

A-dec® 41pro/41L Mobile Simulator

INSTALLATION GUIDE



Product Models and Versions Covered in this Document*

Models	Versions	Description
41L	A	Mobile Simulator
41pro	n/a	Mobile Simulator

*Some product models, versions, and options in this document may not be available in certain regions.

Before You Begin

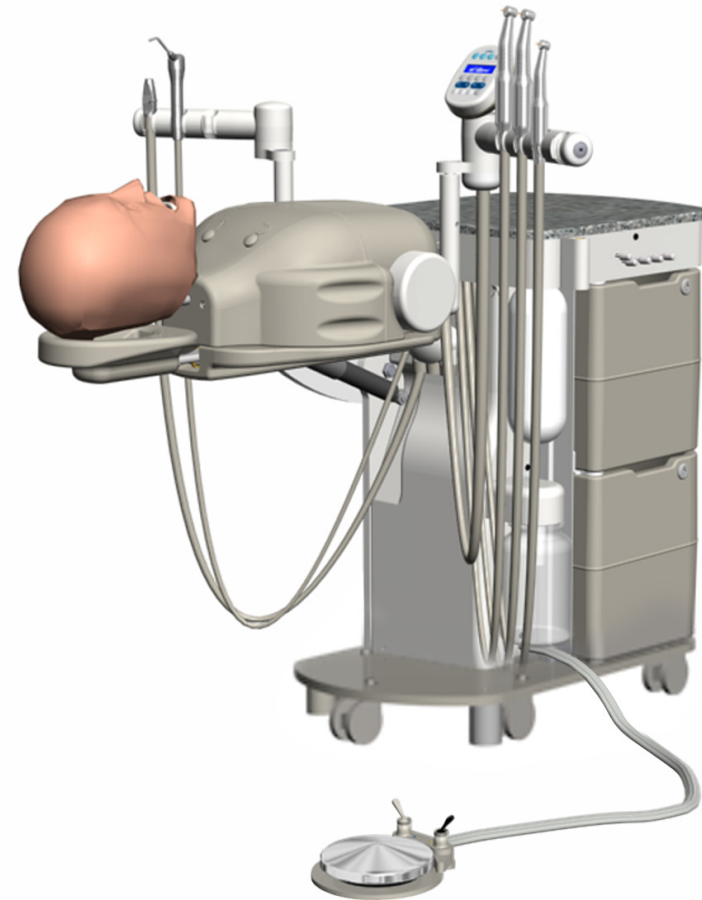
- Check with local building and code authorities about installation requirements specific to your location.
- If the manual shutoff valves have not been installed, install them according to prevailing building codes.
- Locate the simulator installation kit (one for each unit).

Recommended Tools

- Hex key set
- Diagonal cutters
- Phillips head screwdriver



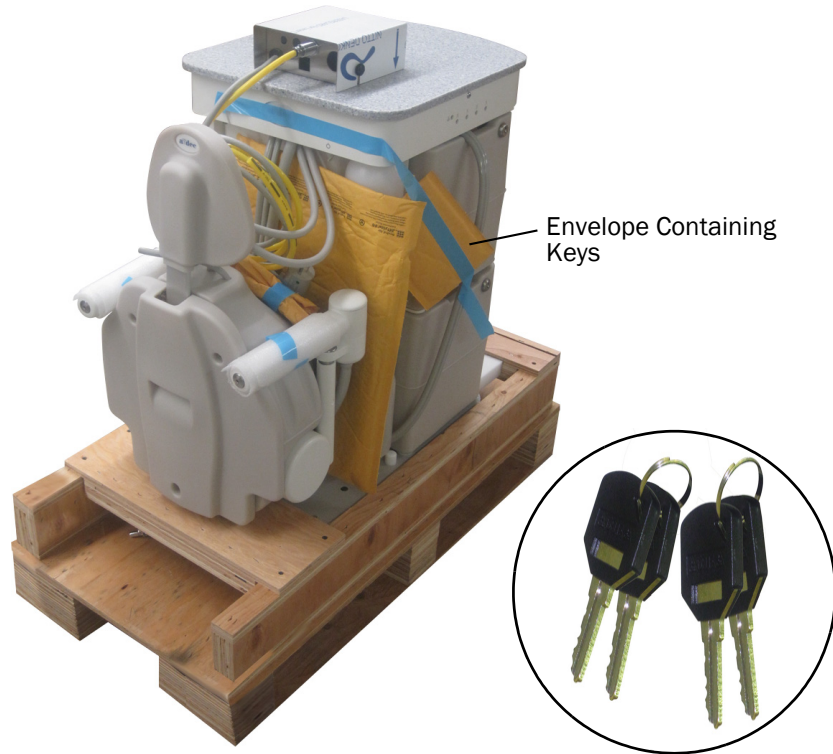
WARNING Shock hazard. When you remove or replace the covers, take care not to damage any wiring or tubing. Verify that the covers are secure after you replace them.



