

# Sonosite ST Stand and Accessory Assembly Instructions

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Manufacturer	EC Authorized Representative	Australia Sponsor
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**CAUTION**

United States federal law restricts this device to sale by or on the order of a physician.

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Patent: [www.sonosite.com/patents](http://www.sonosite.com/patents)



P27125-01

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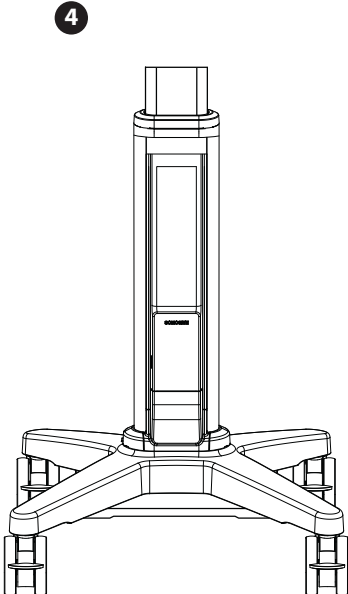
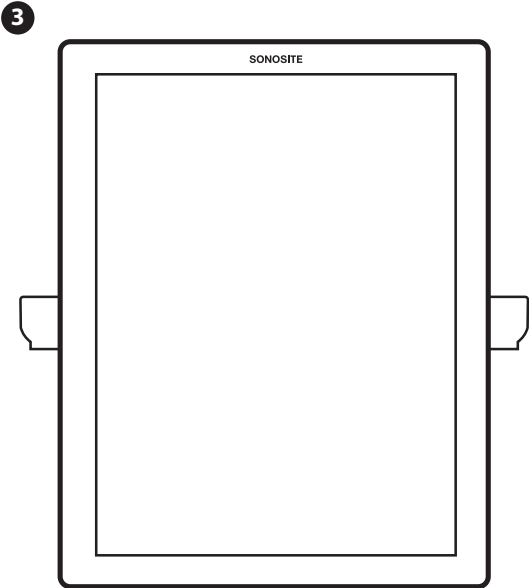
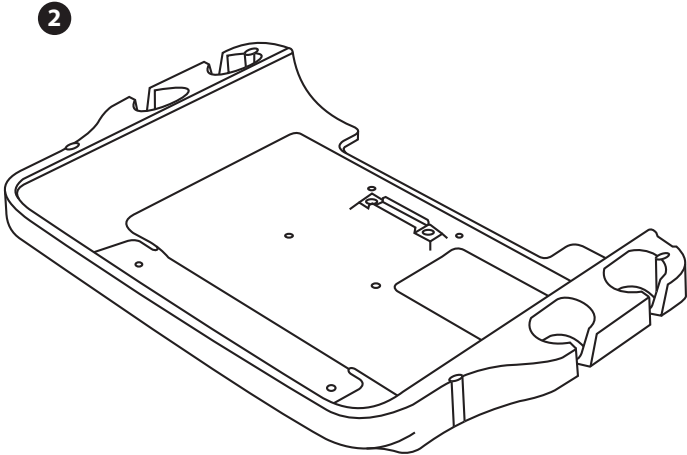
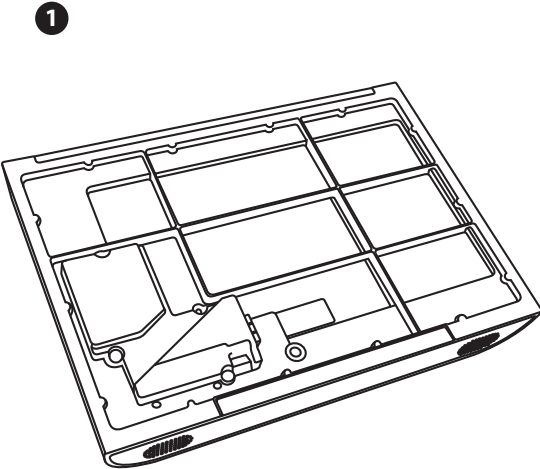
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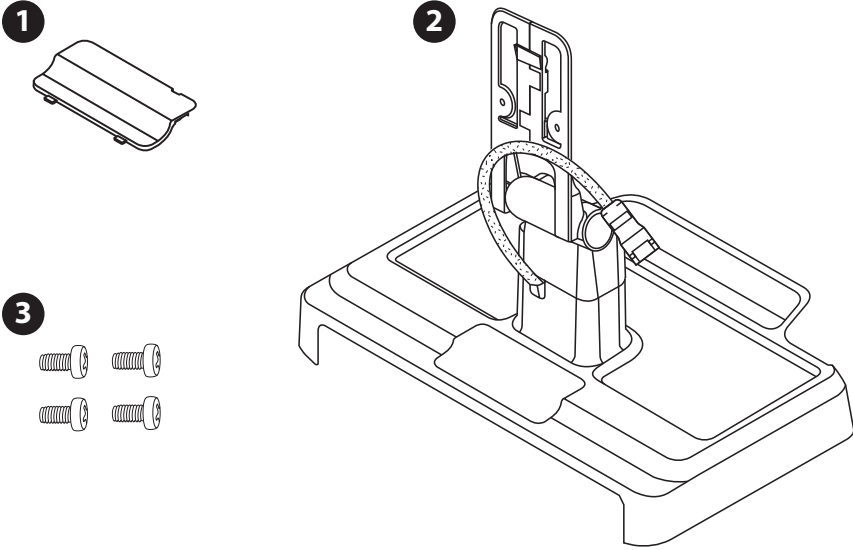
# Inside the boxes

## Individual packaged boxes



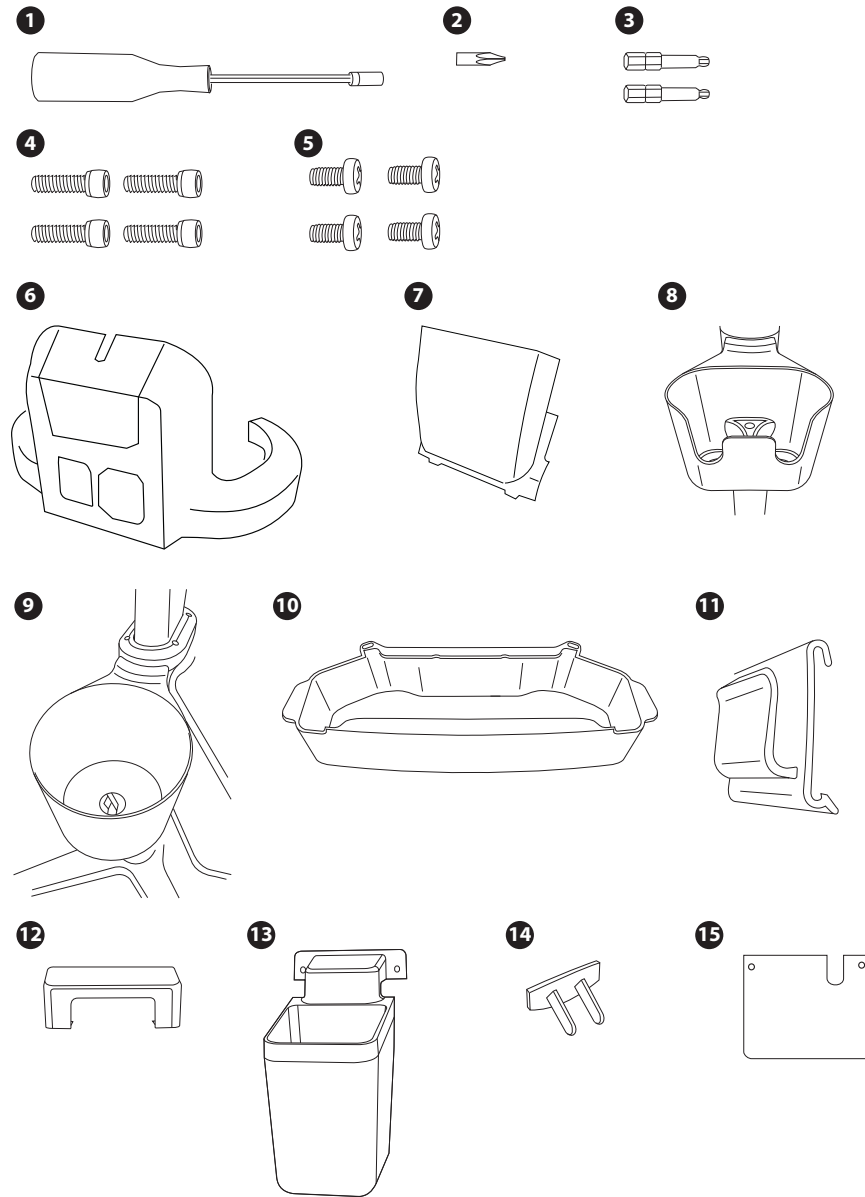
- 1 Ultrasound engine
- 2 Stand head
- 3 Clinical monitor
- 4 Stand

