stomdevice

a-dec

A-dec 572L Dental Light on A-dec 511 Dental Chair

Installation Guide

Contents

Before You Begin 2
Install the Dental Light 4
Connect the Electrical Wires and Data Line 13
Prepare and Adjust the Light. 14
Test the Light 18
Install the Covers 20



Product Models and Versions Covered in this Document

Models	Versions	Description
572L	A	Dental Light
511	B	Dental Chair

86.0795.00 Rev C

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Before You Begin

NOTE Information that is critical to a successful installation is shaded like this note throughout the guide.

CAUTION When removing or replacing covers, take care not to damage any wiring or tubing. Verify that the covers are secure after replacing them.

ATTENTION Circuit boards are sensitive to static electricity. Electrostatic Discharge (ESD) precautions are required when touching a circuit board or making connections to or from the circuit board. Circuit boards should be installed only by an electrician or qualified service person.

Recommended Tools

- Umbilical snake
- Shipping strap from the 511 dental chair
- Torque wrench with 3/16" hex key
- 1/2" combination wrench
- Phillips head screwdriver
- Torque wrench with 5/8" socket
- Hex key set
- Anti-static wrist strap

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

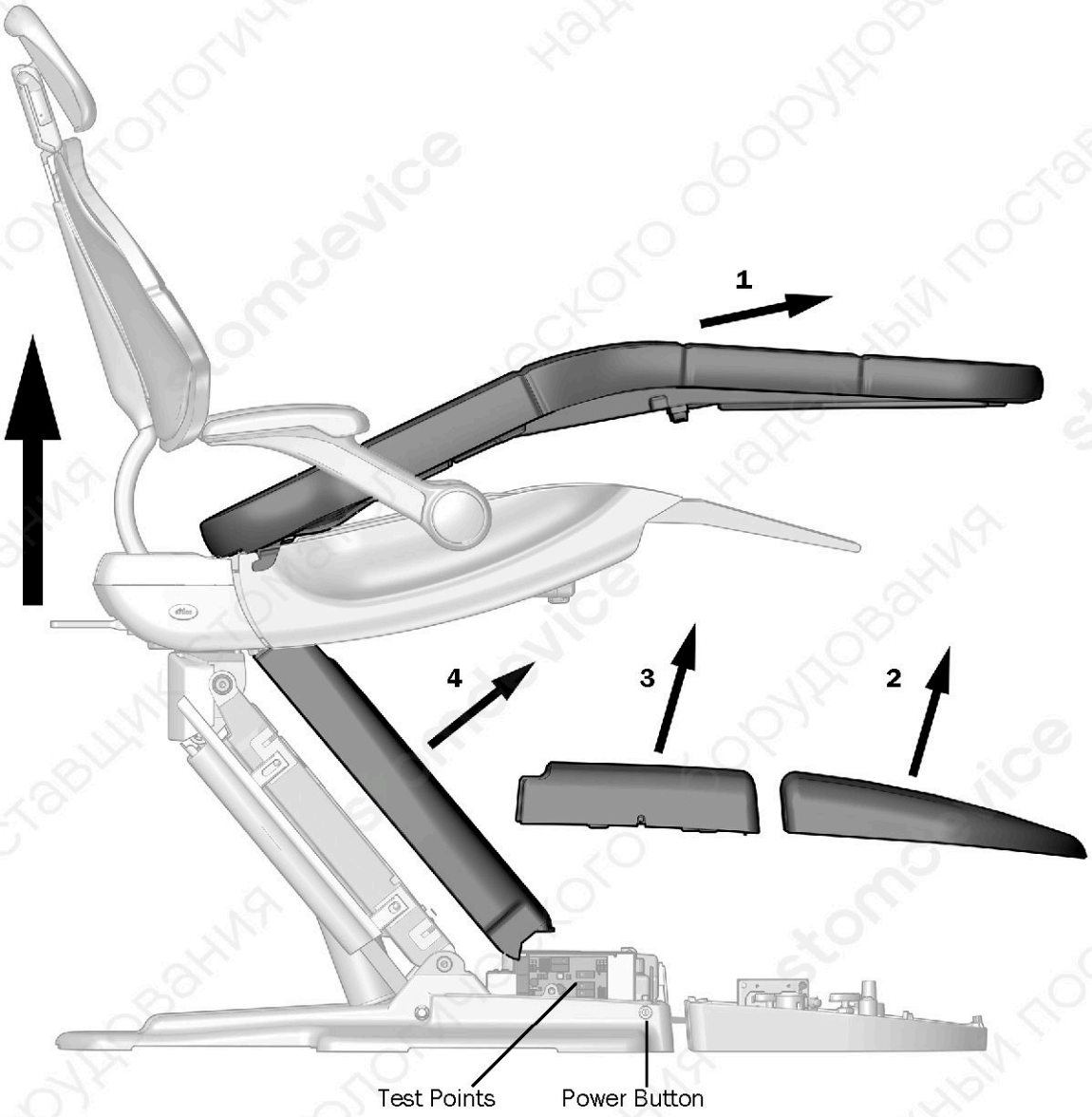
Remove the Existing Covers and Upholstery

Recommended Tool

- 3/16" hex key

Task 1.

1. Turn on the power to the chair.
2. Use the deluxe plus touchpad or test points to fully raise the chair base and chair back.
3. Remove the upholstery and covers in the order shown.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

