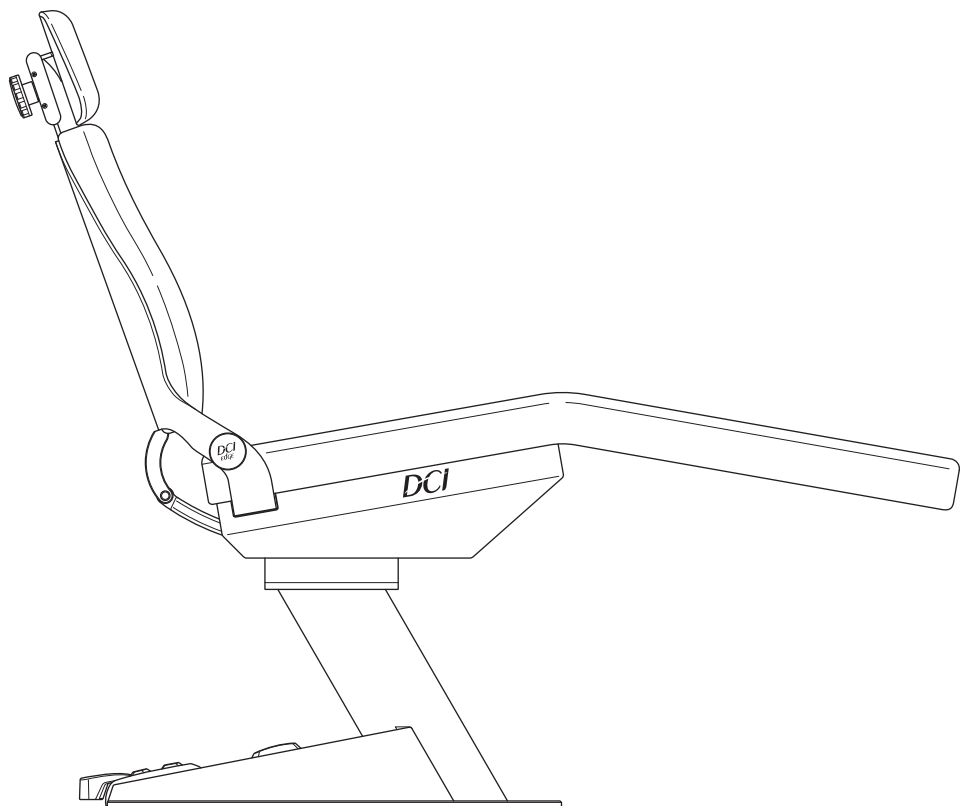
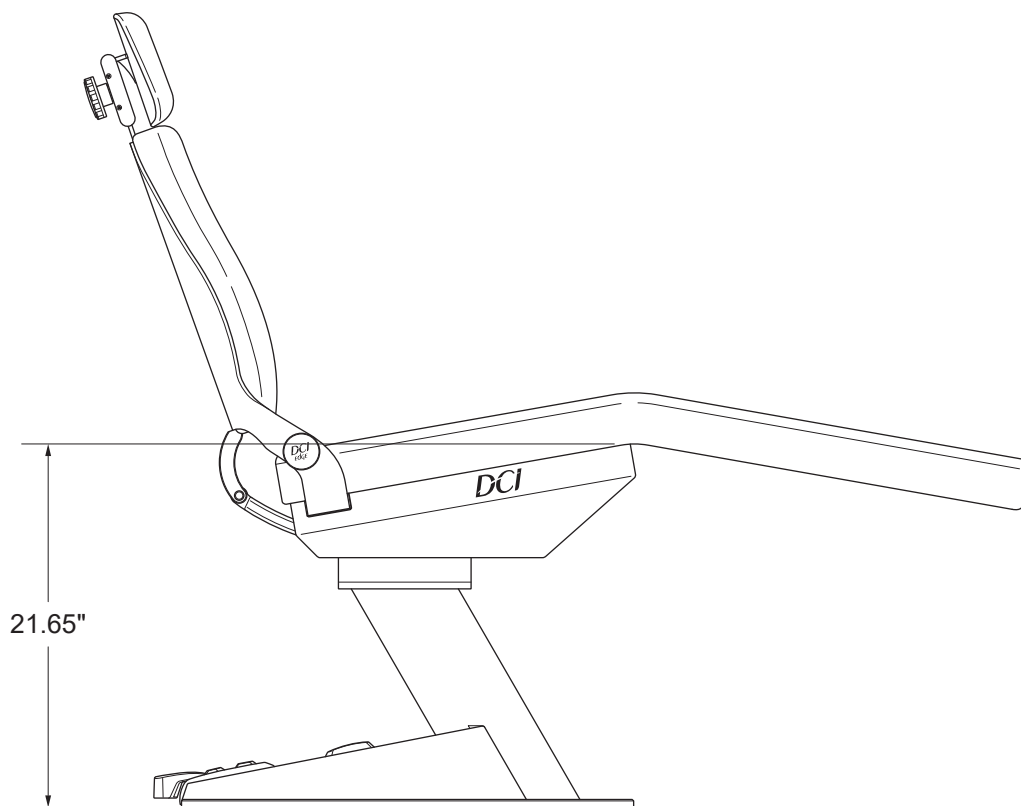
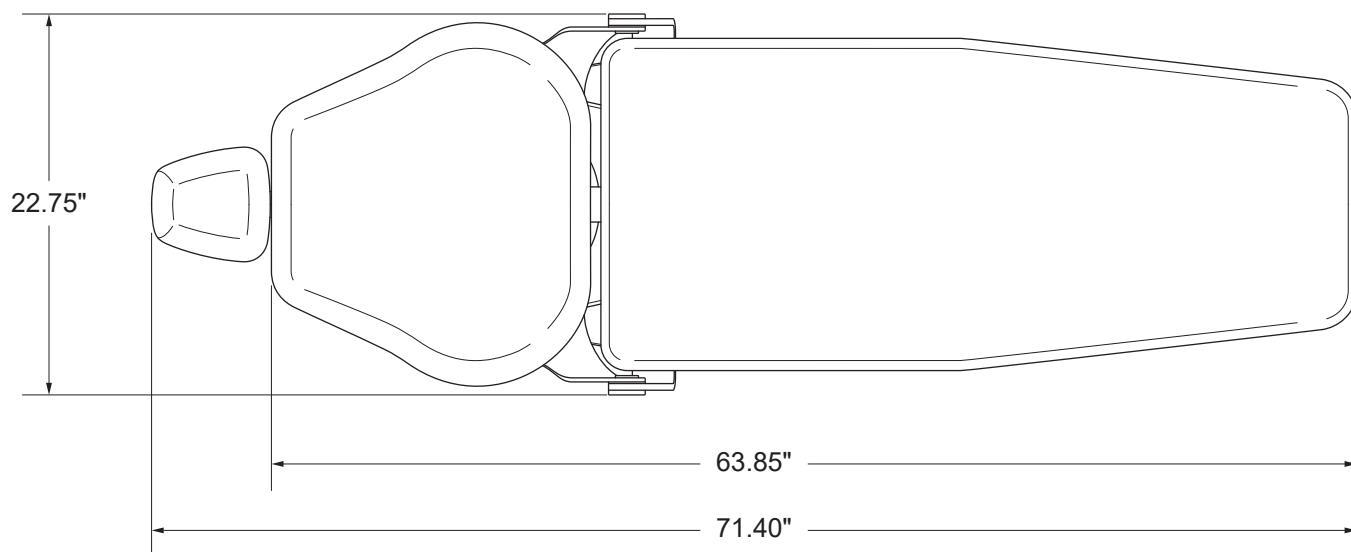


