

6525-01-370-7552

Portable Dental X-Ray System, Model ALPHA MPDX

[B-Before Operation, D-During Operation, A-After Operation, Q-Quarterly, and S-Semiannually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	B	<p><b>X-Ray System</b></p> <p>a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.</p> <p>b. Inspect components for damage, discoloration, or excessively worn components.</p> <p>c. Verify the date on the Medical Equipment Verification/Certification sticker (DD Form 2163) is current.</p>	<p>Missing components or accessories prevent the operation of the x-ray system.</p> <p>Unserviceable components prevent the use of x-ray.</p> <p>The unit has not been verified within the last 12 months.</p>
2	B, D, A	<p><b>X-Ray System Operational Check Out</b></p> <p>a. Perform the "Assembly/Setup Procedure" as directed by the manufacturer's literature.</p> <p>b. Inspection after assembly as directed by the manufacturer's literature.</p> <p>(1) Ensure that all quick release pins are fully inserted and locked in place.</p> <p>(2) Ensure that all locking knobs are hand-tight (full clockwise position).</p> <p>(3) Verify the security of the cone installed on the x-ray control assembly.</p> <p>(4) Check security of all electrical connectors.</p> <p>(5) Verify that all labels are securely affixed and legible.</p> <p>(6) Thoroughly inspect the assembled x-ray system for tight fittings, possible missing parts (including the operation and maintenance manuals), frayed electrical cords, cracks, chips, excessive wear, or other signs of deterioration.</p> <p>(7) Using a lint-free cloth, remove any noticeable dirt or excess dust from the assembled unit.</p> <p>(8) Check x-ray head subassembly 1A2A1 in all working positions for possible drift.</p> <p>(9) Check scissor arm assembly 1A3 in all working positions for ease of motion.</p>	<p>The unit cannot be assembled.</p> <p>Knobs cannot be tightened sufficiently to prevent drift or to keep unit from falling.</p> <p>Loose connectors prevent the operation of the x-ray system.</p> <p>Loose fittings, missing parts, or frayed cords prevent operation of the x-ray system.</p> <p>X-ray head drift prevents the operation of the x-ray system.</p> <p>Scissor arm assembly is unable to hold position prevents the operation of the x-ray system.</p>

(continued) Appendix A. Operator PMCS

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		<p>c. Perform the pre-operational checkout procedure as directed by the manufacturer's literature.</p> <p>(1) Check the line power plug connection to the line power receptacle.</p> <p>(2) Check security of the electrical connection between x-ray control assembly 1A1 and x-ray unit.</p> <p>(3) Cover the cone port with lead shielding.</p> <p>(4) Position the tube head away from the x-ray unit mounting post (scissor arm assembly fully extended).</p> <p>(5) Set the rotary "TIMER" switch to 0.1 second.</p> <p>(6) While holding exposure switch, <b>STEP BACK FROM THE UNIT APPROXIMATELY SIX (6) FEET.</b></p> <p>(7) Depress and hold down the exposure switch. The x-ray Indicator light will illuminate and the buzzer will emit as audible tone. The exposure switch will automatically switch off when the time set on the "TIMER" switch expires.</p> <p>d. Perform routine cleaning as directed by the manufacturer's literature.</p>	<p>Improper fit prevents the operation of the x-ray system.</p> <p>Improper fit prevents the operation of the x-ray system.</p> <p>The unit does not shut off.</p>