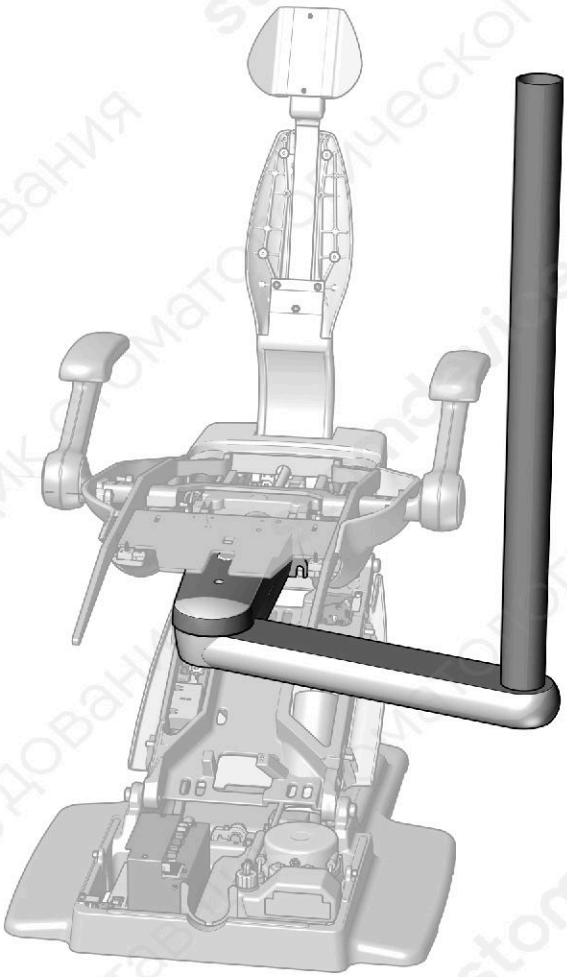
stomdevice

Install the Dental Light

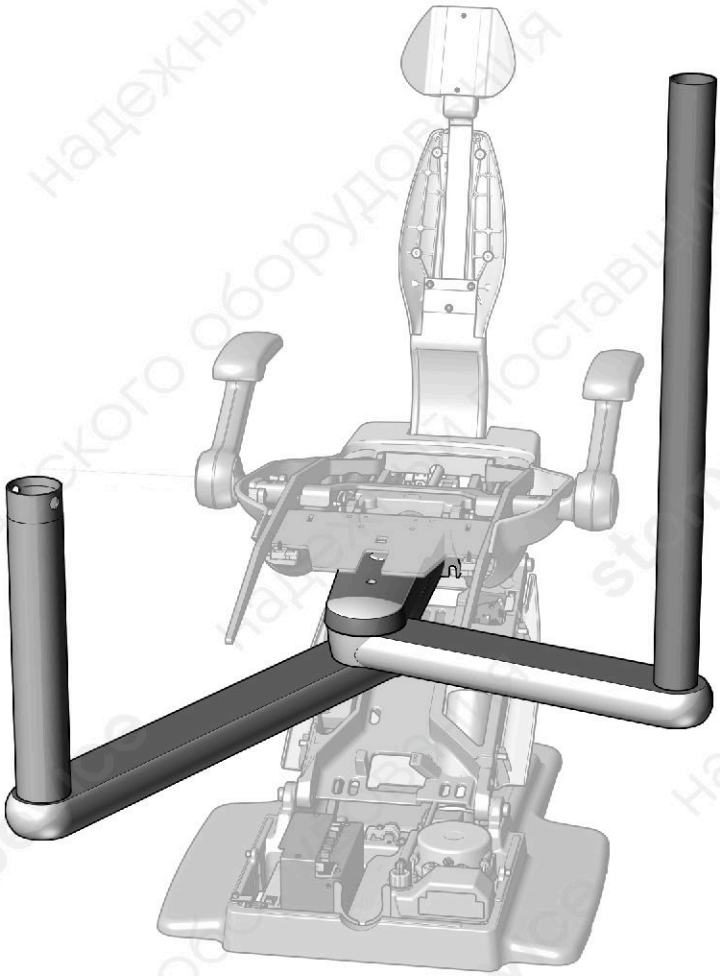
Install the Tandem Front Mount

Complete the instructions for the system's configuration.

Install the Tandem Front Mount for A-dec 572L Light Only **5**
Install the Tandem Front Mount for A-dec 572L with A-dec 532B/533B **7**



Dental Light Rigid Arm Only on a Tandem Front Mount



Dual Rigid Arms on a Tandem Front Mount

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

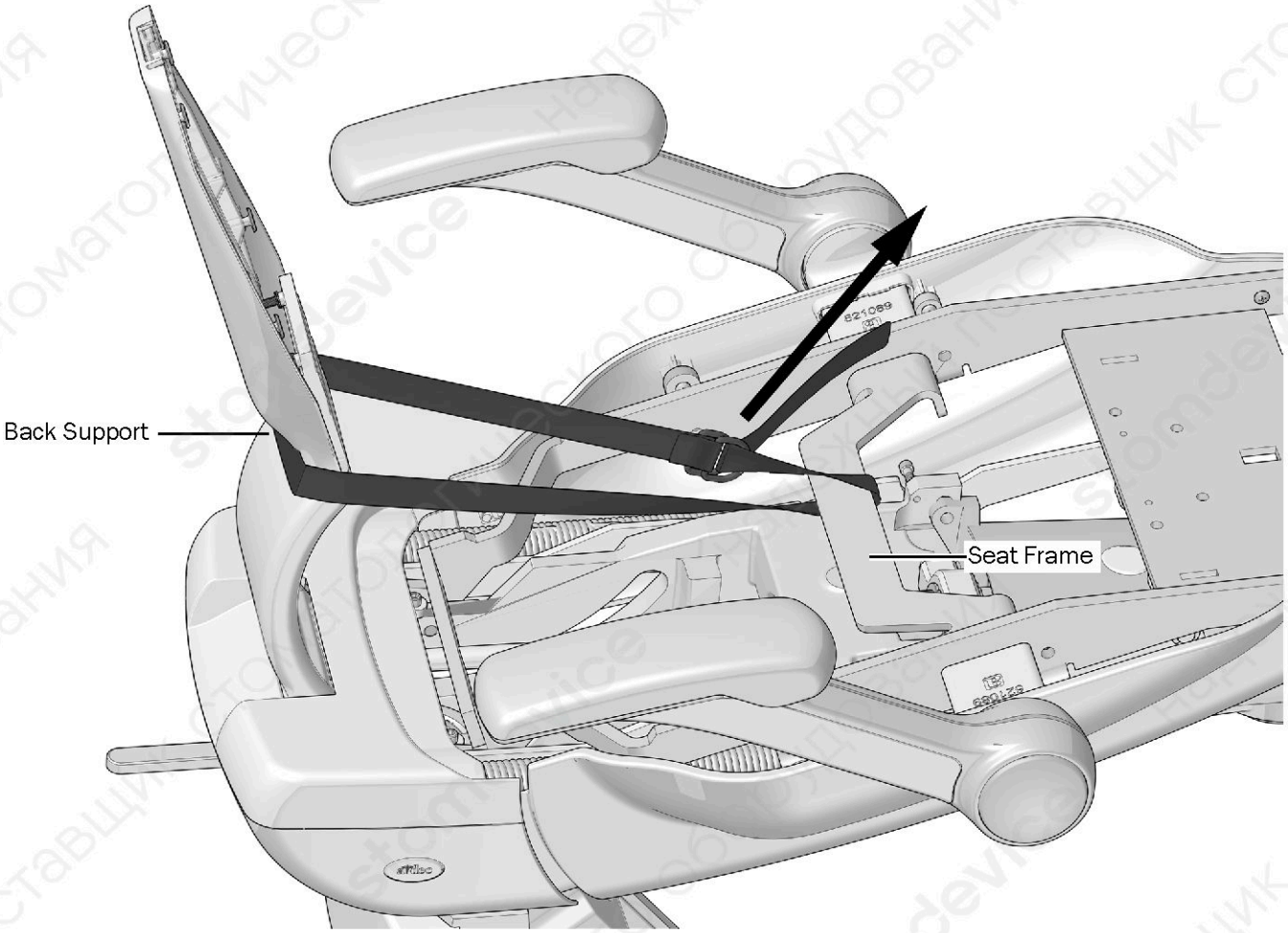
Install the Tandem Front Mount for A-dec 572L Light Only

Recommended Tools

- Shipping strap from the 511 dental chair
- Torque wrench with 5/8" socket

Task 1.

To provide better access to the upper structure, use the shipping strap from the A-dec 511 dental chair to lift and secure the seat frame.



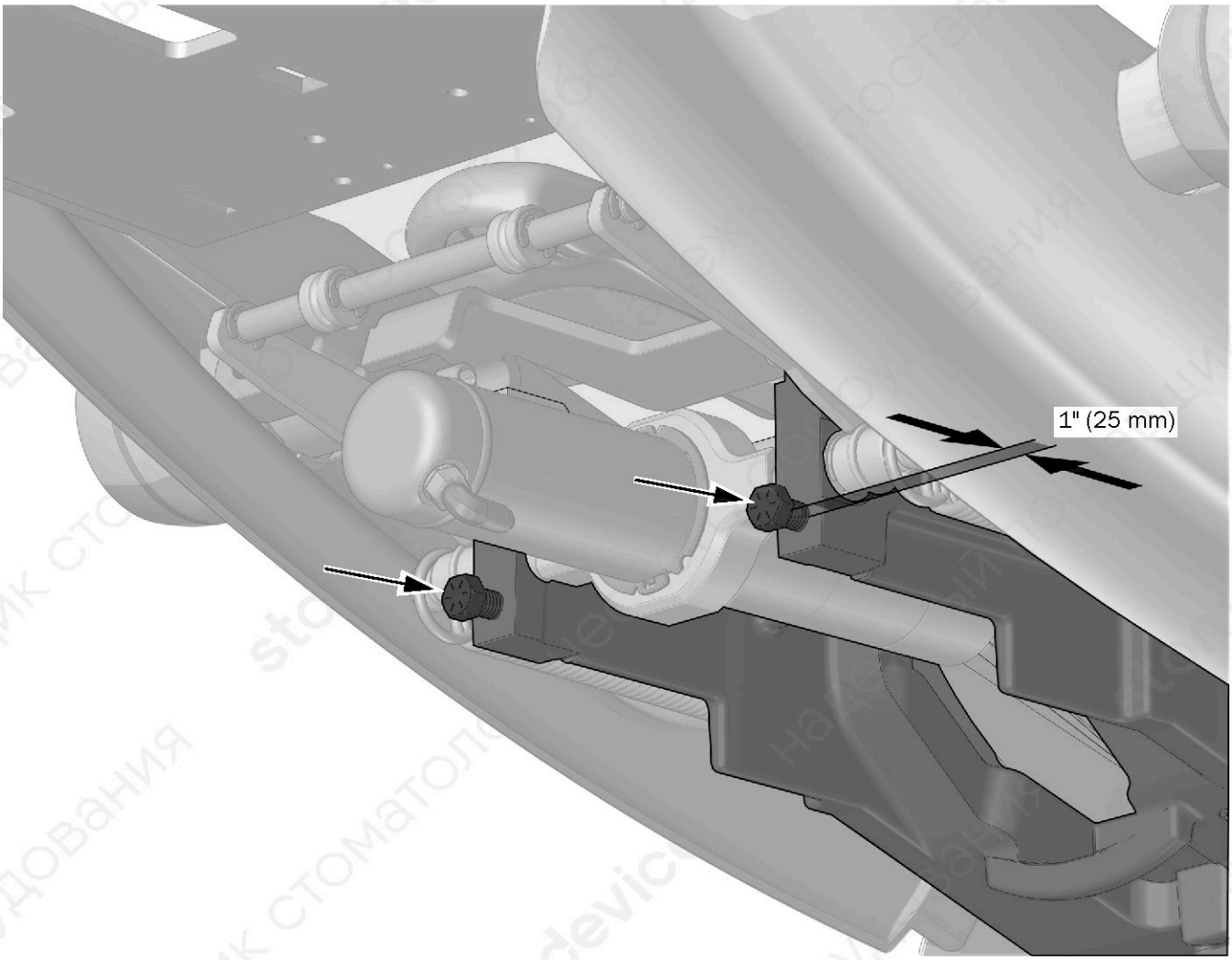
1. Route the shipping strap up through the seat frame and around the back support where it is secured to the chair back.
2. Thread the strap between the two loops and tighten to lift and hold the seat frame.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Task 2.