ORTHODONTIC CHAIR

Installation Instructions



OVERVIEW



INTRODUCTION

SYMBOLS

The following symbols may be used throughout this product manual:



CAUTION: General Caution. Failure to carefully follow the described procedure may result in damage to the equipment.



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



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



NOTE: Take note of additional important information. Not a warning or caution.



Manufacturer



Manufacturing date



Waste Electrical and Electronic Equipment



Type B Equipment (Protected against electrical shock)



Protective Earth (ground)



Alternating Current



Power OFF



Power ON



Conforms to applicable European Directives (Essential Requirements)



Electrical Testing Lab



Advisable to consult accompanying documents



Refer to instruction manual/booklet



Home Position



Backrest Movement Position

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Introduction	3
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Troubleshooting	15

GENERAL SAFETY

WARNINGS & CAUTIONS



WARNING: This product must be disinfected before use.



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



CAUTION: Use a licensed electrician for all wiring.



WARNING: To avoid risk of electric shock, this equipment must be connected only to supply mains with protective ground.



WARNING: Modification of this equipment is not allowed.



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



WARNING: Power cords and their associated parts cannot be substituted without increase risk of shock or fire. Use authorized replacement parts only. Power cords must be installed by qualified personnel. Ensure all service loops, strain reliefs and cord guards are in place and that line, neutral and ground wires are secured.



WARNING: Patient weight capacity is 350lbs. Do not exceed this limit. Doing so may cause personal injury and/or damage to the chair.



WARNING: To avoid possible injury and/or damage to the chair, do not apply full body weight on the headrest, backrest, toeboard and armrest. Doing so may cause the chair to tip.



