

Preventive Maintenance for A-dec Equipment

A-dec recommends that you perform preventive maintenance annually or after 1500 hours of clinical use.

Chair

Notes

- ⑨ Use the touchpad (if equipped) and footswitch (if equipped) to check operation of the chair lift, tilt, and programming functions and advise on recommended repairs or replacements.
- ⑨ Check all equipment stop plates/switches and chair lockout function (if equipped) to ensure proper functionality.
- ⑨ Check the range of travel and adjust limits as necessary to minimize the possibility of collision damage.
- ⑨ Check for hydraulic cylinder squeak and other irregular noises (such as hydraulic hoses rubbing on covers) and adjust as necessary.
- ⑨ Check for hydraulic fluid leaks.
- ⑨ Check the hydraulic fluid reservoir level and fill as necessary.
- ⑨ Check the headrest glide bar tension and adjust as necessary.
- ⑨ Check the swivel brake operation (if equipped) and adjust as necessary.
- ⑨ Check the armrest tension and movement (if applicable) and adjust as necessary.
- ⑨ Check the upholstery condition and recommend replacement as appropriate.
- ⑨ Check the tubing and wiring routing to ensure unobstructed movement and adjust as necessary.
- ⑨ Check for power button functionality, if equipped.

Delivery System

Notes

- ⑨ Check for damaged, brittle, or stiff handpiece tubing and recommend replacement as necessary.
- ⑨ Check the condition of handpiece coupler O-rings and advise on repair as necessary.
- ⑨ On the control block valve inspect the water flow control stem, water adjustment stem, air coolant flow control stem, or air coolant adjustment stem and O-rings. Lubricate O-rings and replace O-rings on loose adjustment knobs as necessary.
- ⑨ Check handpiece pressures and adjust to manufacturer's specification as necessary.
- ⑨ Check intraoral light source voltages (if equipped) and adjust as necessary to handpiece manufacturer's specification.
- ⑨ Continental delivery system only: check whip arm movement and adjust spring tension as necessary.
- ⑨ Check the handpiece holder bar tension (if applicable) and adjust as necessary.
- ⑨ Replace syringe O-rings and button-valve assemblies (p/n 90.1613.00), lubricate with A-dec silicone lubricant, and verify operation.

Delivery System (continued)

Notes

- ⑨ Check that the handpiece flush system and the valve are operating normally.
- ⑨ Check operation of air brake (if equipped) and tension of flexarm spring (if equipped) and adjust as necessary.
- ⑨ Check for oil or water accumulation in oil collector, replace gauze, and clean as necessary.
- ⑨ Replace the self-contained water bottle O-rings and lubricate O-rings with A-dec silicone lubricant.
- ⑨ Use the touchpad (if equipped) and foot control to check the operation of handpiece identification (if applicable) and activation.
- ⑨ Check that the delivery system is level and balanced. If the system drifts or does not hold position, adjust it starting with the lower arm and moving up to the control head.
- ⑨ Remove the syringe tip and use the syringe nut torque adaptor (p/n 23.1354.00) to torque the syringe nut, if applicable.
- ⑨ Check the tubing strain relief on the warm water syringe and handpiece tubing (if applicable). Secure the strain relief with the screw (p/n 002.094.02).

Foot Control

Notes

- ⑨ Check the condition of the foot control tubing.
- ⑨ Inspect the O-ring (030.012.00) and retaining ring (38.0237.00). Replace as necessary. Lubricate O-rings with A-dec silicone lubricant, and check for correct operation.
- ⑨ Replace the foot control components available in preventive maintenance kit 95.0593.00 as necessary.
- ⑨ Lever foot control only: clean or replace feet as necessary.
- ⑨ Check for loose screws and tighten as necessary. If the center screws are loose, replace them with new screws that have blue patch lock or apply Loctite® to them.
- ⑨ Check for chip air function if applicable.
- ⑨ Check for coolant water on/off toggle function.

Assistant's Instrumentation and Vacuum

Notes

- ⑨ Inspect vacuum tubing for damage or leaks and recommend replacement as necessary.
- ⑨ Check for damaged or brittle tubing and recommend replacement as necessary.
- ⑨ If the nut is loose or does not lock, replace syringe O-rings and button-valve assemblies (p/n 90.1613.00), lubricate with A-dec silicone lubricant, and verify operation.
- ⑨ Replace the HVE and saliva ejector O-rings, confirm that tailpieces are secure, lubricate with A-dec silicone lubricant, and verify proper operation.
- ⑨ Replace the HVE screen, O-rings in the vacuum canister, and tailpieces (preventive maintenance kits 90.1641.00 , 90.1642.00, and 90.1643.00). Lubricate with A-dec silicone lubricant and verify proper operation.
- ⑨ Inspect solids collector screen. Replace disposable screen or clean reusable screen and recommend replacement as necessary.

