SB 8-75-S8

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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NOTICE

This Supply Bulletin is devoted entirely to
Medical Maintenance Information

SECTION 1. PREVENTIVE MAINTENANCE CHECKS AND SERVICES

1-1. PREVENTIVE MAINTENANCE CHECKS AND SERVICES (PMCS)

a. The call for stringent application of PMCS procedures is issued throughout the Army Medical Department (AMEDD). Your vigilance is needed in following the required procedures in maintaining medical equipment. Medical equipment must be inspected and serviced systematically and periodically to ensure that it is ready for operation at all times. Inspection will reveal defects that can be corrected before they result in serious damage or failure.

b. Medical equipment will be maintained to 10/20 standards as published in equipment technical manuals (TMs) or to the operational standards published in the manufacturer's operator or service literature. In the absence of a TM, the standards established in Appendix A and Appendix B of this Supply Bulletin, in conjunction with the requirements of the manufacturer's literature, will be used.

c. Complete PMCS will be performed before placing Army equipment in administrative storage. When equipment is removed from storage, perform PMCS to ensure its operational readiness. Results of the equipment inspection will be documented on DA Form 2404, *Equipment Inspection and Maintenance Worksheet.* All discrepancies will be annotated with corrective action required and steps taken to correct the deficiency.

d. This *SB 8-75-S8* is used to update 10/20 standards for medical equipment and will include additional standards for reportable items and newly fielded medical equipment. Each new publication of *SB 8-75-S8* supersedes the previous year's edition. Equipment specific 10/20 PMCS and Maintenance Allocation Chart (MAC) updates will also be available through the Maintenance Directorate website at **www.usamma.army.mil/maintenance**. The 10/20 PMCS and MAC update is an ongoing project. New releases will be posted as they are developed.

e. *SB 8-75-S8* will be used when discrepancies are encountered with the 10/20 standards published in the equipment's TM. Standards published in the manufacturer's literature will take precedence over *SB 8-75-S8*.

1-2. OPERATOR LEVEL PMCS

a. Appendix A contains a list of tasks to be performed by unit level operator/user personnel. These PMCS tables are also referred to as "10 PMCS" requirements. Preventive maintenance by operator/user personnel is not limited to performing the checks and services listed in the tables. There are tasks the operator/user must do any time the equipment is used or stored, such as checking for general cleanliness, observing for improper operational indicators, and maintaining the proper quantities of operating supplies.

b. The following is a list of PMCS table column headings with a description of the information found in each column:

(1) Item Number. This column shows the sequence in which to do the PMCS, and is used to identify the equipment area on the DA Form 2404.

(2) Interval. This column shows when each PMCS item is to be serviced. B, D, and A should be performed with daily use of the equipment.

B – Before Operation	D – During Operation
A – After Operation	Q – Quarterly
S – Semiannually	

(3) Item to be Inspected and Procedure. This column identifies the general area or specific part to be checked or serviced.

(4) Equipment is not Mission Capable If. This column lists conditions that make the equipment unavailable or unusable.

c. When the equipment must be kept in continuous operation, check and service only those items that will not disrupt operation. Perform the complete daily checks and services when the equipment can be shut down.

d. Operator/user personnel will report problems with medical equipment discovered during their "10 PMCS" that they are unable to correct. Refer to TB 38-750-2, *Maintenance Management Procedures for Medical Equipment*, and report the deficiency using the proper forms. Consult with your unit's Medical Equipment Repairer if you need assistance.

e. Table 1-1 lists the "10 PMCS" standards located in Appendix A.

TABLE 1-1. 10 PMCS STANDARDS LOCATED IN APPENDIX A

NSN	EQUIPMENT NAME AND MODEL	PAGE
N/A	Generic Operator Standards	A-1
4110-01-117-3902	Refrigerator, Mechanical, Blood Bank, BBR37-SS-1B-01	A-2
4110-01-159-6922	Refrigerator, Mechanical, Blood Bank, 139875	A-4
4110-01-287-7111	Refrigerator, Solid State, Biological, DLA-50T	A-5
4110-01-287-7111	Refrigerator, Solid State, Biological, RCB42P	A-6
4110-01-352-3653	Refrigerator, Mechanical, Blood Bank, FT2TRBLB	A-7
6515-01-185-8446	Anesthesia Apparatus, Nitrous Oxide, 885A	A-8
6515-01-291-1199	Defibrillator ECG Monitor/Recorder, HP 43110MC	A-10
6515-01-453-4003	Defibrillator ECG Monitor/Recorder, LIFEPAK 10	A-14
6520-00-139-1246	Compressor Dehydrator, Dental, M5 Series	A-16
6520-01-272-4531	Dental Operating Unit, ADEC Model 3406 Porta-Cart	A-19
6520-01-333-5961	Operating and Treatment Unit, Dental, FUS336	A-21
6520-01-398-4613	Compressor Dehydrator, Dental, PAC 6.7	A-22
6525-01-099-2320	X-Ray Apparatus Field Dental, D3152	A-24
6525-01-303-6235	X-Ray Process Machine, AFP14X3MIL	A-25
6525-01-312-6411	X-Ray Apparatus, Radiographic/Fluoroscopic, CS-8952	A-26

(continued) TABLE 1-1. 10 PMCS STANDARDS LOCATED IN APPENDIX A

NSN	EQUIPMENT NAME AND MODEL	PAGE
6525-01-325-3740	Portable X-Ray System, 1200	A-29
6525-01-370-7552	Portable Dental X-Ray System, ALPHA MPDX	A-32
6525-01-384-9296	X-Ray Apparatus, LCROKS	A-34
6525-01-422-6122	X-Ray Processor with Daylight Loader, MM190	A-35
6530-00-926-2151	Sterilizer, Surgical Dressing 16X36 in., M-138	A-39
6530-01-327-0686	Ventilator, Volume, Portable, 750M	A-43
6530-01-374-8903	Portable Ventilator, 15304	A-45
6540-00-116-5780	Edging Machine Ophthalmic Lens, Horizon II	A-47
6630-01-300-8711	Analyzer, Sodium Potassium, 614	A-49
6630-01-316-5085	Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207	A-53
6630-01-364-8555	Analyzer, Blood Gas, 4300M	A-54
6630-01-376-9823	Analyzer, Clinical Chemistry, DT60	A-57

1-3. REPAIRER LEVEL PMCS

a. Appendix B contains a list of tasks to be performed by the unit level repairer. These PMCS tables are also referred to as “20 PMCS” requirements.

b. The following is a list of PMCS table column headings with a description of the information found in each column:

(1) Item Number. This column shows the sequence in which to do the PMCS, and is used to identify the equipment area on DA Form 2404.

(2) Interval. This column shows when each PMCS item is to be serviced: M – Monthly, Q – Quarterly, S – Semiannually, and A – Annually.

(3) Item to be Inspected and Procedure. This column identifies the general area or specific part to be checked or serviced.

(4) Equipment is not Mission Capable If. This column lists conditions that make the equipment unavailable or unusable.

c. When the equipment must be kept in continuous operation, check and service only those items that will not disrupt operation. Perform the complete daily checks and services when the equipment can be shut down.

d. The following list in Table 1-2 is the “20 PMCS” charts located in Appendix B. This Table identifies the NSN, the name and model of the equipment, and the page number.

TABLE 1-2. 20 PMCS CHARTS LOCATED IN APPENDIX B

NSN	EQUIPMENT NAME AND MODEL	PAGE
N/A	Generic Repairer Standards	B-1
4110-01-117-3902	Refrigerator, Mechanical, Blood Bank, BBR37-SS-1B-01	B-3
4110-01-159-6922	Refrigerator, Mechanical, Blood Bank, 139875	B-5
4110-01-287-7111	Refrigerator, Solid State, Biological, DLA-50T	B-6
4110-01-287-7111	Refrigerator, Solid State, Biological, RCB42P	B-7
4110-01-352-3653	Refrigerator, Mechanical, Blood Bank, FT2TRBLB	B-8
6515-01-185-8446	Anesthesia Apparatus, Nitrous Oxide, 885A	B-10
6515-01-291-1199	Defibrillator ECG Monitor/Recorder, HP 43110MC	B-11
6515-01-453-4003	Defibrillator ECG Monitor/Recorder, LIFEPAK 10	B-14
6520-00-139-1246	Compressor Dehydrator, Dental, M5 Series	B-19
6520-01-272-4531	Dental Operating Unit, ADEC Model 3406 Porta-Cart	B-21
6520-01-333-5961	Operating and Treatment Unit, Dental, FUS336	B-23
6520-01-398-4613	Compressor Dehydrator, Dental, PAC 6.7	B-25
6525-01-099-2320	X-Ray Apparatus Field Dental, D3152	B-26
6525-01-303-6235	X-Ray Process Machine, AFP14X3MIL	B-28
6525-01-312-6411	X-Ray Apparatus, Radiographic/Fluoroscopic, CS-8952	B-32
6525-01-325-3740	Portable X-Ray System, 1200	B-34
6525-01-370-7552	Portable Dental X-Ray System, ALPHA MPDX	B-36
6525-01-384-9296	X-Ray Apparatus, LCROKS	B-38
6525-01-422-6122	X-Ray Processor with Daylight Loader, MM190	B-41
6530-00-926-2151	Sterilizer, Surgical Dressing 16X36 in., M-138	B-42
6530-01-327-0686	Ventilator, Volume, Portable, 750M	B-43
6530-01-374-8903	Portable Ventilator, 15304	B-45
6540-00-116-5780	Edging Machine Ophthalmic Lens, Horizon II	B-48
6630-01-300-8711	Analyzer, Sodium Potassium, 614	B-49
6630-01-316-5085	Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207	B-50
6630-01-364-8555	Analyzer, Blood Gas, 4300M	B-51
6630-01-376-9823	Analyzer, Clinical Chemistry, DT60	B-52

1-4. MAINTENANCE ALLOCATION CHART (MAC)

a. Appendix C provides a general explanation of all maintenance and repair functions authorized at various maintenance levels.

b. The following is a list of MAC table column headings with a description of the information found in each column:

(1) Group Number. This column is a numerical group assigned to each assembly. The applicable assembly groups are listed in the MAC in disassembly sequence beginning with the first assembly removed in a top down disassembly sequence.

(2) Assembly Group. This column contains a brief description of the components of each assembly group.

(3) Maintenance Function. This column lists the various maintenance functions authorized to be performed. These maintenance functions are defined as follows:

(a) Inspect. To determine serviceability of an item by comparing its physical, mechanical, and electrical characteristics with established standards.

(b) Test. To verify serviceability and to detect electrical or mechanical failure using test equipment.

(c) Service. To clean, to preserve, to charge, and to add lubricants, cooling agents, and air. If it is desired that elements, such as painting and lubricating, be defined separately, they may be so listed.

(d) Adjust. To rectify to the extent necessary to bring into proper operation range.

(e) Align. To adjust specified variable elements of an item to bring it to optimum performance.

(f) Calibrate. To determine the corrections to be made in the readings of instruments or test equipment used in precise measurement. Consists of the comparison of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared with the certified standard.

(g) Install. To set for use in an operational environment such as tents or International Standards Organization shelters.

(h) Replace. To replace unserviceable items with serviceable like items.

(i) Repair. Those maintenance operations necessary to restore an item to serviceable condition through correction of material damage to a specific failure. Repair may be accomplished at each level of maintenance.

(j) Overhaul. Normally the highest degree of maintenance performed by the Army in order to minimize time work in process consistent with quality and economy of operation. It consists of that maintenance necessary to restore an item to completely serviceable condition as prescribed by a maintenance standard in technical publications for each item of equipment. Overhaul normally does not return an item to like new condition.

(k) Rebuild. The highest degree of material maintenance, it consists of restoring equipment as nearly as possible to new condition in accordance with original manufacturing standards. Rebuild is performed only when required by operational considerations or other paramount factors and then only at the depot maintenance level.

(4) Maintenance Level. This column indicates the lowest maintenance level authorized to perform the maintenance functions.

"C" is operator or crew	"O" is unit maintenance
"F" is direct support maintenance	"H" is general support maintenance
"D" is depot maintenance	

(5) Tools and Equipment. This column corresponds to tools and test measurement and diagnostic equipment (TMDE) listed in the chart in Appendix E.

(6) Remarks. This column is provided for information pertinent to the maintenance functions.

c. The following is a list of the MACs located in Appendix C.

TABLE 1-3. LIST OF THE MACS LOCATED IN APPENDIX C

NSN	EQUIPMENT NAME AND MODEL	PAGE
4110-01-117-3902	Refrigerator, Mechanical, Blood Bank, BBR37-SS-1B-01	C-1
4110-01-159-6922	Refrigerator, Mechanical, Blood Bank, 139875	C-3
4110-01-287-7111	Refrigerator, Solid State, Biological, DLA-50T	C-5
4110-01-287-7111	Refrigerator, Solid State, Biological, RCB42P	C-6
4110-01-352-3653	Refrigerator, Mechanical, Blood Bank, FT2TRBLB	C-7
6515-01-185-8446	Anesthesia Apparatus, Nitrous Oxide, 885A	C-10
6515-01-291-1199	Defibrillator ECG Monitor/Recorder, HP 43110MC	C-11
6515-01-453-4003	Defibrillator ECG Monitor/Recorder, LIFEPAK 10	C-12
6520-00-139-1246	Compressor Dehydrator, Dental, M5 Series	C-14
6520-01-272-4531	Dental Operating Unit, ADEC Model 3406 Porta-Cart	C-16
6520-01-333-5961	Operating and Treatment Unit, Dental, FUS336	C-18
6520-01-398-4613	Compressor Dehydrator, Dental, PAC 6.7	C-20
6525-01-099-2320	X-Ray Apparatus Field Dental, D3152	C-22
6525-01-303-6235	X-Ray Process Machine, AFP14X3MIL	C-24
6525-01-312-6411	X-Ray Apparatus, Radiographic/Fluoroscopic, CS-8952	C-28
6525-01-325-3740	Portable X-Ray System, 1200	C-31
6525-01-370-7552	Portable Dental X-Ray System, ALPHA MPDX	C-37
6525-01-384-9296	X-Ray Apparatus, LCROKS	C-39
6525-01-422-6122	X-Ray Processor with Daylight Loader, MM190	C-42
6530-00-926-2151	Sterilizer, Surgical Dressing 16X36 in., M-138	C-45
6530-01-327-0686	Ventilator, Volume, Portable, 750M	C-47
6530-01-374-8903	Portable Ventilator, 15304	C-49
6540-00-116-5780	Edging Machine Ophthalmic Lens, Horizon II	C-51
6630-01-300-8711	Analyzer, Sodium Potassium, 614	C-53
6630-01-316-5085	Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207	C-54
6630-01-364-8555	Analyzer, Blood Gas, 4300M	C-55
6630-01-376-9823	Analyzer, Clinical Chemistry, DT60	C-56

d. Appendix D contains the equipment parts and accessories list for each item of equipment. The following is a list of the items located in Appendix D.

TABLE 1-4. LIST OF PARTS AND ACCESSORIES LOCATED IN APPENDIX D

NSN	EQUIPMENT NAME AND MODEL	PAGE
4110-01-117-3902	Refrigerator, Mechanical, Blood Bank, BBR37-SS-1B-01	D-1
4110-01-159-6922	Refrigerator, Mechanical, Blood Bank, 139875	D-2
4110-01-287-7111	Refrigerator, Solid State, Biological, DLA-50T	D-3
4110-01-287-7111	Refrigerator, Solid State, Biological, RCB42P	D-4
4110-01-352-3653	Refrigerator, Mechanical, Blood Bank, FT2TRBLB	D-5
6515-01-185-8446	Anesthesia Apparatus, Nitrous Oxide, 885A	D-6
6515-01-291-1199	Defibrillator ECG Monitor/Recorder, HP 43110MC	D-9
6515-01-453-4003	Defibrillator ECG Monitor/Recorder, LIFEPAK 10	D-10
6520-00-139-1246	Compressor Dehydrator, Dental, M5 Series	D-11
6520-01-272-4531	Dental Operating Unit, ADEC Model 3406 Porta-Cart	D-12
6520-01-333-5961	Operating and Treatment Unit, Dental, FUS336	D-14
6520-01-398-4613	Compressor Dehydrator, Dental, PAC 6.7	D-16
6525-01-099-2320	X-Ray Apparatus Field Dental, D3152	D-17
6525-01-303-6235	X-Ray Process Machine, AFP14X3MIL	D-18
6525-01-312-6411	X-Ray Apparatus, Radiographic/Fluoroscopic, CS-8952	D-19
6525-01-325-3740	Portable X-Ray System, 1200	D-20
6525-01-370-7552	Portable Dental X-Ray System, ALPHA MPDX	D-21
6525-01-384-9296	X-Ray Apparatus, LCROKS	D-22
6525-01-422-6122	X-Ray Processor with Daylight Loader, MM190	D-24
6530-00-926-2151	Sterilizer, Surgical Dressing 16X36 in., M-138	D-26
6530-01-327-0686	Ventilator, Volume, Portable, 750M	D-27
6530-01-374-8903	Portable Ventilator, 15304	D-28
6540-00-116-5780	Edging Machine Ophthalmic Lens, Horizon II	D-29
6630-01-300-8711	Analyzer, Sodium Potassium, 614	D-30
6630-01-316-5085	Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207	D-31
6630-01-364-8555	Analyzer, Blood Gas, 4300M	D-32
6630-01-376-9823	Analyzer, Clinical Chemistry, DT60	D-33

e. Appendix E contains the tools and TMDE code listing for MACs.

Appendix A. Operator PMCS

Generic Standards

[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, A	Ensure that all supplies, reagents, and ancillary components necessary to operate the equipment or system are on hand.	Supplies, reagents, or ancillary components are missing.
2	B	Inspect for corrosion, rust, physically damaged parts, deteriorated materials, and damage to protective coatings.	Rust on outer surface parts determined by the Infection Control Nurse to be a health hazard.
3	B, A	Ensure the operator manual or documentation is on hand. Identify the location of such material if it is not packed with the equipment.	Operator manual is not readily available.
4	B, A	Verify that the equipment or system has no broken parts or accessories, i.e., switches, knobs, casters, plastic coverings, hoses, casings, etc.	Equipment is not functional due to broken parts.
5	B, D, A	Ensure that fluid levels, lubricants, physical limits or settings for operation are correct.	Levels are below those established in the TM or manufacturer's literature.
6	B	Verify date of last electrical safety test, PMCS, or CVC services from DA Form 2163 or other record (typically, annual inspection for patient care, laboratory and incidental use; semi-annual inspection for critical care and anesthetizing locations). If beyond designated period, arrange for CVC services.	Performance of CVC cannot be verified or CVCs are past due.
7	B, D, A	Verify operation of the equipment or system in accordance with published TMs and manufacturer's literature.	Equipment fails to operate according to TM or manufacturer's specifications.
8	B, D, A	Inspect for unusual operation, noises, leakage, or other unexpected results.	Noticeable fluid leaks or unexpected noises are detected.
9	A	Shut down equipment and clean and dry parts or components that were subjected to liquid contact.	Unit or components are not clean or dry.
10	A	Locate and store components, accessories, and operator documentation with the equipment or in appropriate location.	Items are not stored with the equipment or are not readily available.
11	B, A	Check the electrical power cord for cuts, fraying, or deterioration.	Electrical plug is missing a pin/blade or the cord insulation is cut through the outer coating.
12	B, D	Ensure that alarms and visual indicators are functioning properly.	Alarms and indicators are not functioning properly.
13	B, A	Inspect storage container for damage to case, hinges, latches, and seals.	Storage container will not latch or could leak.

