

## Wall-Mount

### Recommended Tools

- Drill
- 3/16" and 1/2" bits
- 1/8" hex key
- Level

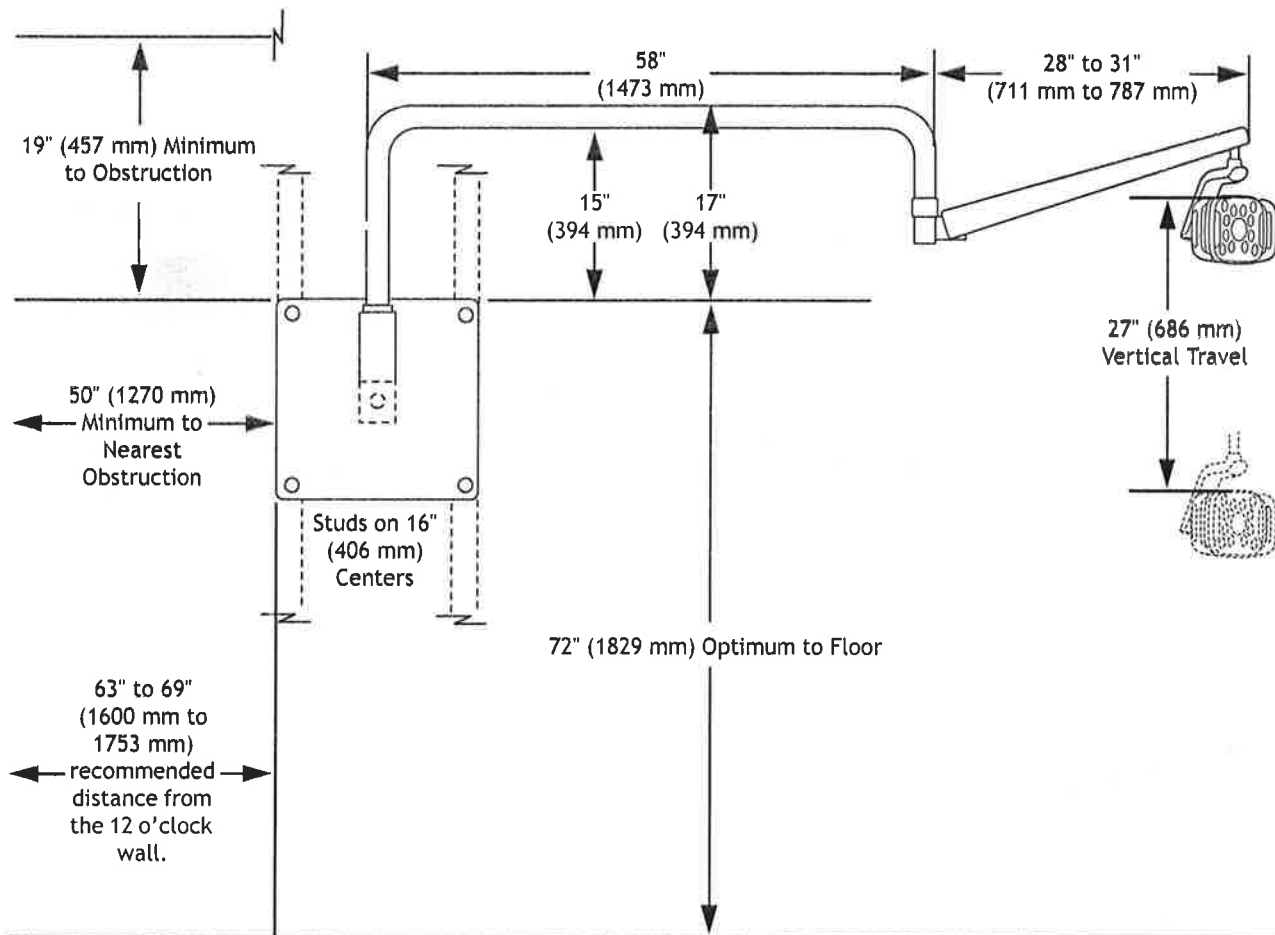


**WARNING** Do not use hollow wall fasteners that rely on non-structural elements. A-dec is not responsible for any damage resulting from the use of hollow wall fasteners.