WARNING: To isolate from mains power, unplug the cord. Make sure to leave the mains cord accessible.



WARNING: Do not connect extension cords or power strips to the electrical receptacles.



WARNING: Do not sit on the backrest or the toe end of the seat. These sections are not designed to support the full weight of patient.



WARNING: Do not allow children unsupervised access to the orthodontic chair and auxiliary equipment.

This product is intended for use by trained dental/orthodontic professionals only.

PREPARATIONS

UNPACKING

Preambly 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 (2) 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.

Take care when using any sharp objects or tools to avoid damage to upholstery or painted parts.



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.

CONTENTS

Complete chair: Chair and base assembly with upholstered headrest

Three (3) anchors (used to secure to floor)

Accessories Options (i.e., Arms, Light post, etc.)

Owner's / Operator's manual (Note: Accessories may be packaged separately)

INSTALLATION

FLOOR DRILLING

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



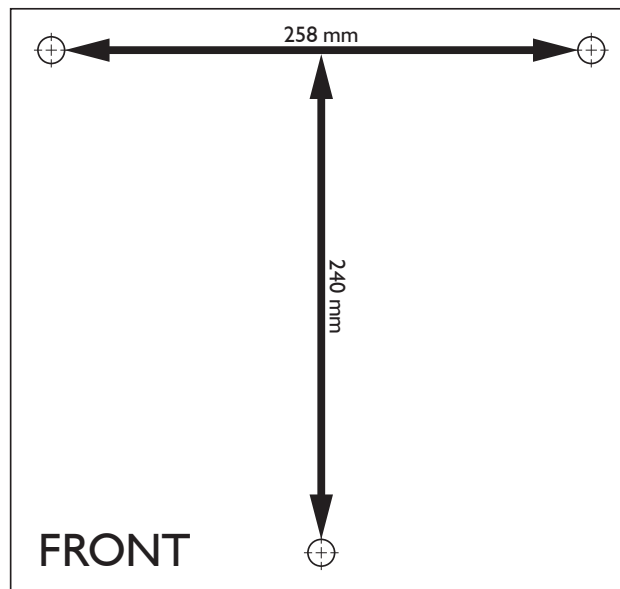
CAUTION: Base must be anchored to floor. Failure to do so may result in serious bodily injury to operator and/or patient and could cause unwarranted product damage. Chairs not properly anchored do not meet warranty requirements.



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, pre-drill holes sized for 1/2" lag bolts 2 1/2" deep.



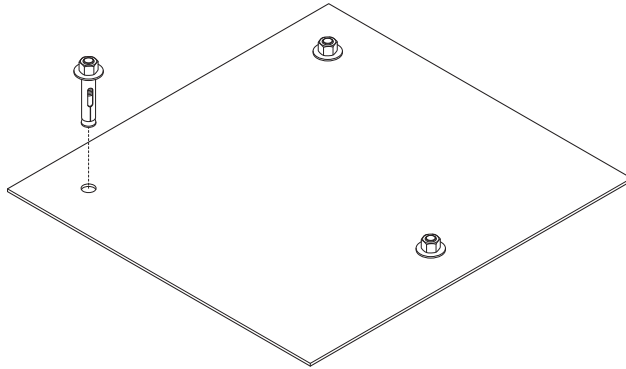
CAUTION: To prevent possible injury or damage, do not drill through carpeting. Cut away carpeting at anchor hole locations.