(continued) Appendix A. Operator PMCS

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

[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, S	**Refrigerator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing parts or accessories preclude operation of the refrigerator.
		b. Check the electrical power cord for cuts, fraying, or deterioration.	The power cord is cracked or frayed, wires are not covered by the cord insulation, or the damage prevents the refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).
		c. Check for proper installation of the refrigerator in accordance with operating instructions.	There is insufficient clearance at the top and rear of the refrigerator that causes the compressor to overheat and the refrigerator will not maintain 36° - 40° F (2° - 4° C).
		d. Perform “Start-up” procedures in accordance with operating instructions.	Refrigerator fails to start-up.
2	B, S	**Monitor**	
		a. Check for broken, worn, or damaged switches, indicators, and displays on the control panel. Ensure the 9-volt standby battery (located on top of the monitor module rear protective/dust cover) is operational.	The monitor does not operate.
		b. Perform “Start-up” Procedures in accordance with operating instructions.	Monitor fails to start-up.
		c. Perform the “Surveillance Module” check out procedure in accordance with operating instructions.	Monitor does not display upper or lower solution temperatures.
		d. Perform the monitor check out procedure in accordance with operating instructions.	Safe lamp does not illuminate. Failure lamp and alarm do not operate when the BATTERY TEST switch is actuated.
		e. Perform “Door Position” check out procedure in accordance with operating instructions.	Alarm is not heard within 3 minutes +/- 30 seconds when door is held open continuously.
3	B, A, S	**Doors**	
		a. Verify that the doors close and seal properly.	Defective door gasket prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).
		b. Inspect the door hinges for loose or missing hardware.	Loose or missing hardware prevents refrigerator from operating or maintaining 36° - 40° F (2° - 4° C).

(continued) Appendix A. Operator PMCS

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

[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:
4	B, S	**Drawers** Ensure that the drawers are unobstructed and move freely. Inspect for dirt and other foreign substances.	Obstructed or damaged drawers prevent refrigerator doors from sealing.
5	B, S	**Temperature Recorder** Verify the operation of the temperature recorder.	Pen or temperature recorder is defective.
6	S	**Condensing Unit** Inspect condenser and condenser fan for damage and dust.	Refrigerator does not operate or maintain 36^{o} - 40^{o} F (2^{o} - 4^{o} C).
7	D	**Equipment Care** Ensure “Equipment Care” is conducted as directed by the manufacturer’s literature.	

(continued) Appendix A. Operator PMCS

4110-01-159-6922
Refrigerator, Mechanical, Blood Bank, Model 139875

[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	S	**Refrigerator** a. Ensure that a copy of the manufacturer's manual is on hand.	
		b. Inspect components, power cord, door gasket, etc. for damage, discoloration, and excessive wear.	The power cord is cracked, frayed or wires are not covered by the cord insulation.
2	B	**Installation and Operation** a. Installation of the refrigerator is conducted as directed by the manufacturer's literature.	
		b. Use the two leveling screws behind the base grille, on the front of the unit, to level the refrigerator.	
		c. Verify temperature of the refrigerator and freezer. Adjust temperature of refrigerator (lower section), allowing 24 hours for the temperature to settle before adjusting freezer section.	The refrigerator or freezer does not maintain set temperature.
		d. Select the mode of operation for the freezer, either manual defrost or "frost free."	
		CAUTION: NEVER CHANGE THE MODE FROM AUTOMATIC TO MANUAL WHEN THE EVAPORATOR FAN IS NOT RUNNING. EVAPORATOR FAN OPERATION CAN BE HEARD BY OPENING THE FREEZER DOOR.	
		e. Ensure that the power cord of this instrument is equipped with a three-prong (grounding) plug which mates with a three-prong (grounding) wall receptacle. Do not use a two-prong adapter plug.	The grounding prong is missing from the plug.
3	B, D	**Maintaining refrigerator** a. Verify the temperature is maintained.	The refrigerator or freezer will not maintain set temperatures.
		b. Defrost the freezer when frost becomes ¼" to ½" thick or thicker in any area of the refrigerator.	
		c. Cabinet cleaning	
		(1) The interior should be cleaned frequently as directed by the manufacturer's literature.	
		(2) The exterior of the cabinet should be cleaned occasionally as directed by the manufacturer's literature.	

(continued) Appendix A. Operator PMCS

4110-01-287-7111
Refrigerator, Solid State, Biological, Model DLA-50T

[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		**Refrigerator, Solid State, Biological**	
	B, A	a. Conduct an inventory to ensure that the components and accessories listed on the Parts and Accessories List are on hand.	
	B	b. Inspect the unit for dust, dirt, or damage. Inspect power cord for cracks or tears.	The power cord is cracked, frayed, or wires are not covered by the cord insulation.
	B	c. Verify that the door seal is serviceable.	The door does not seal.
	B	d. Verify that the door cover closes and latches properly.	The door cover does not close.
	B	e. Assemble the refrigerator power interconnections as directed in the manufacturer's literature. Ensure that the power source is correct.	
	B, S	f. Install the "Alarm Battery Pack" and test the "Alarm/Battery System" as directed in the manufacturer's literature.	The alarm red light does not blink or the sound signal will not beep.
	B	g. Start the operation of the refrigerator as directed in the manufacturer's literature.	The refrigerator cannot be started.
	B	h. Clean the refrigerator as directed in the manufacturer's literature.	
	A	i. Store the refrigerator as directed in the manufacturer's literature.	

4110-01-287-7111
Refrigerator, Solid State, Biological, Model RCB42P

[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		**Refrigerator, Solid State, Biological**	
	B, A	a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components preclude operation of the refrigerator.
	B	b. Inspect the unit for dust, dirt, or damage. Inspect power cord for cracks or tears.	Damage or deteriorated components prevent the operation of the unit, the power cord is cracked or frayed, or wires are not covered by the cord insulation.
	B	c. Assemble the refrigerator power interconnections as directed in the manufacturer's literature. Ensure the proper power source is correct.	The proper power connectors cannot be used.
	B	d. Verify that the hinges and catches are tightly fixed.	The hinges and/or catches are not functional.
	B	e. Verify that the lid seals.	The lid does not seal.
	B	f. Clean the refrigerator as directed in the manufacturer's literature.	
2	B	**DC – AC Operation**	
		Conduct the operating procedures as directed by the operator's manual.	The refrigerator cannot be started.

(continued) Appendix A. Operator PMCS

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	B	**Refrigerator** a. Ensure that a copy of the manufacturer's manual is on hand.	
		b. Inspect components for damage, discoloration, or excessively worn components.	The power cord is cracked or frayed or wires are not covered by the cord insulation.
2		**Operating and Maintaining the Refrigerator**	
	B	a. Ensure that a three-prong grounding plug is being used in an appropriate electrical outlet as directed by the manufacturer's literature.	Grounding prong is missing from plug.
	B	b. Ensure that the interior of the refrigerator has reached the set temperature and that the compressor has cycled at least three times before loading product into the cabinet.	The compressor fails to cycle or the refrigerator does not reach the required temperature.
	W	c. Clean the refrigerator as directed by the manufacturer's literature. Be sure the interior of the cabinet is cleaned with mild soap and rinsed with a warm baking soda solution. Dry thoroughly. **NOTE: Failure to dry thoroughly may result in the formation of mildew.**	

(continued) Appendix A. Operator PMCS

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

[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	**Anesthesia Unit**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent safe operation of the anesthesia unit.
		b. Inspect the components for damage, discoloration, or excessively worn parts.	Unserviceable components prevent use of the anesthesia unit.
		c. Verify the date on the Medical Equipment Verification/Certification sticker (DD Form 2163) is current.	The unit has not been verified within six months.
2		**Anesthesia Unit Operational Test**	
	B	a. Set up equipment as directed by the manufacturer's literature.	
	B	b. Inspect the lower case and control headstand for damage.	Damage to lower case or headstand prevents safe operation of the unit.
	B	c. Verify proper operation of the non-adjustable relief valve as stated in the manufacturer’s literature.	The non-adjustable relief valve does not open before the gauge needle reaches approximately 80 mm Hg.
	B	d. Verify proper operation of the breathing circuit pressure gauge as directed in the manufacturer’s literature.	The breathing circuit pressure gauge will not rest at zero +/- 1 mm Hg.
	B	e. Verify Leak Test Procedure Number 1 as directed in the manufacturer’s literature.	There is a leak greater than 100psi after five minutes for small cylinders or seven minutes for large cylinders
	B	f. Verify Leak Test Procedure Number 2 as directed in the manufacturer’s literature.	There is any flow of gas on any of the flow meters.
	B	g. Verify Leak Test Procedure Number 3A as directed in the manufacturer’s literature.	The pressure on the breathing circuit pressure gauge does not rise to more than 35 mm Hg.
	B	h. Verify Leak Test Procedure Number 3B as directed in the manufacturer’s literature.	The pressure on the breathing circuit pressure gauge does not rise to more than 35 mm Hg.
	B	i. Verify the proper operation of the scavenger valve as directed in the manufacturer’s literature.	The pressure on the breathing pressure gauge exceeds 3 mm Hg.
	B	j. Verify proper vaporizer operation as directed in the manufacturer’s literature.	The vaporizer fails any test in the vaporizer checkout procedure.

(continued) Appendix A. Operator PMCS

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

[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:
	B	k. Verify the preoperative checkout procedure as directed in the manufacturer's literature.	The anesthesia apparatus fails any test in the preoperative checkout procedure.
	B	l. Determine the effectiveness of the soda lime as directed by the manufacturer's literature.	The effectiveness of the soda lime is exhausted.
	A	m. Drain and clean the absorber system as directed in the manufacturer's literature.	The absorber cannot be drained and cleaned.
	A	n. Drain the anesthetic agent from the vaporizer.	The vaporizer cannot be completely drained.
3	B	**Oxygen Monitor Operational Test.**	
		Perform the preoperative checkout procedure as directed in the manufacturer's literature.	The oxygen monitor does not pass all the tests in the preoperative checkout procedure.

(continued) Appendix A. Operator PMCS

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[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, A	**Defibrillator & Monitor/Recorder Module**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	There are no patient cables, electrodes, recorder paper, or other items, which preclude safe operation.
		b. Inspect case, cables and connectors for damage. Inspect infrared (IR) link on outer case of defibrillator and monitor/recorder modules for cleanliness and damage.	Damaged or non-operational components preclude defibrillator, monitor, or recorder from operating safely.
		c. Inspect defibrillator paddles for cleanliness and deep pits.	The paddles are dirty or pitted.
		d. Verify that the Medical Equipment Verification/Certification sticker (DD Form 2163) has a current date (within six months).	The unit has not been verified within the last six months.
		e. Verify that the Defibrillator Energy Output Certificate (DA Label 175) has a current date (within six months).	The output has not been verified within the last six months.
2	B	**Monitor/Recorder Module Check Out**	
		a. Verify the function of the monitor controls as directed in the manufacturer's literature: (1) "Power On" key (2) "Power Off/Recharge" key (3) "ECG Source Lead Select" key (4) "ECG Source Paddles" key (5) "Alarms On/Off" key (6) "Alarms Off" indicator (7) "Select" key (8) "Beeper Volume" indicator (9) "ECG Size" indicator (10) "Hi Alarm Limit" indicator (11) "Low Alarm Limit" indicator (12) "Up Arrow" key (13) "Down Arrow" key (14) "Battery Charge" indicator	Any of the indicators fails to perform to manufacturer's specifications.

(continued) Appendix A. Operator PMCS

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[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:
		(15) “Low Battery” indicator	
		b. Verify the function of the following CRT screen messages as directed in the manufacturer’s literature:	Any of the indicators fails to perform to manufacturer’s specifications.
		(1) “ECG Source” indicator	
		(2) “Heart” indicator	
		(3) “Sync Marker” indicator	
		(4) “ERROR xx”	
		(5) “Low Battery”	
		(6) “Low Paper”	
		(7) “No Defib”	
		(8) “No Paper”	
		(9) “Play Alarm”	
		(10) “Play Begin”	
		(11) “Play End”	
		(12) “Play-Back”	
		(13) “Ready”	
		(14) “Record”	
		(15) “Stop”	
		(16) “Sync”	
		(17) “Sync Lost”	
		(18) “Use Leads”	.
		c. Verify the function of the following ECG memory controls as directed in the manufacturer’s literature:	Any of the indicators fails to perform to manufacturer’s specifications.
		(1) “Mode” key	
		(2) “REC” indicator	
		(3) “Stop” indicator	
		(4) “Play” indicator	
		(5) “Set” indicator	
		(6) “ECG Memory Bar-graph” indicator	
		(7) “Left Arrow” key	
		(8) “Right Arrow” key	

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[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:
		d. Verify the function of the following recorder controls as directed in the manufacturer's literature: (1) "Run/Stop" key (2) "1mV CAL" key	Any of the indicators fails to perform to manufacturer's specifications.
		e. Verify the function of the following strip-chart recorder messages as directed in the manufacturer's literature: (1) "Sync Marker" indicator (2) "Autogain xxx mm/mV" (3) "Charge" (4) "Disarm" (5) "Lead xxx" (6) "Paddles" (7) "Playback" (8) "Sync" (9) "xxx mm/mV"	Any of the indicators fails to perform to manufacturer's specifications.
		f. Perform the monitor/recorder module checks as directed in the manufacturer's literature.	The monitor/recorder module fails to perform to manufacturer's specifications.
		g. Clean the recorder print head as directed in the manufacturer's literature.	
3	B	**Defibrillator Module Check Out**	
		a. Verify the function of the following panel controls as directed in the manufacturer's literature: (1) "Power On/Disarm" key (2) "Power Off/Recharge" key (3) "Energy Select/Charge" keys (4) "Sync" keys (5) "Energy-Joules" display (6) "Low Battery" indicator (7) "Battery Charge" indicator (8) "Sync" indicator	The defibrillator module fails to perform to manufacturer's specifications.

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[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:
		(9) “Test” indicator	
		b. Verify the function of the following paddle controls as directed in the manufacturer’s literature:	The defibrillator module fails to perform to manufacturer’s specifications.
		(1) “Charge” button	
		(2) “Discharge” button	
		(3) “Charge Done” indicator	
		(4) “Adult Electrode Release”	
		c. Perform the defibrillator module checks as directed in the manufacturer’s literature.	The defibrillator module fails to perform to manufacturer’s specifications.
		d. Clean the exterior of the defibrillator/monitor recorder as directed in the manufacturer’s literature.	The defibrillator/monitor is not properly cleaned.
4	B, A	**“Every Shift” and “Every Week” Procedures**	
		Perform the “Every Shift” and “Every Week” procedures as outlined in the manufacturer’s literature.	The defibrillator module or monitor recorder module fails to perform to manufacturer’s specifications.

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

[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, A	**Defibrillator**	
		a. Conduct inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	FASTPAK batteries (unless AC auxiliary power module is in use) or ECG 3-lead cable are missing or damaged.
		b. Inspect case, cables, and connectors for function.	Damaged or inoperative components preclude operation.
		c. Inspect defibrillator paddles for cleanliness and deep pits.	Paddles are dirty or pitted.
		d. Verify that the Medical Equipment Verification/Certification sticker (DD Form 2163) and the Defibrillator Energy Output Certificate (DA label 175) have current dates.	The defibrillator or the defibrillator output has not been verified within the last six months.
2	B	**Testing**	
		a. Monitor/Recorder	
		Conduct the testing procedures as directed by the Operating Instructions.	Any of the monitor/recorder test procedures fail.
		b. Defibrillator	
		Conduct the testing procedures as directed by the Operating Instructions.	Any of the defibrillator test procedures fail.
		c. Synchronizer Function	
		Conduct the testing procedures as directed by the Operating Instructions.	Any of the synchronizer function test procedures fail.
		d. Quik-Pace Noninvasive Pacemaker	
		(1) Conduct the testing procedures as directed by the Operating Instructions.	Any of the “Quik-Pace” noninvasive pacemaker test procedures fail.
		(2) Inspect and test the pacing cable as directed by the Operating Instructions.	Any discrepancy is detected.
		e. Fast-Patch Adapter	
		(1) Conduct the testing procedures using “Quick Test Cable Tester” as directed by the Operating Instructions.	Any of the Fast-Patch adapter test procedures fail.

(continued) Appendix A. Operator PMCS

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

[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:
		(2) Conduct the testing procedures using patient simulator as directed by the Operating Instructions.	Any of the Fast-Patch adapter test procedures fail.
		f. 12 Lead ECG Adapter	
		Conduct the testing procedures as directed by the Operating Instructions	Any of the 12 lead ECG adapter test procedures fail.
3	Q	**Nickel-Cadmium Battery Maintenance**	
		a. Perform ”Battery Reconditioning” test in accordance with Operating Instructions.	The battery capacity is less than 80% after the third discharge.
		b. Perform “Battery Shelf Life” test in accordance with Operating Instructions.	The battery capacity is less than 80% after the third discharge or the battery has more than 20% difference between the third and forth discharge.
4	S	**Case**	
		a. Inspect for cracks, major dents, or puncture holes.	
		b. Verify that the door cover closes and latches properly.	

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

[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	**Compressor-Dehydrator**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts and Accessories List are on hand.	Missing hose assembly, which connects compressor to dental operating and treatment unit.
		b. Inspect the unit for any damaged or deteriorated hoses, tubes, cables, and other components.	Damaged or deteriorated components prevent operation of the unit.
		c. Inspect the unit for an excessive accumulation of dust or dirt. (Particular attention should be given to the intake silencer and fan guard.)	Unit overheats or does not operate.
2	B	**Installation and Preparation for Use**	
		a. Conduct the installation procedure.	
		b. Conduct the “Preparation for Use” procedure.	
		(1) Remove transit case from shipping carton.	
		(2) Unscrew pressure relief valve on transit case cover, release the 8 latches and remove transit cover.	
		(3) Check pressure gauge to be sure storage tank is not pressurized. If pressurized, release pressure by opening drain valve.	
		(4) Be sure tank drain valve is closed and set circuit breaker to “OFF.”	
		(5) Attach appropriate length of interconnecting hose from compressor to operating and treatment unit.	The interconnecting hose cannot be attached.
		(6) Connect power cable to 115 Volt, 60 Hz power source.	
		c. Conduct the operational checkout procedure.	
		CAUTION: DO NOT RESTRICT AIRFLOW THROUGH AIR INTAKE SILENCER.	
		NOTE: Do not draw any air from the compressor during the operational checkout procedure.	
		(1) While depressing red manual unloader tab on pressure switch, set ON-OFF circuit breaker to “ON.” Compressor motor and dryer cooling fan will energize.	The motor and fan do not energize.