Assistant Instrumentation and Vacuum *(continued)*

Notes

- ⑨ Check amalgam levels and the operation of the amalgam separator (if equipped).
- ⑨ Check that a vacuum system cleaner is being used and advise on proper use as necessary.
- ⑨ Check the operation of the lower support arm and rear support link stop switch (if equipped).
- ⑨ Check the assistant's instrumentation arm level. If adjustment is required, start with the lower arm and move up to the holder bar.
- ⑨ Remove the syringe tip, then use the syringe nut torque adaptor (p/n 23.1354.00) to torque the syringe nut if applicable.

Dental Light

Notes

- ⑨ Check the operation of the on/off switch and the controls including the dental light auto on/off actuation by chair preset position controls if applicable.
- ⑨ Check all intensity/mode settings and controls.
- ⑨ Halogen lights only: ensure that the toggle switch is securely installed and tighten the retaining nut as necessary.
- ⑨ Check light handles to ensure they are securely attached.
- ⑨ Check light shield for cracks and wear. Replace as necessary.
- ⑨ Check the tension for each axis of rotational movement of light head assembly and adjust as necessary.
- ⑨ Check the spring tension for vertical movement of the light arm and adjust as necessary.
- ⑨ Check that rotation limit stops are in place and adjust as necessary.
- ⑨ Halogen lights only: check that a spare bulb is present.

Support Center/Cuspidor

Notes

- ⑨ Check for damaged or brittle tubing and recommend replacement as necessary.
- ⑨ Check the operation and timing of the cupfill and bowl rinse and adjust to customer preference as necessary.
- ⑨ Inspect the cupfill and bowl rinse spout O-rings, replace as necessary, and lubricate O-rings with A-dec silicone lubricant.
- ⑨ Clean and flush the drain, check for proper operation, and ensure that the drain vent is functional.
- ⑨ Check for leaks in the cuspidor drain line and advise on repair as necessary.
- ⑨ Check the cuspidor limit switch operation.
- ⑨ Check the level of the support center posts and adjust as necessary.
- ⑨ Ensure that the cuspidor does not impede chair movement, if applicable.
- ⑨ Check the lower support link / arm safety switch operation.

Floor Box

Notes

- ⑨ Replace air and water filters (p/n 24.0234.00) and filters screens (p/n 41.0004.00).
- ⑨ Check incoming air and water pressures and adjust as necessary.
- ⑨ Check for air and water leaks.
- ⑨ Check for damaged, brittle, or stiff tubing.
- ⑨ Check incoming air to ensure clean and dry air is being delivered to the delivery system.
- ⑨ Check the moisture separators at the floor box and compressor, and replace moisture separator filters as necessary.

Stool

Notes

- ⑨ Check caster rotation to ensure debris is not inhibiting movement.
- ⑨ Check the stool cylinder for leaks. Ensure that the rod is free of visible dirt/grease.
- ⑨ Check all stool seat, back/torso, and height adjustments to ensure proper operation.
- ⑨ Check armrest rotation and adjustments (if applicable) to ensure proper operation.
- ⑨ Check upholstery condition and recommend replacement as appropriate.
- ⑨ Inspect the covers to ensure proper fit and adjust as necessary.

Other

Notes

- ⑨ Check the monitor mount tilt tension and adjust as necessary.
- ⑨ Check the spring tension for vertical movement of the monitor mount arm (if equipped) and adjust as necessary.
- ⑨ Check all arm pivot points for correct tension and adjust as necessary.
- ⑨ Check the level of arms, delivery system, and trays and adjust as necessary.
- ⑨ Inspect and adjust fasteners as necessary.
- ⑨ Inspect the covers to ensure proper fit and adjust as necessary.
- ⑨ Touch up “through to metal” scratches with paint as necessary.

Review

Notes

- Review A-dec's *Equipment Maintenance Checklist* (p/n 86.0600.00) with the staff to ensure that routine maintenance is occurring as required. If the upholstery is damaged from cleaning chemicals, refer customer to A-dec's *Upholstery Maintenance Guide* (p/n 86.0501.00). Point out checklist items that you have just completed as part of this preventive maintenance.
- Review the customer's dental unit waterline maintenance protocol and most recent waterline test to ensure the CFU count was below action level. Refer to the *A-dec Waterline Maintenance Guide* (p/n 85.0983.00) to advise customer as necessary.
- Ensure the staff is aware of the location of all Instructions for Use for equipment.
- Report on any necessary repairs and provide quotes as required.
- If required, instruct the staff on correct maintenance and operation.

Doctor / Clinic: _____

Address: _____

Operatory: _____

Service Technician: _____

Service Date: _____

Reviewed with doctor / customer:

Signature and Date

Doctor / customer unavailable to review checklist

**Additional Comments /
Recommendations:**

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