failures or break downs resulting from use of cleaning, disinfecting or sterilization chemicals or processes not expressly indicated in the operating and maintenance manual;
 - h) normal colour change of plastic parts;
- 4) **LIMITS:** defective parts will be repaired or replaced free of charge under warranty. However, this warranty does not cover replacement of the entire unit. As far as applied or installed components made by CEFLA s.c or third parties that carry their own warranty certificates are concerned, the conditions, terms, limits and exclusions given on the certificates are valid.
The expiry date of the warranty will not change even if one or more repairs are made during the warranty period. The purchaser may not make any damage claims for equipment downtime.
- 6) **WARRANTY CLAIMS:** if the purchaser makes a warranty claim regarding the quality or conditions of the equipment received, the purchaser may not, in any case, stop and/or delay payment.
- 7) **DISPUTES:** any disputes concerning application and interpretation of this Warranty Certificate will be judged by the Court of Bologna (Italy), regardless of where the purchase contract was signed.

- 8) EXCEPTIONS: particular exceptions granted in special cases as regards this warranty do not imply any rights given to the Purchaser and are to be considered valid for the specific case only.
- 9) OTHER: any aspects not expressly covered in this Warranty Certificate are regulated by the Italian Civil Code and applicable Italian laws.

LOSS OF WARRANTY

The warranty will be void if:

- a) the equipment shows signs of damage due to being dropped, exposure to flames, liquid spills, lightning, natural disasters, atmospheric phenomena or any other causes that cannot be traced to defects in workmanship;
- b) the equipment was not installed in accordance to CEFLA s.c installation instructions or has been installed by personnel not duly authorised;
- c) the equipment was serviced, repaired, altered or modified in any way by the Purchaser or third parties that have not been duly authorised;
- d) when a claim for warranty repair is made, the serial number on the product has been removed, cancelled, counterfeited, etc.;
- f) the Purchaser stops and/or delays payment of any sum for the purchase and/or maintenance of the equipment for any reason whatsoever;
- h) scheduled maintenance or other operations specified in the operating and maintenance manual are not carried out as indicated.

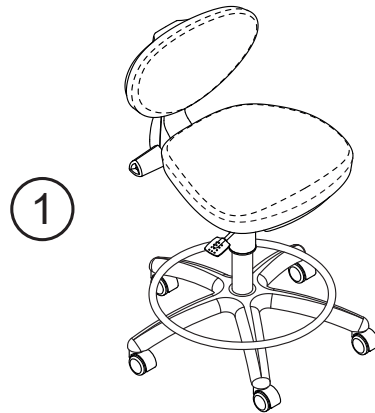
2. Main features

This chapter gives an overall idea of the main features of the S7-S8-S9 model dentist's stools.

①

S7 dentist's stool.

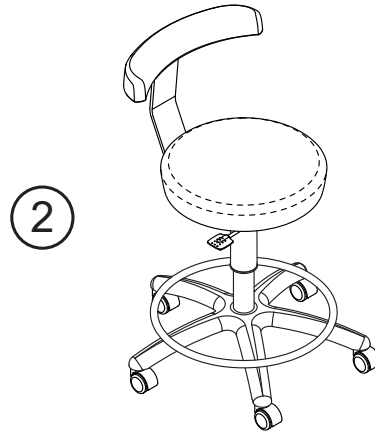
- Symmetrical stool which can be used on either side of the patient's dental chair.
- Wheeled base (5 castor wheels with brake).
- Base with footrest ring (optional).
- The seat can also be adjusted in height (it can be moved up and down approx. 125 mm).
- Tilttable backrest which can be manually adjusted as required by using the knob provided.
- The backrest can also be adjusted in height (it can be moved up and down approx. 65 mm).



②

S8 dentist's stool.

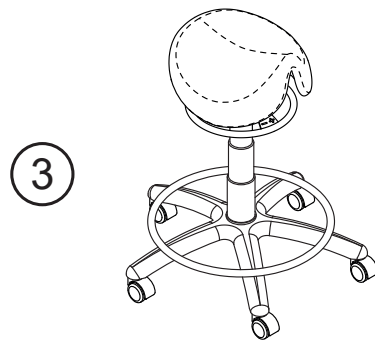
- Symmetrical stool which can be used on either side of the patient's dental chair.
- Wheeled base (5 castor wheels with brake).
- Base with footrest ring (optional).
- The seat can also be adjusted in height (it can be moved up and down approx. 125 mm).
- Adjustable backrest (it can be moved to the left or right).



