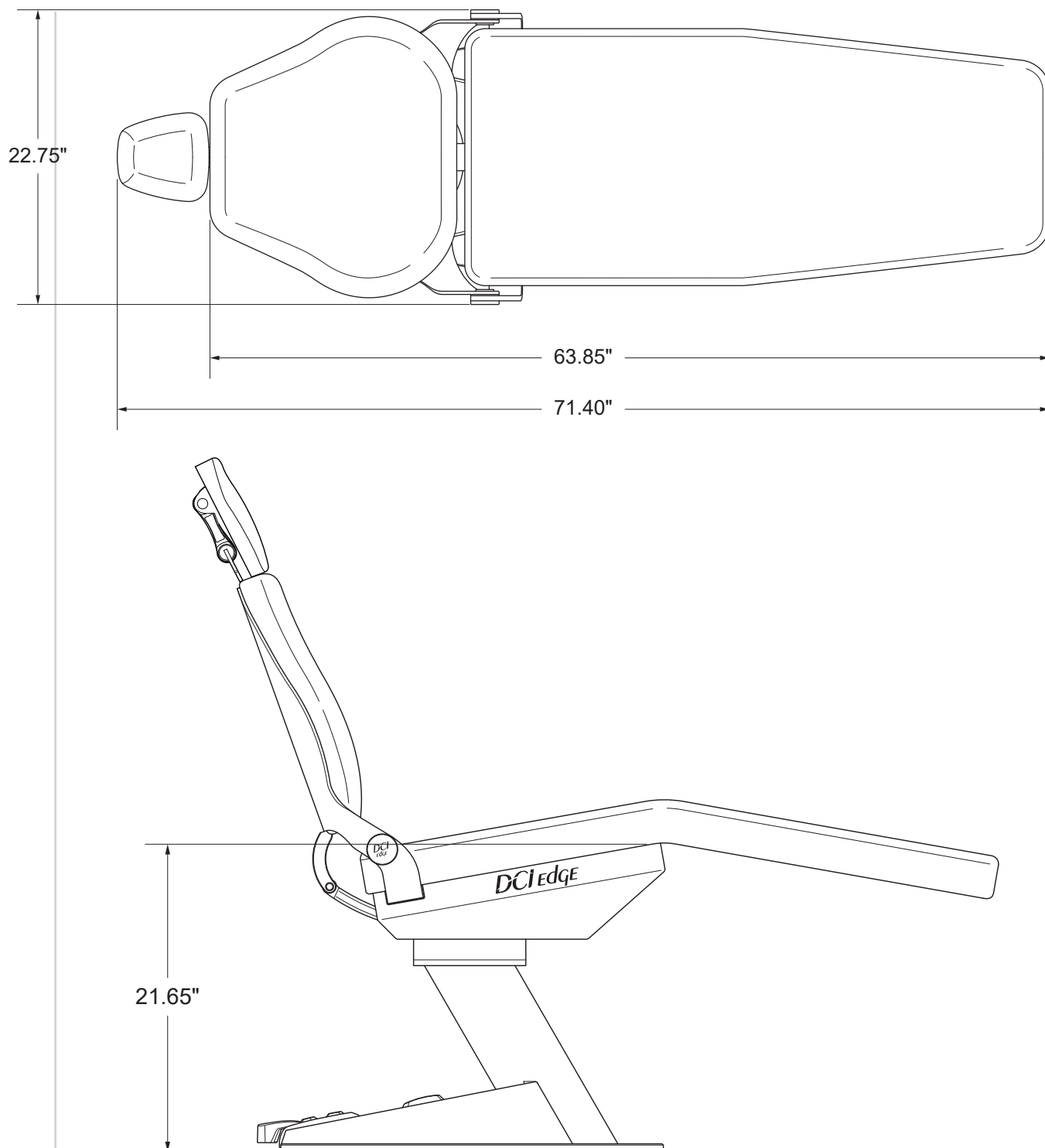


ORTHODONTIC CHAIR

OVERVIEW



INTRODUCTION

BEFORE YOU BEGIN

Study the Orthodontic Chair overview and layout dimensions in this booklet. Make sure the planned location will have the necessary space available for installation, including room for travel of the chair's base and backrest.

Open all containers and review the contents. It may be helpful to locate all kits containing accessories (Smaller parts are often packaged together to avoid being lost).

Locate all documentation supplied with the package. Manuals and installation sheets may be found in one or more boxes accompanying their respective components. Set aside the documentation for the end user to review.