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

[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:
		(2) Observe pressure gauge. Pressure should increase to 80psi in approximately 40 seconds. Compressor should stop, but cooling fan will continue to run.	The compressor does not stop.
		(3) Pressure should decrease to 60psi in approximately 31 seconds. During this time a hissing sound should be heard as purged air is discharged through the exhaust muffler indicating that the regeneration system is operating properly.	
		(4) When pressure decreases to 60psi compressor should start and run for approximately 8 seconds while pressure again increases to 80psi.	The compressor does not start.
		(5) At 80psi, compressor stops and cycle should repeat, (3) and (4) above.	The compressor does not stop or if the compressor does not start.
		(6) Check color of dryness indicator. If “blue,” compressor is ready for operation. If not “blue,” drying system should be regenerated before using compressor.	The humidity indicator is other than blue.
		(7) Rotate four transit cover supports so that they overlap edges of transit case at right angles. Place transit case on supports.	
3	B	**Air Storage Tank**	
		a. Verify that the tank does not leak by pushing the power switch to the “OFF” position and observing that the pressure holds at approximately 60psi for several minutes.	The tank cannot be pressurized or the tank leaks.
		b. Ensure that the hose(s) can be properly connected.	The hose(s) cannot be connected to the storage tank.
		c. Ensure pressure relief/drain valve opens and closes properly.	The valve cannot be opened or it leaks when closed.
4	S	**Case**	
		a. Inspect the case for signs of excessive wear.	The case cannot be used to store or ship the unit.
		b. Check the air relief valve.	The valve is inoperable, damaged, or missing.

(continued) Appendix A. Operator PMCS

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

[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:
5	B, D, A	**Pressure Gauge**	
		Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.	The damage prevents operation of the unit.
6	B, D, A	**Humidity Indicator**	
		a. Inspect for dents, a cracked or missing indicator cover, or the lack of any color indication.	The damaged indicator prevents operation of the unit.
		b. Ensure that the indicator is blue.	The humidity indicator is other than blue.

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

[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, A	**Dental Unit**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent operation of the dental unit.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the dental unit.
2	B	**Dental Unit Operational Test**	
		a. Ensure the unit is assembled by performing the equipment setup procedure as directed by the manufacturer's literature.	Missing components prevent the assembly of the unit.
		b. Verify the function of the controls according to the manufacturer's literature.	Broken controls prevent effective patient care.
		c. Prepare the dental unit for use according to the manufacturer's literature.	The dental unit does not maintain air pressure between 60 psi to 80 psi or water pressure between 30 psi to 40 psi.
		d. Verify the function of the syringe according to the manufacturer's literature.	The syringe does not pass water and/or air.
		e. Verify the function of the air vacuum system according to the manufacturer's literature.	The air vacuum system does not create sufficient vacuum.
		f. Verify the function of the water tank according to the manufacturer's literature.	The water tank cannot be pressurized.
3	B	**Dental Handpieces**	
		a. Adjust the maximum dynamic air pressure according to the handpiece manufacturer's literature.	The maximum dynamic air pressure cannot be reached for the particular manufacturer's handpiece.
		b. Adjust the water coolant flow according to the manufacturer's literature.	The handpiece coolant water cannot be adjusted.
4	A	**Dental Unit Care**	
		After each patient, clean and disinfect all surfaces to include the air vacuum system.	
5	A	**Dental Unit Shut Down**	
		Perform the "System Shut-Down" according to the manufacturer's literature.	
6	A	**Dental Unit Storage and Transportation**	

(continued) Appendix A. Operator PMCS

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

[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:
		a. Prepare the unit for storage or transportation according to the manufacturer's literature. b. Repack the unit according to the manufacturer's literature.	
7	B, A	**Storage Case** Inspect the storage case for cracks, dents, or broken latches.	

(continued) Appendix A. Operator PMCS

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

[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	**Dental Unit**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories list are on hand.	Missing components prevent the operation of the dental unit.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the dental unit.
2	B	**Dental Unit Operational Test**	
		a. Ensure the unit is assembled by performing the unpacking and assembly procedures in the manufacturer's literature.	The unit cannot be assembled.
		b. Verify the control functions according to the manufacturer's literature.	Unserviceable controls prevent operation of the unit.
		c. Prepare the dental unit for use according to the manufacturer's literature.	The dental unit does not maintain air pressure between 60 psi to 80 psi or water pressure between 30 psi to 40 psi.
		d. Verify the function of the syringe according to the manufacturer's literature.	The syringe does not pass water and air.
		e. Verify the function of the water tank according to the manufacturer's literature.	The water tank cannot be pressurized.
		f. Verify the function of the air vacuum system according to manufacturer's literature.	The air vacuum system does not create vacuum.
3	B, A	**Care of Unit**	
		a. Clean the surface of the unit as directed by the manufacturer's literature.	
		b. Disinfect unit as directed by the manufacturer's literature.	
		c. Clean the air vacuum system as directed by the manufacturer's literature.	
		d. Sterilize instruments as directed by manufacturer's literature.	
5	B, A	**Storage Case**	
		Inspect the storage case for cracks, dents, or broken latches.	Damage to the storage case prevents storage or transport of the dental unit.

6520-01-398-4613
Compressor Dehydrator, Dental, Model PAC 6.7

[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, D	**Compressor Dehydrator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing interconnecting air hoses, with appropriate connectors, which connect compressor to dental operating and treatment unit.
		b. Inspect the unit for any damaged or deteriorated hoses, tubes, cables, and other components.	Damaged or deteriorated components prevent operation of the unit.
		c. Inspect the unit for an excessive accumulation of dust or dirt. Ensure intake filter elements are clean and serviceable.	Intake filter elements are unserviceable.
		d. Inspect muffler on the water separator for serviceability.	
2	B, D	**Operational Checkout**	The unit fails to operate.
		a. Observe the pressure gauge.	Pressure does not increase to 80psi in approximately 40 seconds.
		b. Observe that the unloader valve switches and compressor vents to atmosphere.	The unloader valve does not switch or the pressure does not decrease to 60 psi.
		c. Observe that when pressure decreases to 60 psi the unloader valve switches back and compressor pumps for approximately 8 seconds to reach 80 psi.	The unloader valve does not switch or the pressure does not reach 80psi.
		d. Observe that the cycle repeats.	The cycle does not repeat.
		e. Verify that the dryness indicator is blue.	The dryness indicator is other than blue.
		f. Rotate the four transit cover supports. Place transit case cover on supports.	
3	B, D	**Air Storage Tank**	
		a. Inspect air tank for leaks, damage, or excessive rust.	Air tank leaks or damage or rust accumulation precludes operation.
		b. Inspect hoses and ensure that the hoses(s) can be properly connected.	The hose(s) cannot be connected to the storage tank.
		c. Ensure pressure relief/drain valve opens and closes properly.	The valve cannot be opened or it leaks when closed.
4	B, D, A	**Pressure Gauge**	
		Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.	The pressure gauge does not function.

(continued) Appendix A. Operator PMCS

6520-01-398-4613
Compressor Dehydrator, Dental, Model PAC 6.7

[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:
5	B, D, A	**Dryness Indicator**	
		a. Inspect for dents, a cracked or missing indicator cover, or the lack of any color indication.	The damaged indicator prevents operation of the unit.
		b. Ensure that the indicator is blue.	The dryness indicator is other than blue.
6	S	**Case**	
		a. Inspect the case for signs of excessive wear.	
		b. Check the air relief valve.	

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

[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	**X-Ray Apparatus Field Dental**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the dental unit.
		b. Assemble unit according to manufacturer's literature.	The unit cannot be assembled correctly.
		c. Inspect unit for damage. Inspect for tightness, rust, cracks, wear, fraying electrical cords, and cleanliness.	The damage prevents the operation of the unit.
		d. Check for tube head drift in all working positions.	Tube drift cannot be corrected by leveling the unit.
		e. Verify that the Medical Equipment Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last 12 months.
2	B	**Operational Check Out**	
		Perform "Line Adequacy Test" in accordance with manufacturer's literature.	The unit fails to perform.
3	A	**Repacking**	
		Disconnect unit from power and repack according to manufacturer's literature.	Unit is damaged or cannot be repacked.
4	B, A	**Case**	
		a. Inspect the case for signs of excessive wear.	The case cannot be used to store or ship the unit.
		b. Inspect gasket for damage or deterioration.	Gasket is not serviceable.

(continued) Appendix A. Operator PMCS

6525-01-303-6235

X-Ray Process Machine, Model AFP14X3MIL

[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		**X-Ray Processor**	
	B	a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the processor.
	B	b. Inspect the processor for obvious signs of damage such as cracks, dents, leaks or broken components.	The damage prevents operation of the processor.
	B, D	c. Perform the “Periodic Maintenance Checks” as directed in the manufacturer’s literature. (1) Weekly (2) Monthly	The processor does not meet the “Periodic Maintenance Checks.”
	B	d. Conduct the “Algae Control” procedure as directed in the manufacturer’s literature.	
	B	e. Conduct the ”Whenever Chemistry is Changed” procedure as directed in the manufacturer’s literature.	The solutions are contaminated.
	B	f. Lubricate the processor as directed in the manufacturer’s literature. (1) Weekly (2) Monthly (3) Quarterly (4) Semiannually (5) Every five years	The processor does not operate.

(continued) Appendix A. Operator PMCS

6525-01-312-6411

X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

[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, A	**X-Ray Apparatus**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the unit.
		b. Inspect unit for physical damage, rust, or excessively worn components.	Unserviceable components prevent the use of the unit.
		c. Verify that the Verification/Certification sticker (DD Form 2163) has a current date.	The x-ray apparatus has not been verified within the last 12 months.
2	B, A	**X-Ray Operational Test**	
		a. Perform daily pre-operational system check as directed by manufacture's literature.	
		NOTE: Ensure that personal protective apron, lead blockers, and suitable radiation protection measures are taken.	
		(1) Turn power on and adjust line set as needed.	The line adjustment cannot be accomplished.
		(2) Perform table check.	There are any malfunctions or unusual noises.
		(a) Press and hold the longitudinal switch on spot film device (SFD) until the tabletop reaches its limit of travel.	The tabletop does not move approximately 30" from its center position before it stops.
		(b) Press and hold the table longitudinal foot switch until the tabletop reaches its limit of travel.	The tabletop does not move approximately 30" from its center position before it stops.
		(c) Press and hold the table center switch until the tabletop stops.	The tabletop does not move to its center position from either of the above mentioned longitudinal positions, before stopping.
		(d) Press and hold the Trendelenburg tilt switch until the table reaches its maximum tilt and stops.	The table does not reach its maximum 12 degrees before stopping.
		(e) Press and hold the vertical tilt switch. The table should stop at the horizontal position. Release the switch, and press and hold the switch again. The table should rotate to its maximum tilt of 88 degrees, proving the tabletop is on "center."	The table does not reach center or if it does not rotate to 88 degrees.

[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:
		(f) Press and hold the Trendelenburg tilt switch until the table stops at horizontal. Release the switch.	The table does not reach horizontal position.
		(g) On the spot film device, disengage the carriage locks and the compression locks and move the spot film device in all directions.	The device requires more than 20 pounds of force to move it.
		(3) Perform the tube stand check	
		(a) Verify that the tube stand is energized by operating the locks and moving it through its various motions.	The locks do not work or if the tube stand cannot be moved into various positions.
		(b) Check the collimator to ensure that all lamps will light.	All lamps do not energize.
		(4) Perform the spot film device (SFD) check.	
		(a) Observe the spot film device for the presence of power. All push buttons should be lit.	The buttons are not lit.
		(b) Insert an empty 9” x 9” cassette into the SFD tunnel. Cycle the cassette carriage by pressing the PARK/LOAD switch. The carriage should alternate between its park and load positions.	The carriage does not alternate between park and load positions.
		(c) Verify that various pictorial representations can be set on the display (i.e., 2 on 1, 3 on 1, and 9 on 1).	The display does not indicate the correct selection or the cassette is not motor powered into the correct position.
		(5) Perform the warm-up procedure.	
		NOTE: Always perform the warm-up procedure no more than one hour before the first case of the day or if the system has been idle for one hour or longer.	
		(a) Warm up the over-table tube.	
		[1] Disable autotiming and close the collimator blades. Select 70 kVp, 100 mA, 1.0 second.	The selections cannot be made.
		[2] Warm up the over-table x-ray tube by making four (4) exposures at 15-second intervals.	The unit will not make the exposures.
		(b) Make a fluoroscopic exposure by performing the following steps:	Fluoroscopic exposures cannot be made.

Deleted:

[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] Press the 200L SPOT push button switch on the generator front panel.	
		[2] On the fluoroscopic controls section of the generator panel, select mA station B and rotate the “minutes” dial to the 5 (minute) position.	
		[3] Rotate the fluoroscopic kVp control until 70 kV is indicated on the fluoroscopic kVp meter. Ensure that the spot film device cassette carriage is in the park position.	
		[4] Place a suitable fluoroscopic kVp phantom on the tabletop in the in-beam position.	
		[5] Depress either the footswitch or x-ray push button on the spot film device.	
		[6] Observe the imaging system mirror. A sharp, clear x-ray image of the grid chamber mechanism should be displayed.	The unit does not produce a clear image.
		NOTE: Under-table (UT) shutters must always be visible and mechanically coned down as necessary.	
		[7] Place a 9” x 9” cassette into the SFD. (This should activate the system to make radiographic exposure). Locate the footswitch behind the operator barrier. Select an under table (UT) exposure of 70 kVp, 0.1 second. Depress footswitch, make fluoro exposure. From SFD location, make radiographic exposure.	The system will not transition from “fluoro” imaging to radiographic mode, with actual radiographic exposure.
		[8] Repeat above procedure with “Autotiming” set “ON.” Select “Table” and “Normal density.” Set radiographic exposure to about 50% more time than expected.	The system will not transition from “fluoro” mode to radiographic mode with exposure.
		NOTE: Phototiming failure does not deadline the system, but does reduce overall capability.	
		b. Clean x-ray unit as directed by the manufacturer’s literature.	

[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	**X-Ray System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the x-ray apparatus.
		b. Inspect unit for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the x-ray apparatus.
		c. Verify that the Medical Equipment Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last 12 months.
2	B	**X-Ray Operational Test**	
		a. Perform the “Assembly/Setup Procedure” as directed by the manufacturer’s literature.	The unit cannot be set up.
		(1) Remove reusable storage container from the wooden shipping crate, release leg clips.	
		(2) Open the reusable container.	
		(3) Remove the stand frame assembly, position on floor, engage rear wheel brakes, fold out legs and insert locking pins to frame/leg holes to lock legs.	
		(4) Remove the pipe assembly, lower section, and position locking handles down (to the horizontal unlocked position).	
		(5) Position the pipe assembly, lower section, with the gear rack toward the rear of the stand. Align the four "T" head bolts on the bottom of the pipe assembly, lower section with the four key-slots on the stand frame assembly. Lower into place, being sure the "T" bolts fit into the key-slots.	
		(6) Slide the pipe assembly, lower section, forward (approximately 1 inch) and lift, the two locking handles up (to the vertical locking position). Ensure that both locking clips fit into locking clip slots.	
		(7) Remove pipe assembly, upper section, from the reusable container.	
		(8) Position pipe assembly, upper section, locking handle to the up (unlocked) position.	
		(9) Position the pipe assembly, upper section, on top of the pipe assembly, lower section, with the rack gear facing the rear of the stand.	

[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:
		(10) Pull locking handle down (from the unlocked position) to the perpendicular position and rotate 90 degrees to the lock position, secure locking handle with spring clip. (11) Crank gearbox assembly up to a comfortable working height. (12) Remove cross arm assembly from side of stand frame assembly. (13) Press cross arm horizontal travel release brake and slide cross arm into gearbox assembly. (14) Lift x-ray generator assembly out of reusable container, remove safety pin, position x-ray generator yoke assembly into end of cross arm assembly, secure safety pin. (15) Lift control assembly out of reusable container. Position the control arm assembly on the stand bracket pull out on the end clips, and snap in to place. (16) Attach line cord to control assembly “LINE IN” connector, attach exposure switch cable to control assembly, “HAND SWITCH” connector and connect one end of the interconnect cable to the control assembly “LINE OUT” connector and the remaining end to the x-ray generator assembly connector. b. Verify the “Assembly Check Out” procedure as directed by the manufacturer's literature. (1) Verify that the stand foldout leg locks pins are installed. (2) Verify that the pipe assembly lower section locking handles are in the up position and that the handle locking clips are engaged. (3) Verify that pipe assembly upper section locking handle is in the locked position and the spring clip is engaged. (4) Verify that the x-ray generator safety pin is installed and locked. (5) Verify that the line cord, the exposure switch and the interconnect cable are properly installed.	The assembly cannot be accomplished.

[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:
		c. Perform pre-operational checkout procedures as directed by the manufacturer's literature. (1) Check power cord, and all interconnecting cables. (2) Verify that the 50/60 Hz switch is set correctly. (3) Turn on power switch; verify the correct line set. (4) Close the collimator shutters. (5) Select the 60kVp/40mA station. (6) Set timer for 0.1 seconds. (7) Step back from the unit with the exposure switch. (8) Press the exposure switch to the first position; verify the ready lamp goes off and on after about a one second delay. (9) Press for second trigger position; verify the x-ray on lamp and audio tone operate.	The checkout cannot be accomplished.
3	B, A	**Periodic Maintenance** a. Perform Operator Maintenance as directed by manufacture's literature. b. Inspect and clean the unit as directed by the manufacturer's literature.	The scheduled maintenance cannot be completed. The unit is unsafe or hazardous.

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	**X-Ray System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the x-ray system.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of x-ray.
		c. Verify the date on the Medical Equipment Verification/Certification sticker (DD Form 2163) is current.	The unit has not been verified within the last 12 months.
2	B, D, A	**X-Ray System Operational Check Out**	
		a. Perform the “Assembly/Setup Procedure” as directed by the manufacturer’s literature.	The unit cannot be assembled.
		b. Inspection after assembly as directed by the manufacturer’s literature.	
		(1) Ensure that all quick release pins are fully inserted and locked in place.	
		(2) Ensure that all locking knobs are hand-tight (full clockwise position).	Knobs cannot be tightened sufficiently to prevent drift or to keep unit from falling.
		(3) Verify the security of the cone installed on the x-ray control assembly.	
		(4) Check security of all electrical connectors.	Loose connectors prevent the operation of the x-ray system.
		(5) Verify that all labels are securely affixed and legible.	
		(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.	Loose fittings, missing parts, or frayed cords prevent operation of the x-ray system.
		(7) Using a lint-free cloth, remove any noticeable dirt or excess dust from the assembled unit.	
		(8) Check x-ray head subassembly 1A2A1 in all working positions for possible drift.	X-ray head drift prevents the operation of the x-ray system.
		(9) Check scissor arm assembly 1A3 in all working positions for ease of motion.	Scissor arm assembly is unable to hold position prevents the operation of the x-ray system.