INSTALLATION

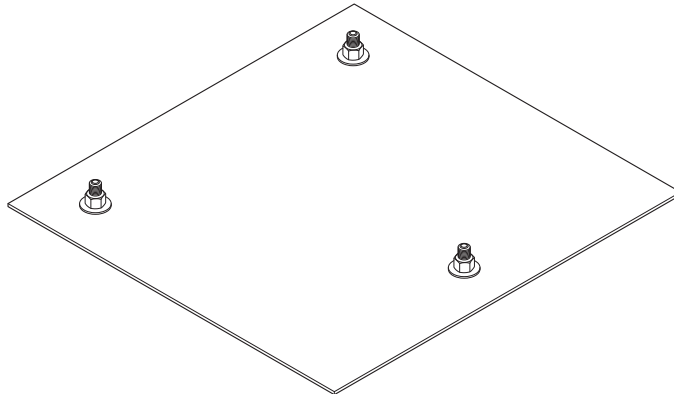
CONCRETE FLOOR INSTALL

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

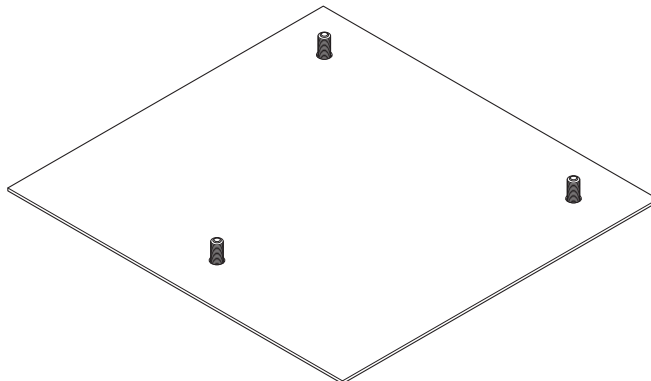
Hammer in 3 anchors to the 1/2" drilled holes.



Using 9/16" wrench, assemble washers and nuts and tighten to the floor.



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

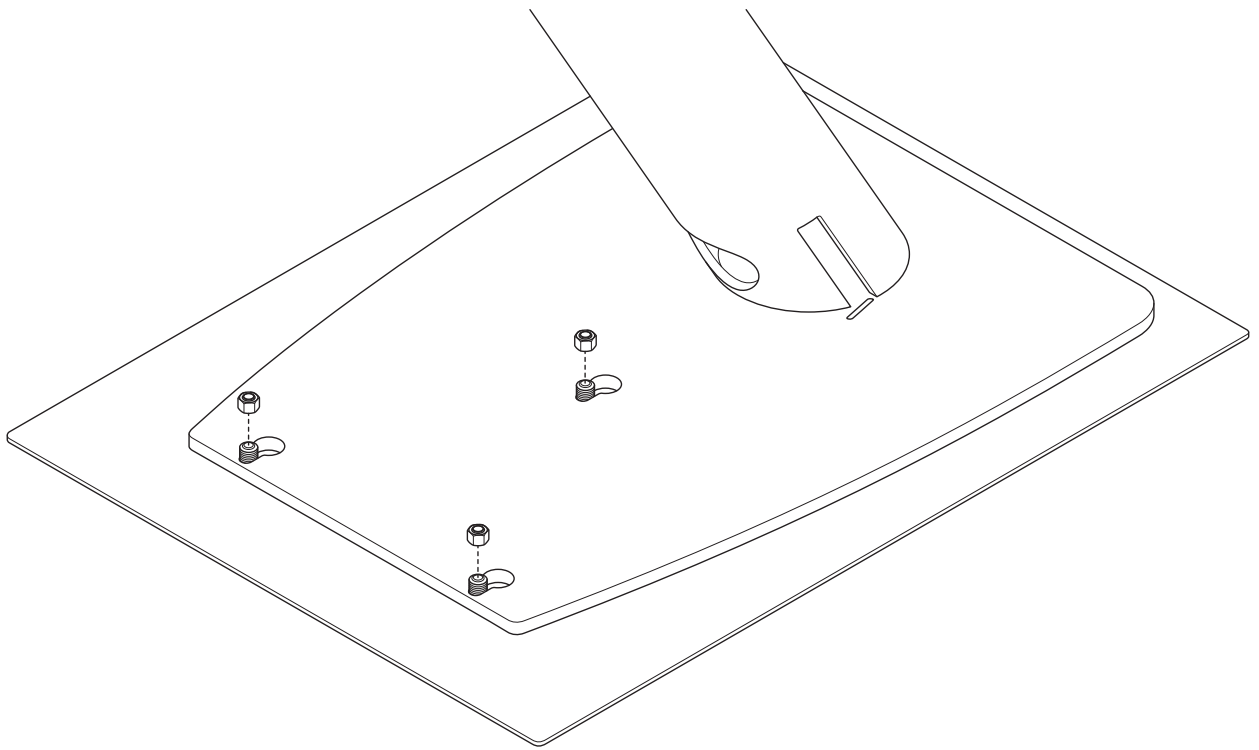


INSTALLATION

CHAIR MOUNTING

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

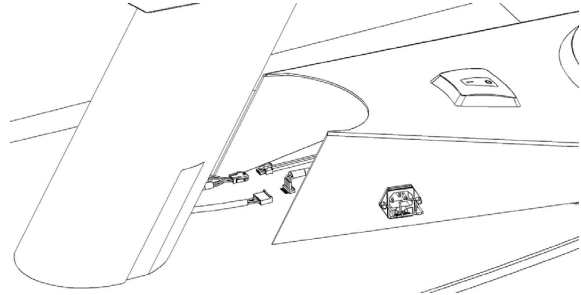
For wood floors: Align the chair to the pre-drilled holes and assemble the lag screws and washers until snug.