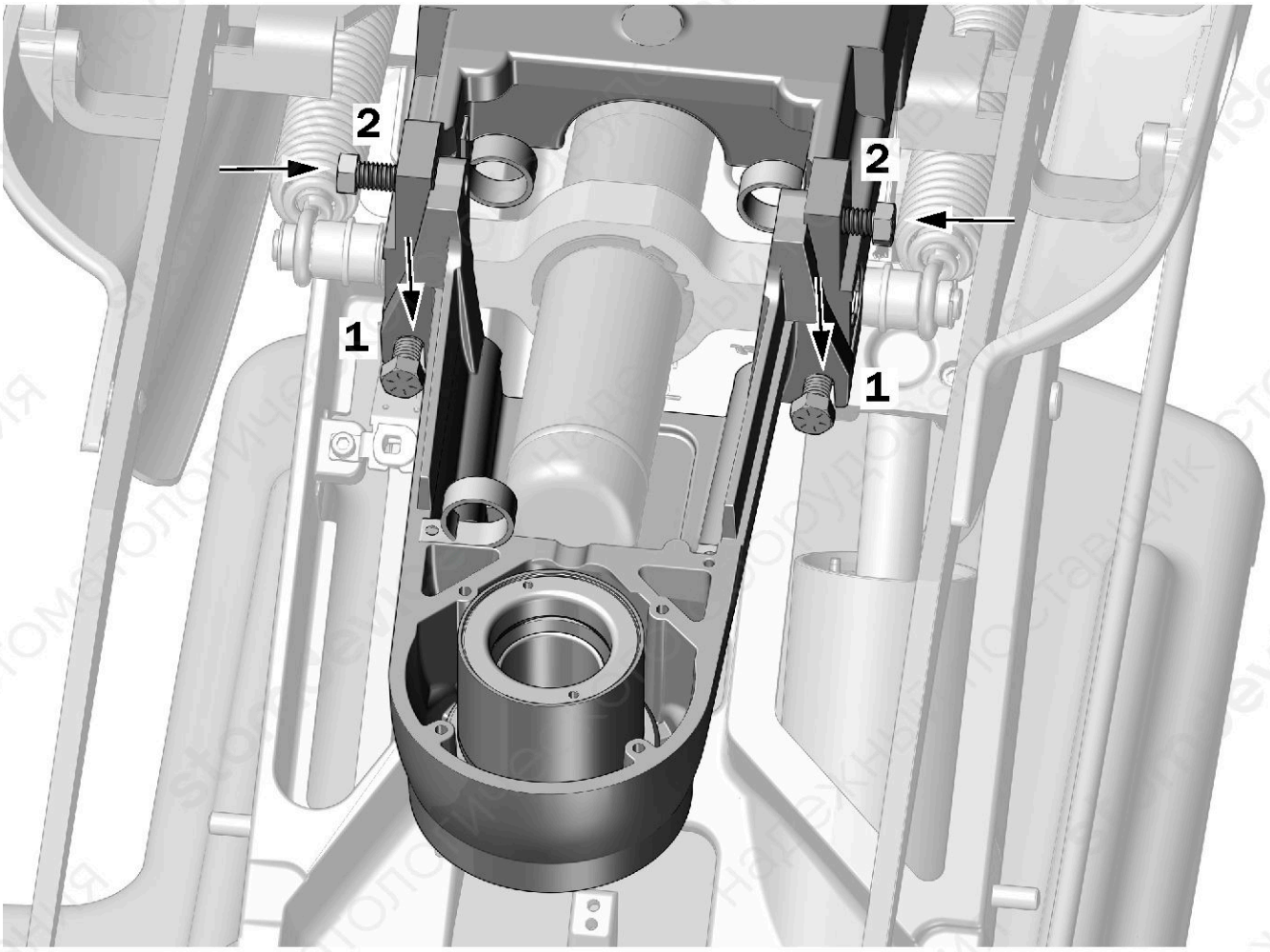
1 Screw two bolts into the front of the upper structure until the head of the bolts are approximately 1" (25 mm) from the upper structure.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Task 3.



1 Set the front mount onto the two bolts in the front of the upper structure.

2 Align the holes in the top of the front mount with the holes in the upper structure and install two bolts through the holes.

3 Use a torque wrench with a 5/8" socket to securely tighten all four bolts with 50 ft-lbs (68 Nm) of torque.

Next Step See "Install the Rigid Arm on a Tandem Front Mount" on page 8.

Install the Tandem Front Mount for A-dec 572L with A-dec 532B/533B

For systems that include an A-dec 572L dental light and A-dec 532B/533B delivery system, install the delivery system, which includes the tandem front mount, before proceeding with the light installation. For instructions on installing the delivery system, see the instructions that ship with the A-dec 532B or 533B delivery system.

Next Step See "Install the Rigid Arm on a Tandem Front Mount" on page 8.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Install the Rigid Arm on a Tandem Front Mount