**Monitor mount and tray**



- 1** Latch and video cable cover
- 2** Monitor mount and tray
- 3** M6 screws

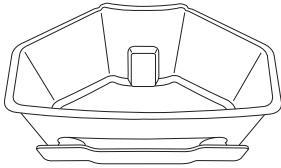
## Storage kit 1



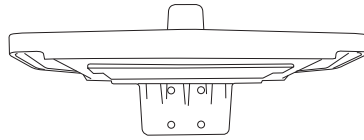
1 Magnetic bit driver	9 Wipe holder
2 #1 Phillips bit	10 Lockable storage drawer
3 4 mm, and 5 mm hex bits	11 Power cord wrap hook
4 M6 x 18 mm hex-head screws (4)	12 Center gel holder top cover
5 M3 x 8 mm hex-head screws (4)	13 Center gel holder
6 Rear base cover	14 Receptacle cover
7 Bottom cover	15 Top column cover
8 Gel bottle holder	

## Storage kit 2

1



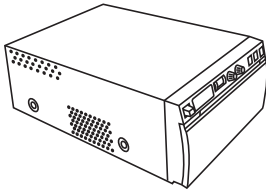
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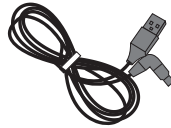
1 Storage container with power cord wrap 2 Storage tray

### Printer boxes (optional - standard storage)

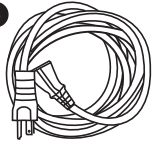
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2



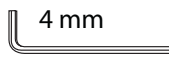
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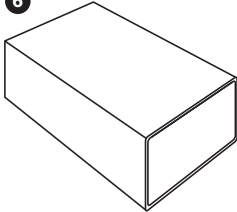
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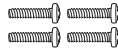
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6



7

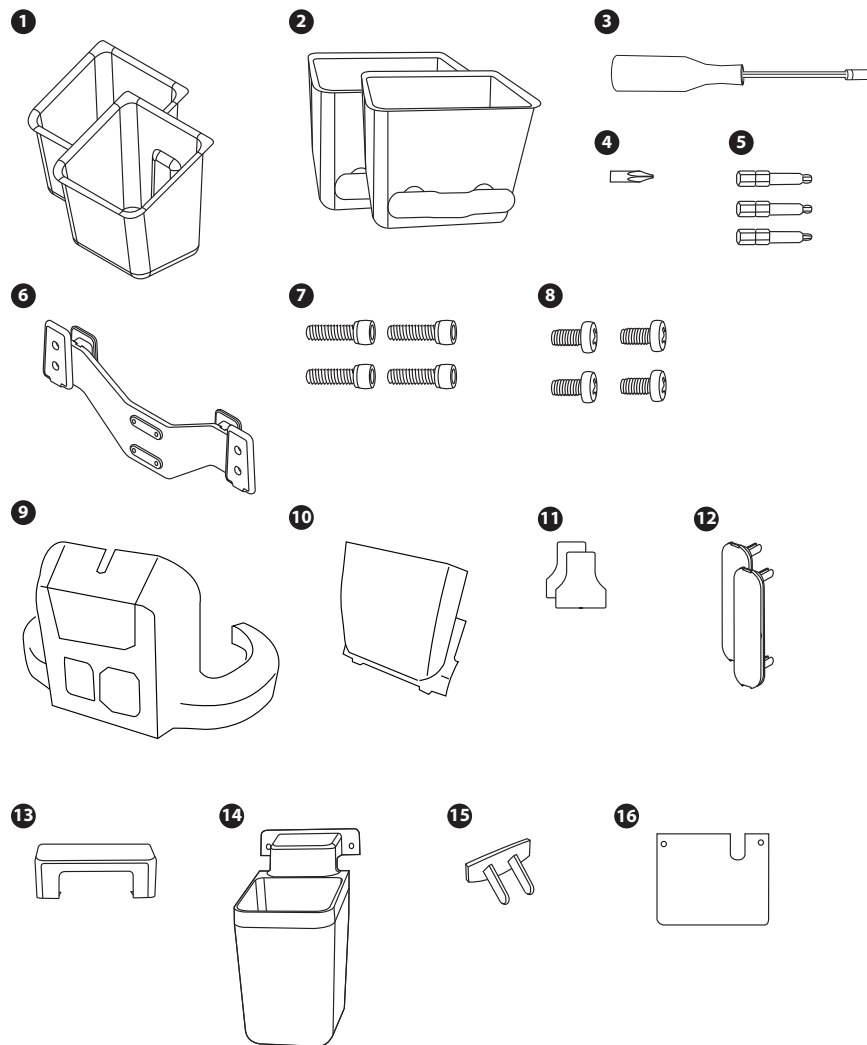


8



- |   |                                    |
|---|------------------------------------|
| 1 Printer and user documentation (in the manufacturer's box along with USB and power cables that should not be used on the Sonosite ST) | 5 4 mm hex key                     |
| 2 USB cable   | 6 Printer mounting bracket and box |
| 3 AC power cord   | 7 M6 x 12 mm button head screws    |
| 4 Prying tool   | 8 Mounting hook                    |

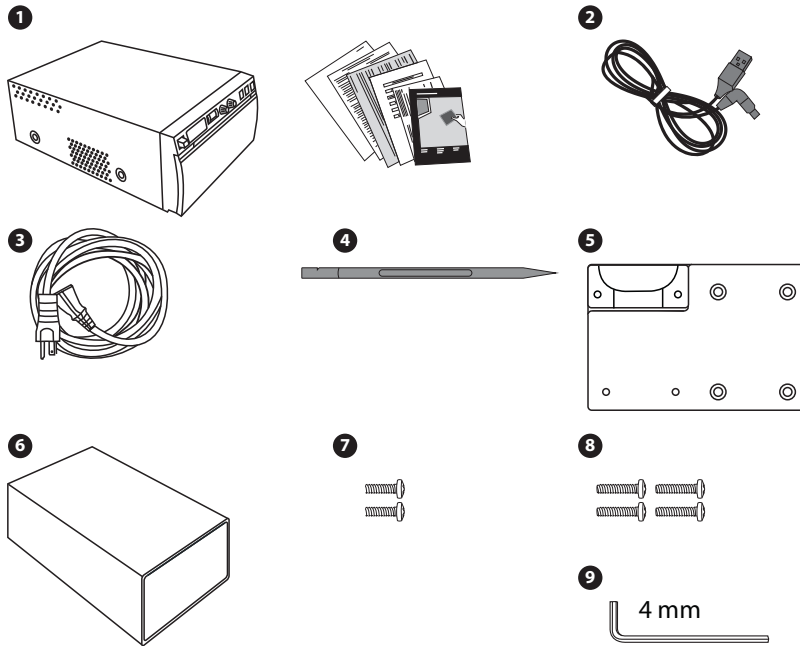
## Alternative storage kit boxes A and B



<b>1</b> Side storage bins	<b>9</b> Rear base cover
<b>2</b> Rear storage bins	<b>10</b> Bottom cover
<b>3</b> Bit driver	<b>11</b> Storage bin clip
<b>4</b> #1 Phillips bit	<b>12</b> Side bracket covers
<b>5</b> 3 mm, 4 mm, 5 mm ball hex bits	<b>13</b> Center gel holder top cover
<b>6</b> Storage bin mounting bracket	<b>14</b> Center gel holder
<b>7</b> M6 x 18 mm hex-head screws	<b>15</b> Receptacle cover
<b>8</b> M3 x 8 mm Phillips screws	<b>16</b> Top column cover