[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:
		c. Perform the pre-operational checkout procedure as directed by the manufacturer's literature.	
		(1) Check the line power plug connection to the line power receptacle.	Improper fit prevents the operation of the x-ray system.
		(2) Check security of the electrical connection between x-ray control assembly 1A1 and x-ray unit.	Improper fit prevents the operation of the x-ray system.
		(3) Cover the cone port with lead shielding.	
		(4) Position the tube head away from the x-ray unit mounting post (scissor arm assembly fully extended).	
		(5) Set the rotary "TIMER" switch to 0.1 second.	
		(6) While holding exposure switch, **STEP BACK FROM THE UNIT APPROXIMATELY SIX (6) FEET.**	
		(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.	The unit does not shut off.
		d. Perform routine cleaning as directed by the manufacturer's literature.	

(continued) Appendix A. Operator PMCS

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

[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, D, A	**X-Ray Apparatus**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the x-ray.
		b. Inspect unit for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of x-ray.
		c. Verify that the Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last 12 months.
2	B	**X-Ray Operational Test**	
		Conduct “Operator Maintenance” as directed by manufacturer’s literature.	
		a. Check control panel for nicks, scratches, and/or dents.	
		b. Ensure proper seating of APR labels.	
		c. Inspect unit for all warning labels, serial tags, UL, and CSA tags.	The labels are missing, unreadable, or outdated.

6525-01-422-6122

X-Ray Processor with Daylight Loader, Model MM190

[B-Before Operation, D-During Operation, A-After Operation, W-Weekly, M-Monthly, AN-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	B	**Processor System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories list are on hand.	Missing components or accessories prevent the operation of the processor.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the processor.
2	B	**Installation of the Processor**	
		a. Install the processor as directed by the manufacturer's literature.	
		NOTE: Do not unpack the processor until a thorough inspection of the shipping container for evidence of damage has been conducted.	
		b. Uncrate processor, daylight loader assembly, brackets, hardware, and replenisher supply tanks as directed by the manufacturer's literature.	
		c. Position processor case on a flat, level surface as directed by the manufacturer's literature.	
		(1) Position and level the processor on Packing Case Number 1 as directed by the manufacturer's literature.	The processor not being level prevents operation.
		(2) Inspect all components at this time for visible shipping damage.	
		(3) Inspect tank and racks for loose parts.	
		d. Conduct the processor assembly as directed by the manufacturer's literature.	
		e. Conduct the daylight loader assembly as directed by the manufacturer's literature.	Light leaks prevent operation of the processor.
		f. Conduct replenishment set up as directed by the manufacturer's literature.	
		NOTE: The processor may be set up to operate its replenishment system in either "Replenish" or "Batch" mode.	
		g. Connect wash water system and drain.	
		h. Conduct processor inspection before adding chemicals.	

[B-Before Operation, D-During Operation, A-After Operation, W-Weekly, M-Monthly, AN-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		CAUTION: DO NOT POUR CHEMICALS INTO THE PROCESSOR TANKS UNTIL READING "Test Checkout With Water In Tank" IN THE MANUFACTURER'S LITERATURE.	
		i. Conduct the "Test Checkout With Water in Tank" procedure.	Rollers not moving smoothly, recirculation pumps are not operating, leakage to system, replenishment pumps not operating on demand, film feed system not operating, and/or developer temperature not correct.
		j. Conduct the "Transporting Film" procedure as directed by the manufacturer's literature.	
		(1) Check film feed switch operation.	The "WAIT" lamp does not stay on continuously, audible beeper does not sound, or processor does not stay on for approximately 4 minutes after the film feed switch is released.
		(2) Feed film in straight to check racks for drift or skewing.	The material does not feed though straight, it drifts, skews or wrinkles.
		(3) Check for operation of film dryer. Material processed in water alone may still be slightly tacky or damp when exiting the processor.	The dryer is not operating.
		k. Conduct the "Final Cleaning Before Operating" procedure.	
3	B	**Daily Start Up** a. Conduct "Processor ON, Fill Wash Tank" procedure as directed by manufacturer's literature.	
		CAUTION: ALWAYS INSPECT TO SEE THAT ALL DRAIN TUBES ARE PROPERLY POSITIONED AND DRAINING CORRECTLY. ALL TUBES MUST BE ROUTED IN A CONTINUOUSLY DOWNWARD DIRECTION, WITHOUT DIPS OR LOOPS THAT CAN CAUSE AIRLOCKS.	
		CAUTION: A KINK OR TWIST IN A DRAIN TUBE CAN CAUSE A SERIOUS CHEMICAL OR WATER SPILL IN THE PROCESSOR.	
		b. Conduct the "Check Developer and Fixer Levels" procedure as directed by manufacturer's literature.	

[B-Before Operation, D-During Operation, A-After Operation, W-Weekly, M-Monthly, AN-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		c. Conduct the “Check Drive” procedure as directed by manufacturer's literature. d. Read or be familiar with the “Processing Film/Daylight Loader Operation” section in the manufacturer’s literature. e. Conduct the “Shutdown and Daily Cleaning” procedure as directed by manufacturer's literature. (1) Drain wash tank (2) Clean top cover, guides and rollers (3) Wipe off processor	
4	D	**Quality Control** a. Developer activity can be monitored by use of pre-exposed control strips or by carefully monitoring the production work. b. Monitor fixer solution for film problems. (1) Exhausted fixer will usually result in dark streaks in the film's emulsion that may appear immediately after processing or may not appear until hours or even days after processing. (2) Exhausted fixer can also contribute to transport problems such as jams and will frequently prevent proper drying from taking place, resulting in sticky film surfaces. **NOTE: The general quality of the fixer can be determined by monitoring the pH of the chemistry. When pH is too high, films may jam in the wash tank and the dryer.** c. Read and/or be familiar with the “Replenishment” section in the manufacturer’s literature.	
5	B	**Maintenance Program** a. Perform daily maintenance as directed by the manufacturer's literature. (1) Clean as directed by the manufacturer's literature. (a) Developer rollers (b) Top covers, side panels (c) Feed tray, receiving bin	

[B-Before Operation, D-During Operation, A-After Operation, W-Weekly, M-Monthly, AN-Annually]

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(2) Check as directed by the manufacturer's literature. (a) Chemical levels (b) Replenisher levels	
	W	b. Clean as directed by the manufacturer's literature (1) Developer rack (2) Fixer rack (3) Wash rack (4) Wash tank (5) Tank exteriors	
	M	c. Perform monthly maintenance as directed by the manufacturer's literature. **NOTE: The monthly maintenance schedule should be performed before disassembly for transport or storage.** (1) Clean as directed by the manufacturer's literature: (a) Developer tank, circulation and replenishment system. (b) Fixer tank, circulation and replenishment system. (c) Wash tank, drain and overflow system. (2) Check as directed by the manufacturer's literature: (a) Hose clamps and plumbing. (b) Rack bearings. (c) Lubrication points.	
	AN	d. Yearly or after long-term storage should be as directed by the manufacturer's literature. **NOTE: Read and/or be familiar with the "Special Maintenance Notes" and "Information for Long Term Storage and Inspection" sections in the manufacturer's literature.** (1) Clean developer and fixer circulation pumps. (2) Check: (a) Drive belt. (b) Drive motor brushes. (c) Lubrication Points	

6530-00-926-2151

Sterilizer, Surgical Dressing 16X36 in., Model M-138

[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, A	**Sterilizer**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	The shelves are missing.
		b. Inspect the unit for obvious signs of damage such as cracks, dents, leaks, or broken components.	Gasket is torn, sight-glass is broken, or legs cannot be locked into their supporting position.
2	B	**Sterilizer Operational Check**	
		a. Ensure that the unit is set up and assembled properly as directed by the manufacturer's literature.	The sterilizer cannot be assembled properly.
		b. Remove the chamber drain-plug and inspect for lint and sediment from the strainer.	Built-up sediment cannot be removed and prevents the chamber from draining.
		c. Inspect and clean the interior surfaces of the chamber, with mild detergent and water, before heating. Clean the shelves in the same manner.	Chamber does not hold pressure.
		CAUTION: DO NOT USE STEEL WOOL OR ABRASIVE CLEANERS.	
		d. Inspect door and door gasket	Door does not seal.
		e. Inspect sight glass for mineral deposits.	Sight glass is broken or mineral deposits obscure water level in sight glass.
		f. Inspect fill washer.	Fill washer is missing.
3	B, D	**Electrical Operations**	
		Ensure that the frame of the sterilizer is adequately grounded before operating on electrical power as directed by the manufacturer's literature. Seek assistance from unit medical maintenance section if necessary.	Unit is not grounded.
4	B	**Sterilizer Jacket**	
		a. Turn operating valve to sterilize. This opens an escape route for trapped air.	
		b. Open drain valve to allow for a lower air escape route.	
		c. Fill jacket with water to about ½ mark.	Jacket cannot be filled with water.
		d. Close drain valve when water flows freely without burping.	
		e. Ensure that the water level viewed in the sight glass is at least at the ¼ mark as directed by the manufacturer's literature.	Jacket cannot be filled with water.

(continued) Appendix A. Operator PMCS

6530-00-926-2151
Sterilizer, Surgical Dressing 16X36 in., Model M-138

[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:
		WARNING: LIFT THE RELIEF HANDLE OF THE SAFETY VALVE OR TURN OPERATING VALVE TO THE DRY POSITION TO RELEASE ANY PRESSURE IN THE JACKET BEFORE REMOVING THE PLUG FROM THE FILLING FUNNEL. FILL THE STERILIZER JACKET WITH THE PUREST WATER AVAILABLE AND INSPECT FOR WATER LEAKS. ENSURE THE WATER IN THE SIGHT GLASS IS AT LEAST AT THE ¼ MARK.	Jacket leaks or cannot be filled with water.
		f. Verify operation of the pressure control switch knob. Turn the pressure control knob to the maximum clockwise position.	Pressure control switch does not operate.
		g. Verify operation of the operating valve. Ensure that the operating valve is in the OFF position.	Operating valve does not function.
		h. Turn the heat switch on and verify that the red pilot light is glowing.	Heating elements do not energize.
		i. Turn pressure valve fully counterclockwise to open the low-pressure relief valve.	
		j. When pressure reaches 18 – 20 psi, the low-pressure valve should release pressure.	Safety valve does not activate.
		k. Turn pressure relief valve fully clockwise to take the low-pressure valve out of the system.	
		l. Verify the increase in pressure and test the safety valve by depressing the safety lever.	Safety valve does not activate.
		m. When pressure reaches 27 – 32 psi, the high-pressure valve should release pressure.	Safety valve does not activate.
		n. Verify that the pressure gauge indicates the desired pressure of 18 psi for 250 degrees F or 29 psi for 270 degrees F.	Desired steam pressure cannot be reached or pressure gauge is faulty.
		o. Turn the pressure control switch knob slowly counterclockwise until the pilot light goes out. Verify that the pressure control cycles and maintains the selected pressure.	

[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:
		NOTE: A pre-heat period of 10 to 15 minutes is recommended to allow the pressure to stabilize. There are no markings or calibration on the pressure control switch since temperature is a function of absolute pressure rather than gauge pressure. Depending on altitude and atmospheric conditions, reaching 270° F may require between 27 and 32 psi gauge pressure. The pressure switch must be adjusted to the pressure, which will give the desired temperature.	Pressure control does not operate.
		p. Load the sterilizer and verify proper operation. **CAUTION: IN THE EVENT THAT WATER IN THE JACKET RUNS LOW, THE WATER CUT-OFF WILL INTERRUPT THE POWER SUPPLY TO THE HEATERS. IF THIS OCCURS, LIFT THE RELIEF HANDLE ON THE SAFETY VALVE TO RELEASE ANY PRESSURE IN THE JACKET BEFORE REMOVING PLUG FROM FILLING FUNNEL. WAIT UNTIL INTERNAL PARTS COOL BELOW THE BOILING POINT AND REFILL THE JACKET WITH WATER AND PRESS THE RESET BUTTON (LOCATED UNDER THE HEATER BOX). PROCEED WITH THE REGULAR OPERATING CYCLE FROM THE BEGINNING.**	
		q. Close the chamber door.	Door does not seal.
		r. Turn the operating valve to sterilize.	
		s. Let the chamber pressurize.	
		t. Check for leaks. The steam trap may stick open (rap with a solid object to release it).	Chamber leaks or trap fails to close.
		u. Set the timer.	
		v. Check that the pilot light cycles on and off.	
		w. Check that the chamber maintains pressure.	Desired pressure cannot be maintained.
		x. When the timer goes off, turn the operating valve to “DRY.”	Sterilizer chamber does not release pressure.
		y. Check that the pressure goes to about –5 psi for about 15 minutes before the pressure releases and the door can be opened.	Sterilizer chamber does not pull a vacuum.
5	B, D	**Gasoline Heat**	

(continued) Appendix A. Operator PMCS

6530-00-926-2151

Sterilizer, Surgical Dressing 16X36 in., Model M-138

[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:
6	B, D	**Note: No longer authorized for Department of the Defense use.** **Direct Steam Operation** a. Conduct direct steam operation as directed by TM 8-6530-004-24&P. b. Load the sterilizer and verify proper operation. **WARNING: TO PREVENT POSSIBLE INJURY TO PERSONNEL RESULTING FROM BURSTING BOTTLES AND HOT FLUID, USE ONLY BOROSILICATE (PYREX) FLASKS WITH VENTED CLOSURES FOR STERILIZING LIQUIDS.**	Sterilizer does not operate.

(continued) Appendix A. Operator PMCS

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

[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, D, A	**Ventilator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the ventilator.
		b. Inspect hoses, fittings, and regulators for cracks, crimps, leakage, discoloration, damaged connector fittings, or general wear.	Unserviceable components prevent safe use of ventilator.
		c. Verify that the Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last six (6) months.
2	S	**Case**	
		Inspect for wear, loose or missing hardware, and cracks.	The unserviceable case prevents protective storage or movement.
3	B, A	**Ventilator Operational Test**	
		Ensure that the unit is properly assembled, by performing the unpacking and assembly procedures in the manufacturer's literature.	The unit cannot be assembled.
		a. Multivoltage power supply	
		(1) Check the power supply for worn, cracked, or exposed electrical wires and connectors as directed by the manufacturer's literature.	The unit does not operate, or an electrical hazard exists.
		(2) Verify that the “External Power” indicator lamp illuminates when using an external power source as directed by the manufacturer's literature.	The multivoltage power supply is inoperable.
		b. Patient valve	
		Check for cracks, leakage, discoloration, and general wear as directed by the manufacturer's literature.	The patient valve is inoperable, malfunctioning, or endangers the patient.
		c. Control module	
		(1) Check for tactile feel and operation of all controls as directed by the manufacturer's literature.	Any control is inoperable.
		(2) Verify completion of self-test as directed by the manufacturer's literature.	Any portion of the self-test fails or aborts.
		(3) Verify transducer calibration as directed by the manufacturer's literature.	Transducer fails calibration test.

[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:
		(4) Verify the “Modes of Operation” as directed by the manufacturer's literature.	Ventilator fails to operate in any mode of operation.
		(a) Verify the “Control Ventilation – With/Without SIGH – With/Without PEEP” as directed by the manufacturer's literature.	
		(b) Verify the “Assist-Control Ventilation – With/Without SIGH – With/Without PEEP” as directed by the manufacturer's literature.	
		(c) Verify the “Synchronized intermittent mandatory ventilation (SIMV) – With/Without SIGH – With/Without PEEP” as directed by the manufacturer's literature.	
		(d) Verify the “Assist-Control Backup During Apnea – With/Without SIGH – With/Without PEEP” as directed by the manufacturer's literature.	
		d. Battery	
		(1) Test the control module for proper operation using the internal battery as directed by the manufacturer's literature.	The discharged battery causes an alarm condition.
		(2) Check for a battery alarm condition as directed by the manufacturer's literature.	The discharged battery causes an alarm condition.

(continued) Appendix A. Operator PMCS

6530-01-374-8903
Portable Ventilator, Model 15304

[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	**Ventilator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components and accessories prevent the operation of the ventilator.
		b. Inspect hoses, fittings, and regulators for cracks, crimps, leakage, discoloration, damaged connector fittings, or excessive wear and tear.	Unserviceable components and accessories prevent the use of the ventilator.
		c. Verify that the Medical Equipment Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last six (6) months.
2	B, A	**Case**	
		Inspect for wear, loose or missing hardware, and cracks.	The unserviceable case prevents the protective storage or movement.
3	B, A	**Ventilator Operational Test**	
		NOTE: Before using the Bird Avian Portable Ventilator, the user should read and understand all warnings and cautions in manufacturer's literature.	
		a. Ensure the unit is properly assembled, as directed by the manufacturer's literature.	Missing components and accessories prevent the operation of the ventilator.
		b. Conduct the performance check as directed by the manufacturer's literature.	The ventilator fails the performance check.
		(1) Conduct the internal self test as directed by the manufacturer's literature.	The self-test detects a failure, and a CPU failure alarm activates.
		(2) Set up the unit using the “Test Settings.”	
		(3) Conduct the tests as directed by the manufacturer's literature.	
		(a) Set “PEEP Valve” to 10 cm H_2O.	The test does not continue at 12 bpm.
		(b) Press “P_{aw}” button to display the airway pressure.	The airway pressure drops more than 5 cm H_2O over a 20-second period.
		(c) Set the Breath Rate to 12 bpm.	The unit does not return to a 12 bpm breath rate.
		(4) Conduct the “Alarm Test Procedures” as directed by the manufacturer's literature.	

[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:
		(a) Using an external power supply, disconnect the power cord from the electrical outlet.	The audible/visual “External Power Low/Fail” alarm does not activate or the ventilator does not continue to operate using the internal battery.
		(b) Reconnect the power supply cord to the electrical outlet to deactivate alarm.	
		(c) Lower the “High Pressure Alarm” setting to 5 cm H_2O below the “PIP” reading.	The audible and visual “High Peak Pressure” alarms do not activate or the inspiration does not terminate.
		(d) Disconnect the test lung from the patient valve.	The audible and visual “Low Pressure” or “Disconnect” alarms do not activate.
		(e) Adjust the “Inspiratory Time/Tidal Volume” control to the maximum setting of 3.0 seconds.	The audible and visual “I:E Ratio” alarms do not activate immediately.
		(f) Adjust the mode control to the “Assist/Control Mode.”	After a 20-second interval has elapsed, the audible and visual “Apnea Backup” alarms do not activate or the unit does not deliver a “Controlled” breath.
		(g) With the “Mode” control at the “Assist/Control” setting, adjust the “Manual PEEP Reference” control to zero. Adjust the removable “PEEP” valve at the patient valve to 5 cm H_2O.	The audible and visual “PEEP Not Set” alarms do not activate.