41L Mobile Simulator Shown

Remove the Unit From the Pallet

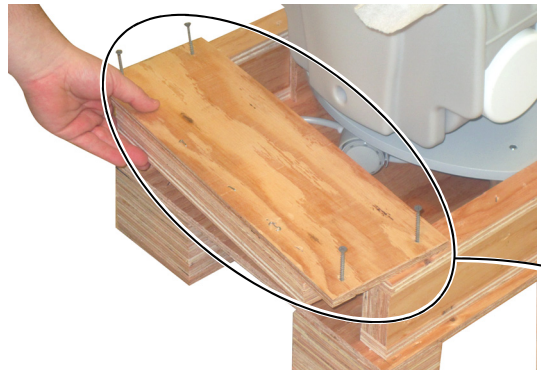
1. Remove both sets of keys from the envelope taped on the side of the unit.
2. Unlock both storage bins.



3. Open the top storage bin for easy lifting.
4. Remove storage bin contents.



5. Loosen the screws and remove the board on the torso end of the pallet.



WARNING Two people should lift the unit from the pallet to avoid personal injury.



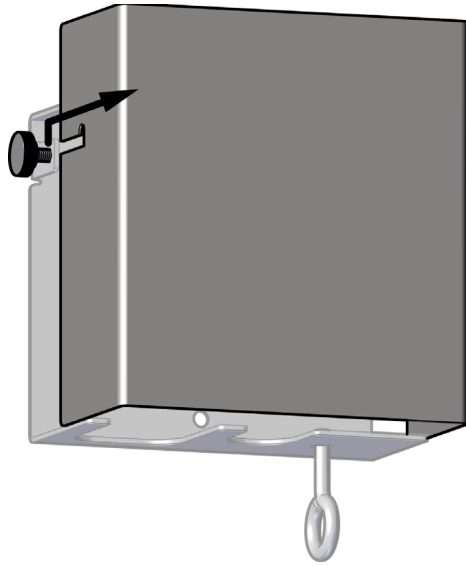
CAUTION Do not lift the unit by the holder arms or torso area.

