

Repairer Preventive Maintenance Checks and Services

6525-01-325-3740
Portable X-Ray System, Model 1200

[M-Monthly, Q-Quarterly, S-Semiannually, and A-Annually]

| ITEM NO | INTERVAL | ITEM TO BE INSPECTED AND PROCEDURE | IS NOT MISSION CAPABLE IF: |
|---------|----------|---|--|
| 1 | S | <p>X-Ray System</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 unit for damage, discoloration, or excessively worn components.</p> <p>c. Verify assembly of unit as directed by the manufacturer's literature.</p> <p>d. Verify the electrical safety.</p> | <p>Missing components prevent the use of the X-Ray.</p> <p>Unserviceable components prevent the use of x-ray.</p> <p>The unit cannot be assembled.</p> <p>The x-ray system fails any of the electrical safety tests.</p> |
| 2 | M, Q | <p>Periodic Maintenance</p> <p>Perform the "Periodic Maintenance Schedule and Procedure" as directed by manufacturer's literature.</p> | The maintenance cannot be completed. |
| | M | a. Clean the unit. | |
| | Q | b. Visually inspect unit; check electrical cables and connectors for bent, broken, or loose pins, cracked or broken insulators, weak, broken or loose pin connections, dirt, and corrosion; repair as required. | |
| | Q | c. Verify that unit meets all of the pre-operational check out procedures. | |
| | Q | d. Tighten any loose hardware. | |
| | Q | e. Touch up paint, any scratches, chips or exposed metal. | |
| 3 | S | <p>Alignment, Adjustment, Calibration and Checkout Procedures</p> <p>a. Perform the "Alignment, Adjustment, Calibration and Checkout" procedures as directed by the manufacturer's literature:</p> <p style="margin-left: 20px;">(1) Line Voltage</p> <p style="margin-left: 20px;">(2) Line Set</p> <p style="margin-left: 20px;">(3) Calibration Set-Up</p> <p style="margin-left: 20px;">(4) mA/kVp Calibration</p> <p style="margin-left: 20px;">(5) Verify mA/kVp with 220 VAC/50Hz</p> <p style="margin-left: 20px;">(6) Timer Test Data</p> | The unit cannot be calibrated or verified as directed. |

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| | | <p>(7) Exposure Indication (8) Line Current (9) mAs Meter (10) Reproducibility (11) Half Value Layer (12) Leakage Test (13) Light Luminance (14) Beam Alignment (15) Final Step</p> <p>b. Update the Medical Equipment Verification/Certification label (DD Form 2163).</p> | <p>The unit has not been verified within the last 12 months.</p> |