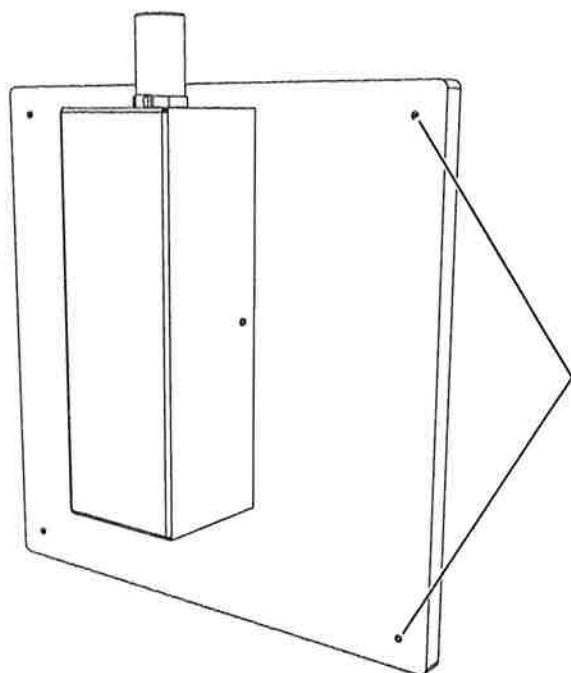


**WARNING** Consult a licensed professional, i.e. structural or architectural engineer, for mounting to metal stud or masonry walls. Ensure that all installations conform to local codes. Walls must be designed to support a minimum shear load of 38 lb (169 N) and a minimum moment of 150 ft-lb (203 N-M).

### Task 1. Determine where to mount the backboard.



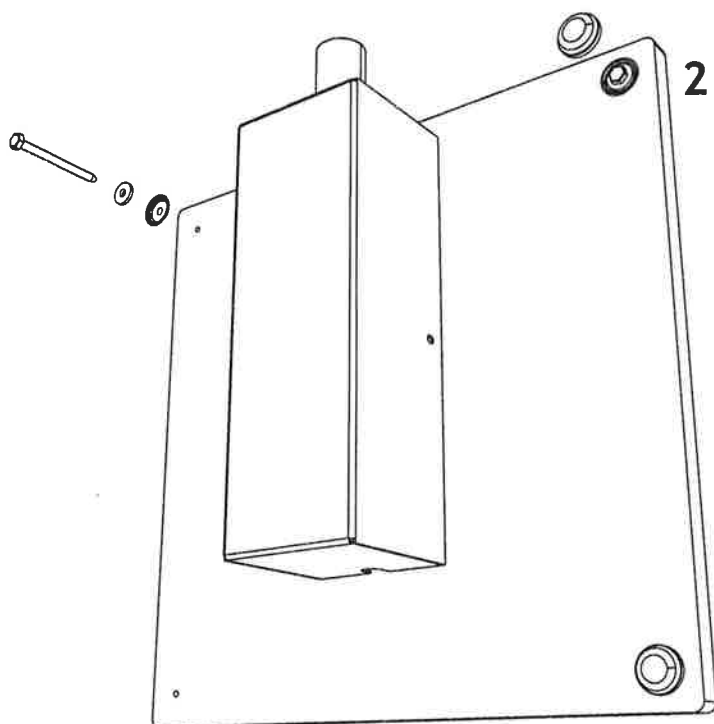
## Task 2.



- 1** Level the backboard and mark the mounting holes in each corner.
- 2** Set the backboard aside.  
Drill a 3/16" (5 mm) wide hole at each mark.