6540-00-116-5780

Edging Machine Ophthalmic Lens, Model Horizon II

[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, A	**Edging Machine** a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the edging machine.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the edging machine.
2	B	**Installation Procedures** **NOTE: These procedures should be followed in sequence, as the proper completion of a given step may depend on the one previous to it.** a. Prepare the bench as directed by the manufacturer's literature. b. Unpack the edger and vacuum as directed by the manufacturer's literature. c. Remove the carriage bolts as directed by the manufacturer's literature. d. Attach the vacuum system as directed by the manufacturer's literature. e. Attach the compressed air line as directed by the manufacturer's literature. f. Make the electrical connection and checks as directed by the manufacturer's literature.	
3	B	**Periodic Maintenance** **NOTE: Be familiar with the control panel as directed by the manufacturer's literature.** a. Daily maintenance: (1) Clean the interior as directed by the manufacturer's literature. (2) Drain the air filter as directed by the manufacturer's literature. (3) Check the air pressure as directed by the manufacturer's literature. (4) Check the Teflon ring as directed by the manufacturer's literature.	

6540-00-116-5780

Edging Machine Ophthalmic Lens, Model Horizon II

[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:
		(5) Check the height of the bevel guide wheel as directed by the manufacturer's Literature. (6) Check the o-ring in the lens clamp as directed by the manufacturer's literature. b. Every 300 to 500 cycles change the vacuum bags as directed by the manufacturer's literature. c. Every 500 edges change the cutter inserts as directed by the manufacturer's literature. d. Every two weeks clean the cutter motor as directed by the manufacturer's literature. e. Monthly inspect the cutter motor brushes for wear as directed by the manufacturer's literature f. Every 2500 edges or 30 days, which ever comes first, inspect both the lens and pattern clamp assemblies for wear as directed by the manufacturer's literature.	

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

[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	**Analyzer, Sodium Potassium**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing or expired components or accessories prevent operation of the analyzer.
		b. Inspect the unit for dust, dirt, or damage. Refer to the operation description of controls, circuit breaker, connector, and indicators in the manufacturer's literature and ensure all are operational.	Damage or deteriorated components prevent the operation of the unit.
		c. Verify that the Medical Equipment Verification/Certification label (DD Form 2163) has a current date.	The unit has not been verified within the last six (6) months.
2	B	**Installation**	
		a. Position the analyzer on a level bench—away from direct sunlight and drafts. The operating temperature range is between 10° C and 35° C (50° F and 95° F). The analyzer needs approximately 450 x 450 mm (18 x 18 in) of bench space.	The unit cannot be positioned to meet the required parameters.
		b. Conduct the following steps as directed in the manufacturer's service manual:	
		(1) Install the Na+ and K+ electrodes.	The electrodes are expired or cannot be installed in unit.
		(2) Install the reference electrode.	The electrodes are expired or cannot be installed in unit.
		(3) Perform the "Tensioning the Pump Tube Cassette" procedure.	The pump tube cassette is loose or damaged.
		(4) Install the reagents.	The reagents are expired or cannot be installed in unit.
		(5) Perform the "Fitting the Printer Ribbon Cassette" procedure.	The ribbon cassette will not install.
		(6) Perform the "Selecting Voltage" procedure.	The proper voltage cannot be selected.
		(7) Position the "Operator's Guide" to the right of the analyzer.	
3	B	**Power Up Routine**	
		Verify the following steps as directed by the manufacturer's "Instruction Manual":	

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

[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:
		a. Power up unit.	The line cord is damaged or missing. The voltage selector will not change, is damaged, or is missing fuses. The unit does not power on or characters do not appear in display.
		NOTE: If the power has been disconnected for less than 30 minutes, the analyzer will retain all previously selected data settings. The instrument will standardize and display "ANALYZE BLOOD?"—Refer to menu routing map in the manufacturer's literature.	
		b. Select "Language."	Unable to select language.
		c. Set "Date and Time."	Unable to set time and date.
		d. Select "Analysis."	Unable to select choice of measurement channels.
		e. Perform "Correlation Adjust."	Unable to change the correlation.
		f. Set "Reference Ranges."	Unable to set reference ranges.
		g. Set "QC Prompts."	Unable to set QC prompts.
		h. Set "QC Limits."	Unable to set QC limits.
		i. Set the "Standardization Mode."	Unable to set the calibration mode.
		j. Set the "Print Option."	Unable to set the print mode.
		k. Set the "Security Option."	Unable to set the security options.
		l. Perform the "Conditioning Routine."	Unable to condition analyzer.
4	B	**Operating Instructions** Conduct the operation of the unit as directed by the "Instruction Manual."	Any of the operations cannot be performed.

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

[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:
		a. Verify proper menu routing as directed in the instruction manual. b. Measure a blood, serum or plasma sample as directed in the instruction manual. c. Measure a urine sample as directed in the instruction manual. d. Measure or flush a sample containing a bubble as directed in the instruction manual. e. Manually standardize the unit as directed in the instruction manual. f. Recall the last result as directed in the instruction manual. g. Measure a QC sample as directed in the instruction manual. h. Shutdown the unit as directed in the instruction manual.	Unable to select all modes of operation.
5	B	**Precautions and Hazards** a. Verify the operating precautions as directed by the manufacturer's instruction manual. b. Avoid the hazards cited in the manufacturer's instruction manual. c. Conduct the sample handling and collection procedures as directed in the instruction manual.	
6	B, Q	**Maintenance** a. Conduct the "Check/Service Menu Map" procedure as directed by the manufacturer's instruction manual. b. Conduct general maintenance and cleaning as directed by the manufacturer's instruction manual. c. Conduct scheduled maintenance as directed by the manufacturer's instruction manual.	Unable to access a mode or verify an operation.
	B	(1) Daily Maintenance:	

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

[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:
		(a) Check levels of calibrants and replace with new “Cal-Pak” if necessary. “Cal-Pak” will probably need replacing once a week.	Unable to replace calibrants, damaged or missing components.
		(b) Check that the probe is straight and centered over the weir when in the closed position.	Unable to realign or replace.
		(c) Wipe the sample area, calibrant compartment and the external surfaces with clean tissues moistened with 2% activated glutaraldehyde solution.	
		(d) Clean the weir cover with clean tissues moistened with 2% activated glutaraldehyde solution.	
	Q	(2) Three monthly (quarterly) maintenance:	
		(a) Disinfect the unit as directed by the manufacturer’s instruction manual.	
		(b) Replace the weir cover, if necessary, as directed by the manufacturer’s instruction	
		(c) Replace the pump tube cassette, and clean and lubricate the roller assembly as directed by the manufacturer’s instruction manual.	
		(d) Replace the reference electrode cassette (not the inner electrode) as directed by the manufacturer’s instruction manual.	
		(e) Check Na+ and K+ electrode fill solution and refill the electrodes, if necessary, as directed by the manufacturer’s instruction manual.	

(continued) Appendix A. Operator PMCS

6630-01-316-5085
Centrifugal Hematology Analyzer System with
QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207

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**	**Centrifugal Hematology Analyzer System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the unit.
		b. Inspect each unit for dust, dirt, or damage. Refer to the “Operation Description” of controls, circuit breaker, connector and indicators in the manufacturer’s literature and ensure all are operational. Inspect the collection canister for damage.	Damage or deteriorated components prevent operation of the unit.
		c. Verify the Medical Equipment Verification / Certification sticker (DD Form 2163) has a current date.	The sticker is missing and/or date is not current.
2	**B**	**Installation Procedures and Special Requirements.**	
		Perform installation procedures in accordance with manufacturer’s literature.	The unit cannot be installed in accordance with manufacturer’s literature.
3	**B, D**	**Operational Check Out**	
		a. Perform “Reader self-test sequence” procedures in accordance with manufacturer’s literature.	The unit fails to perform in accordance with operator’s literature.
		b. Reader start-up procedures. Perform installation procedures in accordance with manufacturer’s literature.	The unit fails to perform in accordance with operator’s literature.
		c. Perform “Centrifuge cleaning” procedures in accordance with manufacturer’s literature.	The unit fails to perform in accordance with operator’s literature.
		d. Perform “Visual Inspection” procedures in accordance with manufacturer’s literature.	The unit fails to perform in accordance with operator’s literature.
		e. Perform “Timer Accuracy” check in accordance with manufacturer’s literature.	The unit fails to perform in accordance with operator’s literature.
4	**B**	**Daily Calibration Checks, QBC II**	
		Perform daily calibration checks as directed in the manufacturer’s literature.	Unable to complete or unit fails the daily calibration checks.

(continued) Appendix A. Operator PMCS

6630-01-364-8555
Analyzer, Blood Gas, Model 4300M

[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, A	**Analyzer, Blood Gas (GEM Stat)**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the unit.
		b. Inspect the unit for any damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the unit.
		c. Verify that the Medical Equipment Verification/Certification label (DD Form 2163) has a current date.	The unit has not been verified within the last 12 months.
2	B	**Preparation and Operational Check Out**	
		a. Perform the following procedures to prepare the blood gas analyzer for operation as indicated in the manufacturer's literature:	The unit fails to perform correctly.
		(1) Preparing the GEM Stat for operation.	
		(2) Inspecting GEM Stat components.	
		(3) Installing printer paper.	
		(4) Summary of operation.	
		(5) Setting the time and date.	
		(6) Setting the other GEM Stat options.	
		(7) Inserting the GEM Stat.	
		b. Perform the following procedures to verify the analyzer's performance as indicated in the manufacturer's literature:	The unit fails to perform correctly or fails calibration.
		(1) Check the analyzer's performance.	
		(2) Calibrate.	
		(a) Detecting calibration failures	
		(b) Correcting calibration failures	
		(c) Checking value limit	
		(3) Ensure quality control.	
		(a) QC frequency	
		[1] State QC requirements	
		[2] Federal QC requirements	

6630-01-364-8555
Analyzer, Blood Gas, Model 4300M

[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:
		(b) Verifying analyzer's performance (c) Interpreting the QC results	
3	B	**Operation** Conduct the operating procedures as directed by the Operator's Manual and Comprehensive Service Manual. a. Running a sample. (1) Collect the blood sample. (2) Analyze the sample. b. Retrieving Information. (1) Duplicate the printout of the last sample. (2) Determine cartridge status. (3) Print all samples run on a cartridge. (4) Print all quality control samples run on a cartridge. (5) Print all samples run on one day on a cartridge. (6) Print the most recent calibration statistics. (7) Printing All Calibration Statistics for a Cartridge c. Using other Gem Stat functions (1) Enter and Exit standby mode (2) Initiate a two-point calibration (3) Remove the Gem Stat "Pak" cartridge (4) Turn the Gem Stat off	
4	B, A	**Maintenance** Conduct the Gem Stat maintenance and storage as directed by the manufacturer's operator's manual.	

6630-01-364-8555
Analyzer, Blood Gas, Model 4300M

[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:
		a. Clean the instrument.	Any indication of leakage in the sensor heater block.
		b. Clean or change the filter.	The filter is missing or unserviceable.
		c. Store the Gem Stat.	

(continued) Appendix A. Operator PMCS

6630-01-376-9823
Analyzer, Clinical Chemistry, Model DT60

[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	**Analyzer, Clinical Chemistry**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the unit.
		b. Inspect the unit for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the unit.
		c. Verify that the Verification/Certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last six (6) months.
2	B, D	**Installation**	
		a. Set up equipment as directed by the manufacturer's literature.	
		b. Check power source and plug the analyzer in as directed by the manufacturer's literature.	
3	B, D	**Operating Instructions**	
		a. Perform startup procedures as directed by the manufacturer's operator's manual.	The unit cannot be assembled or will not start up properly.
		b. Perform testing procedure as directed by the manufacturer's operator's manual.	
		(1) Conduct "Pipetting Techniques" as directed by the operator's manual.	
		(2) Perform the "Steps for Analysis on the Vitros DT II System" as directed.	
		c. Perform the "Calibration Data Module and Chemistry Language Module" as directed by the operator's manual.	
		d. Perform the normal shutdown procedure as directed by the operator's manual.	
		(1) Check incubator for tests in progress.	
		(2) Turn analyzer off.	
		NOTE: Conducting an EMERGENCY SHUTDOWN will result in having to repeat the analysis for all tests that remained in the incubator at the time of the shutdown.	

6630-01-376-9823
Analyzer, Clinical Chemistry, Model DT60

[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:
4	B, D	**Calibration** **NOTE: Periodic calibration of the DT60 II System is required to maintain instrument reliability (per operator's manual).** a. Follow the "When to Calibrate" instructions as directed by the operator's manual. (1) Calibrate the analyzer for all tests: (a) When the analyzer is initially installed. (b) At least once every six months. (c) When the technician indicates that calibration is necessary, e.g., servicing procedures might have affected the validity of the stored calibration parameters. (2) Calibrate the analyzer for individual tests: (a) When the lot number of the Vitros DT slides change. (b) When the results of a quality control test using Vitros DT controls, Vitros DT Hb control sets, or Vitros DT isoenzyme controls are consistently outside an acceptable range. (c) When a new lot of Vitros DT reference fluid is used. (This requires recalibration of tests run on the DTE module only.) **NOTE: Refer to "Log Sheets" in the operator's manual for a sample of calibration log sheets to record data.** b. Perform the "How to Calibrate" procedures according to operator's manual. (1) Preparing the Vitros DT calibrators. (2) Preparing the Vitros DT Hb calibrators. (3) Entering the Calibration Mode.	Results are out of range, calibrator fluids are expired, results are inaccurate, or error code/message is displayed. Results are out of range, calibrator fluids are expired, results are inaccurate, or error code/message is displayed.

[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:
		c. Perform the calibration procedure as directed by the manufacturer's operator's manual. (1) Warm the slides and calibrator fluids to room temperature. (2) Do not interchange calibrators and diluents. (3) For tests run on the DTE Module, it is recommended that you run each bottle twice. (4) Examine printout results. (5) Run a quality control test to verify calibration.	Results are out of range, calibrator fluids are expired, results are inaccurate, or error code/message is displayed.
5	B, D, A	**Instrument Care and Cleaning** a. Perform daily cleaning as directed by the manufacturer's operator's manual. (1) Slide disposal box(es). (2) Pipettes. b. Perform weekly cleaning as directed by the operator's manual. (1) Cleaning the DT60 II system (a) Pipette locator and visible slide track area. (b) Bar code reader and drop detector surfaces. (2) Cleaning the DTE II module (a) Pipette locator and visible slide track area. (b) Rubber boot on the front of the electrometer. (3) Cleaning the DTSC II module (a) Pickup and slide spotting stations. (b) Slide track. (c) Pipette locator. (d) White reference cap and sapphire read window. c. Clean the pipette as directed by the operator's manual. d. Charge the DT Pipette as directed by the operator's manual.	The battery will not charge.

(continued) Appendix A. Operator PMCS

6630-01-376-9823
Analyzer, Clinical Chemistry, Model DT60

[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:
		CAUTION: NEVER LEAVE THE CHARGER CONNECTED TO THE DT PIPETTE FOR MORE THAN 72 HOURS. e. Perform other cleaning as directed by the manufacturer's operator's manual: "Vitros DT60 II Chemistry System FORS Head."	

Appendix B. Repairer PMCS

Generic Standards

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	A	Ensure that all ancillary components necessary to operate the equipment or system are on hand.	Ancillary components are missing.
2	A	Ensure that all components and accessories issued with the equipment or system are on hand.	Components or accessories are not readily available.
3	A	Ensure that all TMDE required to perform CVC and PMCS are on hand and calibrated.	TMDE is not available.
4	A	Inspect for corrosion, rust, physically damaged parts, deteriorated materials, and damage to protective coatings.	Rust on outer surface parts determined by the Infection Control Nurse to be a health hazard.
5	A	Ensure the operator and maintenance manuals or documentation are on hand. Identify the location of such material if it is not packed with the equipment.	Operator and maintenance manuals are not readily available.
6	A	Verify that the equipment or system has no broken parts or accessories, i.e., switches, knobs, casters, plastic coverings, hoses, casings, etc.	Equipment is not functional due to broken parts.
7	A	Ensure that fluid levels, lubricants, physical limits or settings for operation are correct.	Levels are below those established in the TM or manufacturer's literature.
8	A	During prolonged exercises or missions involving patient treatment, scheduled testing of electrically operated medical equipment designated for use in critical care areas will be performed.	Equipment fails the electrical safety test.
9	A	Verify operation of the equipment or system in accordance with published TMs and the manufacturer's literature.	Equipment does not function according to the TM or manufacturer's literature.
10	A	Perform CVC and PMCS as necessary indicating compliance with standards. Place appropriate labels on equipment.	Equipment cannot be calibrated to TM or manufacturer's specifications.
11	A	Inspect for unusual operation, noises, leakage, or other unexpected results.	Noticeable fluid leaks or unexpected noises are detected.
12	A	Shut down equipment, and clean and dry parts or components that were subjected to liquid contact. Use of compressed air and disassembly of components to remove liquid or reagent materials may be necessary.	Unit or components are not clean or dry.
13	A	Check the electrical power cord for cuts, fraying, or deterioration.	Electrical plug is missing a pin/blade or the cord insulation is cut through the outer coating.
14	A	Ensure that alarms and visual indicators are functioning properly.	Alarms and indicators are not functioning properly.

(continued) Appendix B. Repairer PMCS

Generic Standards

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
15	A	Verify proper battery condition.	Battery will not charge or is visibly defective (when applicable).

(continued) Appendix B. Repairer PMCS

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

[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	**Refrigerator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing items preclude operation of the unit.
		b. Check for broken, worn or damaged switches, indicators, and displays on the control panel.	Damage prevents refrigerator from operating or maintaining 36° - 40° F (2° – 4° C).
		c. Check the electrical power cord for cuts, fraying, or deterioration.	The power cord is cracked or frayed, wires are not covered by the cord insulation, or damage prevents the refrigerator from operating or maintaining 36° - 40° F (2° – 4° C).
		d. Ensure the proper power source by checking the jumper placement on the transformer.	
		e. Perform a complete operational checkout of the refrigerator.	Refrigerator does not operate or maintain 36° - 40° F (2° – 4° C).
		f. Verify temperature controls as directed by the instructions for “Setting Cutler Hammer Control” in the maintenance manual. Ensure that the compressor turns on at 40° F (4° C) and off at 36° F (2° C) when the temperature control knob is set at the number 6 position.	
2	S	**Doors**	
		a. Verify that the doors close and seal properly. Inspect door gasket for accumulation of dirt, wear, or deterioration.	Defective door gasket prevents refrigerator from operating or maintaining 36° - 40° F (2° – 4° C).
		b. Inspect the door hinges for loose or missing hardware.	Loose or missing hardware prevents refrigerator from operating or maintaining 36° - 40° F (2° – 4° C).
3	S	**Drawers**	
		Ensure that the drawers are unobstructed and move freely.	Obstructed or damaged drawers prevent refrigerator doors from sealing.
4	S	**Condensing Unit**	
		Inspect the fan's condensing unit for damage, dust, lint or other foreign substances. Inspect condenser drip pan for a buildup of grease or other deposits.	