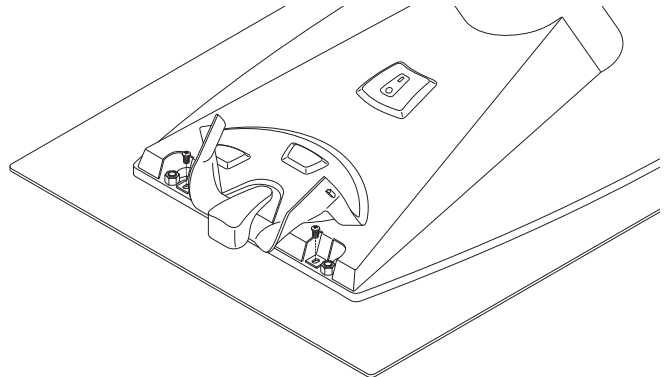
INSTALLATION

COVER INSTALLATION

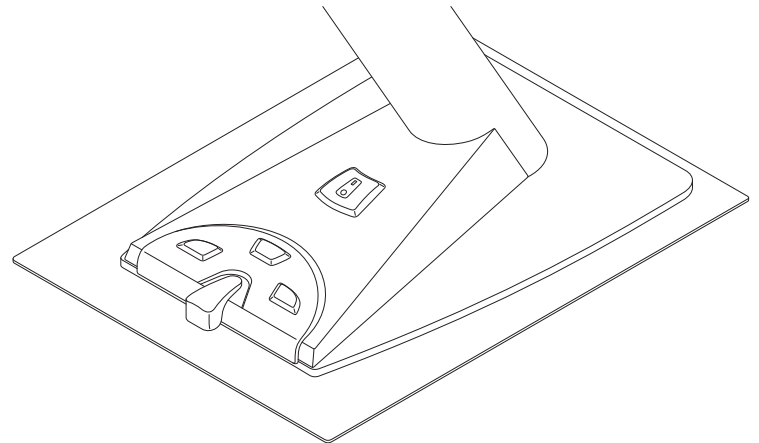
- 1** Place Cover on Base Plate and make electrical connections.



- 2** Slide cover into place. 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.



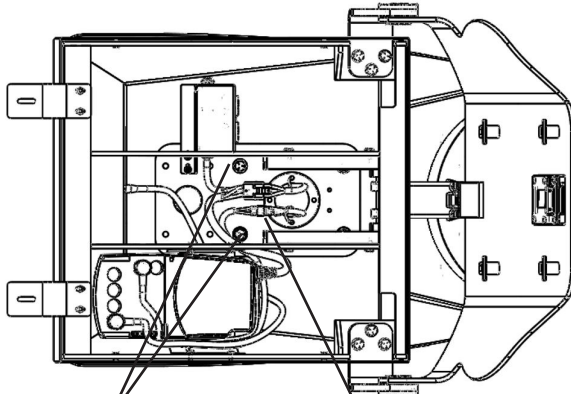
- 3** Re-engage the hook features of the foot pad to the inside of the cutout in the cover to complete the assembly.



INSTALLATION

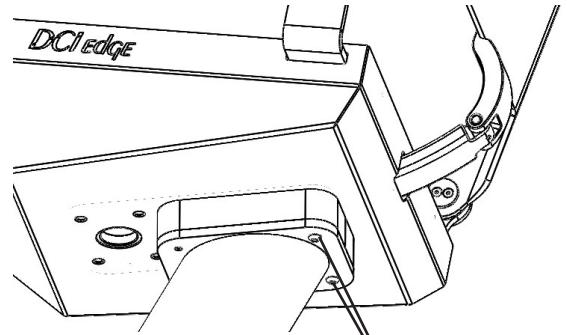
HEIGHT ADJUSTMENT

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



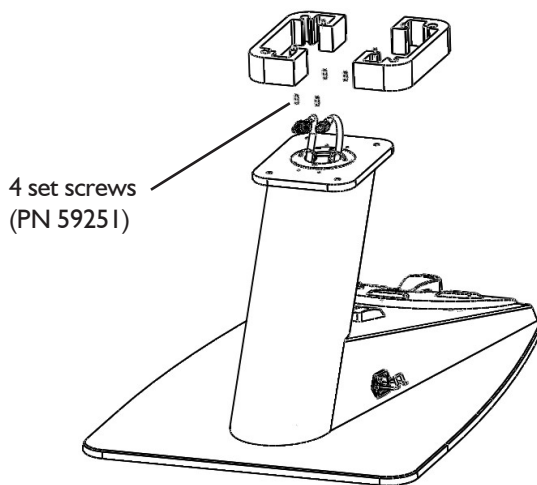
Access 2 bolts from above as shown here using a 9/16" socket drive.