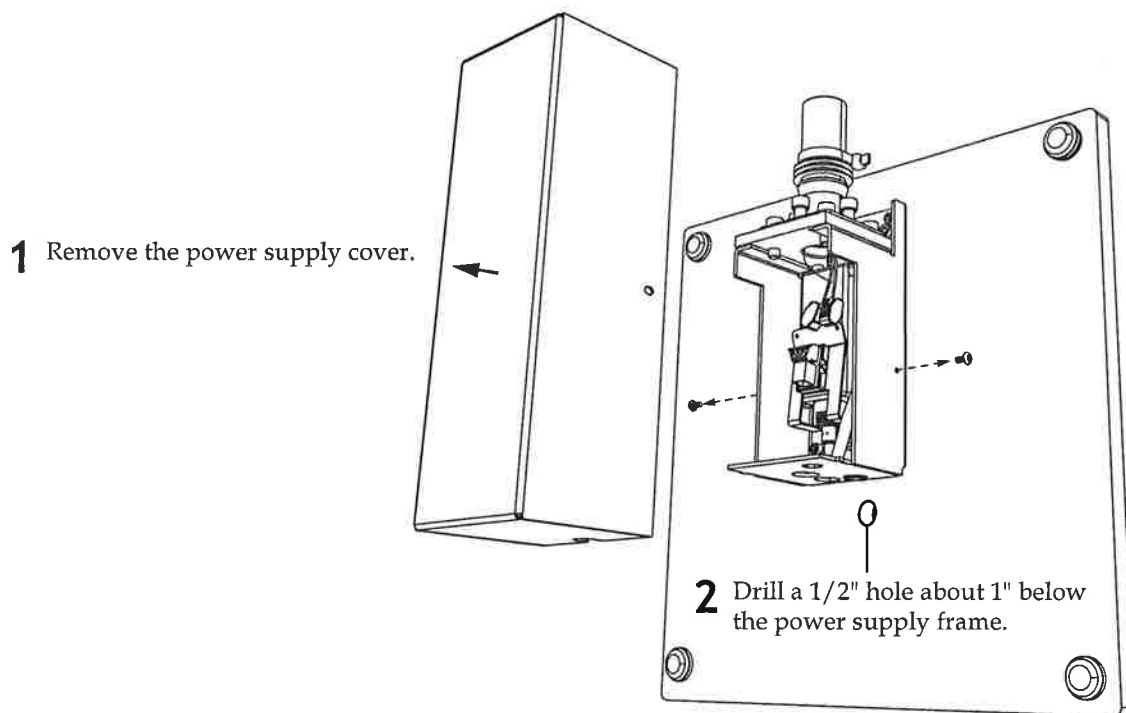
## Task 3.

- 1** Use four lag screws, flat washers, and flanged washers in each corner to mount the backboard.