6. Grip the sides of the top of the unit, and lift it off the pallet.



Mount the Utility Bracket

1. Loosen the two screws securing the utility bracket cover and remove it.

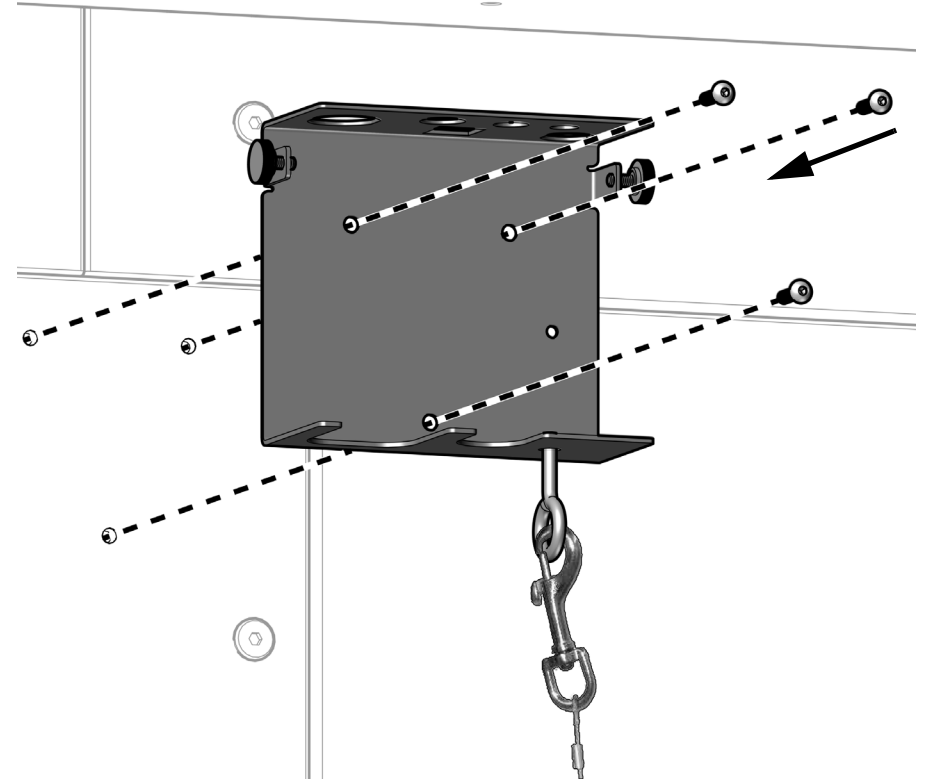


2. Refer to the *A-dec 41pro/41L Mobile Simulator Full-Size Template* (p/n 86.0282.00) to place the utility bracket.



NOTE The template is ordered separately and does not come with the unit.

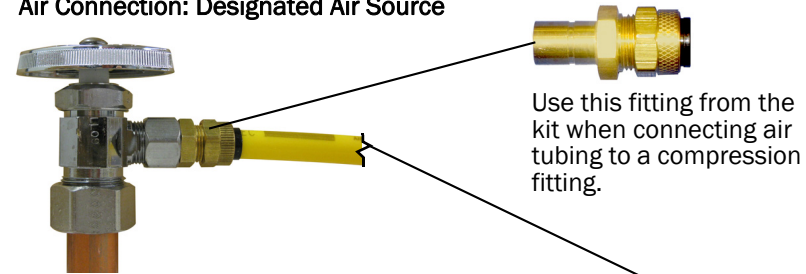
3. Use the screws from the kit (and hex nuts if necessary) and a 1/8" hex key to attach the bracket to the bench.
4. Secure the unit to the utility bracket with the lanyard.



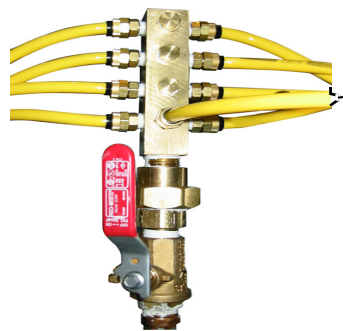
Connect the Utilities

1. Connect utilities and attach tubing to the manual shut-off valves.

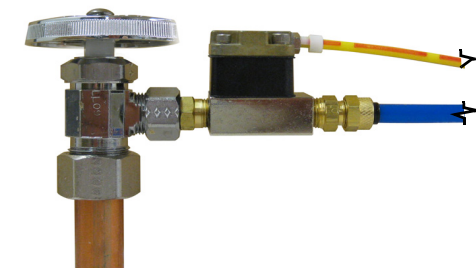
Air Connection: Designated Air Source



Air Connection: Air Manifold (Optional, Supplies Multiple Simulators)