(continued) Appendix B. Repairer PMCS

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
5	S	**Fan** Inspect fan and fan guard for damage, wear, and an accumulation of dust or grease.	The fan does not operate.
6	A	**Maintaining Refrigerator** a. Verify that the refrigerator has been maintained according to the Operator Preventive Maintenance Checks and Services. b. Ensure the “General Maintenance Instructions” are conducted as directed by the manufacturer’s literature. c. Verify electrical safety.	The refrigerator fails any of the electrical safety tests.
7	A	**Temperature Recorder** a. Ensure the temperature recorder is functioning as stated by the manufacturer’s maintenance manual. b. If needed, calibrate as directed by the manufacturer’s maintenance manual.	
8	A	**Temperature Surveillance Module** a. Ensure the module is installed as directed by the manufacturer’s maintenance manual. b. Ensure that the five basic functions, listed below, are operating as directed by the manufacturer’s maintenance manual. (1) Constant, 24 hour, surveillance of temperature within the refrigerator cabinet. (2) Constant display of solution (or product) temperature with provision for user to select and momentarily display temperature in another location within the refrigerator. (3) Constant monitoring of the presence of primary power to the refrigerator. (4) A “door ajar” status indicator. (5) Low battery indication. c. If needed, calibrate the T100-1 module as directed by the manufacturer’s maintenance manual.	Any of the five functions are inoperative.

(continued) Appendix B. Repairer PMCS

4110-01-159-6922
Refrigerator, Mechanical, Blood Bank, Model 139875

[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	**Refrigerator** a. Ensure that a copy of the manufacturer's manual is on hand.	
		b. Inspect the refrigerator for obvious signs of damage such as cracks, dents, leaks or broken components.	The power cord is cracked or frayed, wires are not covered by the cord insulation, or the damage prevents the refrigerator from operating.
2	A	**Installation of the Refrigerator** Verify that the refrigerator has been installed according the Operator Preventive Maintenance Checks and Services.	
3	A	**Maintaining Refrigerator** a. Verify that the refrigerator has been maintained according to the Operator Preventive Maintenance Checks and Services.	
		b. Verify electrical safety.	The refrigerator fails any of the electrical safety tests.

(continued) Appendix B. Repairer PMCS

4110-01-287-7111
Refrigerator, Solid State, Biological, Model DLA-50T

[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	**Refrigerator, Solid State, Biological** Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components preclude operation of the refrigerator.
2	S	**Maintaining Refrigerator** a. Verify that the refrigerator has been maintained according to the Operator Preventive Maintenance Checks and Services.	
		b. Verify that the refrigerator functions on AC current.	The refrigerator cannot function on an AC power supply.
		c. Verify that the refrigerator functions on DC current.	The refrigerator cannot function on a DC power supply.
		d. Verify the heat exchangers are clean and free of dust and dirt.	
		e. Verify the electrical safety.	Refrigerator does not pass electrical safety tests.

(continued) Appendix B. Repairer PMCS

4110-01-287-7111
Refrigerator, Solid State, Biological, Model RCB42P

[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	**Refrigerator, Solid State, Biological** Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the refrigerator.
2	S	**Maintaining Refrigerator** a. Verify that the refrigerator functions as directed be the Operators Preventative Maintenance Checks and Services manual.	
		b. Verify that the unit functions on AC current.	The refrigerator cannot function on AC.
		c. Verify that the unit functions on DC current.	The refrigerator cannot function on DC.
		d. Check screw connections as directed by the manufacturer's service manual.	
		e. If necessary, conduct the "ACCU" as directed by the manufacturer's service manual.	
		f. Verify the electrical safety.	The refrigerator fails any of the electrical safety tests.

(continued) Appendix B. Repairer PMCS

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

[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	**Refrigerator** a. Ensure that a copy of the manufacturer's manual is on hand.	
		b. Inspect the refrigerator for obvious signs of damage such as cracks, dents, leaks, or broken components.	The power cord is cracked or frayed, wires are not covered by the cord insulation, or the damage prevents the refrigerator from operating.
		c. Verify the electrical safety.	The refrigerator fails any of the electrical safety tests.
2	S	**Installation and Set-up** a. Verify that the condensate disposal system was installed as directed by the manufacturer's literature and the pan plugs into a 115V, 15 Amp receptacle, which should be separate from the cabinet power supply. **WARNING: THIS SYSTEM IS DESIGNED TO DISPOSE OF WATER FROM THE EVAPORATOR UNDER NORMAL OPERATING CONDITIONS ONLY. WHEN UNIT IS USED WITH ADDED ICE OR EXTRA WATER IS GENERATED BY ABNORMAL USAGE OR EXTREME AMBIENT CONDITIONS, A FLOOR DRAIN OR SIMILAR ALTERNATIVE MAY BE REQUIRED.**	
		b. If the compressor is spring mounted, verify that the hold-down nuts have been loosened. **WARNING: FAILURE TO LOOSEN THE BOLTS WILL RESULT IN EXCESS NOISE AND VIBRATION, WHICH WILL DAMAGE THE REFRIGERATION SYSTEM.**	Hold-down bolts have not been loosened.
		c. For proper performance and efficiency the refrigerator should be connected to an electrical power supply, which has no more than a 5% deviation from the specified electrical requirements.	
		d. Verify that the power cord has a three-prong grounding plug and that the cord has not been damaged during transit.	The grounding prong is missing from the plug or damage to the cord exposes bare or insulated wires.

(continued) Appendix B. Repairer PMCS

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		e. Before turning the power switch on, check the following: (1) Visually inspect all refrigeration lines for damage during shipping and installation. (2) Be sure all wires are clear of fan blades and that the blades turn freely. (3) Check the unit compartment for oil leaks.	Damage to the refrigerator prevents safe operation of the unit.
3	S	**Maintenance and Operation** a. Verify the refrigerator maintains the set temperature.	The refrigerator does not reach the set temperature.
		b. Verify the compressor cycles properly.	Compressor fails to cycle.
		c. Verify light is working properly.	
		d. Verify rollout drawers are operational.	Drawers prevent the door from closing.

(continued) Appendix B. Repairer PMCS

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

[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	**Anesthesia Apparatus**	
		a. Verify that the components and accessories listed on the Parts and Accessories List are on hand.	Missing components or accessories prevent operation of the unit
		b. Ensure the unit is properly assembled.	The unit cannot be assembled properly.
		c. Inspect the lower case and control headstand for damage.	Damage to lower case or headstand prevents safe operation of the unit.
		d. Verify proper operation of the non-adjustable relief valve as stated in the manufacturer's literature.	The non-adjustable relief valve does not open before the gauge needle reaches approximately 80 mm Hg.
		e. Verify proper operation of the breathing circuit pressure gauge as stated in the manufacturer's literature.	The breathing circuit pressure gauge will not rest at zero +/-1 mm Hg.
		f. Verify Leak Test Procedure Number 1 as directed in the manufacturer's literature.	There is a leak greater than 100psi after five minutes for small cylinders or seven minutes for large cylinders
		g. Verify Leak Test Procedure Number 2 as directed in the manufacturer's literature.	There is any flow of gas on any of the flow meters.
		h. Verify Leak Test Procedure Number 3A as directed in the manufacturer's literature.	The pressure on the breathing circuit pressure gauge does not rise to more than 35 mm Hg.
		i. Verify Leak Test Procedure Number 3B as directed in the manufacturer's literature.	The pressure on the breathing circuit pressure gauge does not rise to more than 35 mm Hg.
		j. Verify the proper operation of the scavenger valve as directed in the manufacturer's literature.	The pressure on the breathing pressure gauge exceeds 3 mm Hg.
		k. Verify proper vaporizer operation as directed in the manufacturer's literature.	The vaporizer fails any test in the vaporizer checkout procedure.
		l. Verify the preoperative checkout procedure as directed in the manufacturer's literature.	The anesthesia apparatus fails any test in the preoperative checkout procedure.
2	M	**Oxygen Monitor**	
		a. Verify the calibration of the oxygen monitor as directed in the manufacturer's literature.	The oxygen monitor does not calibrate.
		b. Update the Medical Equipment Verification/Certification label (DD Form 2163).	The unit has not been verified within the last six months.

(continued) Appendix B. Repairer PMCS

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[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	**Defibrillator & Monitor/Recorder Module**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the defibrillator and monitor/recorder module.
		b. Inspect case, cables and connectors for damage. Inspect infrared (IR) link on outer case of defibrillator and monitor/recorder modules for cleanliness and damage.	Damaged or inoperative components preclude the operation.
		c. Inspect defibrillator paddles for cleanliness and deep pits.	Paddles are dirty or pitted.
		d. Verify the operation and function of all the controls listed in the Operator Preventive Maintenance Checks and Services.	
2	S	**Monitor/Recorder Module Checks**	
		a. Verify the following “Instrument Mode” checks as directed in the manufacturer’s literature.	The unit does not pass the battery checks.
		b. Verify the following Level II performance checks as directed in the manufacturer’s literature.	The unit does not pass the Level II performance checks.
		NOTE: Perform the ECG gain adjustment, ECG offset adjustment, and CRT adjustments only when the monitor recorder module does not perform to manufacturer’s specifications or after a repair.	
		(1) ECG amplifier noise.	
		(2) ECG amplifier gain.	
		c. Verify the following safety and maintenance checks as directed in the manufacturer’s literature.	The unit does not pass the safety and maintenance checks.
		(1) Power cord to chassis ground resistance check.	
		(2) Patient lead leakage current (source leakage) to ground.	
		(3) Leakage current between patient leads check.	
		(4) Patient lead leakage current (sink current) with 115 volts applied.	
3	Q	**Monitor/Recorder Module Printhead**	

(continued) Appendix B. Repairer PMCS

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		NOTE: Always clean the printhead before performing the alignment procedure to verify that the cause is misalignment and not a dirty printhead. Verify that the following adjustments and cleaning procedures are done as directed in Section B of manufacturer's literature. a. ECG gain adjustment. b. ECG offset adjustment. c. CRT display adjustment. d. High voltage adjustment. e. Power supply adjustment. f. Cleaning the recorder printhead. g. Printhead alignment. **NOTE: Perform printhead alignment only when the printhead does not perform to manufacturer's specifications.** **NOTE: The printhead alignment is a difficult adjustment to make because the recorder must be disassembled to access the adjustment screw.**	The defibrillator cannot be adjusted to within specifications.
4	S	**Defibrillator Module Checks** a. Verify the following "Instrument Mode" checks as directed in the manufacturer's literature. b. Verify the following Level II performance checks as directed in Section B of the manufacturer's literature. **NOTE: Perform the "Defibrillator Output Energy Calibration," "ECG Gain Adjustment," and "ECG Offset Adjustment" only when the defibrillator module does not perform to manufacturer's specifications or after a repair.** (1) Energy accuracy. (2) Self-Testing Accuracy. (3) Defibrillator Capacitor Charge Time. (4) Synchronizer.	The unit does not pass the instrument mode checks. The unit does not pass the Level II performance checks.

(continued) Appendix B. Repairer PMCS

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		c. Verify the following safety and maintenance checks as directed in the manufacturer's literature. (1) Power cord to chassis ground resistance check. (2) Paddle leakage current (source leakage) to ground. (3) Paddle leakage current (sink current) with 115 volts applied.	The unit does not pass the safety and maintenance checks.
		d. Verify the following adjustments as directed in the manufacturer's literature. (1) Defibrillator output energy calibration. (2) ECG gain adjustment. (3) ECG offset adjustment.	
		e. Update the Medical Equipment Verification/Certification sticker (DD Form 2163).	The defibrillator has not been verified within the last six months.
		f. Affix a Defibrillator Energy Output Certificate (DA Label 175).	The output has not been verified within the last six months.

(continued) Appendix B. Repairer PMCS

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

[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	**Defibrillator**	
		a. Conduct an inventory to ensure that the items listed on the Parts and Accessories List are on hand.	Missing components or accessories prevent safe operation of the defibrillator.
		b. Ensure Operator Preventive Maintenance Checks and Services (PMCS) were completed.	The defibrillator fails Operator PMCS.
2	S	**Testing/Troubleshooting**	
		a. Conduct the “Performance Inspection Procedure” (PIP) as directed by the service manual.	
		(1) Perform the PIP “Physical Inspection” as directed by the service manual.	Damage precludes operation.
		(2) Perform the PIP “Power-On Sequence” as directed by the service manual.	Unit does not turn on.
		(3) Perform the PIP “Fault Stack Check” as directed by the service manual and record failure codes. Clear failure codes and exit.	Failure codes cannot be cleared.
		(4) Perform the PIP “Paper-Out Sensor and Recorder Speed” as directed by the service manual.	There is no NSR waveform, recorder operates with door open, and recorder does not operate with door closed, or the spacing between R waves is not 25 +/- 1mm.
		(5) Perform the PIP “Code Summary” as directed by the service manual.	The code summary does not indicate 60 bpm or defibrillator does not discharge.
		(6) Perform the PIP “Freeze and ECG Audio Checks” as directed by the service manual.	Display does not freeze, there is no audible ECG beep, or volume control does not function.
		(7) Perform the PIP “Preamplifier Baseline Noise and CAL Pulse Checks” as directed by the service manual.	ECG size does not change from X1.8 to X1.0, trace line is not less than 1mm thick, or vertical leading edge of pulse is not 10 +/-mm.
		(8) Perform the PIP “Heart Rate and Lead Polarity” as directed by the service manual while using an ECG simulator.	The displayed heart rate is not between 27 and 33 when 30 bpm is selected on the ECG simulator or is not between 233 and 247 when 240 bpm is selected or signal polarity is not the same as lead I when lead II is selected.

(continued) Appendix B. Repairer PMCS

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(9) Perform the PIP "Synchronized Cardioversion" test as directed by the service manual.	The QRS sense markers do not appear on the CRT or are not printed on the recorder paper in "SYNC" mode, the "SYNC" annunciator is not visible on the status display or it does not blink with each R wave, the defibrillator discharges between R waves or fails to discharge on the next QRS complex, or the device does not exit SYNC mode after discharging.
		(10) Perform the PIP "Warm/Cold Restart Check" as directed by the service manual.	Unit fails restart tests.
		(11) Perform the PIP "Pacer Functional" as directed by the service manual while using an ECG simulator.	Unit fails any of the steps in the pacemaker functional tests.
		(12) Perform the PIP "Pacemaker Output Tests" as directed by the service manual while using a pacemaker tester.	Unit fails any of the steps in the pacemaker output test.
		(13) Perform the PIP "Defibrillator Control and QUIK-LOOK" as directed by the service manual.	Unit fails any of the steps in the defibrillator control and "QUIK-LOOK" tests.
		(14) Perform the PIP "Energy Output" as directed by the service manual.	Unit fails any of the steps in the energy output tests.
		(15) Perform the PIP "Refresh and Auto-Dump" as directed by the service manual.	Unit fails any of the steps in the refresh and auto-dump tests.
		(16) Perform the PIP "External Power Operation" as directed by the service manual.	Unit fails any of the steps in the external power operation.
		(17) Perform the PIP "Fault Stack Recheck" as directed by the service manual. Correct and clear any failure codes listed and return instrument to user's original settings.	Failure codes cannot be cleared.
		(18) Perform the PIP "Leakage Current" as directed by the service manual utilizing a safety analyzer. **NOTE: The leakage current test of certain models of the AC Auxiliary Power Module may fail. Contact USAMMA, Hill AFB for the update on the test.**	Unit fails leakage current test.

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		b. Conduct the “Test and Calibration Procedure” (TCP) as needed and directed by the service manual. (1) Perform the following TCPs, listed under “System PCB Test and Calibration,” as directed by the service manual. (a) “ECG Out and Preamp Gain” (b) “CRT Display” (c) “Brightness” (d) “Modulated ECG Output” (e) “QRS Marks” (f) “Defibrillator Calibration” (g) “Available Energy Display” (2) Perform the following TCP “Chart/Pacer PCB Test and Calibration” procedures as directed by the service manual. (a) “Recorder Calibration” (b) “Frequency Calibration” (c) “Output Gain”	Any of the calibration procedures cannot be accomplished.
		c. Affix a Defibrillator Energy Output Certificate (DA Label 175).	The output has not been verified within the last six months.
		d. Update the Medical Equipment Verification/Certification sticker (DD Form 2163).	The unit has not been verified within the last six months.
3	S	**Battery Support System** a. Perform the PIP as directed by the Battery Support Service Manual.	Damage precludes operation.
		(1) Perform the “AC Operation” procedure.	Battery support system fails to operate when connected to AC power source.
		(2) Perform the “Battery Charge/Discharge” procedure.	Battery charge/discharge test fails.

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(3) Perform the PIP “Keypad and Display Test.”	Keypad and display Test fails.
		(4) Perform the PIP “Displayed Energy.”	Displayed energy test fails.
		(5) Perform the PIP “A/D Check.”	A/D check fails.
		(6) Perform the PIP “Battery Charge Current.”	Battery charge current test fails.
		(7) Perform the PIP “Battery Discharge Current.”	Battery discharge current test fails.
		(8) Perform the PIP “Shorted Battery Terminal Test.”	Shorted battery terminal test fails.
		NOTE: Perform internal system inspection checking for loose hardware that may cause an electrical short circuit. Secure loose screws with Loctite® or equivalent.	
		NOTE: Loose screws, washers or internal hardware can cause burnt and melted batteries.	
		(9) Perform the PIP “Leakage Current,” utilizing a safety analyzer.	Battery support system fails leakage current test.
		b. Perform the following TCPs as directed by the Battery Support Service Manual.	
		(1) Perform the TCP “Test Setup.”	
		(2) Perform the TCP “Assembly Check.”	
		(3) Perform the TCP “Self-Test.”	
		(4) Perform the TCP “Displayed Energy Check with A LIFEPAK 5 or LIFEPAK 10” defibrillator/monitor.	
		c. Perform the cleaning procedures as directed by the Battery Support Service Manual.	
4	S	**AC Auxiliary Power Supply** a. Conduct the PIP as directed by the AC Auxiliary Power Supply Service Manual.	
		b. Perform the PIP “LED Function” as directed by the AC Auxiliary Power Supply Service Manual.	LED function test fails.

(continued) Appendix B. Repairer PMCS

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		c. Perform the PIP “Output” procedure as directed by the AC Auxiliary Power Supply Service Manual.	Output test fails.
		d. Perform the PIP “Current Leakage” test utilizing safety analyzer. **NOTE: The leakage current test of certain models of the AC Auxiliary Power Module may fail. Contact USAMMA, Hill AFB for the update on the test.**	The unit fails the leakage current test.
		f. Update the Medical Equipment Verification/Certification sticker (DD Form 2163).	The unit has not been verified within the last six months.