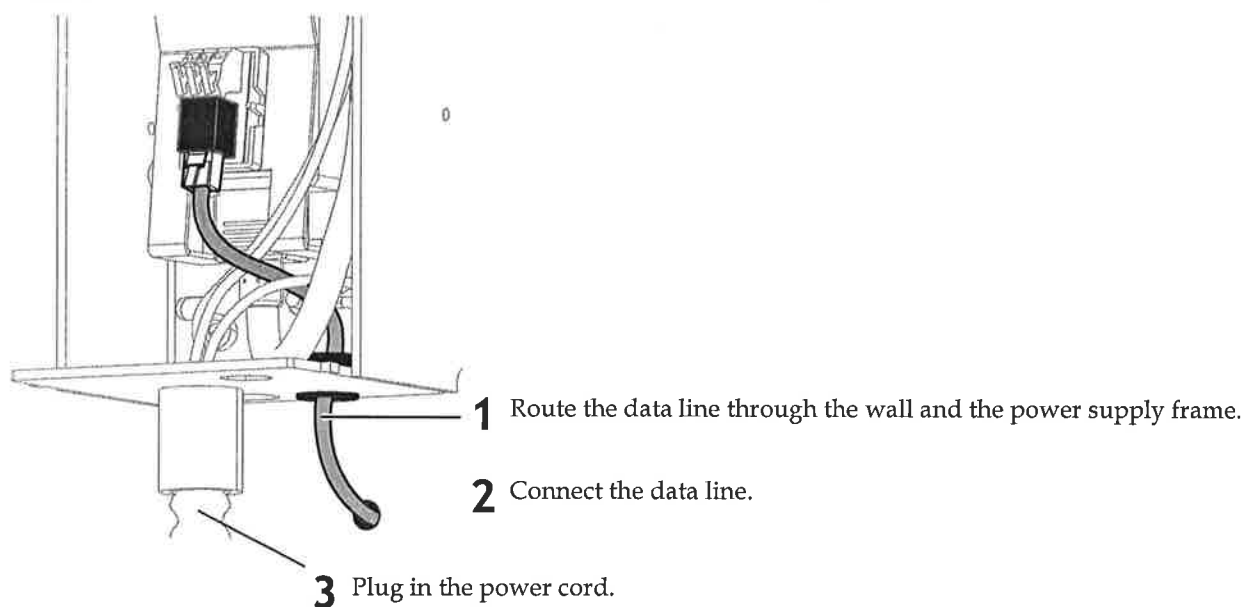


- 2** Press a protective cap over each lag screw.

**Task 4.**



**Task 5.**



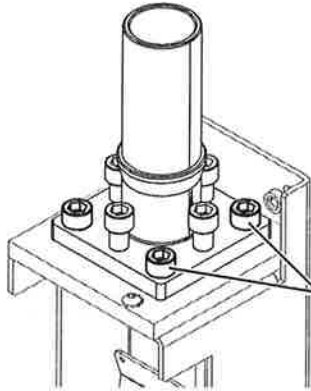
# Level the Hub

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## Recommended Tools

- Level
- 5/16" hex key

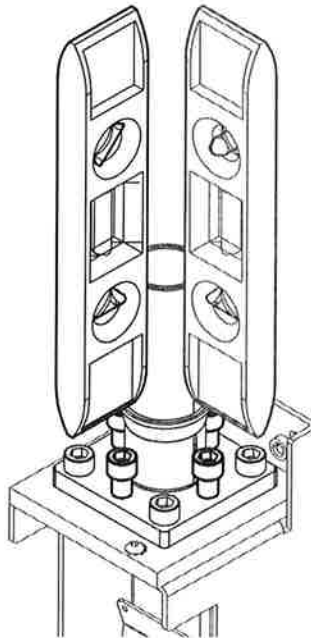
### Task 1.



Loosen the four mounting screws in the corners of the power supply frame.

### Task 2.

- 1 Place a level vertically on the hub. Align it with a set of leveling screws.



- 2 Adjust the leveling screws.
- 3 Move the alignment of the level from one set of screws to the other.
- 4 Adjust the leveling screws.
- 5 Repeat adjusting each set of leveling screws until the hub is in a true vertical position.
- 6 Once the hub is level, securely tighten the mounting screws.

## Install the Flexarm and Light Head

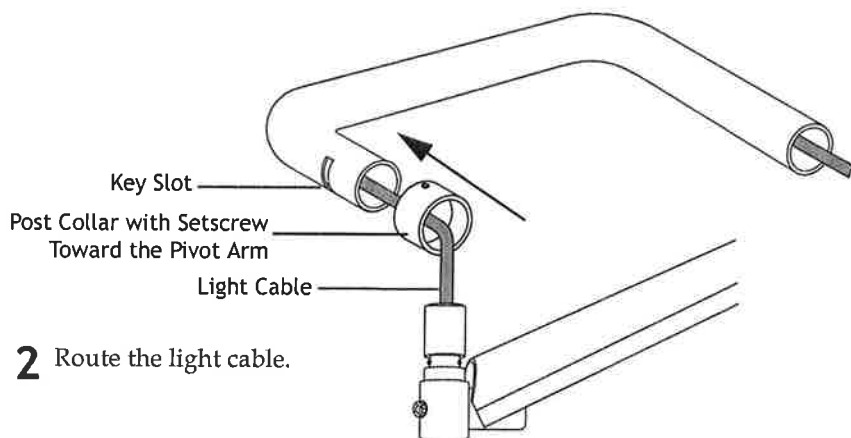
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### Recommended Tool