Disconnect 2 cable harnesses here.

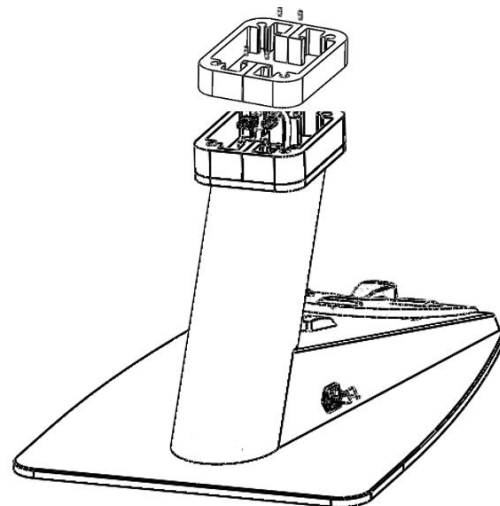


Access 2 bolts from below as shown here using a 3/16" hex key.

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



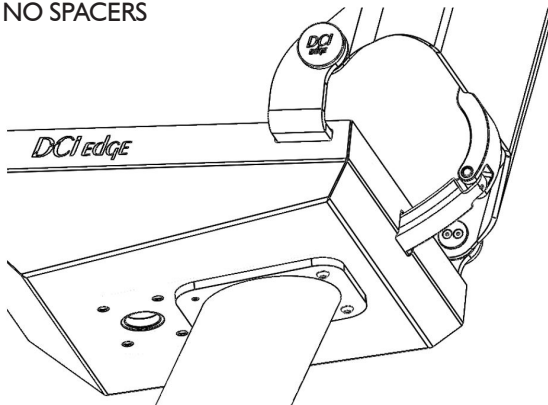
4 set screws
(PN 59251)



INSTALLATION

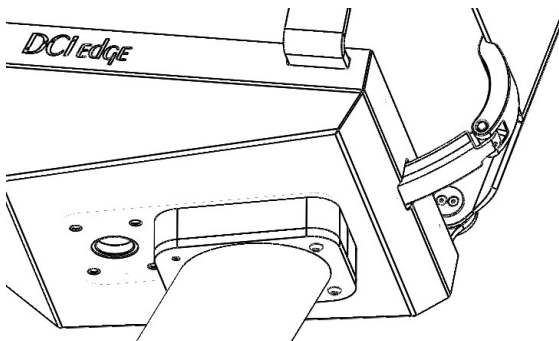
Reassemble the upper portion of the chair using the bolts provided according to the length required as shown below.

NO SPACERS



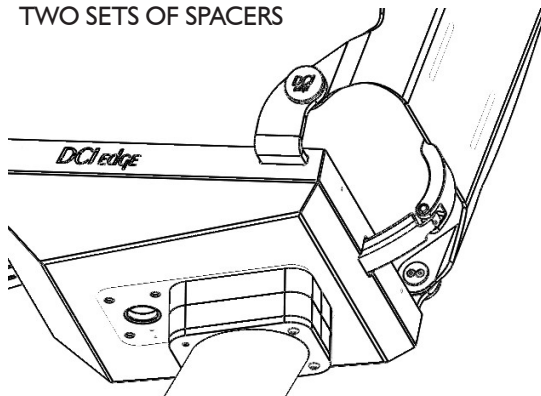
Seat height: 20"
Bolt Part Number: 49068