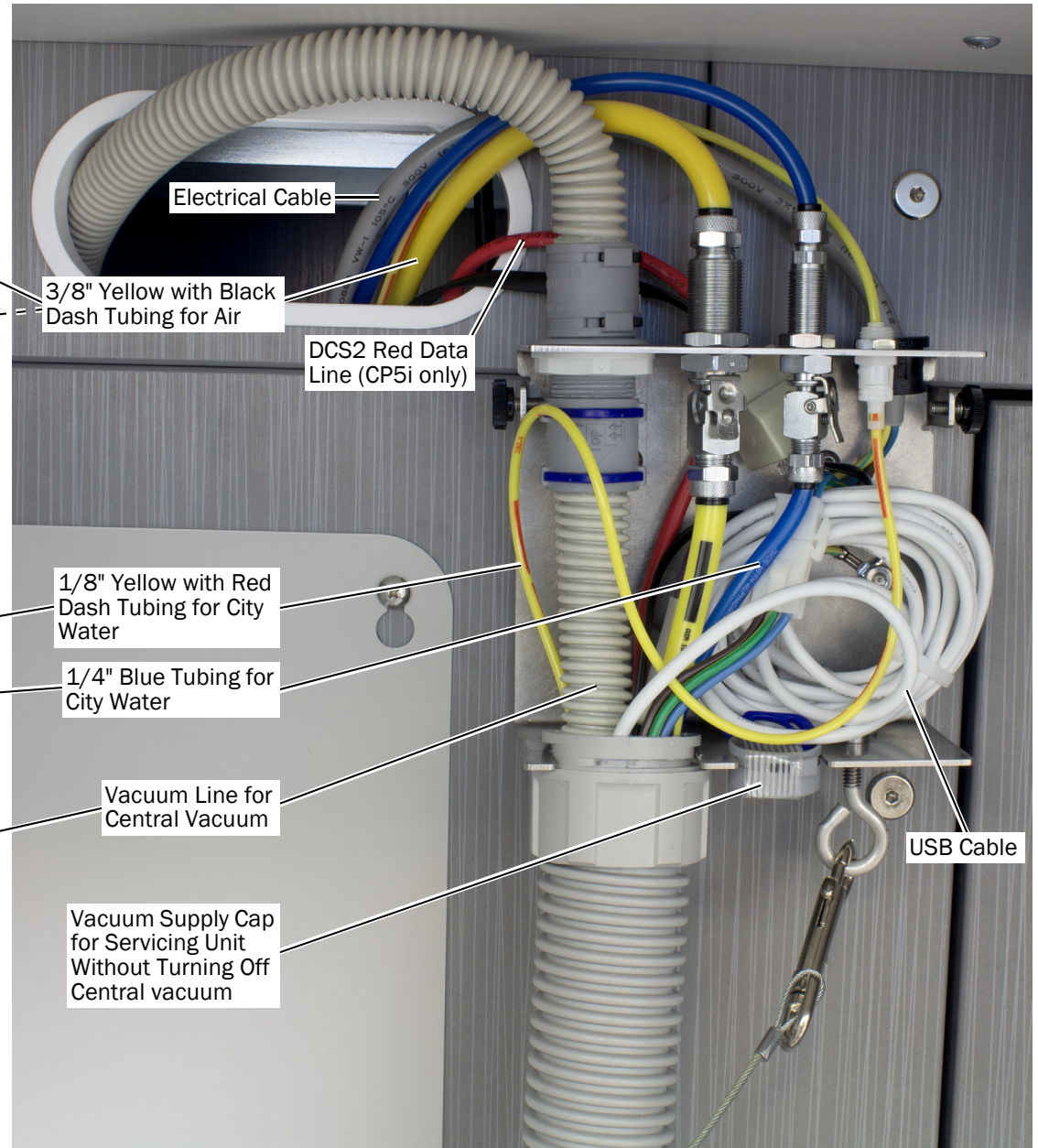
City Water Connection (Optional)



Central Vacuum Connection (Optional)



NOTE A complete flow diagram is available in the *Tubing and Flow Diagrams* chapter of the *A-dec Simulators Service Guide* (p/n 86.0298.00).