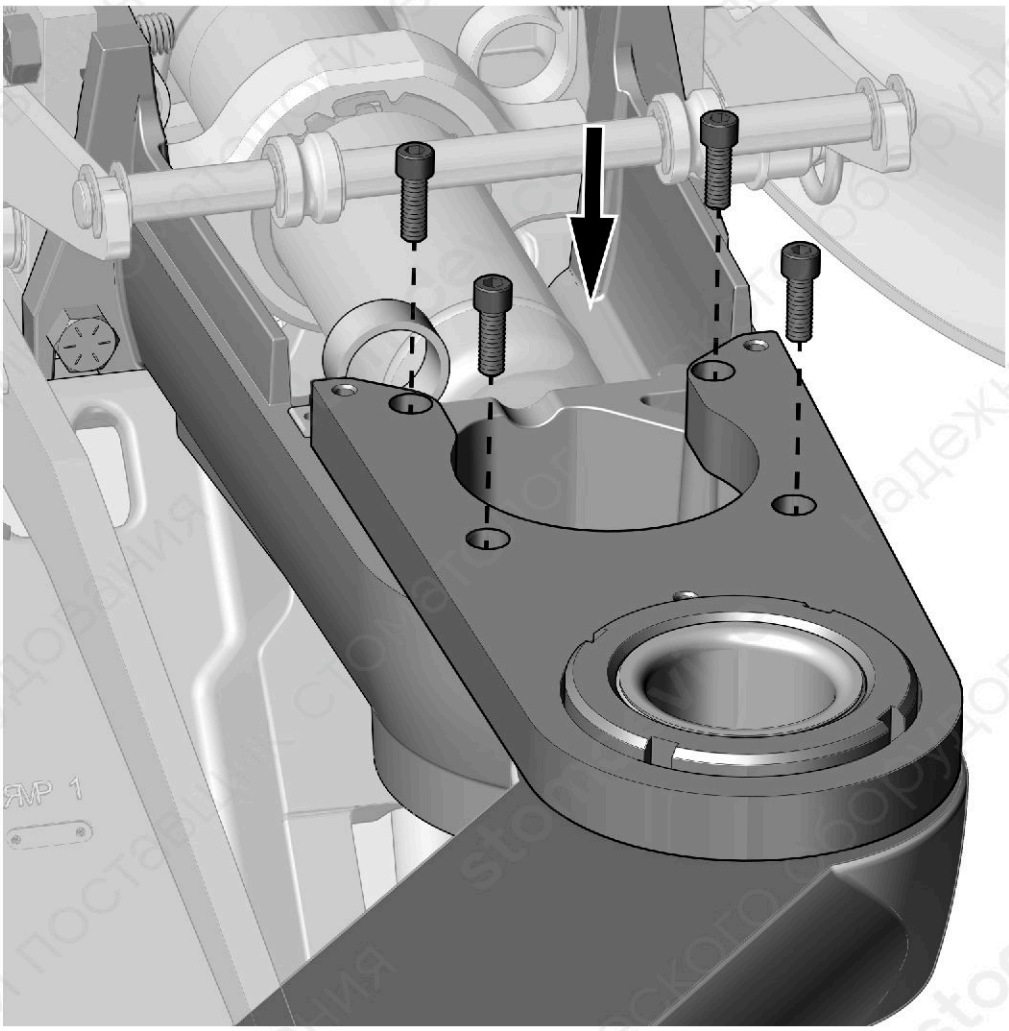
NOTE The procedure for installing the light is the same whether or not the system's configuration includes a delivery system. These instructions show a light-only installation.

Recommended Tool

- Torque wrench with a 3/16" hex key

Task 1.

1 Use a torque wrench with a 3/16" hex key and four screws to secure the light rigid arm to the front mount with 120 in-lb (14 Nm) of torque.





Actual Size

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Install the Dental Light Components on a Tandem Front Mount

Recommended Tool

- Umbilical snake

Task 1.

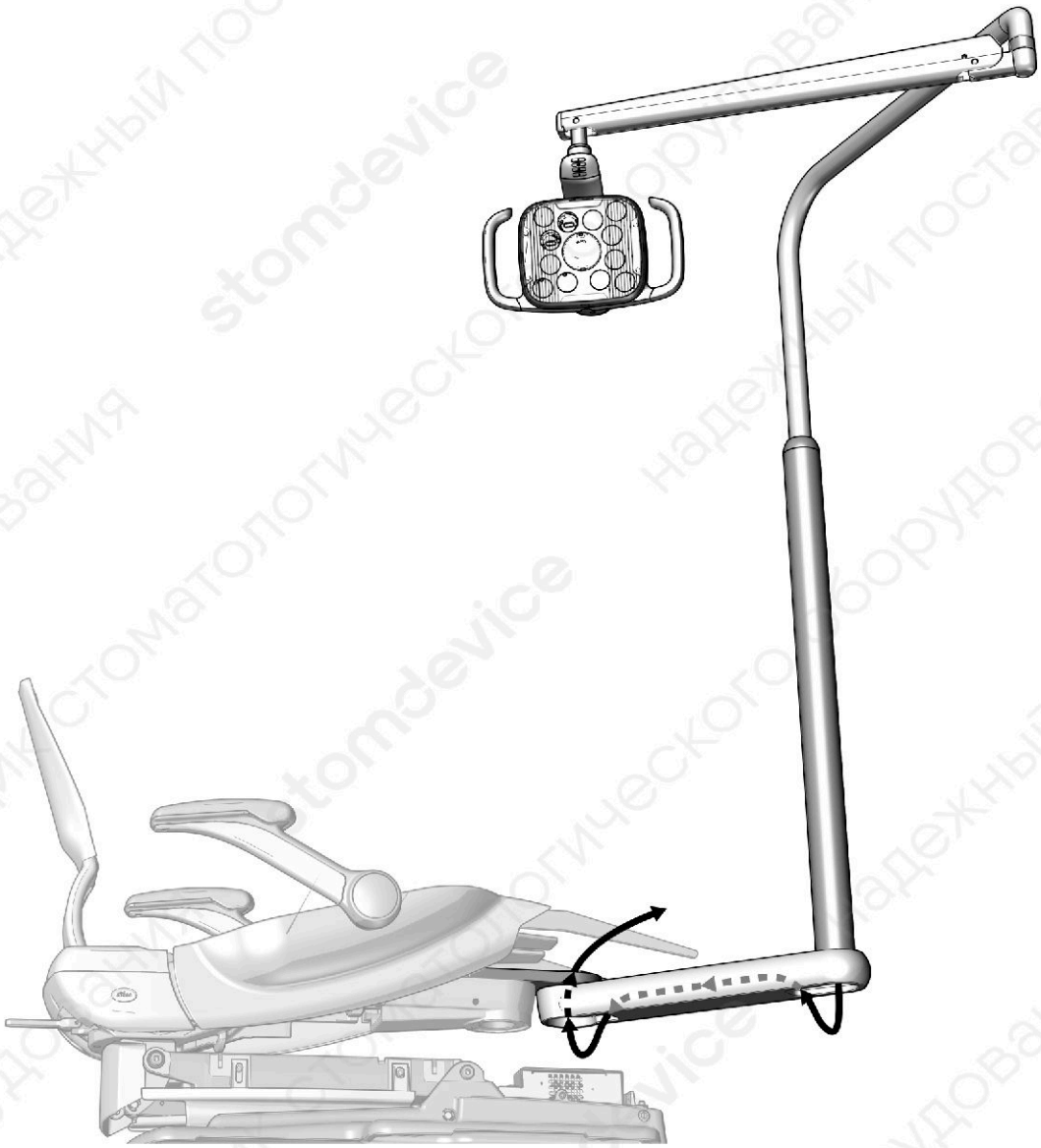


1. Fully lower the chair base.
2. Lubricate the end of the upper rigid arm.
3. Route the light cable through the lower rigid arm.
4. Insert the upper rigid arm into the lower rigid arm until fully seated.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Task 2.