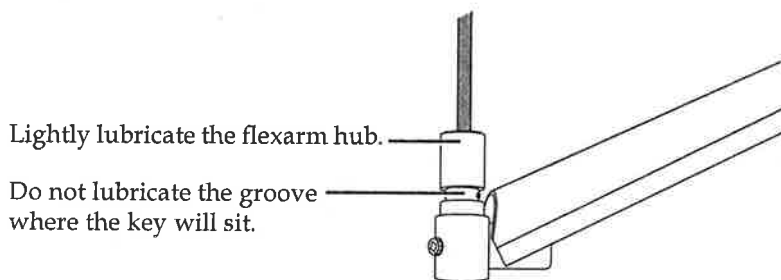
1/16" hex key

#### Task 1.

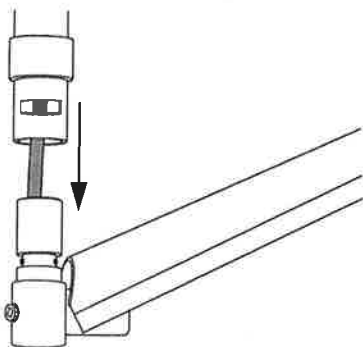
- 1 On a flat surface, place the parts as shown.



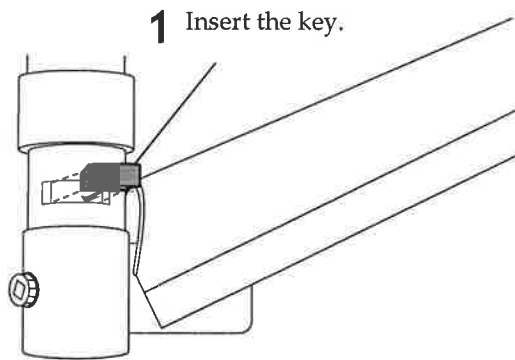
#### Task 2.