## Printer boxes (optional - alternative storage kit)

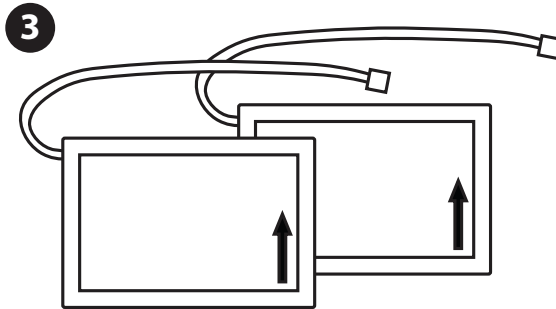
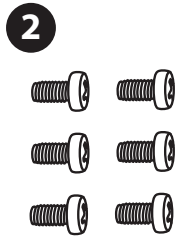
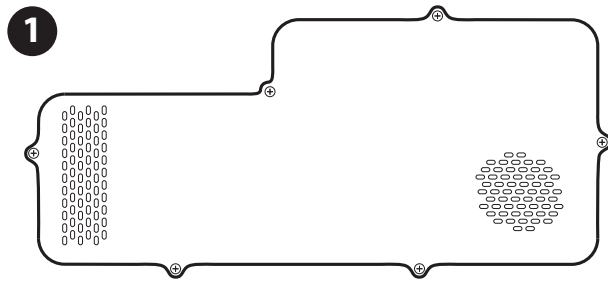




- 1** Printer and user documentation (in the manufacturer's box along with USB and power cables that should not be used on the Sonosite ST)
- 2** USB cable
- 3** AC power cord
- 4** Prying tool
- 5** Printer offset bracket

- 6** Printer mounting box
- 7** M6 x 12 mm button head screw
- 8** M6 x 18 mm hex-head screws
- 9** 4 mm hex key

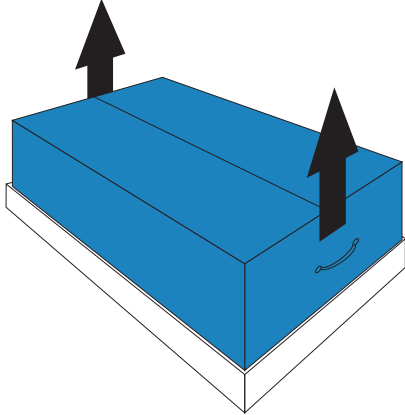
## System battery



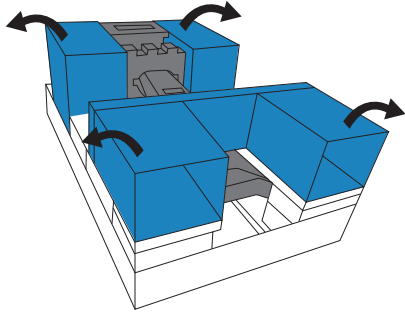
- |                                  |                           |
|----------------------------------|---------------------------|
| <b>1</b> System battery cover    | <b>3</b> System batteries |
| <b>2</b> Screws (taped to cover) |                           |

# Remove packaging

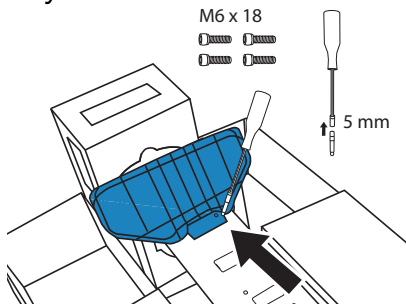
1. Remove the upper part of the box.



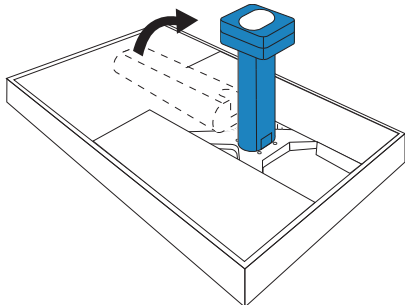
2. Unpack the inner boxes and remove the packing materials.



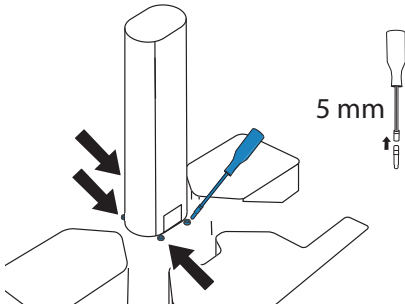
3. If you ordered the alternative storage kit with the four large bins, skip this step. Insert the 5 mm hex bit into the bit driver and Use the four M6 x 18 mm screws to attach the tray to the stand column.



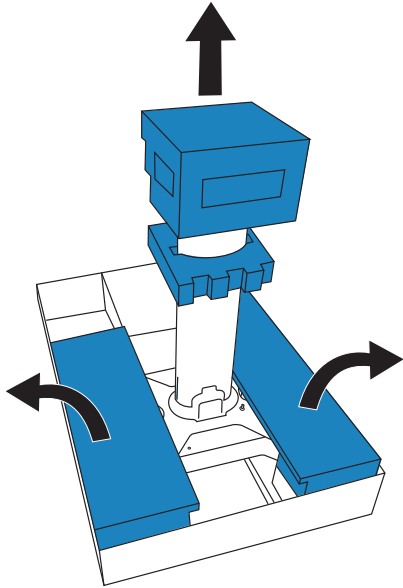
4. Raise the column upright.



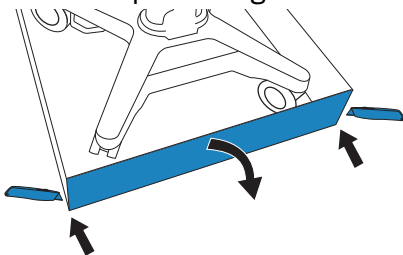
5. Use the bit driver with the 5 mm bit to tighten the four screws on the base of the column.



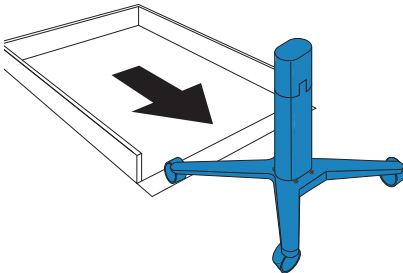
6. Remove the packing foam from on and around the stand.



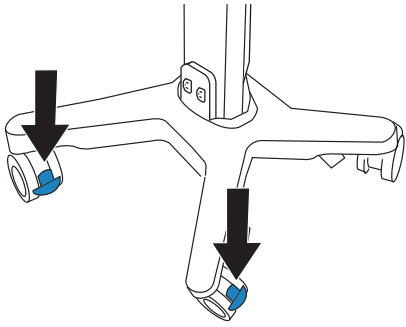
7. Cut the tape holding the front flap of the box up and lower the flap to the floor.



8. Maneuver the stand out of the packing box.



9. Lock two wheels.



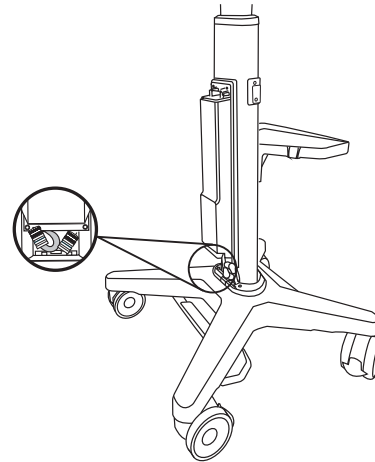
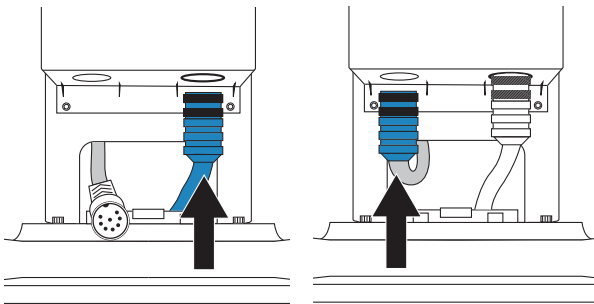
# Connect the stand battery



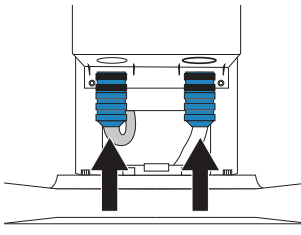
## NOTE

One option to make installation easier is to lay the stand down. To do this, first lock the rear wheels, and then tilt the stand down.