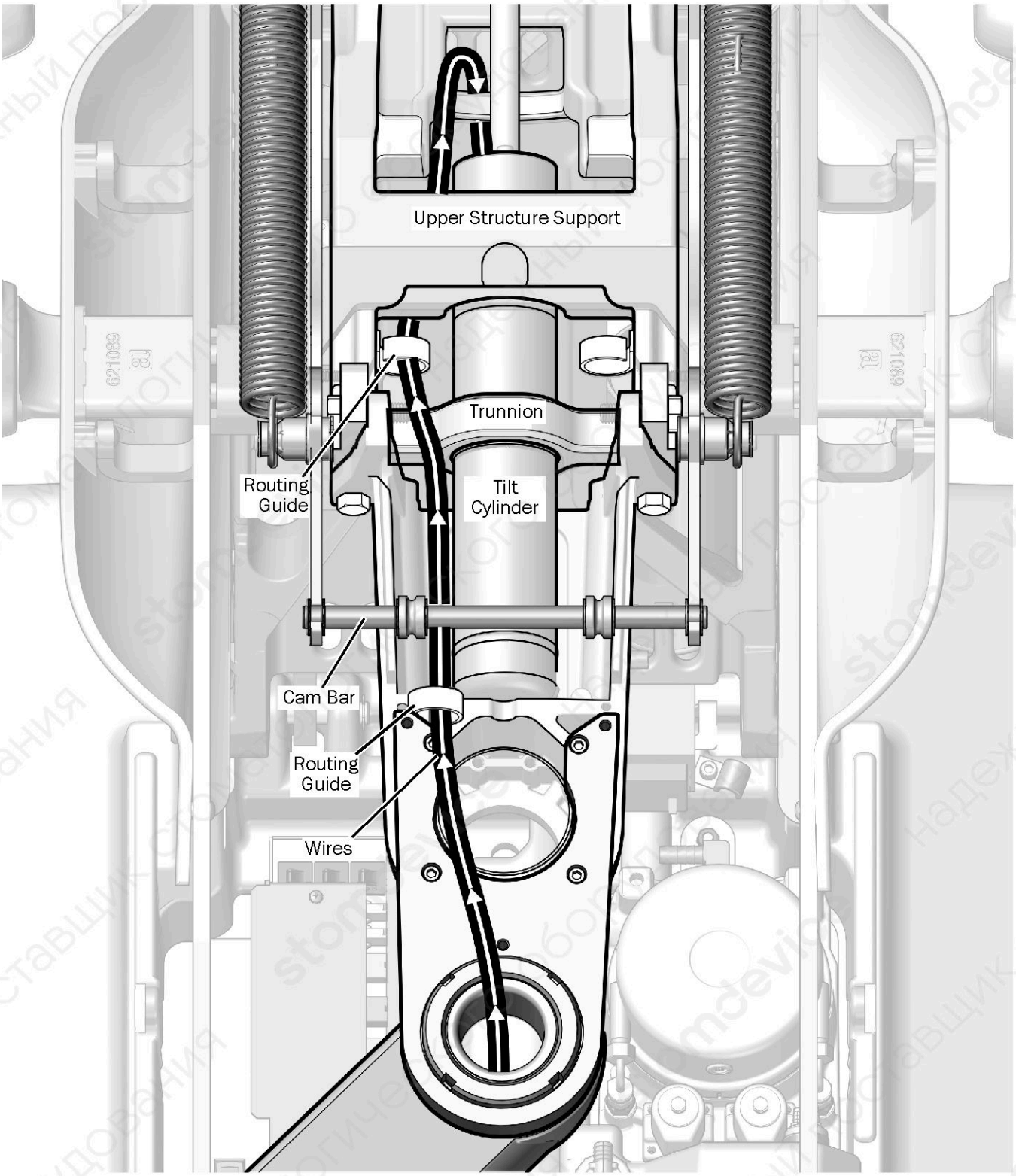


1 Route the wires through the rigid arm and up through the hole in the front mount.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Task 3.

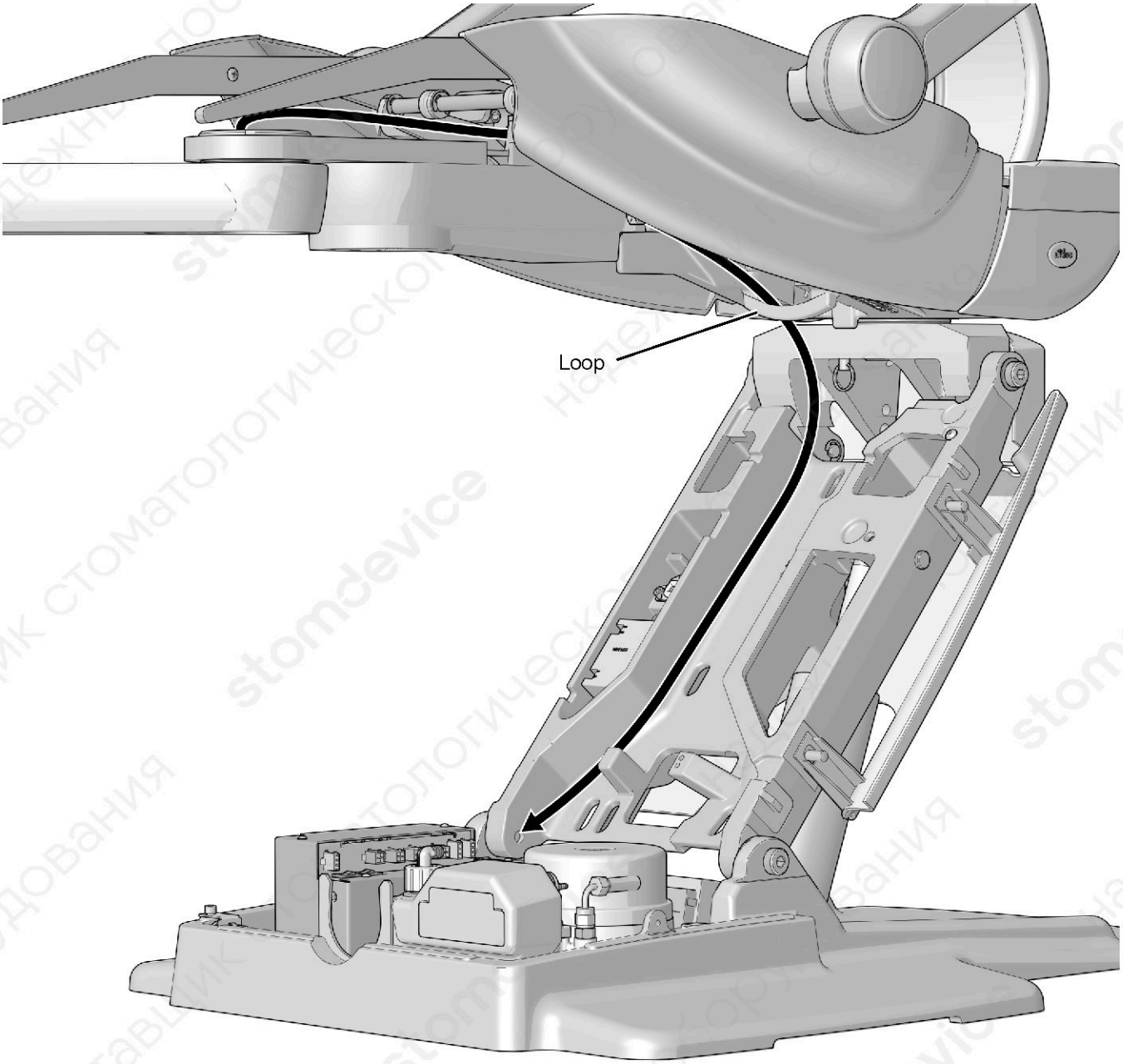


1 Route the wires as shown on the left, through the routing guides, and under the upper structure.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Task 4.



1 Route the wires behind the loop, and continue down the lift arm.
Keep the wires to the left of the arm.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