CAUTION Before connecting to power, verify that the mains voltage is correct and that an earth grounded connection is included. Make sure the unit can be easily unplugged.

2. Plug in the electrical cable and open the air and water valves.
3. Peel off the plastic coating on the utility bracket cover.

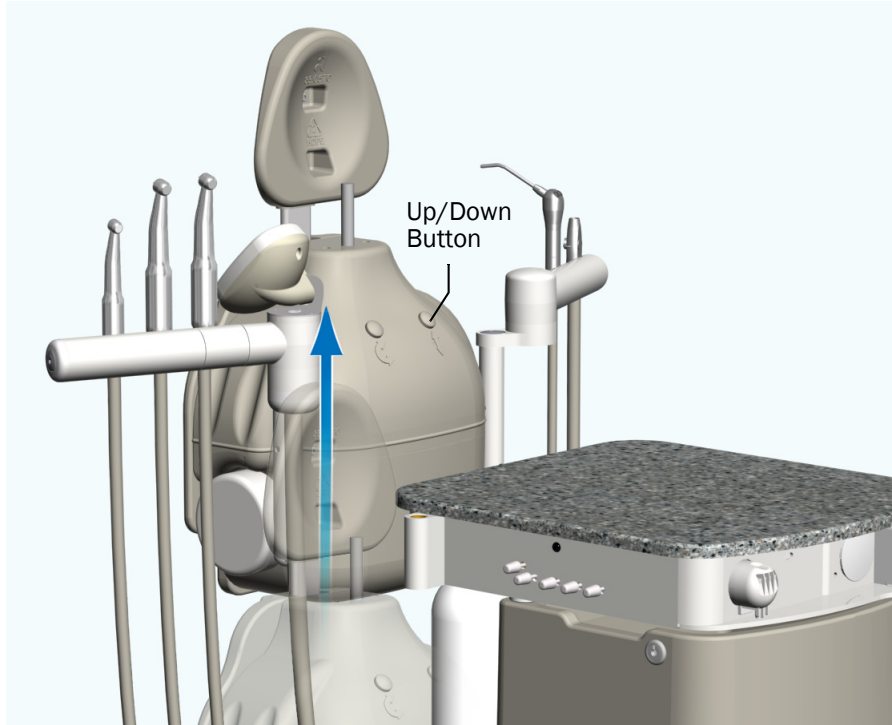


Install the Manikin Head

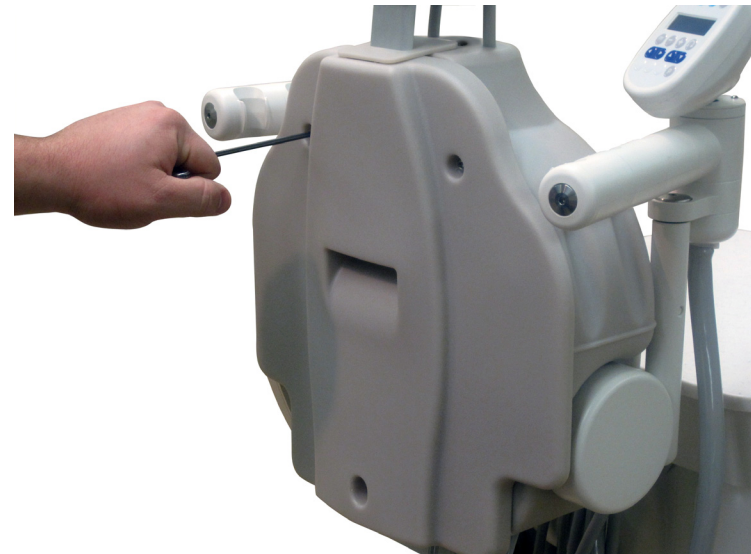


NOTE The manikin head is not provided by A-dec.

