

A-dec® Lever Foot Control

INSTALLATION GUIDE



Product Models and Versions Covered in This Document

Models	Versions	Description
200	A	Delivery System
332/333/334 335/336	A	Delivery System
332ft/332pro/333pro/ 334pro/335pro/336pro	n/a	Delivery System
532/533/541	A/B	Delivery System
532pro/533pro/541pro	n/a	Delivery System
Performer®	B	Delivery System
Simulator	A	Delivery System
Systems built with a Century Plus Control Block	A	Delivery System



NOTE For questions about lever foot control compatibility with A-dec products, contact A-dec Customer Service.

Recommended Tools

- Hex key set
- Diagonal cutters
- Sleeve pusher
- Anti-static wrist strap

Prepare for Installation



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



WARNING Failure to turn off or disconnect the power before you continue with this procedure can lead to product damage and result in serious injury or death.

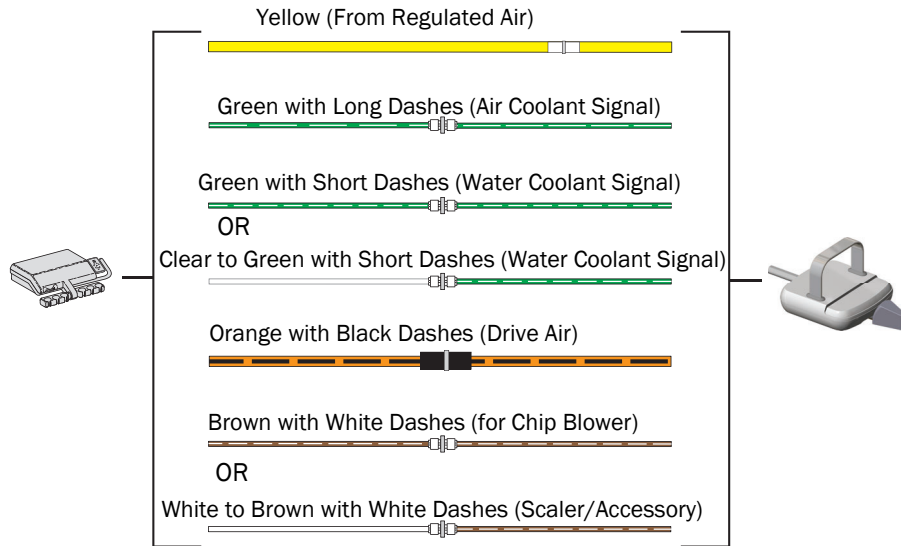
1. Turn off the power to the system.
2. Remove the cover from the chair base.
3. If a disc foot control is present, remove the disc foot control tubing from the strain relief in the chair base and disconnect the tubing from the umbilical.



NOTE The lever foot control function can be reversed (change left direction to dry, right direction to wet). For more details, contact A-dec Customer Service.

Install the Lever Foot Control

1. From the back of the chair, route the lever foot control tubing through the strain relief.
2. Secure the foot control tubing to the chair base in the strain relief.
3. Connect the tubing from the lever foot control to the tubing of corresponding color and dash pattern.



4. Replace the chair base cover.

Complete the Installation

- If installing on an A-dec 500 system, go to “Adjust Control Head Tubing (A-dec 500 Systems Only)” on page 3.
- If installing on an A-dec 532pro/533pro/541pro system, go to “A-dec 532pro/533pro/541pro Systems” on page 6.
- If replacing a disc foot control that has a functional accessory/chip blower button on an A-dec system other than an A-dec 500 or an A-dec 200 control block, go to “Test the System” on page 7.

- If replacing a disc foot control that does *not* have a functional accessory button on a Performer control block, place a plug on the end of the loose brown tubing and then go to “Test the System” on page 7.
- If replacing a disc foot control that does *not* have an accessory/chip blower button on a system with an A-dec 300 control block or a Century Plus® control block, go on to “A-dec 300/Century Plus Control Block” on this page.