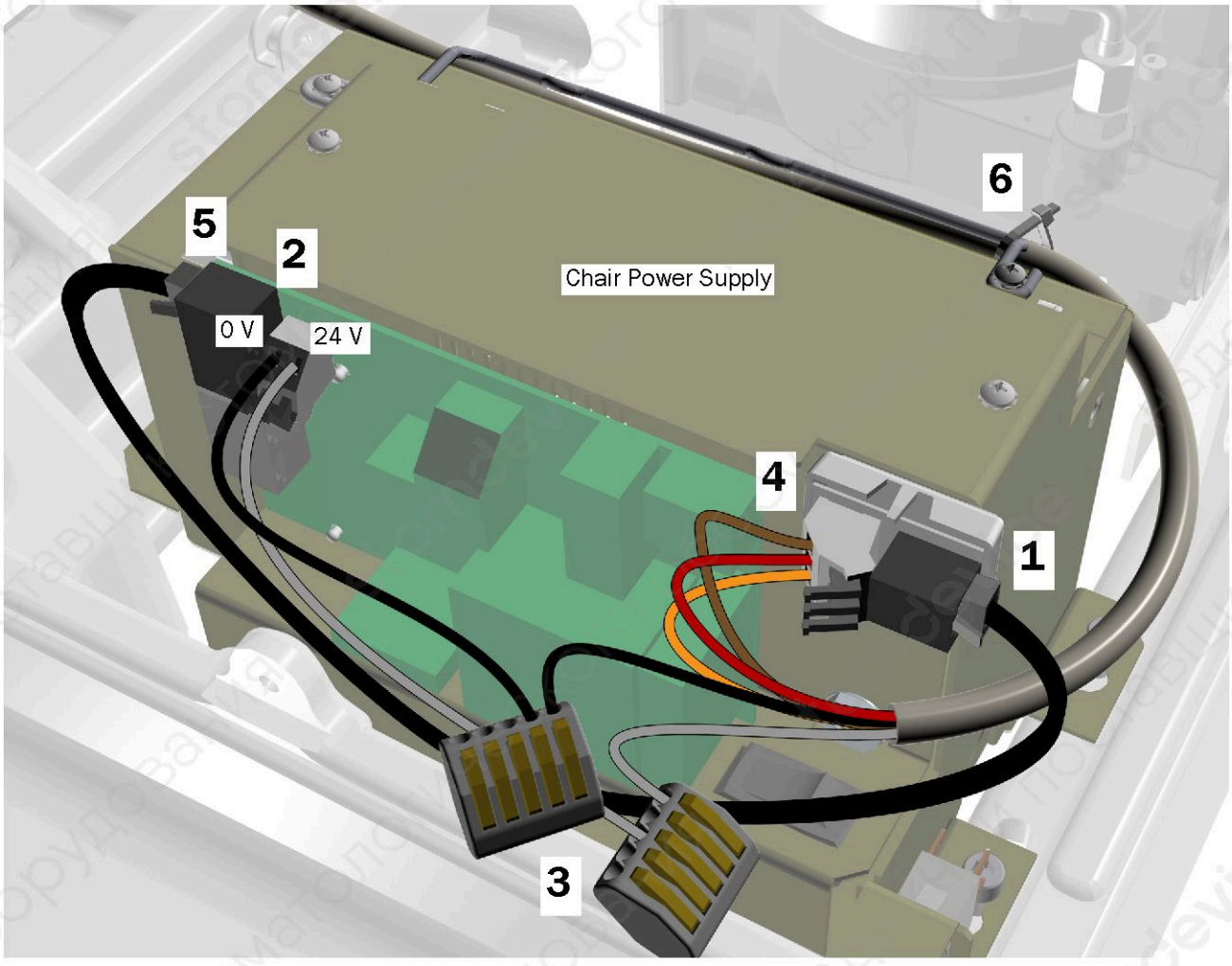
stomdevice

Connect the Electrical Wires and Data Line

CAUTION Do not attach the adaptor board to the top of the power supply chassis. The pump cover will not fit.

ATTENTION Circuit boards are sensitive to static electricity. Electrostatic Discharge (ESD) precautions are required when touching a circuit board or making connections to or from the circuit board. Circuit boards should be installed only by an electrician or qualified service person.

1. Peel off the protective paper from the adaptor board. Attach the adaptor board to the front of the power supply in the upper right corner.
2. Connect the black jumper wire from the kit to 0 V. Connect the gray jumper wire from the kit to 24 V.
3. Use a WAGO® to connect the black jumper wire to the black wire from the cable. Use a WAGO to connect the gray jumper wire to the gray wire from the cable.
4. Connect the wires to the positions on the adaptor board as labeled; brown to BRN, red to RED, and orange to ORN.
5. Connect the data line from the adaptor board to a data port.
6. Secure the cable to the bail with a cable tie.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Prepare and Adjust the Light

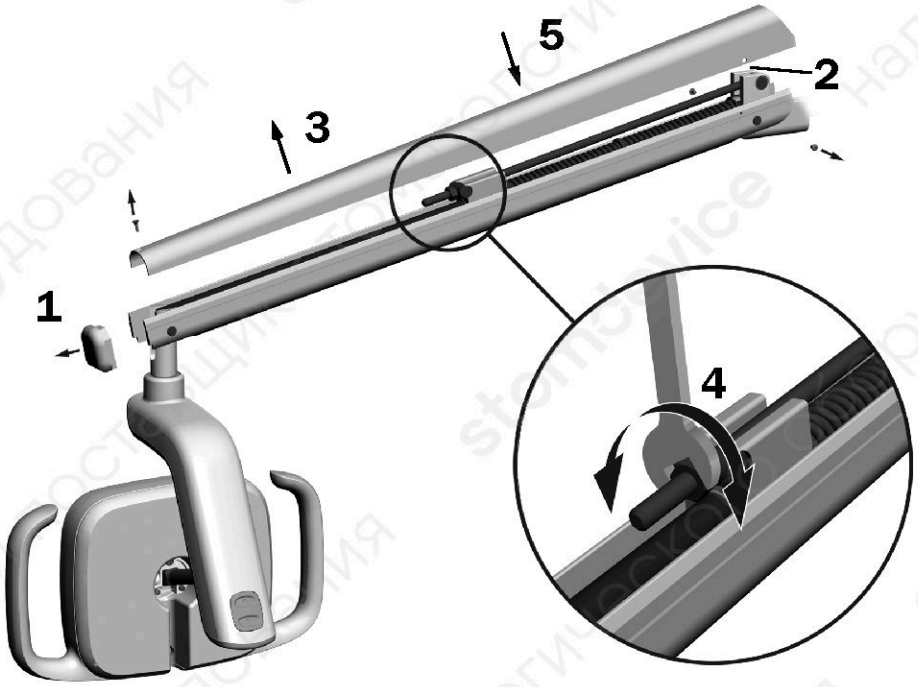
Adjust the Dental Light Flexarm Counterbalance

Recommended Tools

- Phillips head screwdriver
- 5/64" hex key
- 1/2" combination wrench

NOTE Complete this procedure to minimize the amount of unintentional dental light flexarm movement when adjusting the position of the light.

1. Remove the end cap on the flexarm.
2. Remove the two screws that secure the cover.
3. Remove the cover.
4. Adjust the nut on the end of the spring.
   If the dental light drifts up, turn the nut counterclockwise.
   If the dental light drifts down, turn the nut clockwise.
5. Set the cover back onto the flexarm (but do not reattach it yet). Check for drift.
6. Repeat steps 4 and 5 until drift is eliminated.
7. Reinstall the screws that secure the cover and reinstall the end cap.



NOTE An optional travel stop limit kit (p/n 90.1044.00) can be installed to limit the upward and downward motion of the flexarm.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

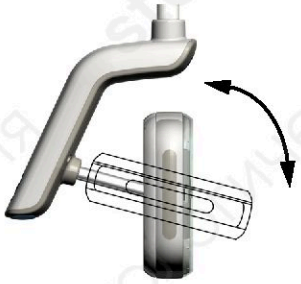
Adjust the Rotation Tension Settings

Recommended Tool

- 7/64" hex key

Test the rotation tension of the light head. If it needs to be adjusted, follow the directions for the type of tension that you will adjust.

Adjust the Vertical Tension





1 To adjust the tension, turn the screw. Clockwise increases the tension.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Adjust the Horizontal and Diagonal Tension

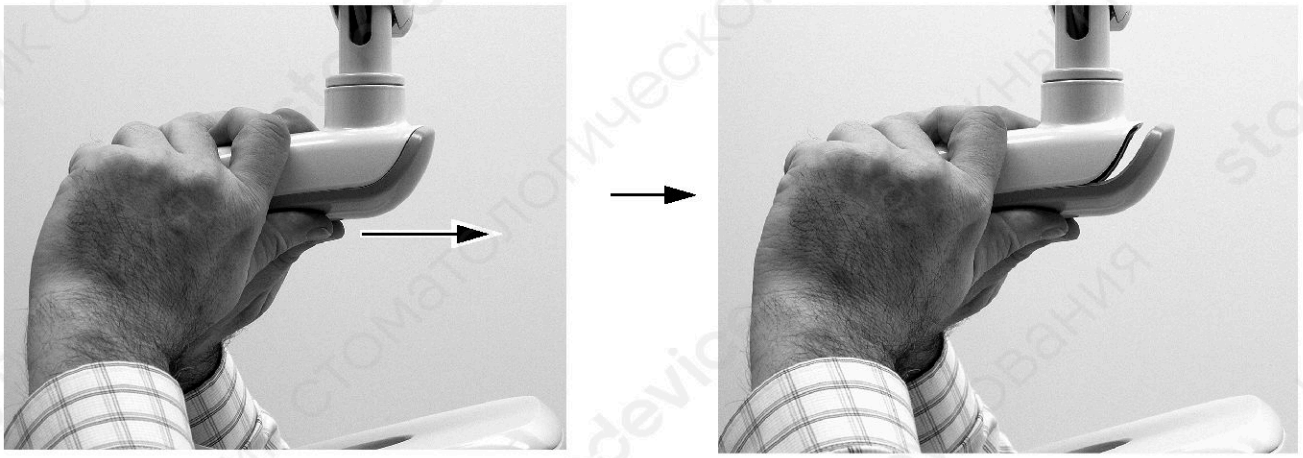
Task 1.