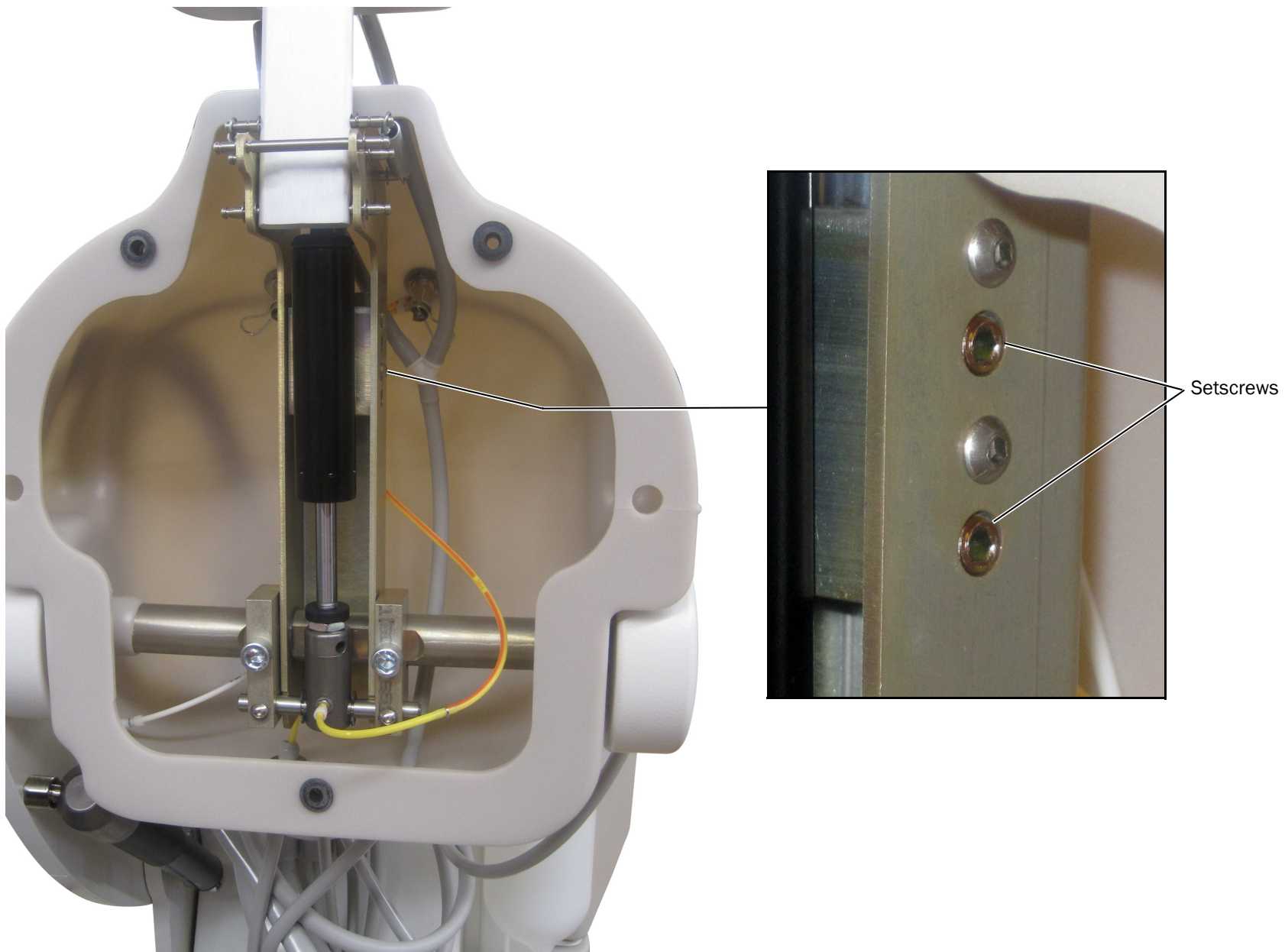
1. Remove the packaging from the holder arms and swing them out.
2. Press and hold the Up/Down button and raise the torso. Release the button to lock into position.