③

S9 dentist's stool.

- Symmetrical stool which can be used on either side of the patient's dental chair.
- Wheeled base (5 castor wheels with brake).
- Base with footrest ring (optional).
- The seat can also be adjusted in height (it can be moved up and down approx. 200 mm).
- Seat equipped with BALANCE movement that allows dynamic adjustment of the seat ensuring optimal posture and maximum comfort while working.



2.1. Intended use

The S7-S8-S9 series stools are designed to ensure that the dentist or the assistant is properly supported during normal dental practice.



WARNING!

- The maximum allowable load that the stool can bear is 135 Kg. Do not exceed this value.
- If the rear wheels are obstructed while moving back, the stool may overturn.
- The device is not intended to be used in rooms subject to the risk of explosion.

2.1.1. Reference standard

Reference standards: the S7-S8-S9 series dentist's stools are devices designed in compliance with the ISO 7493 standard.

2.1.2. Environmental conditions

The S7-S8-S9 series dentist's stools must be used in environments with the following characteristics:

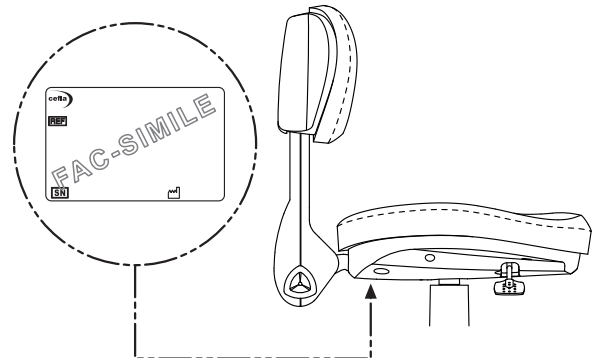
- Temperature between 10 and 40°C;
- Relative humidity between 30 and 75%.

2.2. Identification

The identification plate is positioned underneath the seat.

Data given on plate:

- Manufacturer name.
- Stool model.
- Serial number.
- Month and year of manufacture.



2.3. Technical information

Dentist's stool model:	S7	S8	S9
Base wheels outside diameter (mm):	605	605	605
Seat height from the floor (mm):	430	445	600
Seat vertical adjustment travel (mm):	125	125	200
Backrest vertical adjustment travel (mm):	65	-	-
Seat dimensions (mm):	460x420	ø407	365x350
Backrest adjustment angle:	+11° / -9°	-	-
Gross weight (kg):	18	18	18
Net weight (kg):	16	16	16
Packaging dimensions (mm):	650x700x590(h)		

3. Assembling the dentist's stool

The dentist's stools are supplied in two parts inside the packing container.

The following items should be found inside the packing container:

- No. 1 dentist's stool.
- No. 1 User's manual.

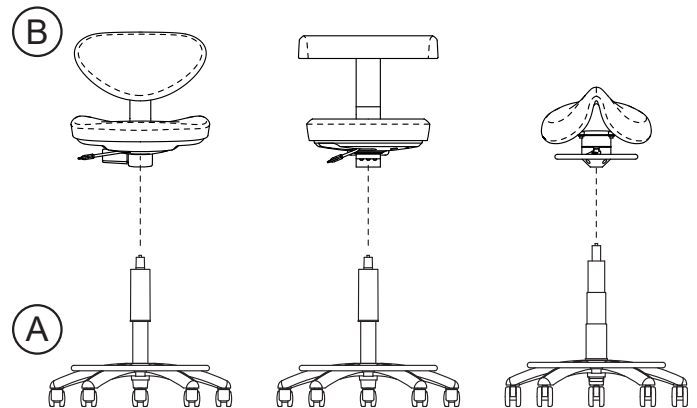
Steps to be taken to assemble the stool:

- Take the bottom part (A) of the stool out of the packing container and place it on the floor.
- Take the top part (B) of the stool out of the packing container and install it on the shank of the gas-operated spring.
- Secure the two parts together by pressing firmly down on the seat (e.g. by sitting on it).



WARNING!

The stool must only be assembled by technicians authorised by CEFLA s.c.