ONE SET OF SPACERS



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

TWO SETS OF SPACERS

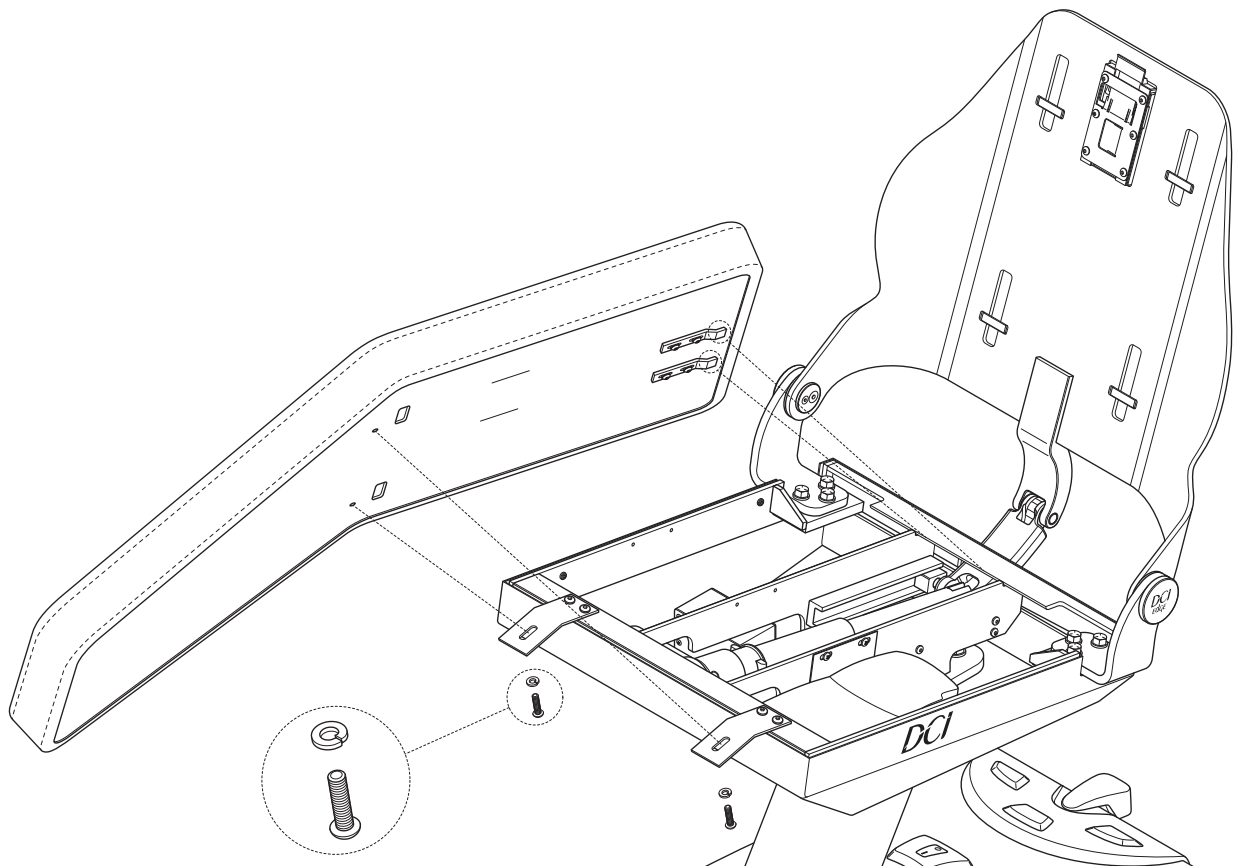


Seat height: 23"
Bolt Part Number: 49066, 49067
Spacer Part Number: 41061

INSTALLATION

APPLY SEAT UPHOLSTERY

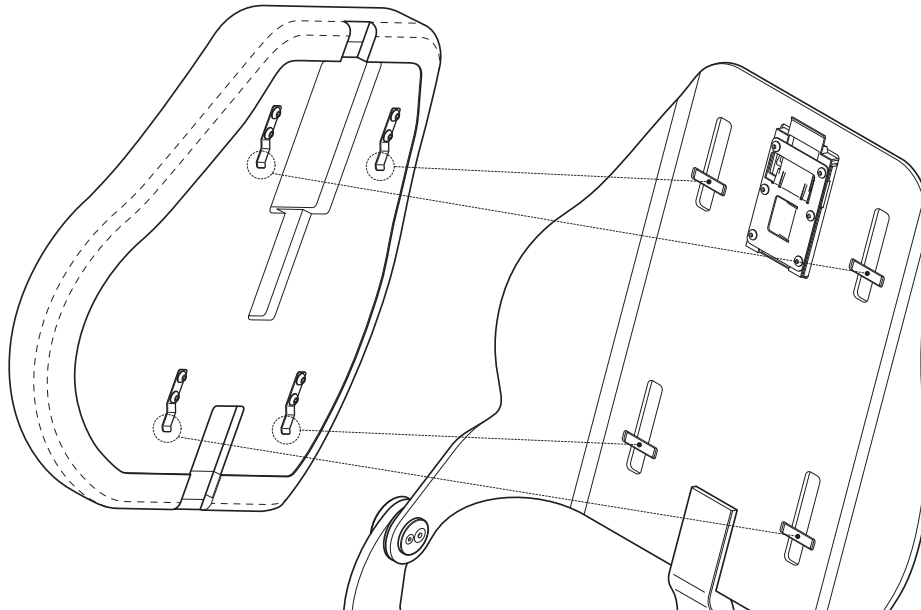
Position the seat squarely on the chair frame and push the seat toward the backrest to engage the 2 hooks under the back flange of the frame. Lower the seat and install the 2 screws and split washers at the front to lock the seat in place.