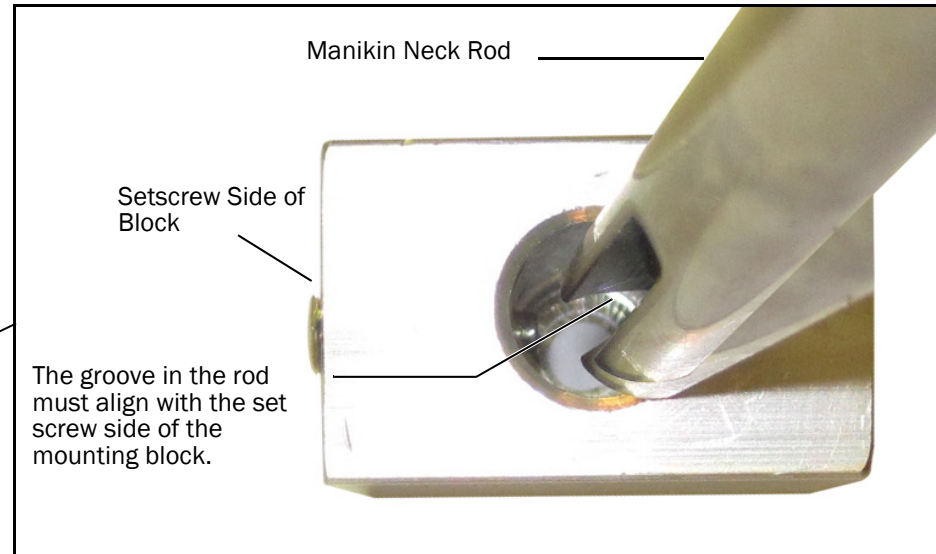
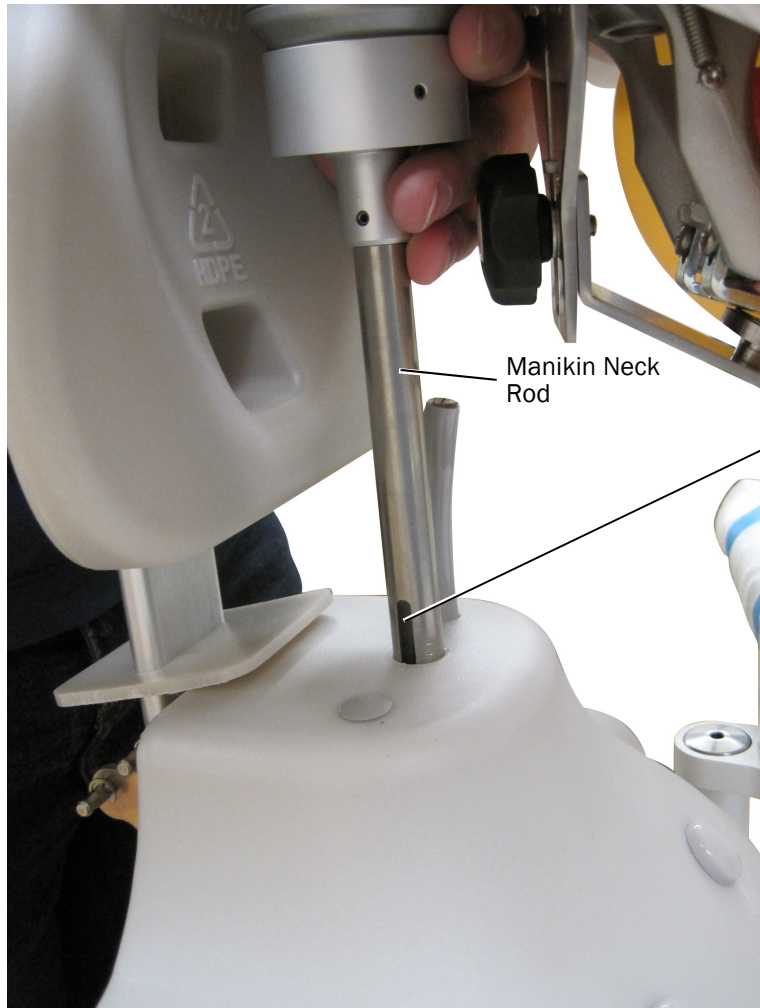
3. Use a 5/32" hex key to remove the three screws that attach the backrest to the torso.
4. Remove the backrest and set it aside.