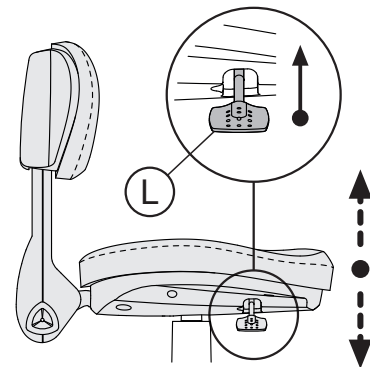
4. Using the dentist's stool

Before reading this chapter it would be a good idea to identify exactly which dentist's stool you have purchased - see Paragraph 2. To avoid confusion, only read the paragraphs relevant to the stool model you have purchased.

4.1. Dentist's stool, model S7

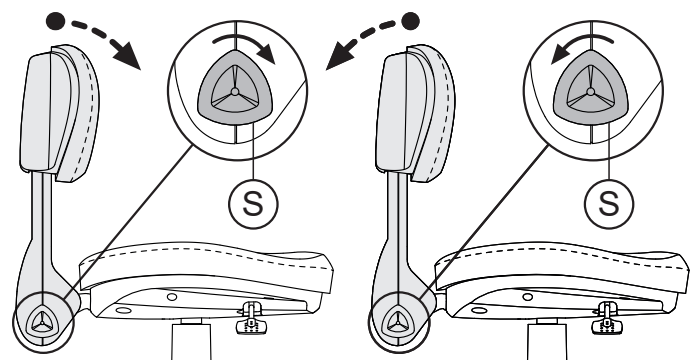
Seat height adjustment.

- Sit down on the dentist's stool so that you can use your own body weight to help push it down.
- Keep the lever (L) pulled up and the stool will move down with the help of your body weight.
- To automatically move the stool up again, keep the lever (L) pulled up and lighten the load on the stool (e.g. by standing up slightly).




Adjusting the backrest tilt.

- Lean away from the backrest to remove your weight from it.
- Turn knob (S) clockwise to tilt the backrest forwards.
- Turn knob (S) anti-clockwise to tilt the backrest backwards.



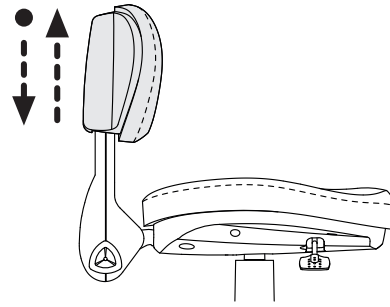
Adjusting the height of the backrest.

The height of the backrest can be adjusted (it can be moved by a maximum of 65 mm.). The adjustment can be made manually by pulling it up.

 **NOTE:** there are 9 backrest positions available.

To lower the backrest, proceed as follows:

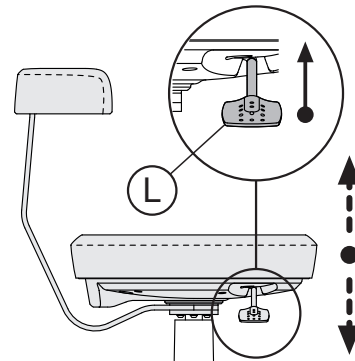
- Move it up to the maximum height until the release mechanism is activated.
- Push the backrest down again until it is at the minimum height possible.
- Move the backrest to the required position.



4.2. Dentist's stool, model S8

Seat height adjustment.

- Sit down on the dentist's stool so that you can use your own body weight to help push it down.
- Keep the lever (L) pulled up and the stool will move down with the help of your body weight.
- To automatically move the stool up again, keep the lever (L) pulled up and lighten the load on the stool (e.g. by standing up slightly).



Adjusting the backrest.

Simply move the backrest around its support post in order to bring it into the required position (360° free rotation).

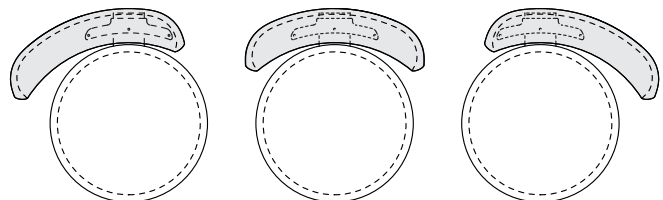
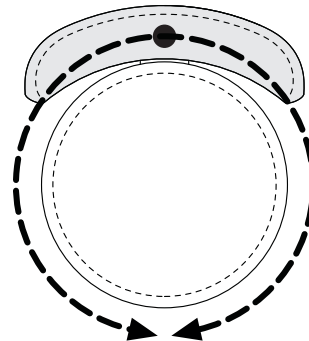
Backrest position.

