



The Leader In Advanced Systems Integration
Advanced Dental Systems® & Advanced Endodontic Systems®
www.asimedical.net | (303) 766-3646

Preventative Maintenance

Annual and 3-5 Year Maintenance-Service Evaluation Check List

TG-PM-0003

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✓ Delivery Systems

- Verify handpiece pressure gauge is operational. Check for crack or air leaks. Replace, if needed (PN 95-0136).
- Run a handpiece and verify operation of water relay valve for opening and shutting off. Recommended replacement every 3-5 years (PN 95-0135).
- Test all handpieces for proper air pressure, water function. Using the stems on the control block, make adjustments. Replace control block diaphragms every 3-5 years (PN 95-0215).
- Check all gaskets in the handpiece tubing bulkheads. Replace every 3-5 years (PN 95-0208 and/or PN 95-0206).
- Inspect and replace handpiece tubing if worn, brittle, or hardened.
- Verify operation of auto holders that actuator ball freely moves in and out. Clean if necessary to remove any debris. Spray with weak solvent, such as WD-40, if necessary.

✓ Foot Pedal

- Lubricate O-rings and poppet valve using silicone grease (PN 95-0085).
- Install repair kit every 3-5 years (PN 95-0240 or 95-0094).
- Check water toggle for proper function. Replace, if needed (PN 95-0242).

✓ Closed Water System

- Turn air pressure toggle to ON. Verify closed water system gauge is operational. Check for cracks or air leaks. Replace gauge, if needed (PN 95-0266).
- Verify air pressure is 25-35 psi. If high or low, inspect inline regulator by pressing in on both ends. If pressure does not adjust within pressure setting, replace regulator (PN 95-0216).
- Replace water bottles annually (PN 95-0140QT for 38mm neck size -or- PN 95-0140 for 28mm neck size).
- Replace DentaPure disinfection cartridges annually (PN 95-0281).

✓ Air/Water Syringe

- Inspect tubing for wear, kinks and damage. Replace if needed every 3-5 years (PN 95-0213 [60" Length] -or- 95-0214 [50" Length]).
- Verify operation of air and water buttons and absence of leaks. Install syringe repair kit (PN 95-0089), if necessary. Recommended replacement every 1-3 years.

✓ Fiber Optics and Other Electric Instruments

- Check integrity of fiber optic tubing if worn, brittle or hardened. Inspect wires for break and proper connection to power pack. Replace tubing, fiber optic bulb, power pack, if needed.
- Check integrity of other electric instrument cords and repair or replace if jacket is worn or torn.
- Replace air electric switches, if included, every 3-5 years (PN 95-0137 [Normally Open] and PN 95-0138 [Normally Closed]).



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✓ **Optional Suction Instruments and Accessories**

- Inspect solids trap lid O-ring for wear. Lubricate using silicone O-ring grease (95-0085). Replace if needed (PN 95-0091L).
- Inspect solids trap housing for cracks. Replace, if needed (PN 95-0247 -or- PN 95-0175).
- Inspect all suction tubing for leaks or damage. Replace, if needed (HVE [PN 95-0287] -or- Saliva Ejector [PN 95-0288]).
- Replace suction lever O-rings and connector barb O-rings (PN 95-0040 and 95-4034).

✓ **Structural**

- Verify all doors, drawer hinges and latches are undamaged. Tighten fittings and lubricate, if needed.
- Cart Systems: Clean wheels and casters of all debris.
- Arm Systems: Adjust arm tension, if needed.
- Inspect and replace display overlays, if needed (PN 95-0260 -or- PN 95-0261).

✓ **For Umbilical Units Only**

- Verify air pressure from main air connection is 75-80 psi; adjust if needed. ASI units risk damage if air pressure is set too high and will void the warranty.

✓ **For Self-Contained Units Only - Vacuum Pump System**

- Empty sediment bowl per suction canister maintenance.
- Replace hose assembly/waste purge, peristaltic every 3-5 years (PN 95-0205 -or- PN 95-0334).
- Inspect all vacuum tubing and fittings for leaks or damage. Replace, if needed.
- Replace felt filter muffler (PN 95-0093).
- Install rebuild kit for vacuum pump every 5-10 years, if needed (PN 95-0068).
- Test for proper function of purge pump and motor. Replace, if necessary, every 3-5 years (PN 95-0293).
- Inspect exterior waste purge hose assembly. If worn, brittle, or hardened, replace every 3-5 years (PN 95-0306).

✓ **For Self-Contained Units Only - Internal Air Compressor System**

- Verify master regulator bowl is draining all moisture. Purge stored compressed air from unit. Unscrew bowl and inspect float, O-ring. Replace, if needed (PN 95-0178B).
- Inspect master air regulator for air leaks, proper function. Replace every 3-5 years, if needed (PN 95-0178).
- Inspect filter regulator setting and make sure it reads 75-80 psi, adjust, if needed.
- Inspect tubing and replace, if needed.
- Replace felt filter muffler (PN 95-0093).
- Install rebuild kit for compressor every 5-10 years, if needed (PN 95-0069).
- Inspect and clean check valve. Replace, if needed (PN 95-0108).
- Test Compressor pressure switch for proper function. Replace, if needed (PN 95-0264).