(continued) Appendix B. Repairer PMCS

6520-01-139-1246
Compressor Dehydrator, Dental, M5 Series

[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	**Compressor-Dehydrator**	
		a. Inventory the unit for all components and accessories according to the Equipment Parts and Accessories List.	Missing components or accessories prevent operation of the unit.
		b. Inspect the unit for any damaged or deteriorated hoses, tubes, cables, and other components.	Damaged or deteriorated components prevent operation of the unit.
		c. Inspect the unit for an excessive accumulation of dust or dirt. (Particular attention should be given to the intake silencer and fan guard.)	Unit overheats or does not operate.
		d. Verify the performance of the unit by following the “Operator Preventive Maintenance Checks and Services” checklist.	The unit is not operational.
		e. Verify that the humidity indicator is blue.	The humidity indicator is other than blue.
		f. Verify electrical safety.	The compressor-dehydrator fails any of the electrical safety tests.
2	S	**Air Storage Tank**	
		a. Verify that the tank does not leak by pushing the power switch to the OFF position and observing that the pressure holds at approximately 60psi for several minutes.	The tank cannot be pressurized or the tank leaks.
		b. Ensure that the hose(s) can be properly connected.	The hose(s) cannot be connected to the storage tank.
		c. Ensure pressure relief / drain valve opens and closes properly.	The valve cannot be opened or it leaks when closed.
3	S	**Case**	
		a. Inspect the case for signs of excessive wear.	The case cannot be used to store or ship the unit.
		b. Check the air relief valve.	The valve is inoperable, damaged, or missing.
4	S	**Pressure Gauge**	
		Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.	The damaged indicator prevents operation of the unit.
5	S	**Running/Starting Capacitors**	
		Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.	The damaged indicator prevents operation of the unit.

(continued) Appendix B. Repairer PMCS

6520-01-139-1246
Compressor Dehydrator, Dental, M5 Series

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
6	S	**Safety Valve** Test for proper operation.	The valve is defective or inoperable.
7	S	**Unloader Valve** Test for proper operation.	The valve is defective or inoperable.
8	S	**Humidity Indicator** a. Inspect for dents, a cracked or missing indicator cover, or the lack of any color indication.	The damaged indicator prevents operation of the unit.
		b. Ensure that the indicator is blue.	The humidity indicator is other than blue.

(continued) Appendix B. Repairer PMCS

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

[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	**Dental Unit**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts or Accessories List are on hand.	Missing components or accessories prevent the operation of the dental unit.
		b. Inspect components for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of the dental unit.
2	S	**Operational Checks**	
		a. Review the general service information as provided in the manufacturer's literature.	
		b. Check the air and water filters as directed in the manufacturer's literature.	The air pressure drops more than 15 psi or the water pressure drops more than 10 psi.
		c. Check the air and water regulator as directed in the manufacturer's literature.	The air regulator does not regulate between 60 psi to 80 psi or the water regulator does not regulate between 30 psi to 40 psi.
		d. Verify the operation of the "Century II Control System" as directed in the manufacturer's literature.	There are air or water leaks that prevent the use of the dental unit.
		e. Verify the operation of the three-way micro valves as directed in the manufacturer's literature.	The three-way micro valves do not control the flow of coolant air or coolant water.
		f. Verify the operation of the foot control valve as directed in the manufacturer's literature.	The foot control valve does not operate the handpieces.
		g. Verify the operation of the signal relay valve as directed in the manufacturer's literature.	The signal relay valve does not initiate the coolant air or coolant water.
		h. Verify the operation of the chip blower valve as directed in the manufacturer's literature.	The chip blower valve does not provide chip-air flow to the handpieces.
		i. Verify the operation of the three-way toggle valve as directed in the manufacturer's literature.	The three-way toggle valve does not pressurize or de-pressurize to water tank.
		j. Verify the operation of the needle valves as directed in the manufacturer's literature.	
		k. Verify the operation of the syringe as directed in the manufacturer's literature.	The syringe leaks air or water or does not pass air or water.

(continued) Appendix B. Repairer PMCS

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		l. Verify the operation of the air vacuum system as directed in the manufacturer's literature.	The air vacuum system does not provide vacuum.
		m. Verify the operation of the air saliva ejector as directed in the manufacturer's literature.	The air saliva ejector does not provide vacuum.
3	S	**Storage Case** Inspect the storage case for cracks, dents, or broken latches.	

(continued) Appendix B. Repairer PMCS

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

[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	**Dental Unit**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories list are on hand.	Missing components or accessories prevent the operation of the dental unit.
		b. Review the “General Service Information” as provided in the manufacturer’s literature.	
		c. Check the air and water filters as directed in the manufacturer’s literature.	The air and water filters do not meet manufacturer’s specifications.
		d. Check the air and water regulator as directed in the manufacturer’s literature.	Air pressure is not 60 to 80 psi, and the water pressure is not 40 psi +/-5 psi.
		e. Verify the operation of the main control block as directed in the manufacturer’s literature.	The unit has air or water leaks.
		f. Verify the operation of the micro valves as directed in the manufacturer’s literature.	The micro valves should turn handpieces on and off without air leaks.
		g. Verify the operation of the foot control valve as directed in the manufacturer’s literature.	The foot control valve does not meet manufacturer’s specifications.
		h. Verify the operation of the signal relay valve as directed in the manufacturer’s literature.	The signal relay valve does not meet manufacturer’s specifications.
		i. Verify the operation of the chip blower valve as directed in the manufacturer’s literature.	Air leaks past the valve when it is turned “OFF.” Air leakage around the stem when the valve is “ON,” and/or downstream pressure exhausts when the valve is turned “OFF.” No air flows through the valve when it is turned “ON.”
		j. Verify the operation of the water pressure toggle valve as directed in the manufacturer’s literature.	The water pressure toggle valve does not meet manufacturer’s specifications.
		k. Verify the operation of the needle valves as directed in the manufacturer’s literature.	The needle valves do not meet manufacturer’s specifications.
		l. Verify the operation of the syringe as directed in the manufacturer’s literature.	The syringe has water or air leaks.
		m. Verify the operation of the air vacuum system as directed in the manufacturer’s literature.	The system develops an air leak around the “HV” button or the tube becomes crimped or develops a leak.
		n. Verify the operation of the air saliva ejector as directed in the manufacturer’s literature.	The air saliva ejector does not meet manufacturer’s specifications.

(continued) Appendix B. Repairer PMCS

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		o. Verify the operation of the foot control valve.	There is an audible leakage while the foot control is not being used, there is inadequate airflow from the foot control, or the foot control is sluggish.
2	S	**Storage Case** Inspect the storage case for cracks, dents, or broken latches.	

(continued) Appendix B. Repairer PMCS

6520-01-398-4613
Compressor Dehydrator, Dental, Model PAC 6.7

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	A	**Compressor Dehydrator**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts or Accessories List are on hand.	Missing interconnecting air hoses, with appropriate connectors, which connect compressor to dental operating and treatment unit.
		b. Inspect and verify that the compressor-dehydrator operates as directed by the “Operational Checkout” procedures in the Operator Preventative Maintenance Checks and Services.	The unit does not operate as directed by the operational checkout procedures.
		c. Verify electrical safety.	The compressor-dehydrator fails any of the safety tests.
2	A	**Air Storage Tank**	
		a. Inspect air tank for leaks, damage, or excessive rust.	Air tank leaks or damage or rust accumulation precludes operation.
		b. Inspect hoses and ensure that the hoses(s) can be properly connected.	The hose(s) cannot be connected to the storage tank.
		c. Ensure pressure relief/drain valve opens and closes properly.	The valve cannot be opened or it leaks when closed.
3	A	**Pressure Gauge**	
		Check for dents, a cracked or broken dial cover, or gauge indications beyond the normal range.	The pressure gauge does not function.
4	A	**Dryness Indicator**	
		a. Inspect for dents, a cracked or missing indicator cover, or the lack of any color indication.	The damaged indicator is unserviceable.
		b. Ensure that the indicator is blue.	The dryness indicator is other than blue.
5	A	**Case**	
		a. Inspect the case for signs of excessive wear.	
		b. Check the air relief valve.	

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

[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	**X-Ray Apparatus Field Dental**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the dental unit.
		b. Assemble unit according to manufacturer's literature paying particular attention to the power voltage connection.	The unit cannot be assembled.
		c. Inspect unit for any damaged and cleanliness. Inspect for tightness, rust, cracks, wear, and fraying electrical cords.	The damage prevents the operation of the unit.
		d. Check for mechanical damage, possibly affecting radiation safety.	The damage prevents the operation of the unit or "leaks" unsafe levels of radiation.
		e. Verify electrical safety.	The x-ray apparatus fails any of the electrical safety tests.
		f. Check for tube head drift in all working positions.	The tube drift cannot be corrected by leveling the unit.
2	S	**Operational Check Out**	
		a. Perform "Line Adequacy Test" in accordance with manufacturer's literature.	The unit fails to perform.
		b. Perform maintenance check procedures in accordance with manufacturer's literature.	The unit fails to perform.
		(1) Verify power supply adequacy in accordance with the manufacturer's literature.	The power supply is inadequate.
		(2) Verify mA value in accordance with the manufacturer's literature.	The mA value is not within specifications.
		(3) Check exposure time in accordance with manufacturer's literature.	The exposure time is inaccurate.
		(4) Make mechanical adjustments (if required) as directed in the manufacturer's literature.	
		(5) Adjust brake as directed in the manufacturer's literature.	The brake cannot be adjusted

(continued) Appendix B. Repairer PMCS

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		c. Up-date the Medical Equipment Verification/Certification sticker (DD Form 2163).	The unit has not been verified within the last 12 months.
3	A	**Repacking**	
		Disconnect unit from power and repack according to manufacturer's literature.	The unit cannot be repacked.
4	B, A	**Case**	
		a. Inspect the case for signs of excessive wear.	
		b. Inspect gasket for damage or deterioration.	

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

[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	**X-Ray Processor**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts or Accessories List are on hand.	Missing components or accessories prevent the operation of the unit.
		b. Inspect the processor for obvious signs of damage such as cracks, dents, leaks or broken components.	The damage to the processor prevents the operation.
		c. Install the processor according to the manufacturer's literature.	The processor cannot be installed.
		(1) Locate the processor in a darkroom location according to the manufacturer's literature.	
		(2) Connect the plumbing connections according to the manufacturer's literature.	The pluming cannot be connected.
		(a) Drain (b) Water Supply	
		(3) Connect the silver recovery system to the processor according to the manufacturer's literature.	
		(4) Install the replenishment system according to the manufacturer's literature.	The replenishment system cannot be installed.
		(5) Set the frequency adjustment to the processor as directed in the manufacturer's literature.	The frequency is not adjustable.
		(6) Perform the manufacturer's "Check Out" procedures.	The processor does not pass the checkout procedure.
		(7) Perform the manufacturer's "Final Set-Up" procedures.	The processor does not pass the final set-up procedures.
		d. Verify electrical safety.	The processor fails any of the electrical safety tests.
2	S	**Racks and Crossovers**	
		a. Clean all racks, crossovers, and splashguard.	
		b. Inspect gears, pins, bearings, and all wear surfaces.	
		c. Inspect rollers for wear or excessive build-up of residual matter.	The build-up of residual matter causes unreadable film.
		d. Inspect for worn or warped film guides.	

(continued) Appendix B. Repairer PMCS

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		e. Inspect for loose fasteners.	
		f. Inspect transport of film through racks individually.	The film does not track through system.
3	S	**Tanks**	
		a. Clean tanks and inspect for algae build-up.	
		b. Inspect for evidence of leakage.	The tanks leak.
4.	S	**Drive Shaft**	
		a. Inspect mesh with rack gears.	The shaft does not line up with racks.
		b. Lubricate drive shaft and thrust bearing.	
		c. Inspect and grease plastic running gears on shaft.	
5	S	**Drive Motor and Chain**	The film does not track through system.
		a. Inspect for correct chain tension.	
		b. Lubricate the drive chain.	
		c. Lubricate output shaft bearing on the drive reducer.	
		d. Inspect motor operation and amperage draw.	
6	S	**Circulation System**	
		a. Inspect for clogged circulation lines.	The solution does not flow through the system.
		b. Inspect for evidence of leakage.	
		c. Inspect for circulation of tank solutions.	The solution does not flow through the system.
		d. Inspect for proper water solenoid activation.	The water does not flow through the system.
7	S	**Transport Rack**	
		a. Clean rack rollers.	
		b. Lubricate the dryer shaft bearings beneath the support bearing.	

(continued) Appendix B. Repairer PMCS

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		c. Inspect for worn bearings and springs.	
		d. Inspect film transport through rack.	The film does not track through the system.
		e. Vacuum entire dryer section.	
8	S	**Air System**	
		a. Clean the blower and air ducts.	
		b. Clean the blower motor and check operation.	
		c. Inspect the amperage draw of blower motor.	
9	S	**Front Panel**	
		a. Inspect fuses.	
		b. Inspect the film activation switch.	The replenisher does not activate.
10		**Transport Timing**	The transport timing does not perform per manufacturer's specification.
		a. Inspect "FEED" indicator and audible signal timing.	
		b. Inspect for transport shutdown approximately 2-1/2 minutes after film exit.	
		c. Inspect the "JOG" function.	
11	S	**Temperature Control**	
		a. Verify temperatures against dial settings.	The temperature control does not function according to the manufacturer's literature.
		b. Inspect amp draw of developer and dryer heating elements.	
		c. Observe proportioning sequence of DS1 and DS2 on J3 PCB.	
12	S	**Replenishment System**	The replenishment system does not function according to the manufacturer's literature.
		a. Inspect for pump activation.	

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		b. Clean storage tanks and flush lines. c. Verify the replenishment rates. d. Verify the amperage draw. e. Inspect and clean level probes in developer tank.	
13	S	**General Cleaning** a. Clean off deposits under tanks. b. Clean the top cover. c. Clean the feed tray. d. Inspect and clean the base cabinet. e. Inspect the external water filter and replace as necessary. f. Check out and clean transport timing device per manufacturer’s literature. g. Check out and clean temperature control per manufacturer’s literature. h. Check out and clean replenishment system per manufacturer’s literature.	

6525-01-312-6411

X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

[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	**X-Ray Apparatus**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the x-ray unit.
		b. Unpack and install as directed by manufacturer's literature.	The unit cannot be installed.
		c. Ensure retrofit kit (consists of heavy steel brackets under each end of table) is installed for possible shipment.	The unit is unable to deploy.
		d. Inspect unit for damage, excessive rust to critical parts, bearing tracks and races, etc., or excessively worn components.	The unserviceable components prevent the use of the unit.
2	S	**X-Ray Operational Test**	
		a. Ensure each component is operational as directed by the manufacturer's literature.	Components not operational prevent the use of the x-ray unit.
		b. Ensure daily pre-operational systems checks were performed as directed by manufacturer's literature.	
		c. Verify the pre-calibration checks as directed by manufacturer's literature.	The unit is not prepared for calibration.
		d. Verify calibration before attempting the calibration procedures. **NOTE: Perform manufacturer's calibration procedures <u>ONLY</u> if x-ray apparatus does not meet manufacturer's specifications.** **WARNING: FOLLOW X-RAY TUBE WARM UP PROCEDURE AS DIRECTED BY MANUFACTURER'S LITERATURE.**	The unit is in need of calibration.
	A	e. Calibrate the unit as directed by the manufacturer's literature.	
		(1) Calibrate the generator as directed by manufacturer's literature.	
		(2) Calibrate the spot film device as directed by manufacturer's literature.	
		(3) Calibrate the under-table collimator as directed by manufacturer's literature.	
		(4) Calibrate the over-table collimator as directed by manufacturer's literature.	

(continued) Appendix B. Repairer PMCS

6525-01-312-6411

X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(5) Calibrate the automatic exposure control as directed by manufacturer's literature. (6) Verify the image intensifier as directed by manufacturer's literature. f. Update the Medical Equipment Verification / Certification sticker (DD Form 2163).	The unit has not been verified or calibrated within the last 12 months.

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	**X-Ray System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the X-Ray.
		b. Inspect unit for damage, discoloration, or excessively worn components.	Unserviceable components prevent the use of x-ray.
		c. Verify assembly of unit as directed by the manufacturer's literature.	The unit cannot be assembled.
		d. Verify the electrical safety.	The x-ray system fails any of the electrical safety tests.
2		**Periodic Maintenance**	
	M, Q	Perform the "Periodic Maintenance Schedule and Procedure" as directed by manufacturer's literature.	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	**Alignment, Adjustment, Calibration and Checkout Procedures**	
		a. Perform the "Alignment, Adjustment, Calibration and Checkout" procedures as directed by the manufacturer's literature: (1) Line Voltage (2) Line Set (3) Calibration Set-Up (4) mA/kVp Calibration (5) Verify mA/kVp with 220 VAC/50Hz (6) Timer Test Data	The unit cannot be calibrated or verified as directed.

(continued) Appendix B. Repairer PMCS

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:
		(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 b. Update the Medical Equipment Verification/Certification label (DD Form 2163).	The unit has not been verified within the last 12 months.

(continued) Appendix B. Repairer PMCS

6525-01-370-7552
Portable Dental X-Ray System, Model ALPHA MPDX

[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	**X-Ray System**	
		a. Verify that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the dental unit.
		b. Unpack and assembly as the x-ray unit as directed by manufacturer's literature.	The unit cannot be assembled.
2		**Preventive Maintenance Schedule and Procedures**	
	Q	a. Inspection/check procedures	The check out cannot be accomplished.
		(1) Visually inspect the unit as directed by the manufacturer's literature.	
		(2) Verify that the unit meets all of the pre-operational requirements according to the Operator Preventive Maintenance Checks and Services.	
		(3) Check all hardware connections for security. Tighten any loose connections.	
		(4) Inspect the unit for chips, scratches or exposed metal. Use touch-up paint to repair any damage to paint or finish.	
		(5) Perform corrective, adjustment or calibration procedures as required to resolve a malfunction, or perform periodic alignment adjustment and calibration functions in accordance with the schedule provided in manufacturer’s literature.	
	Q	b. Perform the cleaning procedures as directed by the manufacturer's literature.	
	S	c. Perform “Adjustment, Calibration and Test” as directed by the manufacturer's literature.	The adjustments and calibration cannot be accomplished.
		(1) Hi-Pot Test	Leakage or breakdown occurs at 1500V within 60 seconds.
		(2) Leakage Current	Leakage is more than 100 microamps.
		(3) Line Voltage Meter	
		(4) mA/kVp Calibration	
		(a) Calibration Set-up	
		(b) Line Voltage	
		(c) mA Calibration	X-ray will not calibrate to 7mA +/-10%.
		(d) kVp Calibration	X-ray will not calibrate to 70kVp +/-10%.