If a complete ensemble is to be installed, set up the chair first. Refer to the installation manual supplied with the chair for instructions.

SYMBOLS USED IN THIS MANUAL

The following symbols may be used throughout this product manual:



CAUTION: Failure to carefully follow the described procedure may result in damage to the equipment, the operator, and/or the operator.



NOTE: Take note of additional important information. Not a CAUTION.



ELECTRICAL HAZARD: Risk of electrical shock present. Ensure that power is disconnected before attempting procedure.



Conforms to applicable European Directives (Essential Requirements)



Conforms to applicable UK Directives (Essential Requirements)

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REGULATORY INFORMATION

Regulatory information is delivered with DCI Edge dental equipment as mandated by agency requirements and can be found in the accompanying Instructions for Use for this device.



CAUTION: Only trained service personnel are permitted to install this equipment.

ORTHODONTIC CHAIR INSTALLATION

TOOLS NEEDED FOR INSTALLATION

- Hex wrench
- Magnetic level
- Nut driver
- Hammer (for concrete floor installation)
- 1/2" concrete drill bit
- 9/16" wrench
- 1/8" hex key

TOOLS NEEDED FOR HEIGHT ADJUSTMENT

- 9/16" socket drive
- 3/16" hex key

INCLUDED HARDWARE

- Complete chair: Chair and base assembly with upholstered headrest
- 3 stud anchors (PN 49052, used to secure concrete floor) with washers and nuts
- Accessories Options (i.e., Arms, Light post, etc.)
- Owner's / Operator's manual (Note: Accessories may be packaged separately)
- 2 10-32" screws

HARDWARE NOT PROVIDED

3x 3/8" Diameter Lag screws (for wood floor installation). Length to be determined by thickness of wood floor being mounted to.

PREPARATION

Preassembly Check: Open shipping cartons carefully and check to see that all parts are received and have not been damaged during shipping.

Unpacking Chair: Carefully remove two fasteners securing chair to pallet using nut driver supplied with order. Slide chair from pallet to proper moving equipment and secure to move chair to final installation location.

CAUTION:



- Chair should be lifted from below main seat frame. Do not at any time move chair by lifting on back or seat upholstery or optional armrests. Use proper lifting techniques to avoid personal injury.
- Take care when using any sharp objects or tools to avoid damage to upholstery or painted parts.

ORTHODONTIC CHAIR INSTALLATION

DRILLING FLOOR

Location: Full size templates are available upon request for laying out location of chair and utilities (if required) prior to actual installation.

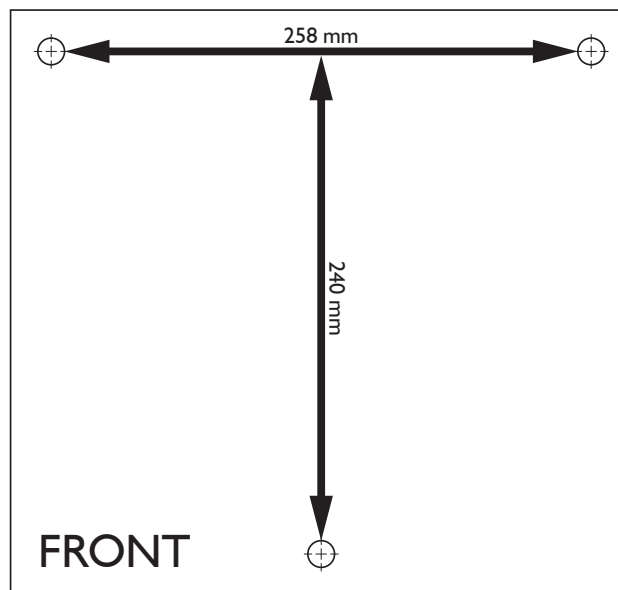


CAUTION: Base must be anchored to floor. Failure to do so may result in serious bodily injury to operator and/or patient and could cause unwarranted product damage. Chairs not properly anchored do not meet warranty requirements.



CAUTION: Before drilling into the floor, be sure to locate all utilities that may already be routed in the floor to ensure that you can safely drill.

- **For concrete floors**, drill 1/2" holes to approximately 2 1/2" deep on the floor according to the below dimensions.
- **For wood floors**, obtain 3x 3/8" Diameter Lag Screws (not provided). The length of the Lag Screws will need to be determined based on the thickness of the wood floor being mounted to. Following the specifications set by the Lag Screw manufacturer, pre-drill three holes to the manufacturer's recommended diameter and depth, located according to the below dimensions.