#### Task 3. Slide the pivot arm onto the flexarm.



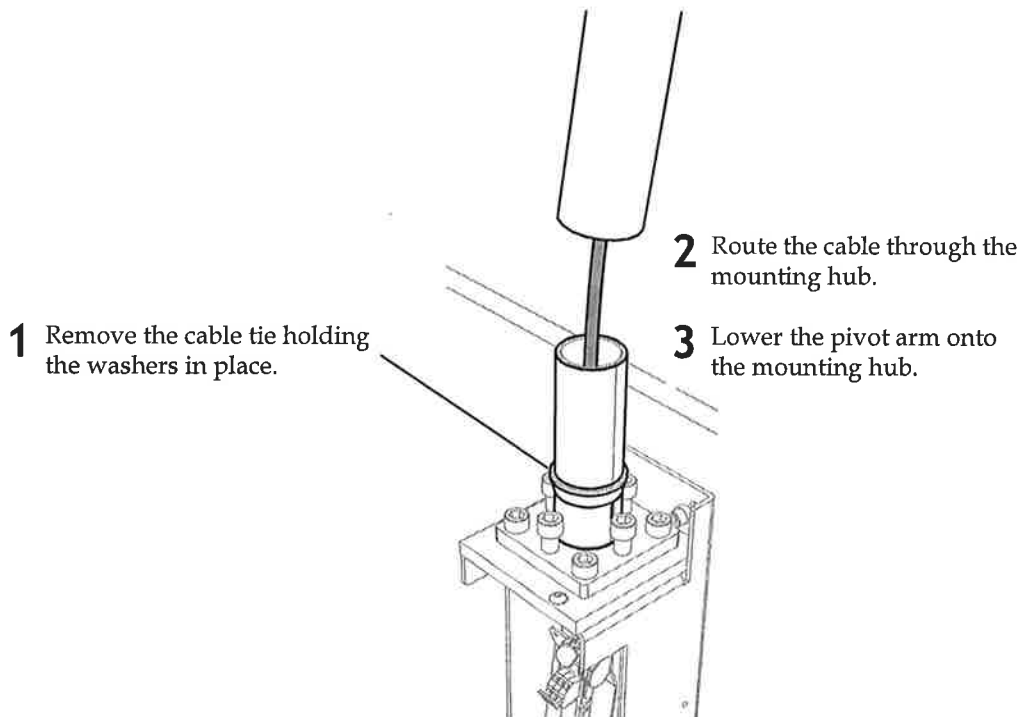
**Task 4.**



**2** Lower the collar over the slot so that the setscrew is not over the key.

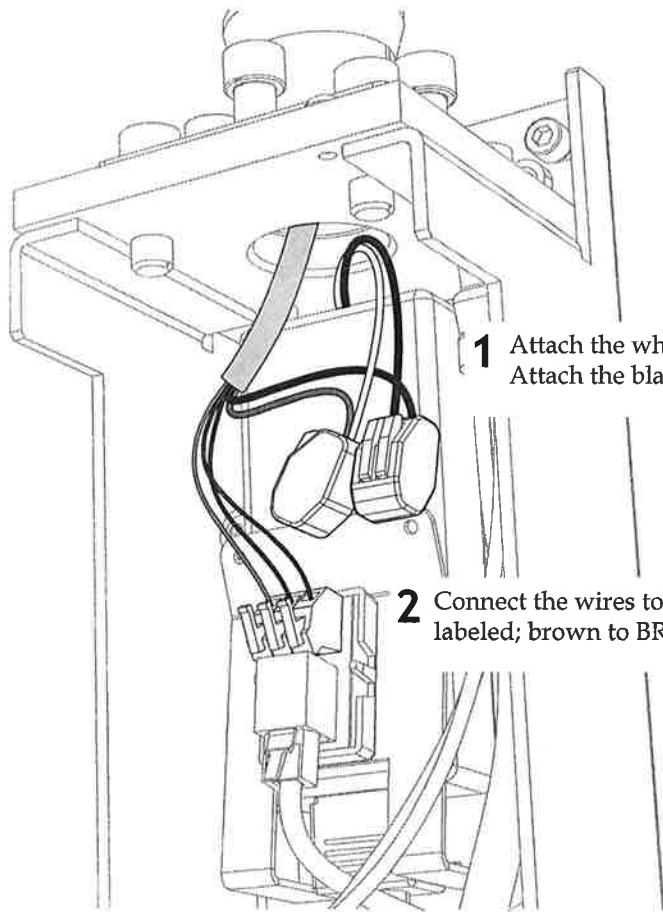
**3** Firmly tighten the setscrew.

**Task 5.**



## Connect the Light Cable

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**1** Attach the white wire to the WAGO connector with the gray wire. Attach the black wire to the WAGO with the black wire.

**2** Connect the wires to the positions on the adapter board as labeled; brown to BRN, red to RED, and orange to ORN.

## Prepare and Adjust the Light

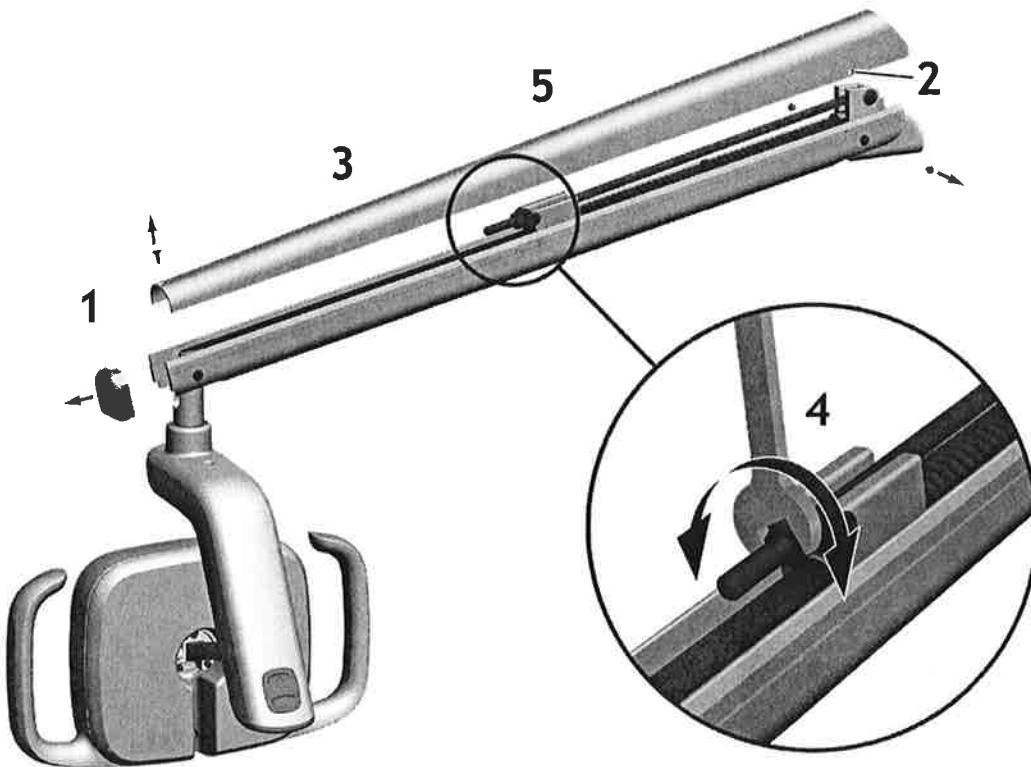
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### Adjust the Dental Light Flexarm Counterbalance