A-dec 300/Century Plus Control Block

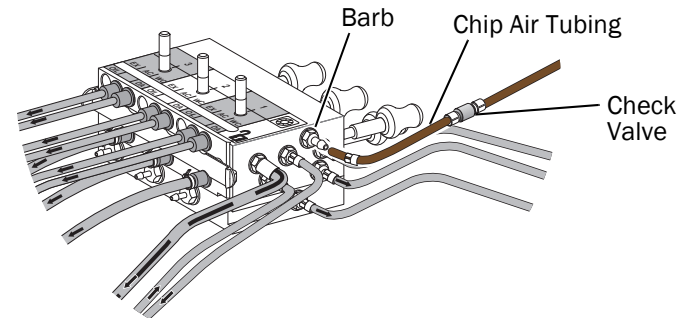
Follow these steps to replace a disc foot control that does not have an accessory/chip blower button.



NOTE The brown chip air tubing in the control head must be installed on the control block in order for the chip blower feature to function with the lever foot control.

A-dec 300 Control Block

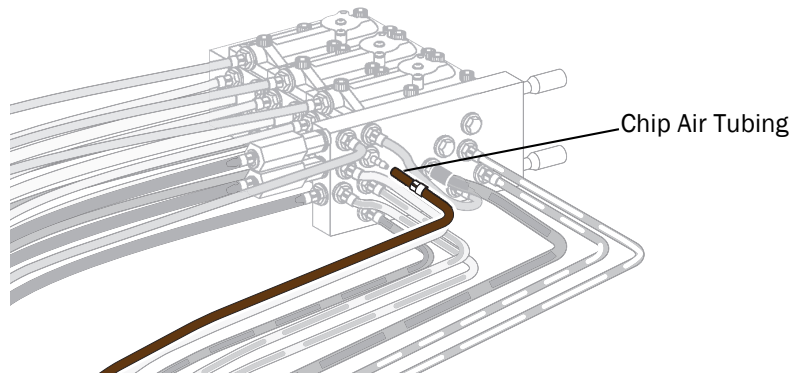
1. Remove the control head cover.
2. If the brown chip air tubing is not connected to the control block, connect the tubing using parts from the kit (p/n 90.1546.00):
 - (1) Connect the check valve to the chip air tubing.
 - (2) Install the barb and tubing into the control block.



3. Replace the control head cover.
4. Go to “Test the System” on page 7.

Century Plus Control Block

1. Remove the control head cover.
2. If the brown chip air tubing is not connected to the control block, connect the tubing into the appropriate barb.



3. Replace the control head cover.
4. Go to "Test the System" on page 7.

Adjust Control Head Tubing (A-dec 500 Systems Only)



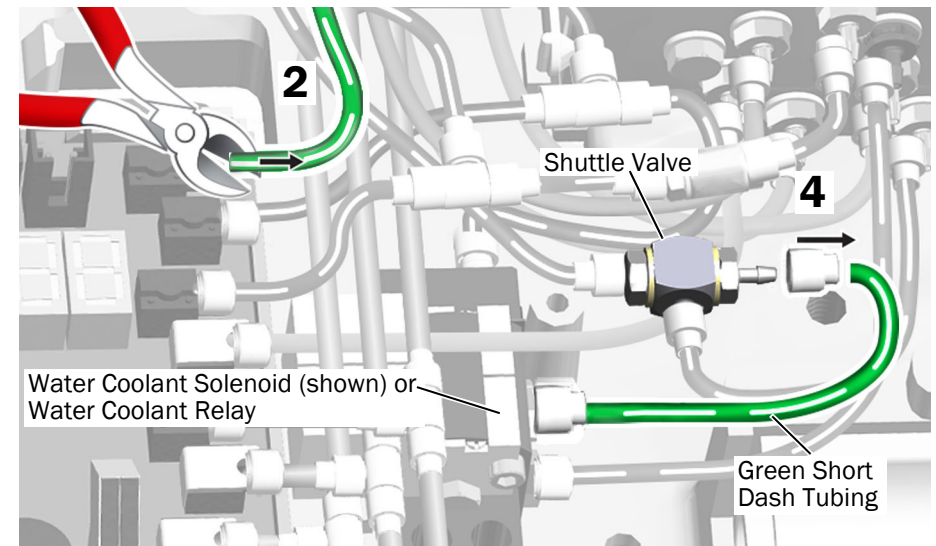
ATTENTION Circuit boards are sensitive to static electricity. Electrostatic Discharge (ESD) precautions are required when touching a circuit board or making connections to or from the circuit board. Circuit boards should be installed only by an electrician or qualified service person.