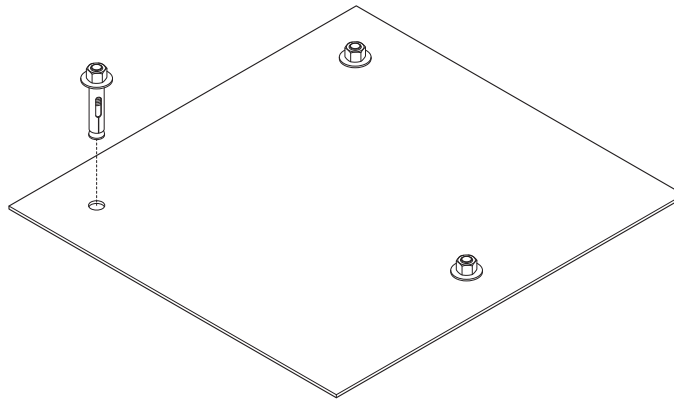
CAUTION: To prevent possible injury or damage, do not drill through carpeting. Cut away carpeting at anchor hole locations.

ORTHODONTIC CHAIR INSTALLATION

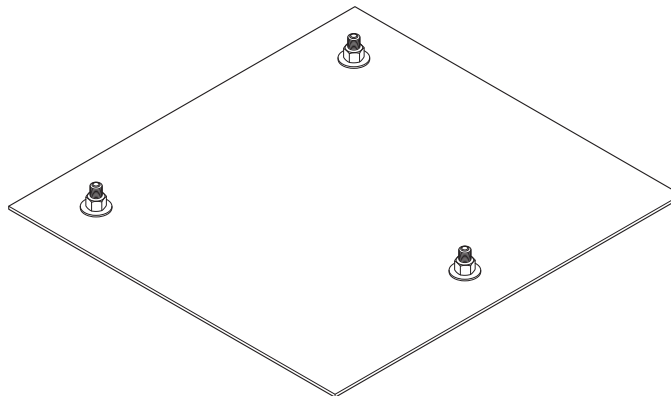
INSTALLING ANCHORS ON CONCRETE FLOORS

The below instructions are for installing onto a concrete floor. To install into a wood floor, skip to the next page.

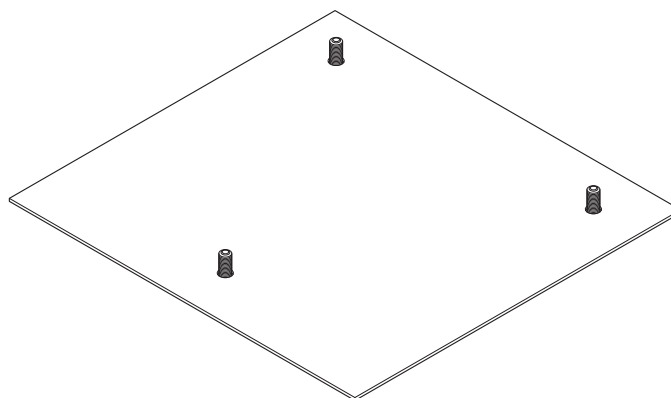
Hammer in 3 anchors (PN 49052) to the 1/2" drilled holes.



Using 9/16" wrench (not provided), assemble washers and nuts (provided with PN 49052) and tighten to the floor.



Next, remove nuts and washers with the 9/16" wrench.