5. Use a 5/32" hex key to loosen the two setscrews on the side of the torso support bracket.



6. Insert the manikin neck rod into the torso support bracket.



7. Tighten the two setscrews in the torso support bracket.
8. Follow the manikin manufacturer's instructions to connect the manikin drain tube.
9. Reinstall the backrest to the torso.

Install the Self-Contained Water Bottle (optional)

1. Slide the water bottle over the supply tube.



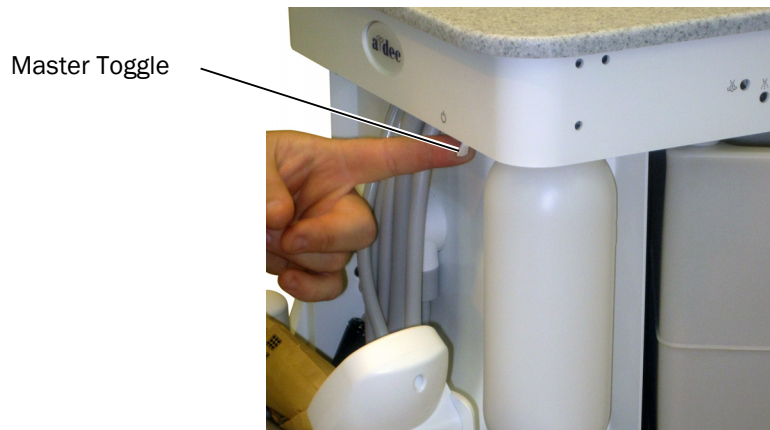
2. Screw the bottle into the receptacle.

Turn On the Master Toggle



NOTE If the optional AVS vacuum is present, make sure the black toggle on the foot control is flipped away from the yellow dot so the vacuum generator will not run.

1. Flip the master toggle to the on position.



Install Options

If your unit includes options, such as a dental light, refer to the installation instructions that come with the option.

Customize Touch Control Settings (optional)



NOTE Touch control symbols and icons are proprietary to A-dec, Inc.

CP5i Control Pad

For touchscreen and control pad use, see the *A-dec DS7/CP5i/CP5 Touch Controls Instructions for Use* (p/n 86.0857.00) at a-dec.com/touchscreen-manual.



For configuring connectivity features, see the *A-dec+™ Software Platform Instructions for Use* (p/n 86.1030.00) at a-dec.com/connectivity-manual.



Simulator Touchpad

To customize simulator touchpad settings, refer to the *Programming* chapter of the *A-dec Simulator Service Guide* (p/n 86.0298.00).



Test the Unit

1. Use a 1/8" hex key to remove the screw that secures the worksurface. Slide the work surface towards the torso and lift up to remove it.



2. Verify that the air pressure gauge reads 80 PSI inside the control head.
3. Test all functions of the utilities.
4. Check all plumbing connections.
5. Verify that the torso moves up and down.

Replace the Covers



WARNING Shock hazard. When you remove or replace the covers, take care not to damage any wiring or tubing. Verify that the covers are secure after you replace them.

1. Replace the worksurface and secure it with the screw.
2. Replace the utility bracket cover.

Finish the Installation

- Instruct the faculty, students, and maintenance staff as appropriate on the operation and maintenance of the equipment.
- Refer to the *A-dec Simulator Service Guide* (p/n 86.0298.00) for function and settings information.

Store the Remaining Parts

We recommend that any uninstalled parts be stored with the unit for future use. Simulator parts include:

- Water QD flow control valve
- Air QD fitting
- Flow adjustment keys
- Syringe tips
- HVE tube
- Silicone rubber HVE tip
- Keys

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.



For quick access to this document online, scan, tap, or click this QR code, which points to a-dec.com/regulatory-guide.

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