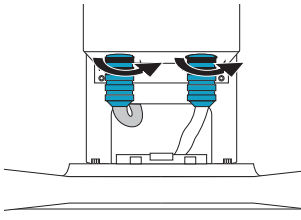
1. Align the cable connectors with the corresponding connectors on the bottom of the battery pack.



2. Push the cable connectors into place.

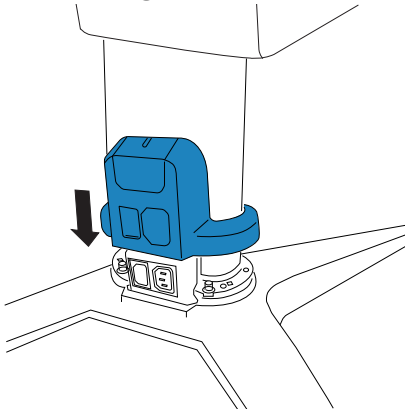


3. Screw the cable connectors clockwise to tighten.

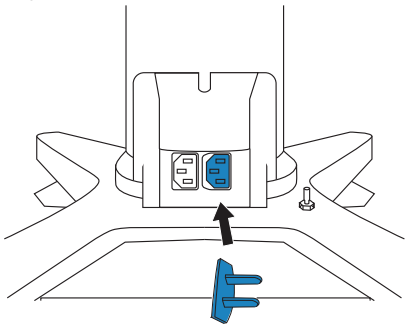


## Install covers over power receptacles

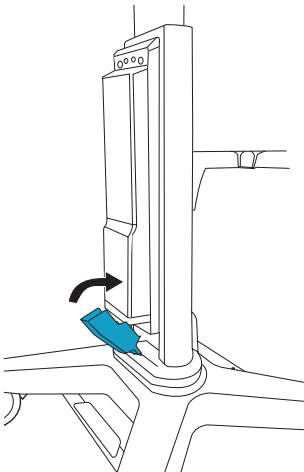
1. Fit the rear base cover around the stand column above the power receptacles, then press the cover straight down with equal pressure on both sides until it snaps into place.



2. If you do not have a printer, cover the printer power outlet.

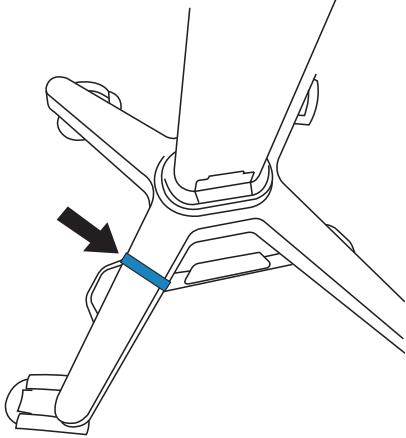


3. Install the cover at the bottom of the battery.

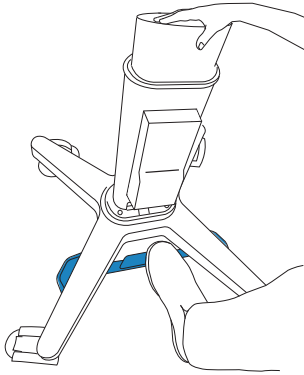


## Raise the column

1. Remove the hook and loop shipping strap that is immobilizing the foot pedal.



2. Place a hand on top of the platform to prevent it from rising too quickly. Press the foot pedal and raise the inner column partway.



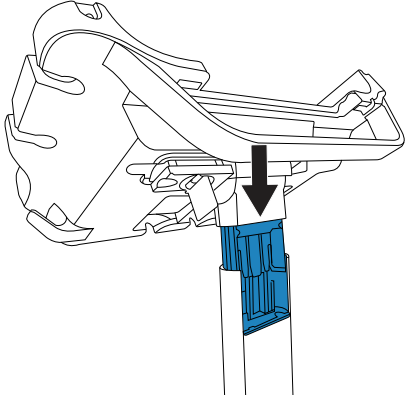
### **NOTE**

Now is a good time to install the optional PowerPark accessory.

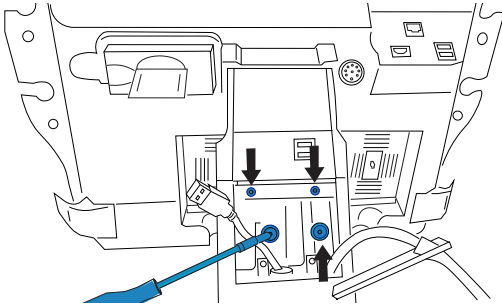


# Install the stand head

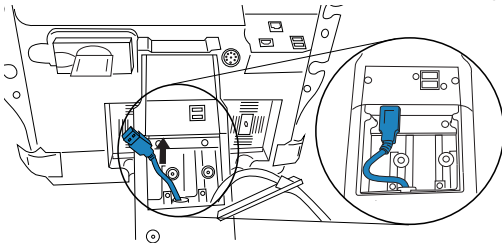
1. Insert the stand head pedestal into the inner stand column.



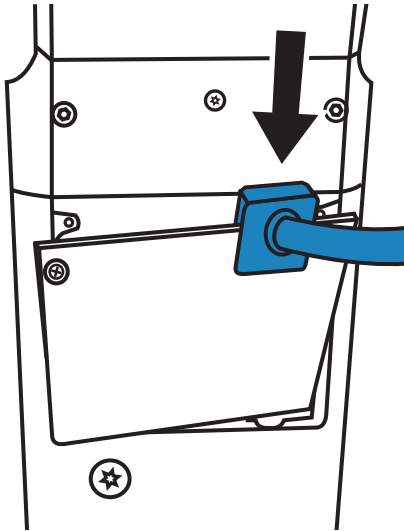
2. Use the bit driver with the 4 mm bit to tighten the four screws on the stand head.



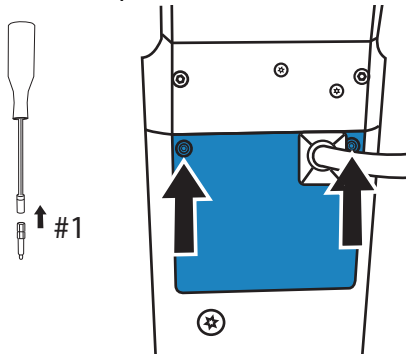
3. Connect the USB cable in the inner column to the USB port inside the stand head. Be certain that the USB cable is oriented correctly before pushing it in.



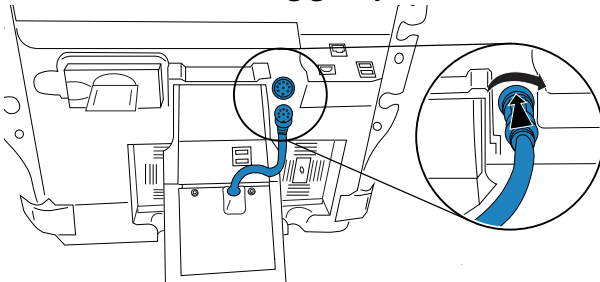
- Slide the power cable grommet into the column cover.



- Attach the column cover to the stand by tightening the two M3 screws with the bit driver and the Phillips bit.

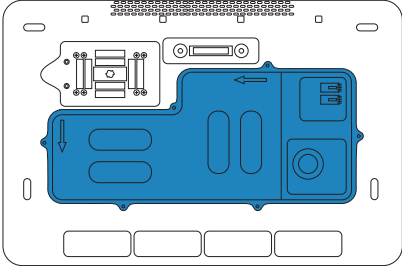


- Connect the column power cable to the stand head by pushing it into place and screwing it into the connector. Tug gently to make sure it is secure.