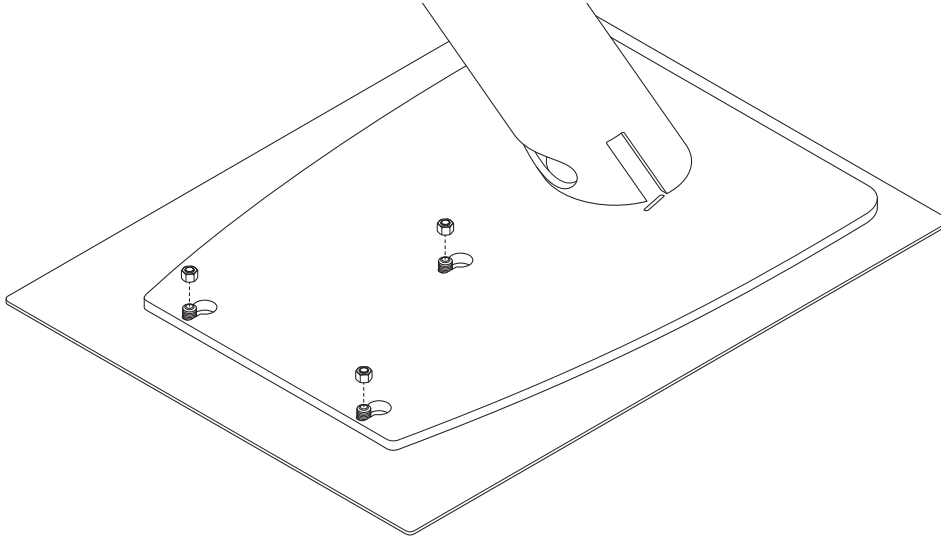


ORTHODONTIC CHAIR INSTALLATION

MOUNTING CHAIR

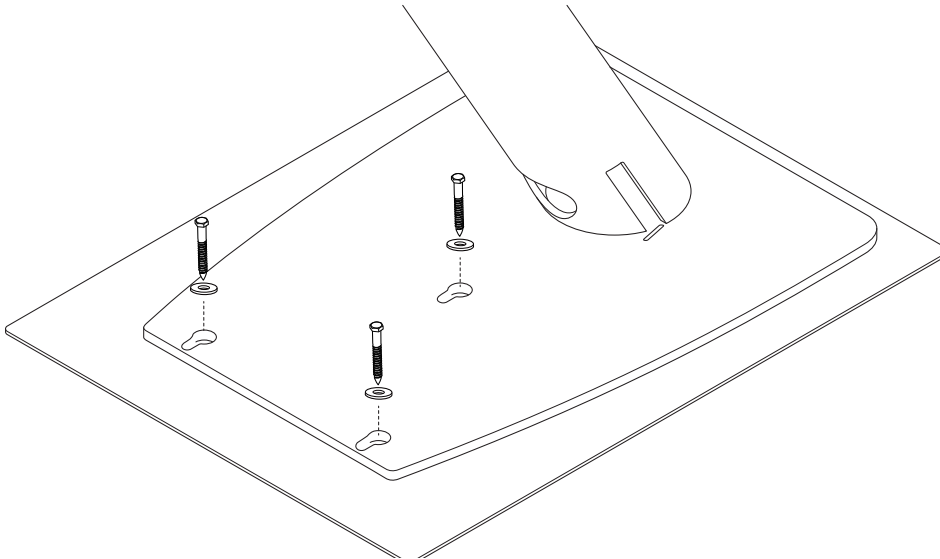
For concrete floors:

Align the chair to the floor anchors or pre-drilled holes and reassemble the washers and nuts until snug.



For wood floors:

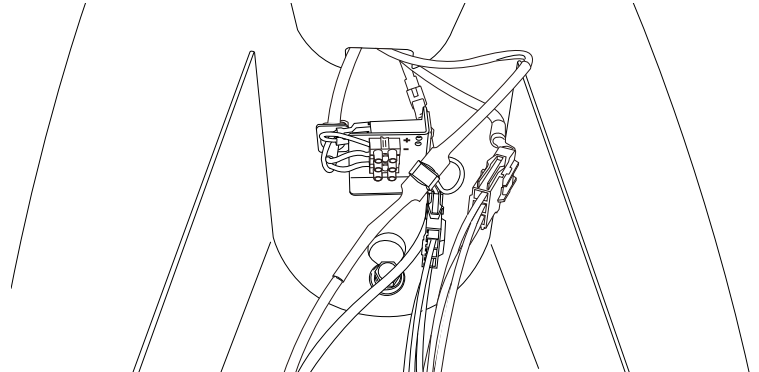
Obtain 3x 3/8" Diameter Lag Screws (not provided). The length of the lag screws will need to be chosen based on the thickness of the wood floor being mounted to. Align the chair to the pre-drilled holes and assemble the lag screws (not provided) and washers (from PN 49052) until snug.