532A/533A

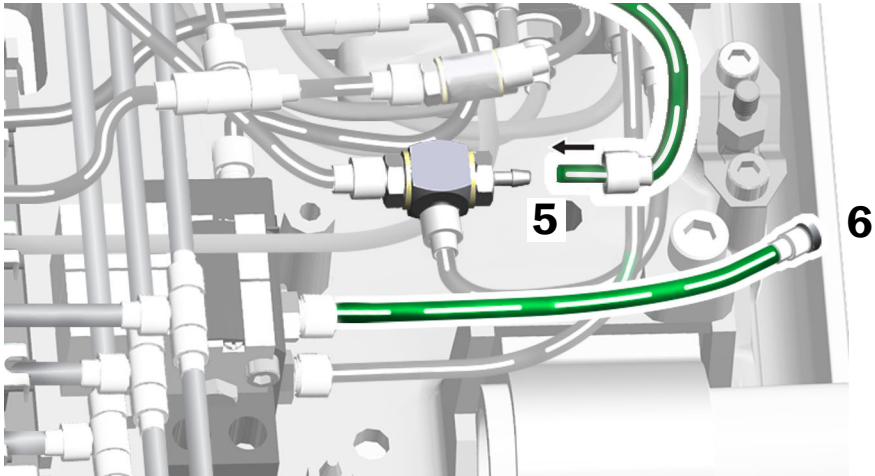


NOTE If your A-dec 500 system has a deluxe or deluxe plus touchpad, the button that is pressed for water coolant will be disabled. Water coolant flow will be controlled only from the lever foot control. The touchpad water coolant indicator may no longer match the water coolant state (on or off).

1. Remove the control head cover.
2. Cut the green short dash tubing from the circuit board pressure transducer.
3. Locate the green short dash tubing that is connected to the water coolant solenoid (deluxe touchpad) or water coolant relay (standard touchpad). Leave the tubing installed on the solenoid or relay.
4. Remove the end of the green short dash tubing from the shuttle valve.



5. Slide a uniclamp onto the green short dash tubing that was cut in step 2 and attach the tubing to the shuttle valve.
6. Place a plug in the end of the green short dash tubing that was removed in step 4.