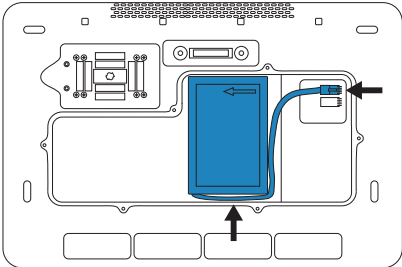


# Install the system batteries

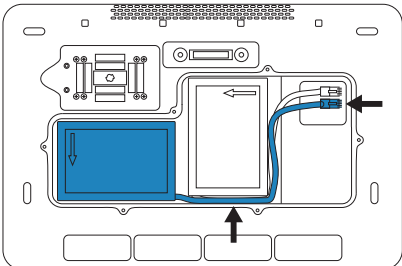
1. Unpack the system or engine and place it down on a flat surface. Access the battery compartment.



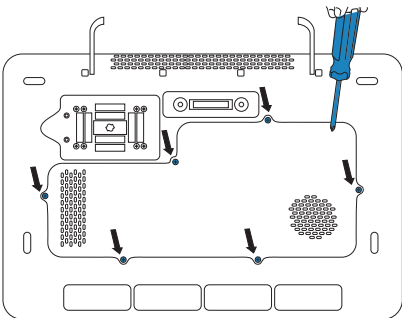
2. Place one of the batteries in the compartment as shown, then plug its cable into the connector. Align the arrow on the battery with the arrow in the compartment.



3. Place the other battery in the compartment as shown, then plug its cable into the connector. Align the arrow on the battery with the arrow in the compartment. Make sure both the cables are placed fully within the compartment.

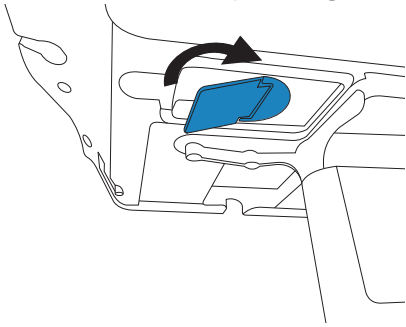


4. Attach the battery compartment cover with a Phillips screwdriver and the screws taped to the cover.

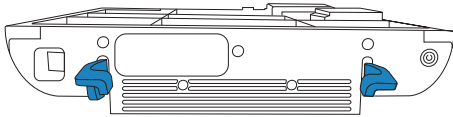


## Dock the engine to the stand

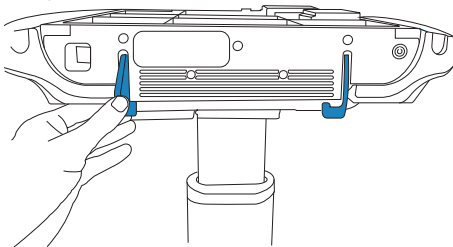
1. Make sure that the connector located on the bottom of the built-in double transducer connect is loose by pulling the latch down then rotating it.



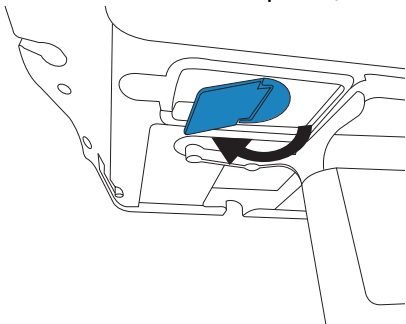
2. Flip the left and right latches up before placing the engine onto the platform.



3. Dock the engine to the platform, and secure it by rotating the left and right latches down until they click.

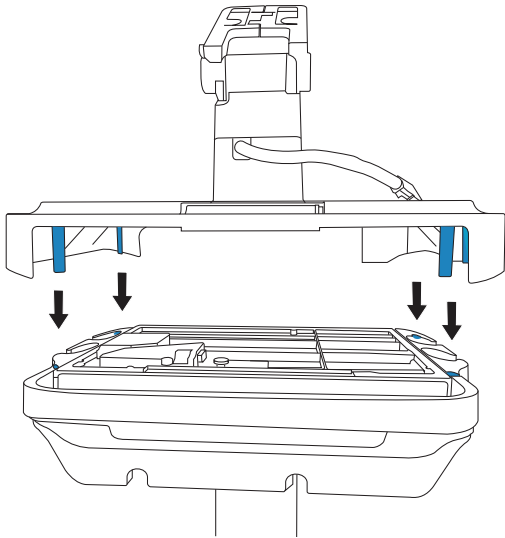


4. Secure the connection between the engine and the transducer connector by pushing the connector back into place, rotating the latch in the opposite direction, then pressing it up.

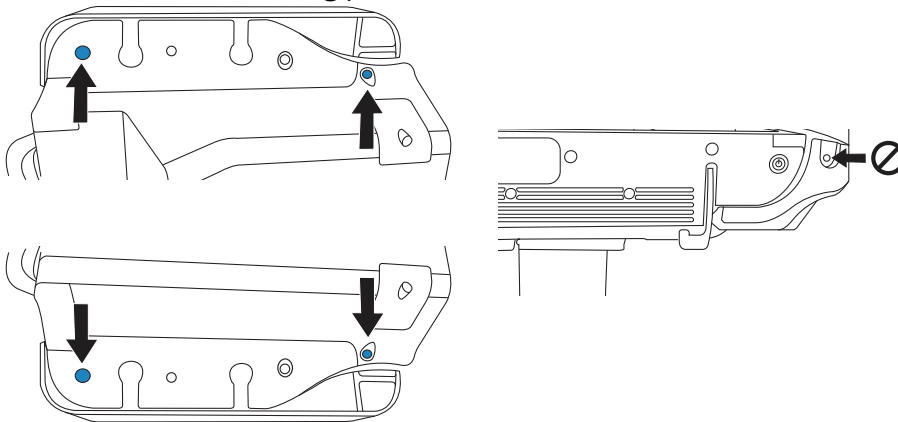


## Install the monitor mount and tray

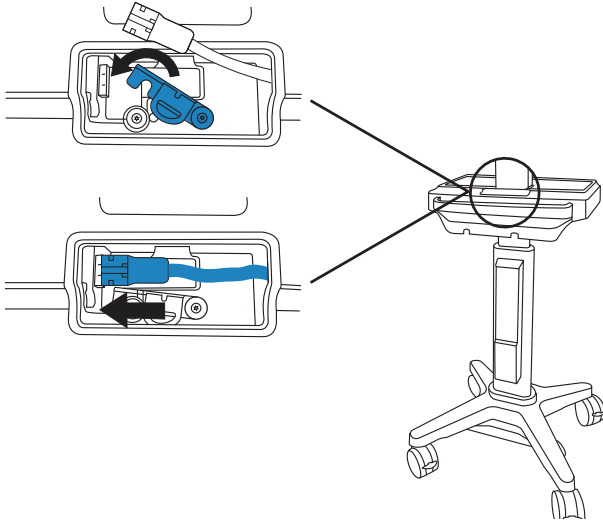
1. Place the monitor mount and tray over the engine so that the four pins underneath align with the screw holes in the stand head.



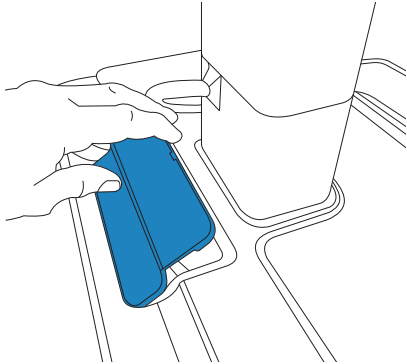
2. Use four M6 x 12 mm screws and the 5 mm driver to secure the tray and monitor mount to the stand head. Insert screws from below the stand head into the monitor mount and tray. Do not use the rear mounting points.



3. At the opening on top of the tray, turn the latch closed and then connect the video cable, with connector latch up, to the engine.