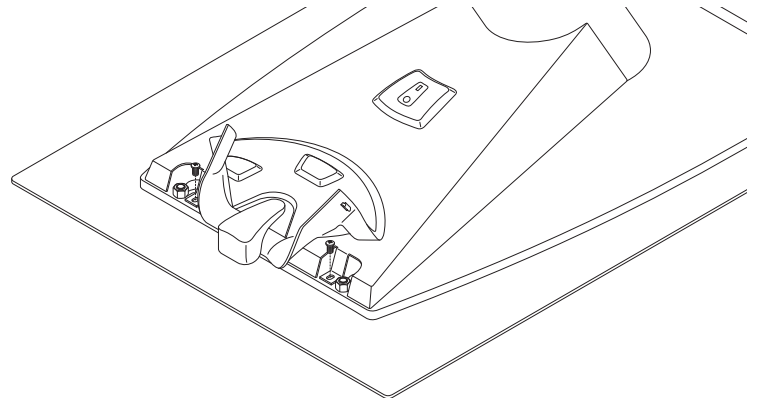
ORTHODONTIC CHAIR INSTALLATION

INSTALLING COVER

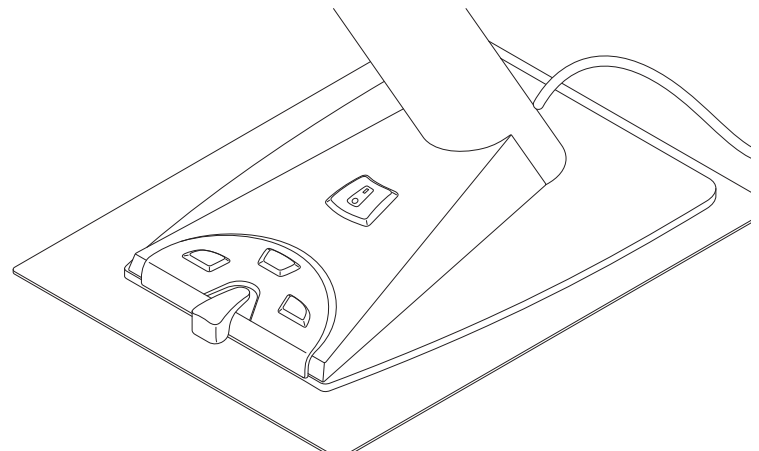
- 1** Make electrical connections.



- 2** Slide cover into place. Carefully fold back the rubber foot pad to expose the cutout areas below, and add 2 10-32" screws to secure the cover to the base plate using a 1/8" hex key.



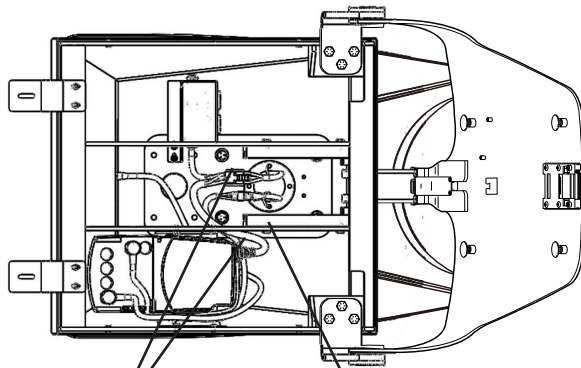
- 3** Re-engage the hook features of the foot pad to the inside of the cutout in the cover to complete the assembly.



ORTHODONTIC CHAIR INSTALLATION

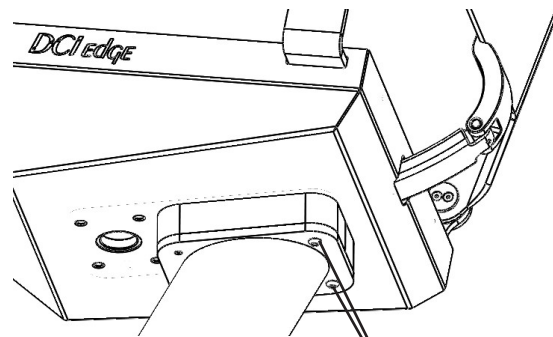
ADJUSTING HEIGHT

Adjust height by removing or adding 2 spacers between the post and the upper seat assembly.



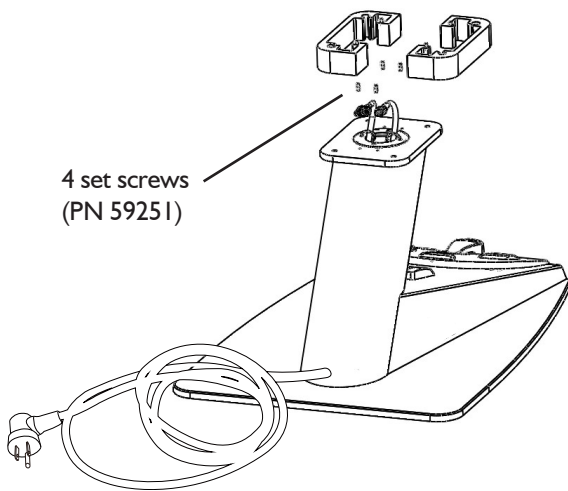
Access 2 screws
from above as
shown here using a
9/16" socket drive.

Disconnect 2 cable
harnesses here.