7. Replace the control head cover.
8. Go to "Test the System" on page 7.

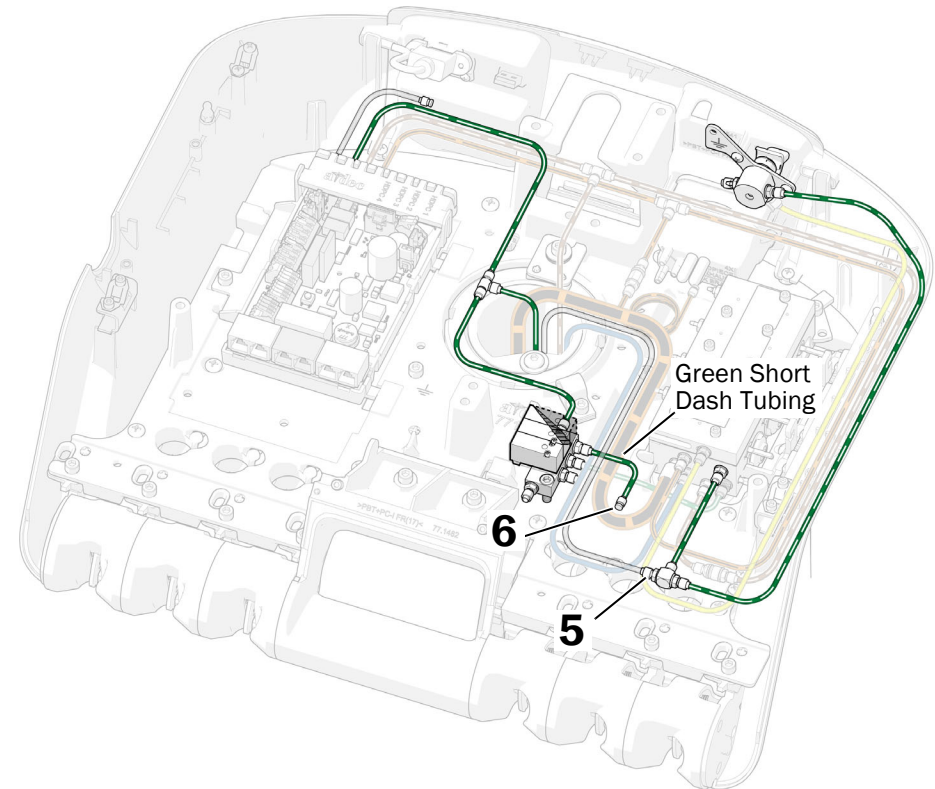
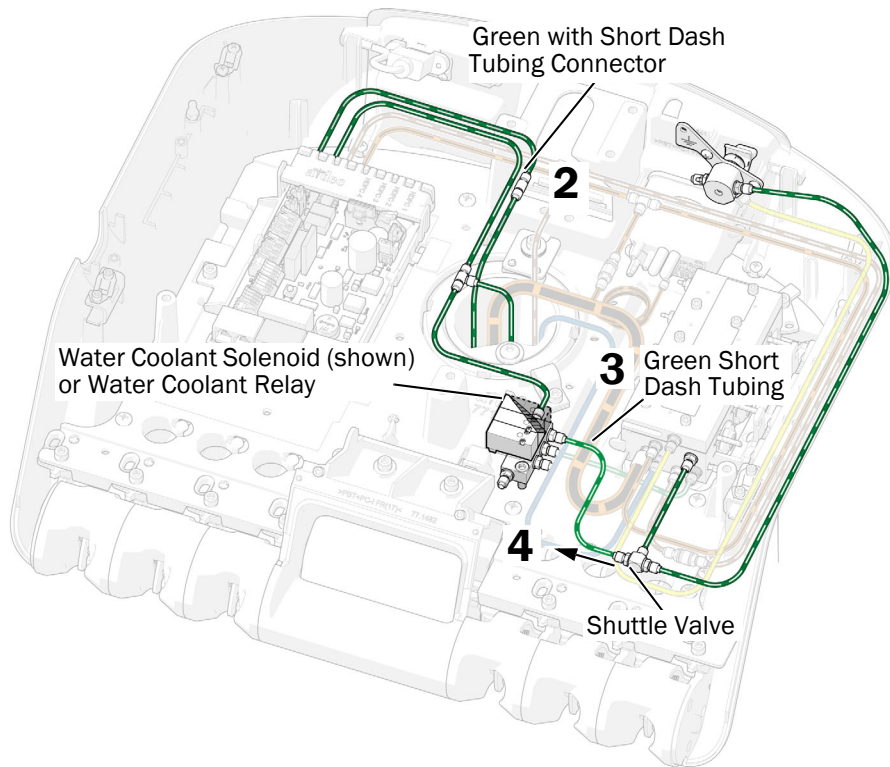
532B/533B



NOTE When a lever foot control is installed, the button that is pressed for water coolant is disabled. Water coolant flow will be controlled only from the lever foot control. The touchpad water coolant indicator may no longer match the water coolant state (on or off).

1. Remove the control head cover.
2. Disconnect the green with short dash tubing from the circuit board pressure transducer at the inline connector.

3. Locate the green short dash tubing that is connected to the water coolant solenoid. Leave the tubing installed on the solenoid or relay.
4. Remove the end of the green short dash tubing from the shuttle valve.
5. Slide a uniclamp onto the clear tubing that was disconnected in step 2 and attach the tubing to the shuttle valve.
6. Place a plug in the end of the green short dash tubing that was removed in step 4.
7. Replace the control head cover.
8. Go to “Test the System” on page 7.



A-dec 532pro/533pro/541pro Systems



NOTE When a lever foot control is installed, the button that is pressed for water coolant is disabled. Water coolant flow will be controlled only from the lever foot control. The touchpad water coolant indicator may no longer match the water coolant state (on or off).

When installing the lever foot control on a 500 Pro system, be aware that the lever foot control does not use the green tubing with long dash (air coolant signal). In 500 Pro systems, the green tubing with long dash is cut off at the sheathing for the foot control and the delivery system. Otherwise, there are no differences in the installation procedure listed on page 2.

Test the System

1. Turn on the system and check for leaks in all new connections.
2. Lift a handpiece from its holder. Move the foot control lever to the side to activate the handpiece.
3. Instruct the dental team on the operation and maintenance of the foot control.

Regulatory Information and Warranty

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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