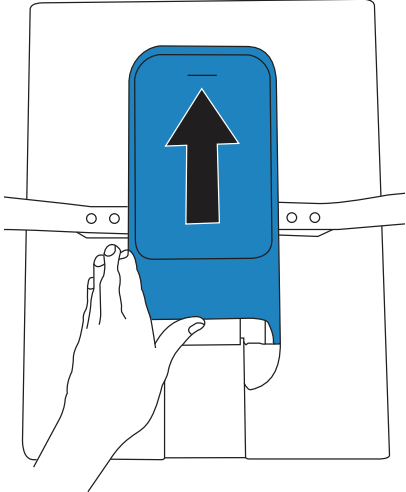


4. Place the lower part of the cover in first and then press down to lock it in place.

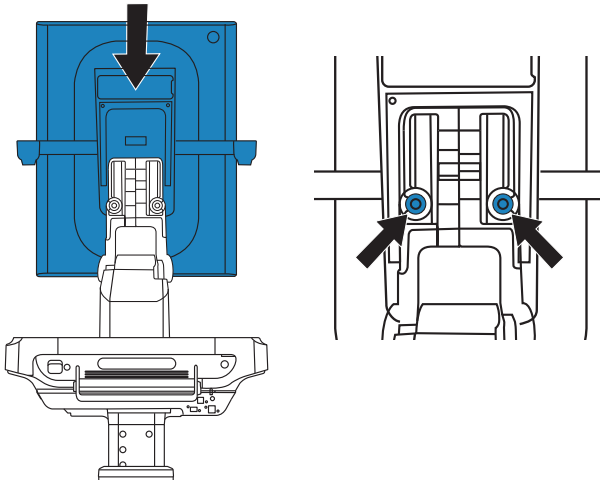


# Install the clinical monitor

1. Push up from the bottom of the clinical monitor cover to unlatch it.

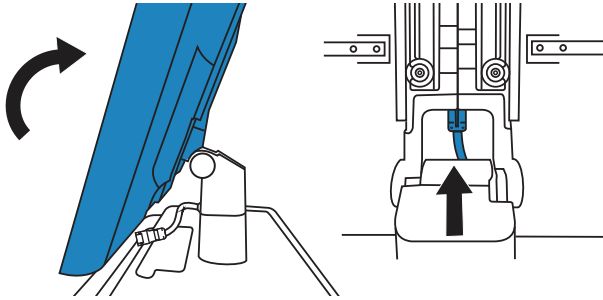


2. Carefully insert the blade of the tray and monitor mount into the rear of the clinical monitor and then use the Phillips driver to secure it with two M5 x 18 mm screws (screws are taped inside the cover).

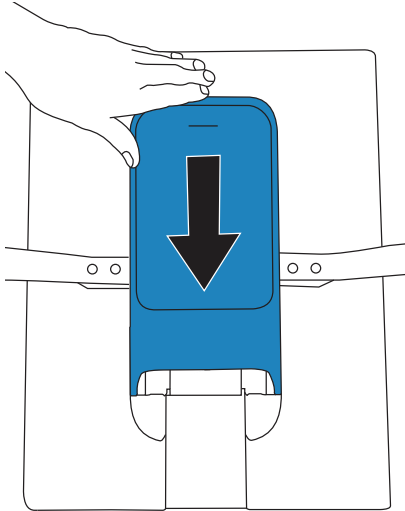


3. Tilt the clinical monitor back part way until you are able to feed the video cable up, and then connect the video cable to the rear of the clinical monitor. It is important to route the cable exactly as shown. Return the clinical monitor to vertical.





4. Reinstall the clinical monitor cover by putting it into place and then pushing down.

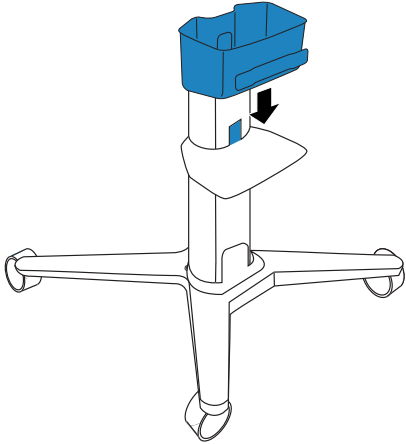




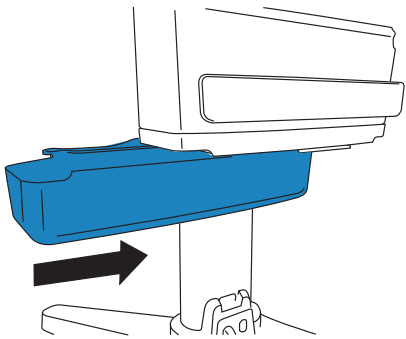
## Attach the stand accessories

There is an optional storage package that includes four large bins. If you ordered that package, skip these steps and proceed to [Install the storage bins and gel holder \(large basket storage option\) \[25\]](#).

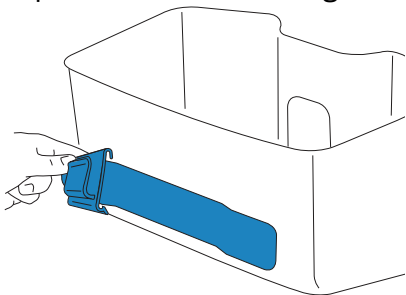
1. Slide the storage container down over the tongue of the storage tray until it is resting on the tray.



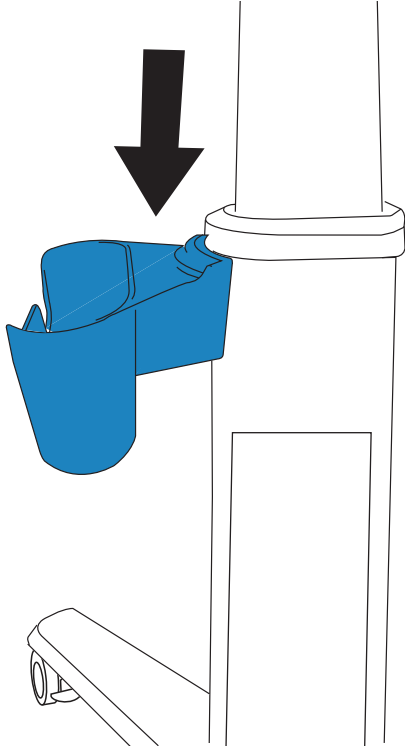
2. Slide the drawer into the slots on the underside of the tray.



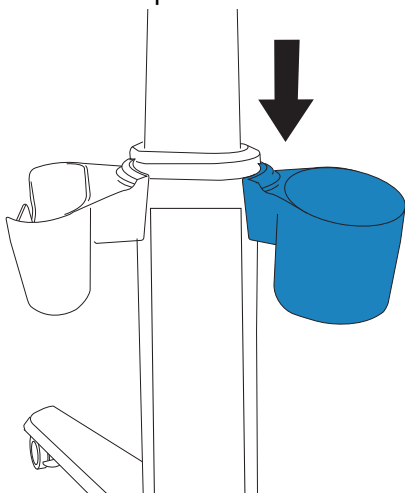
3. Slip the hook over the edge of the cord wrap on the front of the storage container.



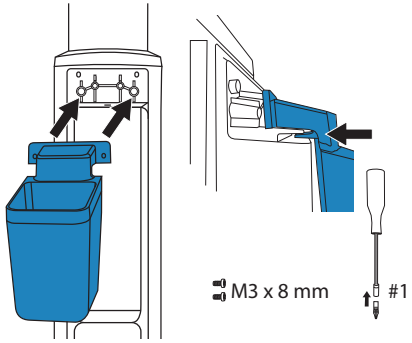
4. Slide the gel bottle holder down onto one of the mounting brackets on either side of the column.



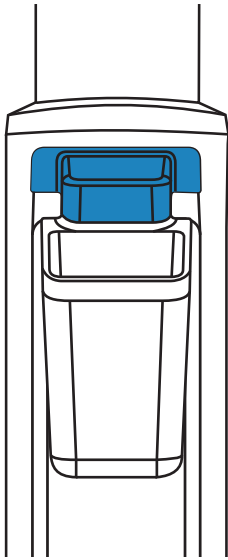
5. Slide the wipe holder down onto one of the mounting brackets on either side of the column.



6. Use the #1 Phillips bit and two M3 x 8 mm screws to install the center gel holder at the top of the auxiliary stand battery.



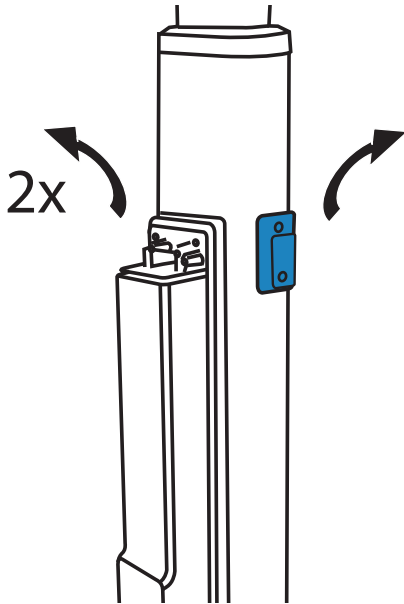
7. Snap the center gel holder cover onto the gel holder.