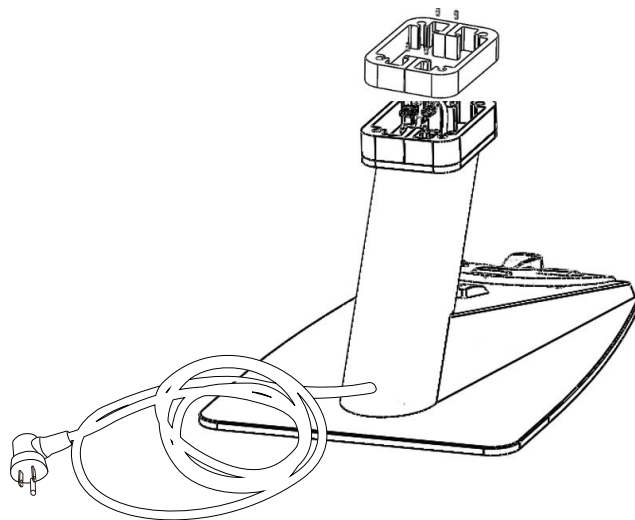


Access 2 screws from below as shown
here using a 3/16" hex key.

Remove the upper chair assembly from the post and remove or add spacers to the desired height.



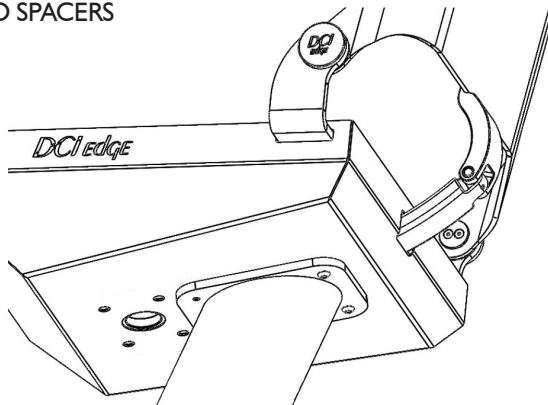
4 set screws
(PN 59251)



ORTHODONTIC CHAIR INSTALLATION

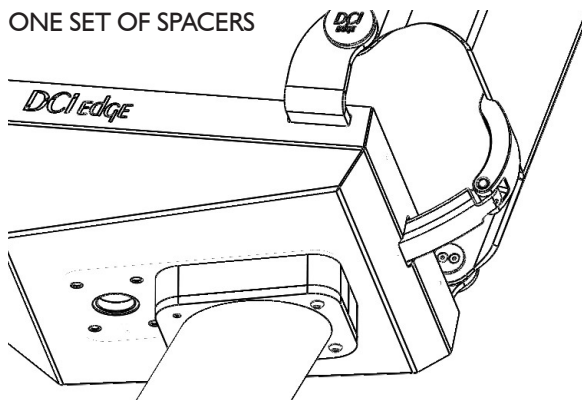
Reassemble the upper portion of the chair using the screws provided according to the length required as shown below.

NO SPACERS



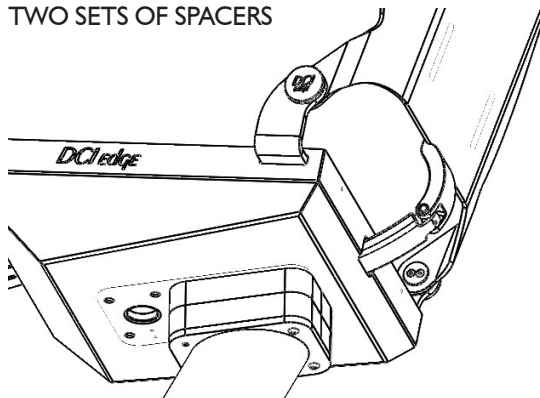
Seat height: 20"
Screw Part Number: 49068