1 Remove the two screws securing the driver housing cover.



Task 2.

1 Grasp the driver housing and use your thumbs to push the driver housing cover away from the driver housing.



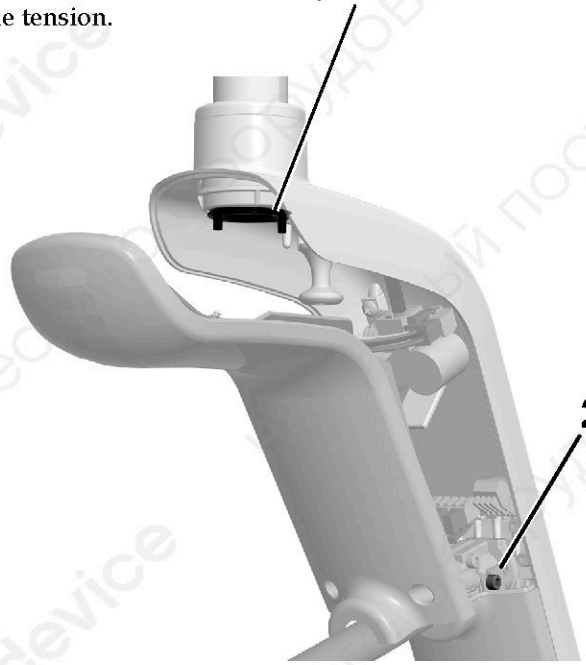
https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

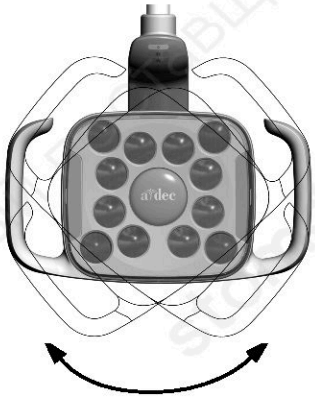
Task 3.

1 To adjust horizontal tension, rotate the friction adjustment. Clockwise increases the tension.





2 To adjust diagonal tension, turn the setscrew. Clockwise increases the tension.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

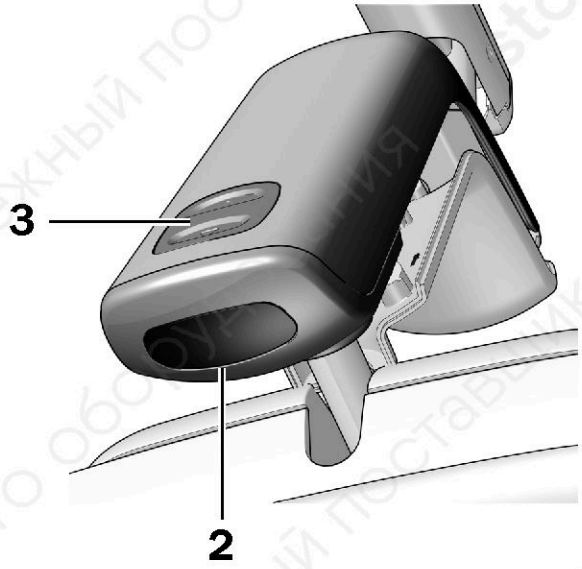
stomdevice

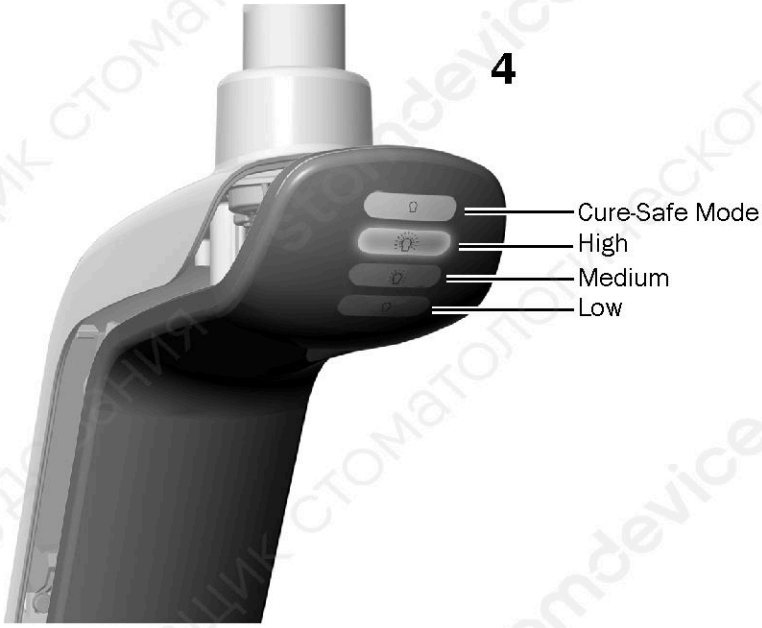
Test the Light

Test the Light From the Light Head

Task 1.

1. Turn on the system.
2. Move your hand within 3" (76 mm) of the touchless on/off sensor to turn on the light.
3. Press the mode buttons to test the light in each mode.
4. For each mode, verify that the correct light on the driver housing cover is illuminated.
5. If it doesn't work properly, check the wire connections.



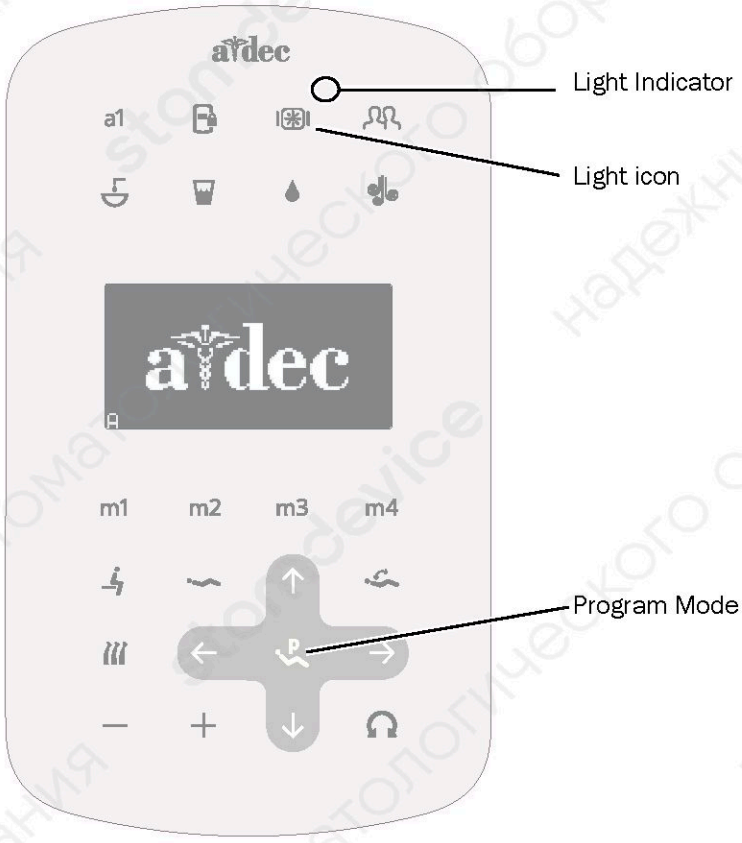


https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Test the Light From the Touchpad

NOTE Touchpad symbols and icons are proprietary to A-dec Inc.