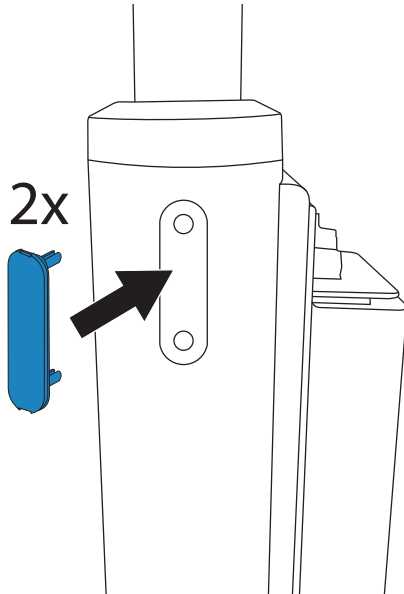
## Install the storage bins and gel holder (large basket storage option)

This is an optional accessory kit that is an alternative to the primary accessory package. Skip these steps if you have already installed the other stand accessories.

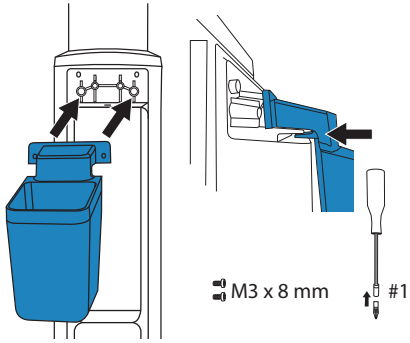
1. Use the 4 mm bit driver to remove brackets from both sides of the column.



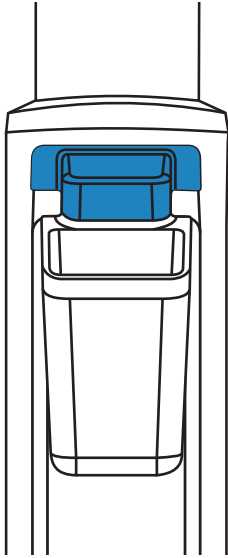
2. Push a cover plate in on both sides of the column.



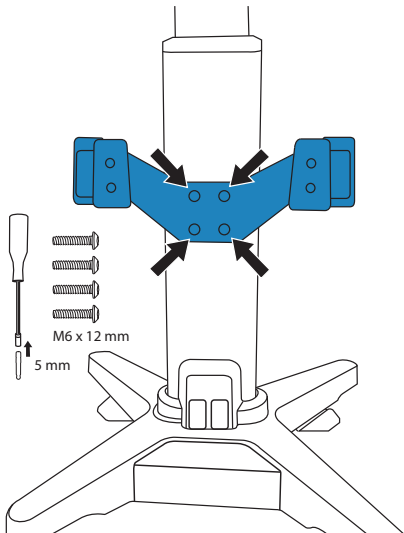
3. Use the #1 Phillips bit and two M3 x 8 mm screws to install the center gel holder at the top of the auxiliary stand battery.



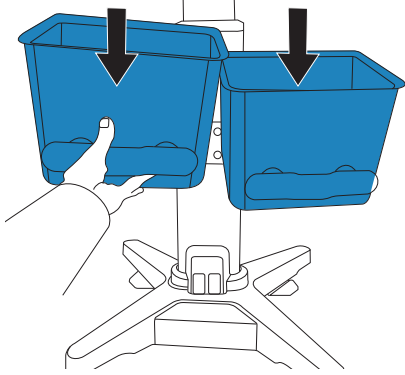
4. Snap the center gel holder cover onto the gel holder.



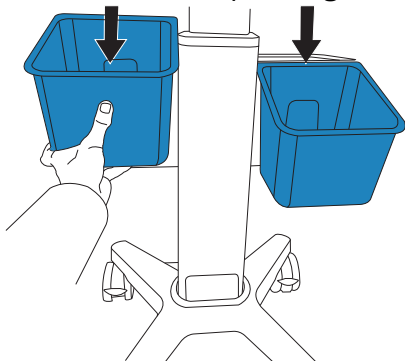
5. Use the 5 mm driver and four M6 x 18 mm screws to attach the storage bin mount to the rear of the stand. Make sure the arms are rising up and not down.



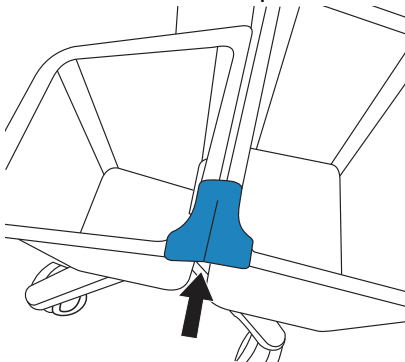
6. Install the two larger bins on the rear of the mounting bracket by sliding them over the mounts and then pressing down firmly to seat them.



7. Install the two smaller bins on the front of the mounting bracket by sliding them over the mounts and then pressing down firmly to seat them.

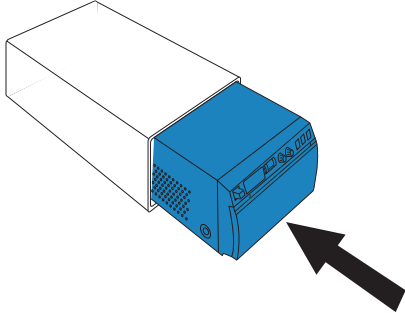


8. Connect the bins in pairs with a bin clip on each side.

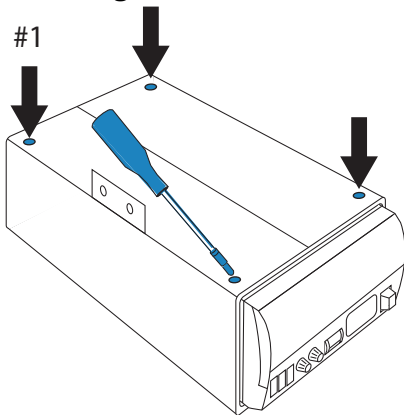


## Install the printer (optional accessory)

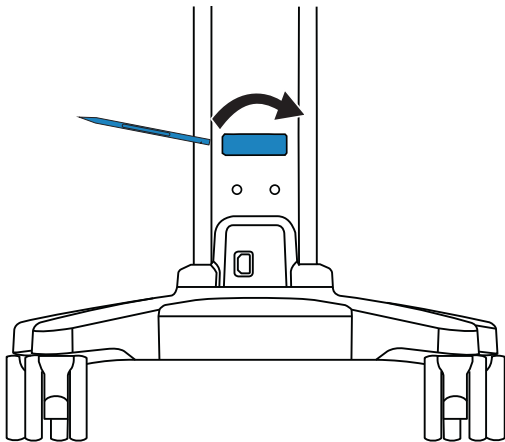
1. Slide the printer into the mounting box.



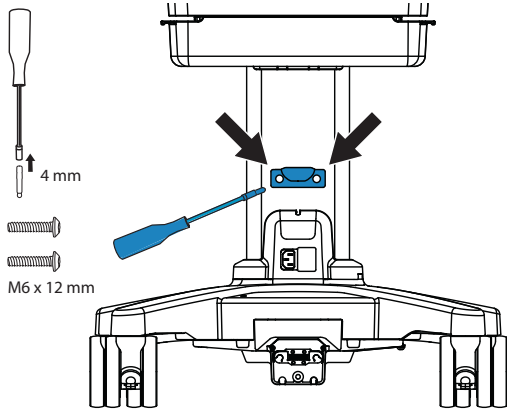
2. Use the bit driver with the Phillips bit to tighten the four screws on the bottom of the mounting box.