ONE SET OF SPACERS



Seat height: 21.5"
Screw Part Number: 49064, 49038
Spacer Part Number: 41061

TWO SETS OF SPACERS

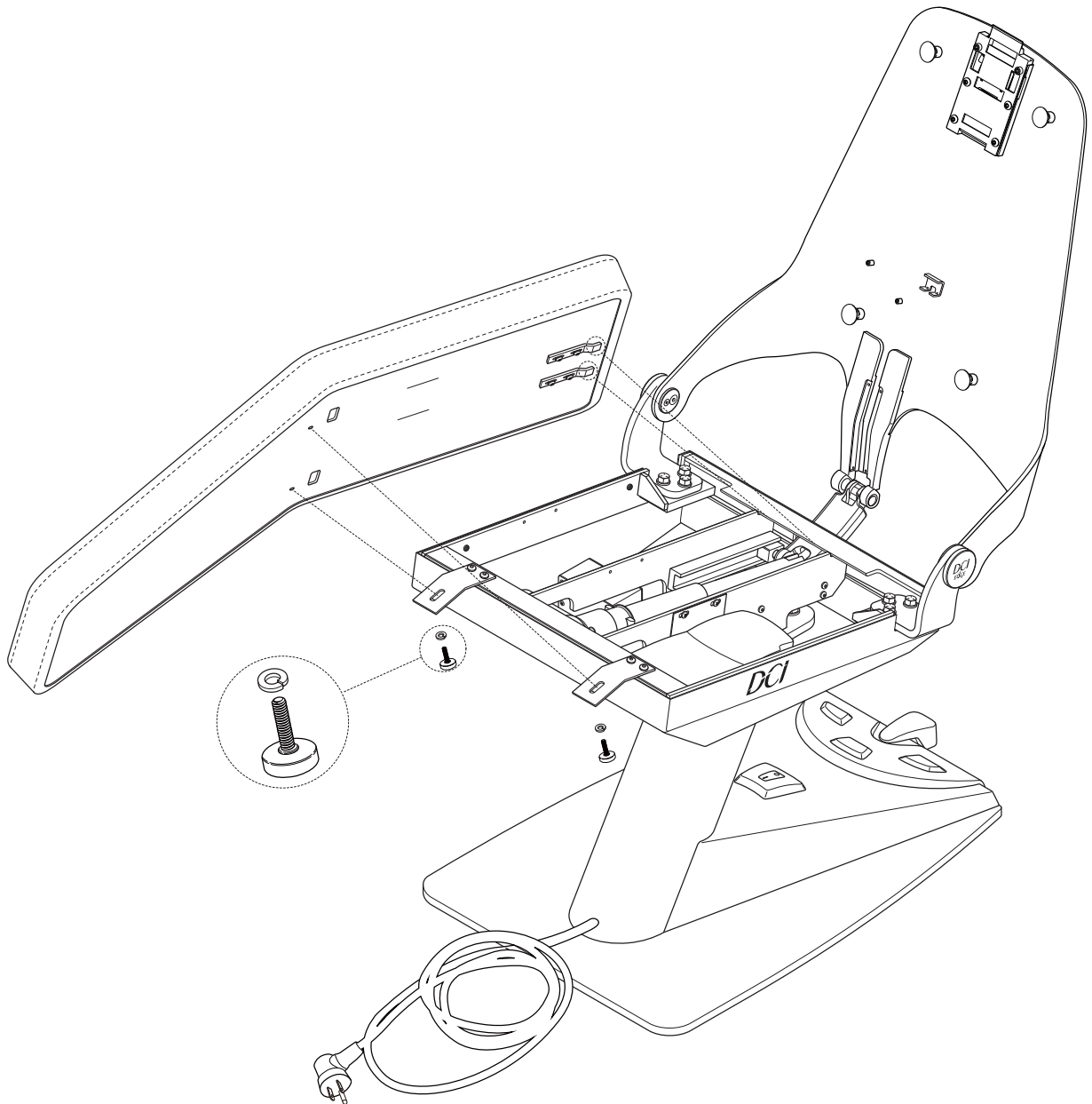


Seat height: 23"
Screw Part Number: 49066, 49067
Spacer Part Number: 41061

ORTHODONTIC CHAIR INSTALLATION

APPLYING SEAT UPHOLSTERY

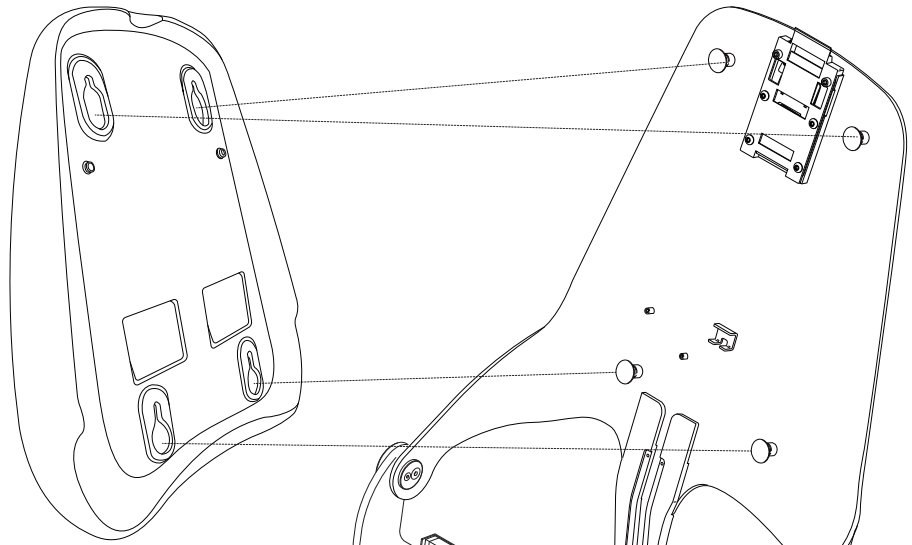
Position the seat squarely on the chair frame and push the seat toward the backrest to engage the 2 hooks under the back flange of the frame. Lower the seat and install the 2 screws and split washers at the front to lock the seat in place.