A-dec 500 Deluxe Plus Touchpad

1. Turn on the power to the system.
2. Repeatedly press and release to verify the light turns on and toggles between the intensity modes: high, medium, low, and cure-safe mode.

NOTE When the light is in cure-safe mode, the light indicator on the touchpad flashes.

3. Press and hold to turn off the light.
4. Press and hold and at the same time until the system beeps to disable or enable the auto on/off function.
   - **One beep** indicates this function is off.
   - **Three beeps** indicate this function is on.

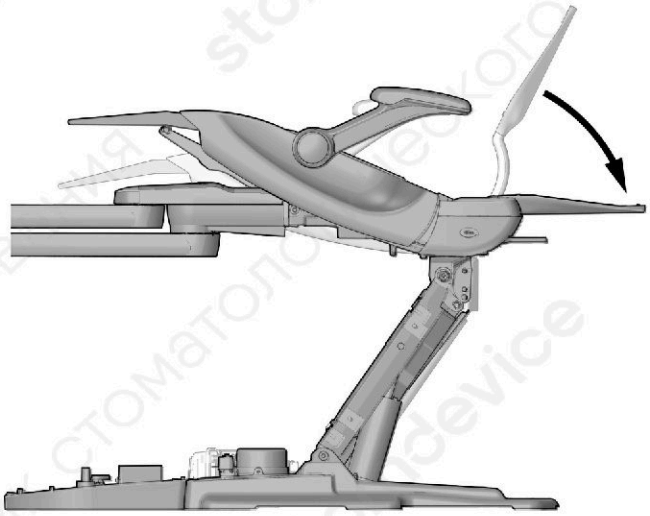
https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

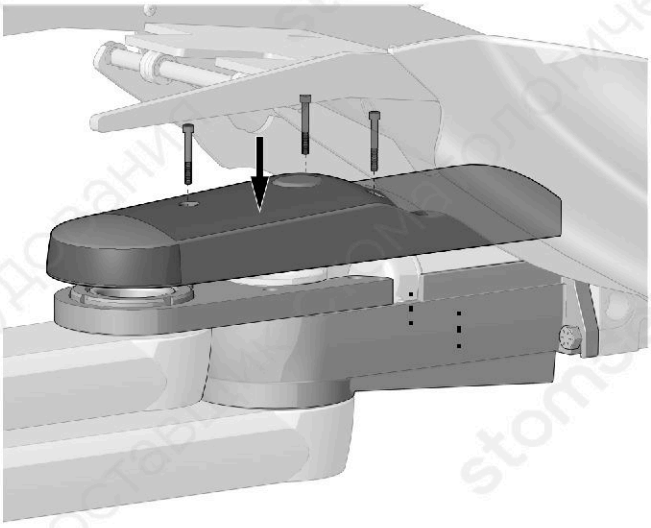
Install the Covers

CAUTION When removing or replacing covers, take care not to damage any wiring or tubing. Verify that the covers are secure after replacing them.

Install the Front Mount Cover



1 Lower the back all the way down.



Cover for Delivery System and Dental Light or Dental Light Only - 3 Screws

2 Align the holes in the front mount cover with the holes in the front mount.

3 Use a hex key and screws from the kit to secure the cover.



Actual Size

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Reinstall the Driver Housing Cover

Recommended Tool

- 7/64" Hex key



1 Position the driver housing cover so the keyhole fits around the post; then push the driver housing cover into position with your palm.



2 Use a 7/64" hex key and two screws to secure the cover.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

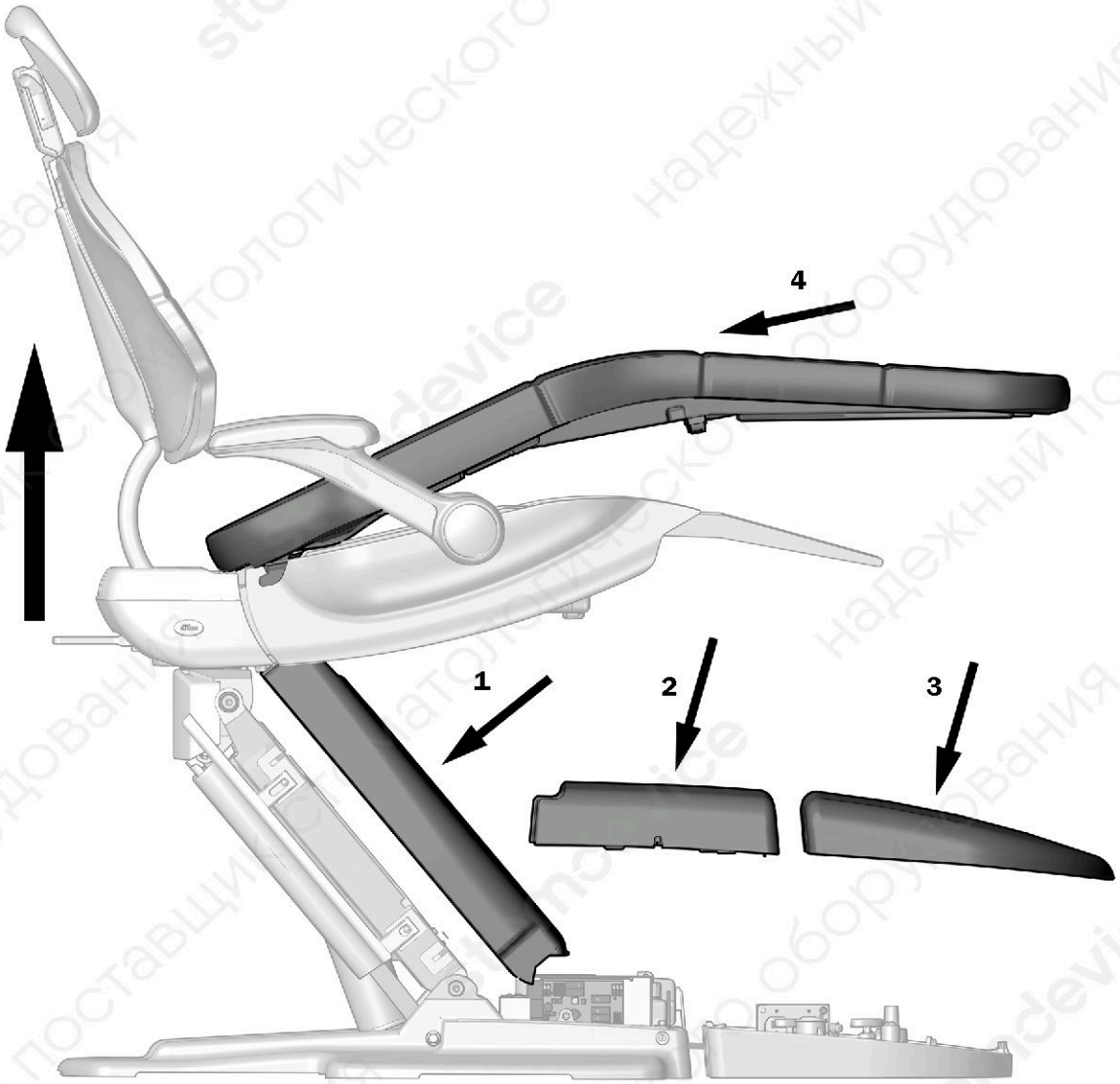
Replace the Chair Covers and Upholstery

Recommended Tool

3/16" hex key

1 Fully raise the chair base and chair back.

2 Reinstall the covers and upholstery in the order shown.



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

Regulatory Information

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.

All trademarks cited herein are the property of their respected owners.

A-dec Headquarters
2601 Crestview Drive
Newberg, OR 97132 USA
Tel: 1.800.547.1883 Within USA/CAN
Tel: +1.503.538.7478 Outside USA/CAN
www.a-dec.com

A-dec, Inc. makes no warranty of any kind with regard to the content in this document including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

86.0795.00 Rev C
Date of Issue 2021-04-09
Copyright 2021 A-dec, Inc.
All rights reserved.
lGgrphpor22

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