INSTALLATION

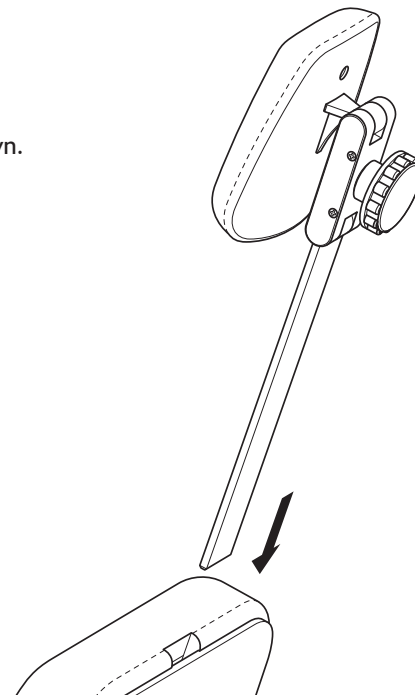
INSTALL BACK UPHOLSTERY

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.



INSTALL HEADREST

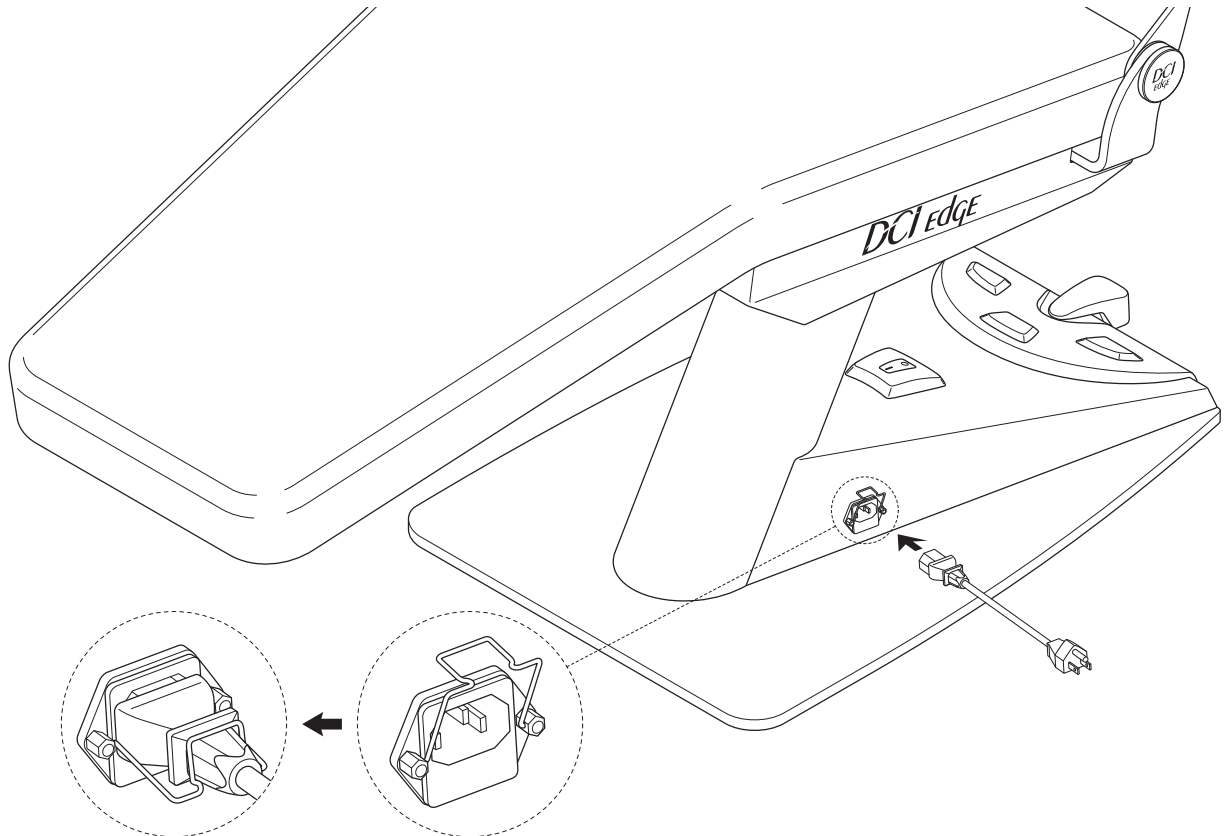
Slide the headrest into the back frame assembly as shown.



INSTALLATION

POWER CORD

Attach the power cord to the AC receptacle located on the side of the cover. Lower the wire clip over the power cord to secure the connection.



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	<ol style="list-style-type: none"> 1. 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. 2. 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. B, 2018-06-28

www.dcionline.com
800-624-2793

***DCI** edge*



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