The backrest can be set to 3 positions: centre, protruding on the left, protruding on the right.



WARNING!

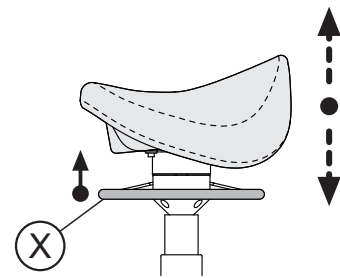
This operation must only be performed by a technician authorised by CEFLA s.c.



4.3. Dentist's stool, model S9

Seat height adjustment.

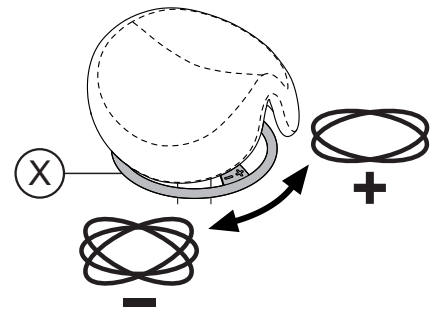
- Sit down on the dentist's stool so that you can use your own body weight to help push it down.
- Keep the handle (X) pulled up and the stool will move down with the help of your body weight.
- To automatically move the stool up again, keep the handle (X) pulled up and lighten the load on the stool (e.g. by standing up slightly).



BALANCE movement adjustment.

The adjustment allows the resistance of the BALANCE movement to be increased/decreased:

- Turn the handle (X) anti-clockwise (+) to decrease the resistance of the BALANCE movement.
- Turn the handle (X) clockwise (-) to increase the resistance of the BALANCE movement.



5. Advice to properly adjust the dentist's stool

Sitting properly means sitting in an active and upright position.

Sit upright with an active posture: push your chest out and minimise static stress on the muscles (refer to the tip on chest tilt).

Adjust the dental chair to the correct height.

Adopt a relaxed posture that allows a perpendicular view of your working area.

If necessary, tilt the patient's head to get a direct view of the mouth.

Head.

Your head is heavy (average weight 4.5 kg) and therefore puts a strain on your vertebrae and muscles every time you bend it.

Do not bend your head forward more than 20 degrees.

Avoid tilting the head laterally.

It is recommended to keep the working area at a distance of about 35-40 cm from the eyes.

Chest.

Bend your upper body forward a maximum of 10 degrees at the hip joint.

Avoid bending sideways and twisting the upper body.

Upper limbs.

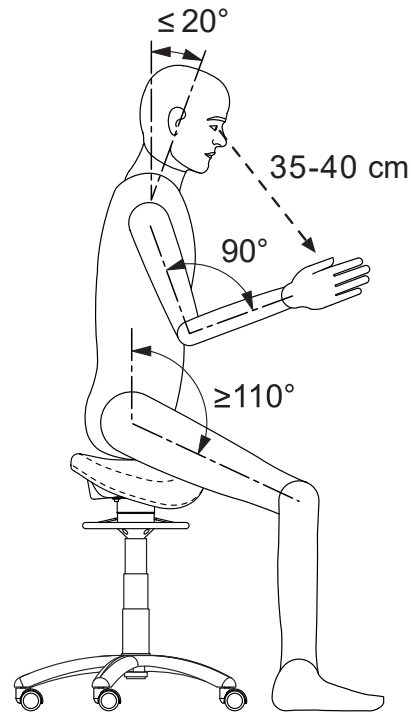
According to research, an angle of about 90 degrees between the lower and upper arms is the best position.

Whenever possible, rest your elbows and upper arms against your body to reduce the static load on your arms and shoulders.

Neutral posture.

An open hip angle of 135 degrees is optimal. This so-called "neutral posture" minimises the strain on your muscles and spine.

 **NOTE:** the dentist's stool S9 is specially designed to facilitate this posture.



6. Maintenance

The S7-S8-S9 dentist's stools have been designed so as not to require any maintenance during their useful life. No scheduled maintenance is therefore required. Nonetheless, it is advisable to have the dentist's stool checked by qualified CEFLA s.c. staff at least every two years.

The established useful life of the device is 10 years. After this period of time, the stool needs to undergo extraordinary maintenance in order to check and replace any worn components.



WARNING!