#### Recommended Tools

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

1. Remove the end cap.
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.



**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.



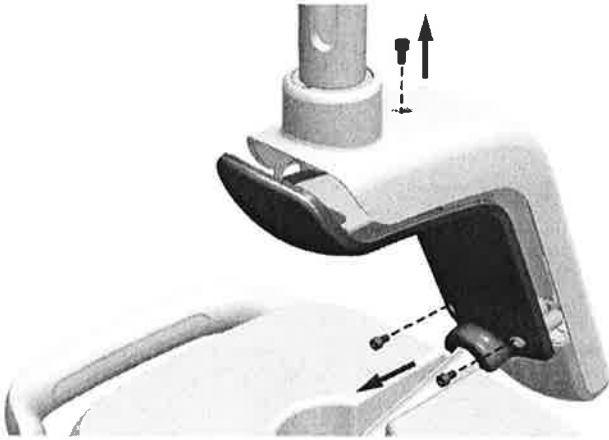
## Adjust the Rotation Tension

### Recommended Tool

7/64" hex key

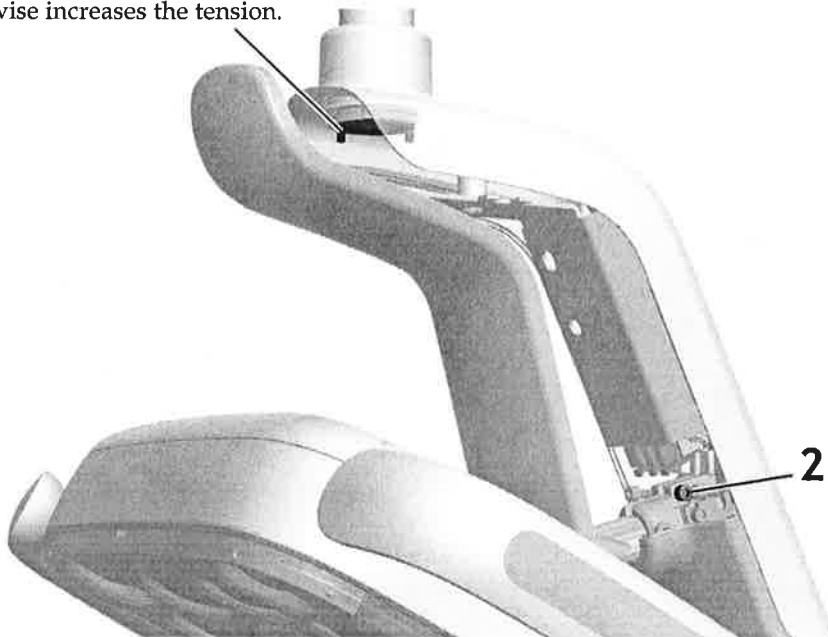
### Adjust the Horizontal and Diagonal Tension

**Task 1.** Remove the indicator cover.



### Task 2.

**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.

## **Adjust the Vertical Tension**