ORTHODONTIC CHAIR INSTALLATION

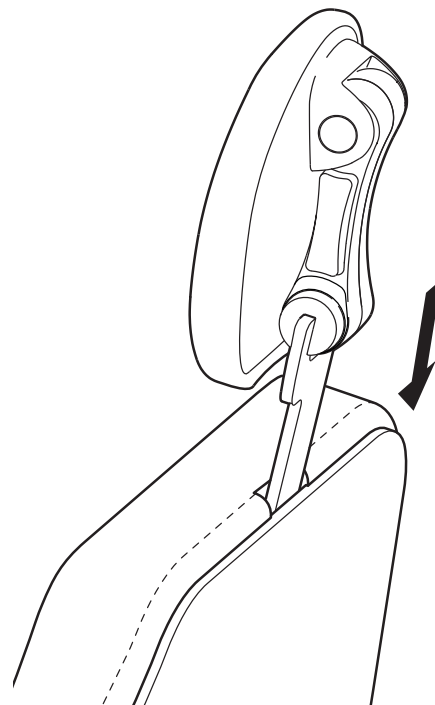
INSTALLING BACK UPHOLSTERY

Engage the hooks on the back of the backrest upholstery to the horizontal bars in the back frame. Slide the upholstery downward until it stops against the bars.



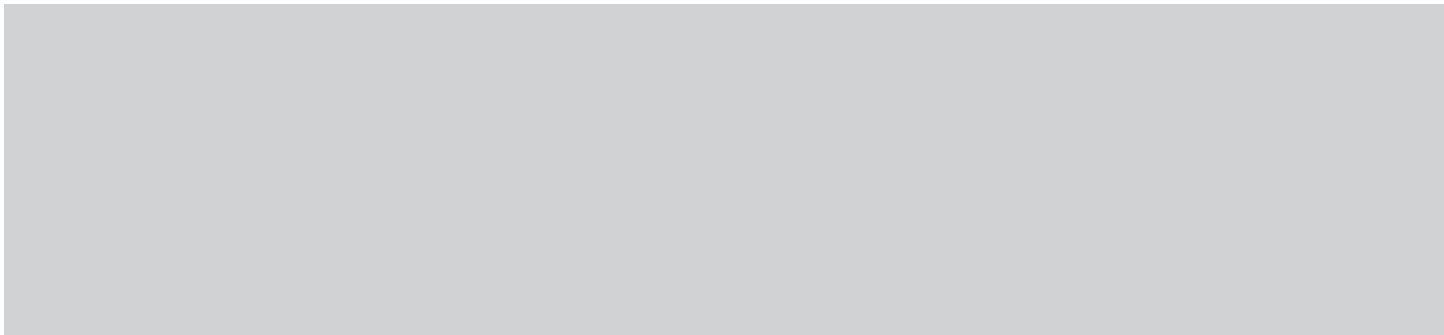
INSTALLING HEADREST

Slide the headrest into the back frame assembly as shown.



TROUBLESHOOTING

Symptoms	Appropriate Action
Chair will not operate	Check the main ON/OFF switch to ensure it is in the ON position.
Chair will not operate	Check the A/C outlet that the chair is plugged into to ensure that there is power going to the chair. Also check the building's circuit breakers if no power is available at the A/C outlet.
Main On/Off switch (CI) is "ON" Motors will not work	<ul style="list-style-type: none"> • Check to make sure that the round cable plug at the end of the motor cable is pushed all the way into the Controller box located under the seat. • Check the cables connected between the Switch Interface Circuit and the Controller (refer to Base Parts List) and assure they are completely engaged.
Noisy motor(s)	Damaged gears - call for service.



PN 40040, Rev. D, 2025-03-07

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