If the dentist's stool needs to be repaired, it is advisable to have this done by specialised personnel from our After-Sales Service Dept.

6.1. Cleaning and disinfecting the stool

Cleaning is the first step required for any disinfection process.

Physically scrubbing with detergents and surface-active substances and rinsing with water removes a considerable amount of micro-organisms. If the surface is not first cleaned, the disinfection process cannot be successful.

If a surface cannot be adequately cleaned, it should be protected with barriers.

The outer parts of the equipment must be cleaned and disinfected using a product for hospital use with indications for HIV, HBV and tuberculocidal (medium-level disinfectant) specific for small surfaces.

The various drugs and chemical products used in dental surgeries may damage the painted surfaces and the plastic parts. Researches and tests performed show that the surfaces cannot be fully protected against the harsh action of all products available on the market. We therefore recommend protecting with barriers whenever possible. The harsh actions of chemical products also depend on the amount of time they are left on the surfaces. It is therefore important not to leave the product on the surfaces longer than the time specified by the manufacturer.

It is recommended to use the specific medium-level disinfectant, **STER 1 PLUS** (CEFLA s.c.), which is compatible with:

- **Coated surfaces and plastic parts.**
- **Upholstery.**
- **Uncoated metal surfaces.**



WARNING!

STER 1 PLUS must be used as specified by the Manufacturer.

If you do not use STER 1 PLUS, it is recommended to use products that contain at maximum:

- **Ethanol 96%.** Concentration: maximum 30 g per 100 g of disinfectant.
- **1-propanol (N-propanol, propyl alcohol, N-propyl alcohol).** Concentration: maximum 20 g per 100 g of disinfectant.
- **Combination of ethanol and propanol.** Concentration: the combination of the two should be maximum 40 g per 100 g of disinfectant.



WARNING!

- **Do not use products containing isopropyl alcohol (2-propanol, iso-propanol).**
- **Do not use products that contain sodium hypochlorite (bleach).**
- **Do not use cleaners that contain phenol.**
- **Do not spray the selected products directly on the surfaces.**
- **All products must be used as directed by the manufacturer.**
- **Do not mix the STER 1 PLUS disinfectant with other products.**

Cleaning and disinfecting instructions.

Clean and disinfect with disposable non-abrasive paper (avoid using recycled paper) or sterile gauze. Do not use sponges or, in any case, any material that can be reused.



WARNING!

All materials used for cleaning and disinfection must be thrown away upon completing the procedure.

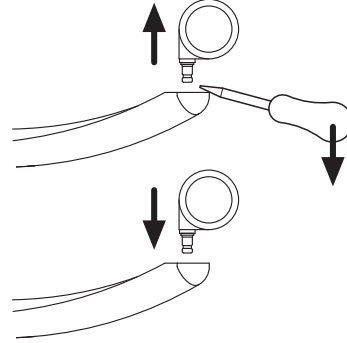
Cleaning the wheels.

Remove dust and dirt that build up inside the wheel and on the slide surface on a regular basis.

6.2. Replacing the castor wheels

Proceed as follows if one or more castor wheels on the S7-S8-S9 dentist's stool need to be replaced.

- Turn the stool upside down and then place it down with the seat resting on a table or workbench and the backrest on the outside edge of the table.
- Use a suitably-sized screwdriver to remove the castor wheel by prizing it out.
- To re-install the new castor wheel, simply insert it in the hole provided and secure it in place by banging it down hard.



7. Troubleshooting

P = Problem.

C = Check procedure.

A = Corrective action.

P: The dentist's stool does not move easily on the floor.

C: Check whether the dentist's stool wheels can all move freely or are obstructed.

A: Turn the stool upside down and clean the wheels removing any dirt that may have built up around the pivots.

 **NOTE:** if the stool still does not move after the wheels have been cleaned, the latter need to be replaced.

P: The stool cannot be lowered.

C: The adjustment lever has a free play of more than approx. 3 mm.

A: The handle is probably broken; call Technical Service.

P: The stool moves down by itself without the handle being used.

C: The adjustment lever has a free play of more than approx. 3 mm.

A: The pump is probably discharged or maintained activated by the handle; call Technical Service.

P: The tilted backrest does not return to its initial position and/or does not provide sufficient lumbar support.

C: The backrest turns feebly without contrast.

A: The contrast spring of the backrest is probably broken; call Technical Service.



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