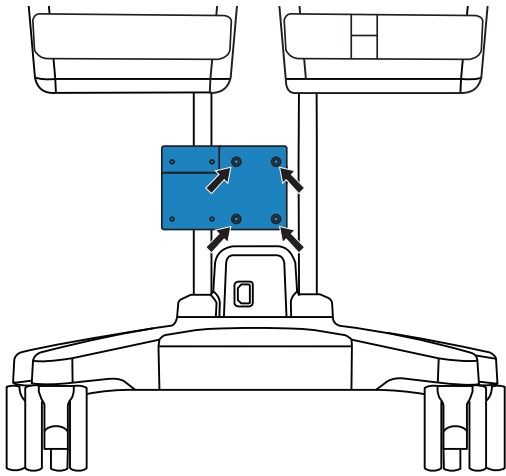
3. Remove the cover on the stand column with a pry tool.



4. If you have the standard accessory kit, use the bit driver with the 5 mm bit and the M6 x 12 mm screws to attach the printer mounting bracket to the stand.

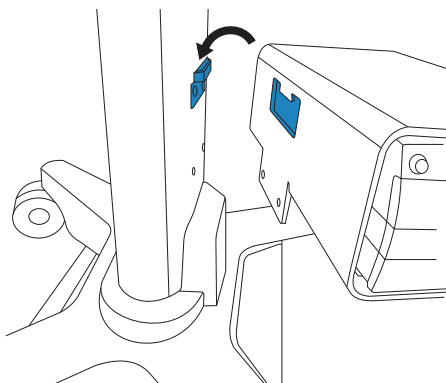


5. If you installed the four large storage bins, you must use the printer offset mounting bracket. Use the 4 mm bit driver and four M6 x 18 mm screws to install the printer mounting bracket to the stand.

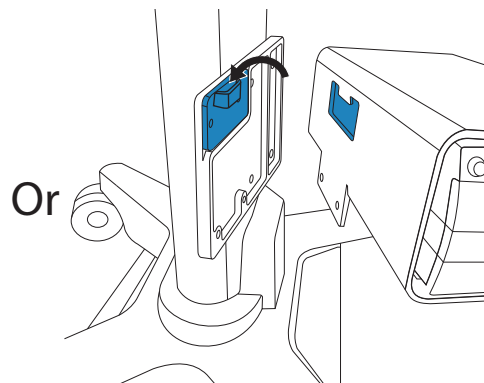


6. Slide the lip of the mounting box down onto the mounting bracket or stand, depending on which storage kit you have.

### Standard storage



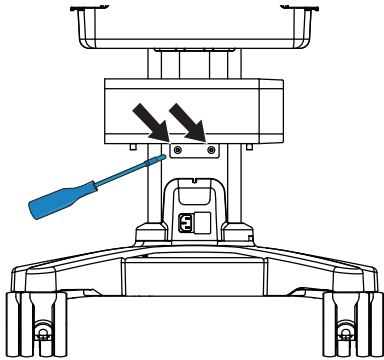
### Alternative storage



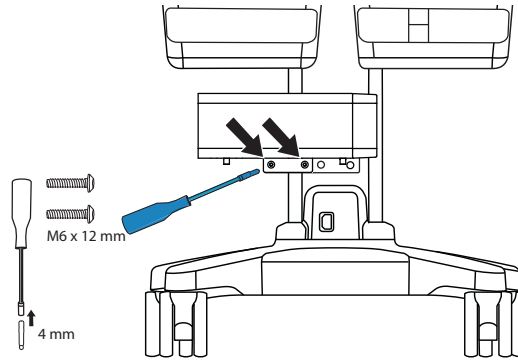


7. Install and tighten the two M6 x 12 mm round head screws located under the printer.

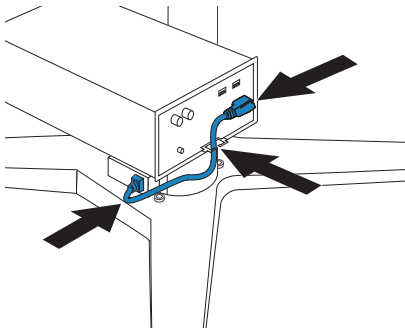
### Standard storage



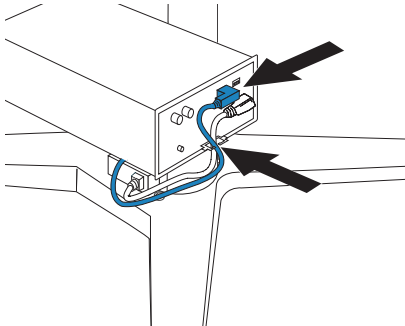
### Alternative storage



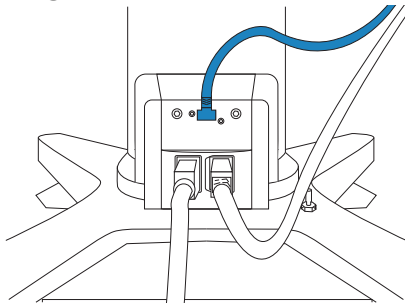
8. Connect the AC power cable to the printer, run the cable through the cable holder, and plug the cable into the stand.



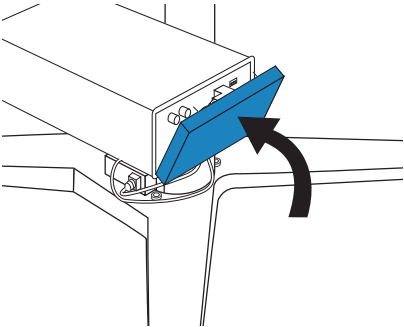
9. Connect the USB cable to the printer, and run the cable through the cable holder.



10. Plug the USB cable into the base of the stand and install the USB cover.

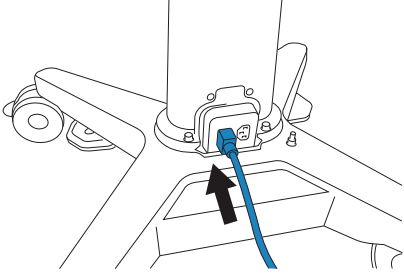


11. Attach the printer cover.

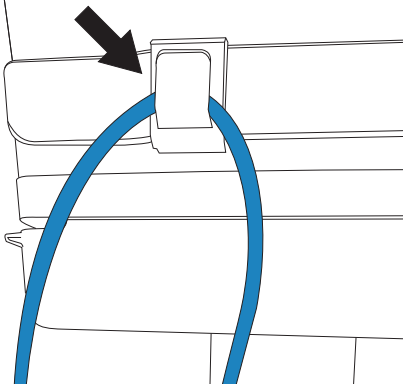


## Connect the stand to power

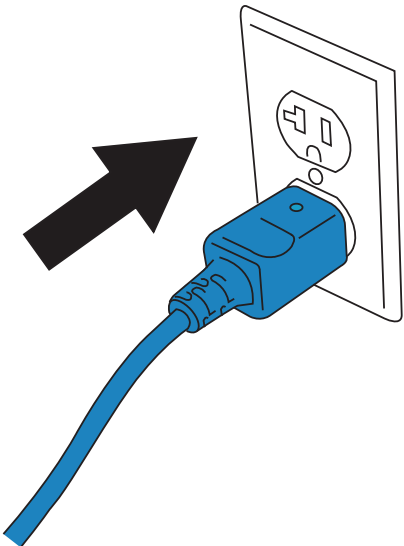
1. Connect AC power cord from the system box to the base of the stand.



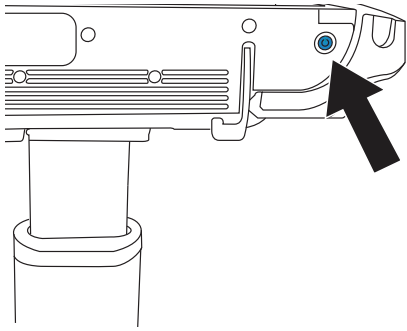
2. Run the AC power cord through the cord clip on the back of the storage tray. Wrap the cord if you need to wheel the system to an outlet.



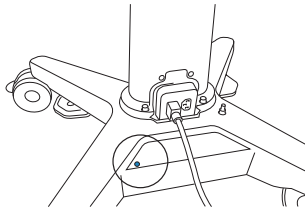
3. Connect the AC power cord to a hospital-grade AC mains outlet.



4. Make sure that the on/off button is lit.



5. Make sure that the power status light on the base of the stand is on.



6. Allow the system to charge for six hours before using. This ensures the best battery life and user experience. The power status light will indicate a solid blue when fully charged.



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