(continued) Appendix B. Repairer PMCS

6525-01-370-7552
Portable Dental X-Ray System, Model ALPHA MPDX

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(5) Timer Test Data	
		(a) Calibration	
		(b) Verification	Will not calibrate within +/-10% and +/-4ms.
		(6) Exposure Indication	Any indicators prevent safe operation.
		(7) Line Current	The current is not less than 7Amps
		(8) Half Value Layer	The results are not greater than 0.51.
		(9) Reproducibility	The results are not less than 0.02.
		(10) Leakage Test	Any reading exceeds 50mR.
		(11) Beam Limiting Device	Tolerance is not within 5.8 – 6.2cm.
		(12) Final Step	
		(13) Update the Medical Equipment Verification/Certification label (DD Form 2163).	The unit has not been verified within the last 12 months.
		(14) Verify electrical safety.	The x-ray system fails any of the electrical safety tests.
	S	d. Perform long term storage maintenance procedures as directed by the manufacturer's literature.	The unit cannot complete the degassing process.

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	M	**X-Ray Apparatus** a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components prevent the use of the x-ray.
		b. Inspect unit for damage, discoloration, or excessively worn components	Unserviceable components prevent the use of x-ray.
2		**X-Ray Operational Test** **NOTE: Install the unit as direct by manufacturer's literature. Prepare x-ray tube for radiographic use in accordance with the manufacturer's break-in instructions.**	The unit cannot be installed.
		NOTE: An unseasoned tube will not calibrate and may develop hot spots.	
	A	a. Calibrate the unit as directed by the manufacturer's literature.	Unit cannot be calibrated.
	S	b. Perform the maintenance schedule checks as directed by the manufacturer's literature	
		(1) Perform external visual checks as directed by the manufacturer's literature.	
		(a) Check control panel stand, if so equipped for nicks, scratches, or dents.	
		(b) Check for proper seating of APR labels.	
		(c) Inspect unit for all warning labels, serial tags, UL and CSA tags.	The labels are missing, unreadable, or out dated.
		(2) Perform mechanical checks as directed by the manufacturer's literature.	
		(a) Check mechanical operation of control panel on/off and prep/expose switches.	X-ray does not operate or an electrical hazard exists.
		(b) Remove H.T. cables from transformer ports and check for proper level of oil. Check that H.T. cables are securely tightened.	Oil level is low or H.T. cables are not securely tightened.
		(c) Check connections on all cables on top of H.T. transformer.	The cables are not secure.
		(d) Check connections on all cables in electronics cabinet.	The cables are not secure.

(continued) Appendix B. Repairer PMCS

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(e) Check connections on all cables in operator control panel.	The cables are not secure.
		(3) Perform operational checks as directed by the manufacturer's literature.	X-ray does not operate or an electrical hazard exists.
		(a) Check for power-up sequence.	
		(b) Check for operation of control panel switches; run fault diagnostics.	
		(c) Check for operation of control panel LEDs; run fault diagnostics.	
		(d) Check for operation of control panel display; run fault diagnostics.	
		(e) Check for operation of control panel to generator communications; run fault diagnostics.	
		(f) Check +5V power supply.	
		(g) Check +15V power supply.	
		(h) Check +24V power supply.	
		(i) Depress "PREP" switch and check that control panel display reads "READY."	
		(j) Depress "EXPOSURE" switch; listen for audible indicator to sound and check control panel for exposure indicator light.	
		(k) Check that "BUT" logic works – "BUT" LED should light.	
		(l) Check for actual mAs indication in display.	
		(m) Check that another AEC exposure cannot be made.	
		(n) Check that the reset button resets the "BUT" and another exposure can be made.	
		(o) Check kV, mA, and time accuracy.	
		(p) Check PT station(s) for density.	

(continued) Appendix B. Repairer PMCS

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(4) Regrease high tension cables as directed by manufacturer's literature	
		(5) Replace NVRAM every 72 months as directed by the manufacturer's literature.	
		(6) Perform “Final Appearance Checks” as directed by the manufacturer’s literature.	
		(a) Clean all exposed exterior surfaces of the Clinix VP4 Generator.	
		(b) Check that all mounting hardware is secure and all covers are in place.	The mounting hardware is not secured.
	A	c. Update Medical Equipment Verification/Certification label (DD Form 2361)	The unit has not been verified within the last 12 months.

(continued) Appendix B. Repairer PMCS

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	A	**X-Ray Processor**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the unit.
		b. Inspect the processor for obvious signs of damage such as cracks, dents, leaks or broken components.	Damage to the processor prevents the operation.
2	A	**Installation of the Processor**	
		Verify that the processor has been installed according to the Operator Preventive Maintenance Checks and Services.	
3	A	**Maintenance Program**	
		a. Verify that the processor has been maintained according to the Operator Preventive Maintenance Checks and Services.	
		b. Once a year, after extended (90 days plus) storage periods, and following a routine monthly cleaning, perform the following tasks on the processor:	
		(1) Inspect the drive gears on each transport assembly and replace any gears that are excessively worn or damaged.	
		(2) Refer to Service Procedure 5-1. Inspect and adjust or replace, if necessary, the main drive belt.	
		(3) Refer to Service Procedure 5-2. Inspect and clean the fixer and wash circulation pumps. Developer pumps are usually cleaned adequately by systems cleaning and do not require additional servicing.	
		(4) Refer to Service Procedure 5-3. Inspect and clean developer and fixer replenishment pumps.	
		(5) Refer to Figure 4-2, Maintenance Log and Figure 4-3, Lubrication Points and lubricate as indicated.	
		NOTE: Be sure to clean off all old lubricants and any excessive new lubricants.	
		c. Read and/or be familiar with the “Special Maintenance Notes and Information for Long Term Storage and Inspection” section.	
		d. Verify that the processor passes all electrical safety tests.	The processor fails any of the electrical safety tests.

(continued) Appendix B. Repairer PMCS

6530-00-926-2151
Sterilizer, Surgical Dressing 16X36 in., Model M-138

[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	**Sterilizer** a. Verify the components and accessories according to the Operator Preventive Maintenance Checks and Services.	The shelves are missing.
		b. Inspect the unit for obvious signs of damage such as cracks, dents, leaks, or broken components.	
2	S	**Sterilizer Operational** a. Ensure that the unit is set up and assembled properly as directed by the Operator Preventive Maintenance Checks and Services.	
		b. Ensure unit is wired per data plate diagram to conform to incoming power.	Unit cannot be wired according to diagram.
		c. Inspect door for proper operation. Ensure hinges are properly lubricated. Inspect door gasket for damage or deterioration.	Sterilizer door does not close and seal.
		d. Inspect the case for damage. Ensure hinges and latches are properly lubricated.	Damage prevents operation of the unit.
3	S	**Sterilizer Jacket** Verify operation of the sterilizer jacket according to the Operator Preventive Maintenance Checks and Services.	Jacket leaks or cannot be filled with water.
		WARNING: LIFT THE RELIEF HANDLE OF THE SAFETY VALVE OR TURN OPERATING VALVE TO THE DRY POSITION TO RELEASE ANY PRESSURE IN THE JACKET BEFORE REMOVING THE PLUG FROM THE FILLING FUNNEL. FILL THE STERILIZER JACKET WITH THE PUREST WATER AVAILABLE AND INSPECT FOR WATER LEAKS. INSPECT THE WATER LEVEL INDICATOR GAUGE AND ENSURE WATER IS AT LEAST AT ¼ MARK.	Water level indicator gauge is broken or excessive mineral deposits obscure the reading of the water level.
4	S	**Operation Valve** a. Conduct operating valve checks.	Operating valve leaks or does not operate properly.
		b. Verify the increase in pressure and test the safety valve by depressing the safety lever.	Pressure does not increase or if the safety valve does not release pressure when depressed.

(continued) Appendix B. Repairer PMCS

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

[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	**Ventilator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the ventilator.
		b. Inspect hoses, fittings, and regulators for cracks, crimps, leakage, discoloration, damaged connector fittings, or general wear as directed in the manufacturer's literature.	Unserviceable accessories prevent use of the ventilator.
2	S	**Preventative Maintenance Inspections**	
		a. Perform visual checks as directed in the manufacturer's literature.	The inspections do not pass standards.
		b. Perform performance checks as directed in the manufacturer's literature.	The inspections do not pass standards.
		c. Clean unit as directed in the manufacturer's literature.	
3	S	**Case**	
		Check for wear, loose or missing hardware, and cracks as directed in the manufacturer's literature.	The unserviceable case prevents protective storage, safe movement, or operation of the unit.
4	S	**Battery**	
		a. Test the control module for operation using the internal battery as directed in the manufacturer's literature.	Use of the battery causes an alarm condition.
		b. Check for a battery alarm as directed in the manufacturer's literature.	
5	S	**Multivoltage Power Supply**	
		a. Check the power supply for worn, cracked, or damaged connectors as directed in the manufacturer's literature.	The ventilator cannot be operated or if an electrical hazard is present.
		b. Test the operation of the power supply and the integrated battery charger as directed in the manufacturer's literature.	The multivoltage power supply is inoperable.
		c. Verify that electrical safety tests have been performed as scheduled as directed in the manufacturer's literature.	The unit fails any safety test.

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
6	S	**Patient Valve** Check for cracks, leakage, discoloration, and general wear as directed in the manufacturer's literature.	The patient valve is inoperable, malfunctioning, or endangers the patient.
7	S	**Control Module** a. Check for tactile feel of all controls. Verify operation of controls as directed in the manufacturer's literature.	Any control is inoperable.
		b. Verify completion of self-test as directed in the manufacturer's literature.	Any portion of the self-test fails or aborts.
		c. Verify transducer calibration as directed in the manufacturer's literature.	The transducer fails calibration test.
		d. Check the various modes of operation as directed in the manufacturer's literature. (1) Verify the control ventilation – with/without “SIGH” - with/without “PEEP” as directed in the manufacturer's literature. (2) Verify the assist-control ventilation – with/without “SIGH” – with/without “PEEP” as directed in the manufacturer's literature. (3) Verify the synchronized intermittent mandatory ventilation (SIMV) – with/without “SIGH” – with/without “PEEP” as directed in the manufacturer's literature. (4) Verify the assist-control backup during apnea – with/without “SIGH” – with/without “PEEP” as directed in the manufacturer's literature.	The ventilator does not operate in any of the modes of operation.
		e. Update the Medical Equipment Verification/Certification sticker (DD Form 2163).	The unit has not been verified within the last six (6) months.

(continued) Appendix B. Repairer PMCS

6530-01-374-8903
Portable Ventilator, Model 15304

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	A	**Ventilator**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the ventilator.
		b. Inspect hoses, fittings, and regulators for cracks, crimps, leakage, discoloration, damaged connector fittings, or excessive wear as directed in the manufacturer's literature.	Unserviceable components and accessories prevent the use of the ventilator.
		c. Verify electrical safety.	The ventilator fails any of the electrical safety tests.
2	A	**Preventive Maintenance**	
		NOTE: Before using the Bird Avian Portable Ventilator®, the repairer should read and understand all warnings and cautions in the manufacturer's literature.	
		Complete the preventive maintenance inspection procedures outlined in the manufacturer's literature.	There is damage to the battery or if there are missing components that preclude operation of the unit.
		NOTE: Complete ventilator maintenance will be required at a minimum of once every two years.	
3	A	**Testing Procedures**	
		a. Adjust the following controls as indicated below, per the manufacturer's literature:	
		(1) Breath Rate: 12 bpm	
		(2) Assist Sensitivity: -4cm H_2O	
		(3) Over Pressure: Maximum	
		(4) Inspiratory Time: 0.5 Seconds	
		(5) Flow: 60 lpm	
		(6) High Pressure Alarm: 5 cm H_2O above the peak reading. (To set this alarm, press the PIP button to obtain the peak pressure, then set the alarm 5 cm H_2O above the peak reading.)	
		(7) Low Pressure Alarm: 10 cm H_2O below the peak reading.	

(continued) Appendix B. Repairer PMCS

6530-01-374-8903
Portable Ventilator, Model 15304

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		NOTE: Read the entire test procedures outlined in the manufacturer's literature before performing the tests.	
		b. Internal Self Test	The automatic internal checks cannot be verified.
		(1) Alarm Silence/Reset	The alarm cannot be silenced.
		(2) Apnea Alarm	The alarm fails to activate after 20 seconds.
		(3) Breath Rate	The breath rate does not match within +/-1 bpm.
		(4) Disconnect and Low Peak Pressure Alarms	The “Disconnect” or the “Low Pressure” audible/visual alarm does not activate.
		(5) Self CAL/Display Test Mode	The unit does not display “PASS” on the monitor display. The indicators do not illuminate.
		(6) Flow	The proper flows do not display on the pneumatic test set.
		(7) High Peak Pressure Alarm	The “High Peak Pressure” audible/visual alarms do not activate and Inspiration does not terminate.
		(8) I:E Ratio Alarm	The audible and visual “I:E Ratio” alarms do not activate immediately.
		(9) Demand Flow/Assist Sensitivity	Flow of 60 lpm +/-6 lpm does not display on the pneumatic test set.
		(10) Inspiratory Time	The setting that is displayed on the ventilator does not compare to that of the pneumatic test set display.
		(11) Leak Check	The difference of the readings are not less than 5 cm H_2O.
		(12) Power Indicator	The green LED does not light.
		(13) Sigh Breath	The next breath tidal volume is not 750ml +/-75ml as measured on the pneumatic test set.

(continued) Appendix B. Repairer PMCS

6530-01-374-8903
Portable Ventilator, Model 15304

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
		(14) Over Pressure Relief	Airway pressure is not as stated in the procedure.
		(15) PEEP Not Set Alarm	Alarms do not activate.
		(16) Pressure Transducer	The pneumatic test set does not read 100cm +/-5 cm H_2O.
		(17) Battery Low/Fail Manual Breath	The “Battery Low/Fail” light does not activate as stated in the procedure.
		(18) External Power Low/Fail Alarm	The “External Power” indicator does not activate as stated in the procedure.
		(19) Anti-Suffocation Valve	The pressure displayed on the pneumatic test set goes below –4 cm H_2O.
		c. Verify that the verification/certification sticker (DD Form 2163) has a current date.	The unit has not been verified within the last six (6) months.

(continued) Appendix B. Repairer PMCS

6540-00-116-5780
Edging Machine Ophthalmic Lens, Model Horizon II

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	A	**Edging Machine**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand	Missing components or accessories prevent the operation of the edging machine.
		b. Inspect the unit for any damaged or excessively worn components.	Damaged or deteriorated components prevent the operation of the edging machine.
		c. Be familiar with the control panel as directed by the Operators Preventive Maintenance Checks and Services.	Being unfamiliar with the controls will prevent the operation of the edging machine.
2	A	**Periodic Maintenance**	
		a. Verify that the daily, bi-weekly, monthly, and periodic preventive maintenance was performed as directed by the Operator Preventive Maintenance Checks and Services.	
		b. Inspect the cutter motor brushes for wear as directed by the manufacturer's literature.	
		c. Verify electrical safety.	The edging machine fails any of the electrical safety tests.

(continued) Appendix B. Repairer PMCS

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	Q	**Analyzer Sodium, Potassium**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the analyzer.
		b. Inspect the unit for dust, dirt, damage, or excessively worn components.	Unserviceable components prevent the use of the unit.
		c. Verify electrical safety.	The analyzer fails any of the electrical safety tests.
		d. Update the Medical Equipment Verification/Certification label (DD Form 2163).	The analyzer has not been verified within the last six (6) months.
2	Q	**Installation**	
		Verify the installation of the unit according to the Operator Preventive Maintenance Checks and Services.	The unit cannot be installed.
3	Q	**Power Up Routine**	
		Verify that the unit powers up according to the Operator Preventive Maintenance Checks and Services.	The unit fails to perform the power up routine.
4	Q	**Analyzer Operational Test**	
		Verify operational test according to the Operator Preventive Maintenance Checks and Services.	The unit fails the operational test.
5	Q	**Daily Maintenance**	
		Verify the daily maintenance according to the Operator Preventive Maintenance Checks and Services.	The unit fails to perform the daily maintenance checks.
6	Q	**Quarterly Maintenance**	
		Verify the quarterly maintenance according to the Operator Preventive Maintenance Checks and Services.	

(continued) Appendix B. Repairer PMCS

6630-01-316-5085
Centrifugal Hematology Analyzer System with
QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207

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

ITEM NO	INTERVAL	ITEM TO BE INSPECTED AND PROCEDURE	IS NOT MISSION CAPABLE IF:
1	Q	**Centrifugal Hematology Analyzer System**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation.
		b. Inspect the unit for dust, dirt, damage, or excessively worn components.	Unserviceable components prevent the use of the unit.
2	Q	**Installation**	
		Verify the installation of the system is according to the Operator Preventive Maintenance Checks and Services.	System cannot be installed according to manufacturer's specifications.
3	Q	**Operational Test**	
		Verify operational test of the system according to the Operator Preventive Maintenance Checks and Services.	System fails the operational test in accordance with the manufacturer's literature.
4	Q	**Daily Calibration check, QBC II**	
		Verify the daily calibration of the unit according to the Operator Preventive Maintenance Checks and Services.	The unit fails the daily calibration in accordance with the manufacturer's literature.
5	Q	**Maintenance**	
		a. Perform maintenance inspections in accordance with manufacturer's literature.	The system or any of its components fail to perform in accordance with the manufacturer's literature.
		b. Verify electrical safety.	The system fails any of the electrical safety tests.
6	Q	c. Update the Medical Equipment Verification/Certification sticker (DD Form 2163)	The unit has not been verified within the last 12 months.

(continued) Appendix B. Repairer PMCS

6630-01-364-8555
Analyzer, Blood Gas, 4300M

[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	**Analyzer, Blood Gas (GEM Stat)**	
		a. Conduct an inventory to ensure that the items listed in the Equipment Parts or Accessories List are on hand.	Missing components or accessories prevent the operation.
		b. Inspect the unit for exterior damage such as cracks or dents. Inspect the power cord for cracks or tears.	Damage or deteriorated components prevent the operation of the unit.
		c. Verify electrical safety.	The analyzer fails any of the electrical safety tests.
2	S	**Operational Check Out**	
		a. Perform the basic system operational tests according to the manufacturer's literature. (1) Basic operation (2) Real time clock (3) Printer test (4) Clock battery test (5) Power fail test (6) Software verification (7) Keyboard test (8) Display test (9) Valve cartridge actuator test (10) Pump motor speed test (11) Printer test (12) Simulator test (13) Thermal test	The unit fails any of the basic operational tests.
		b. Update the Medical Equipment Verification/Certification label (DD Form 2163).	The unit has not been verified within the last 12 months.

(continued) Appendix B. Repairer PMCS

6630-01-376-9823
Analyzer, Clinical Chemistry, DT60

[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	**Analyzer, Clinical Chemistry**	
		a. Conduct an inventory to ensure that the items listed on the Equipment Parts and Accessories List are on hand.	Missing components or accessories prevent the operation of the DT60 system.
		b. Inspect the unit for dust, dirt, damage, or excessively worn components.	Damage or deteriorated components prevent the operation of the unit.
		c. Verify the installation of the equipment according to the Operator Preventative Maintenance Checks and Services.	
		d. Perform the procedures listed under Item 3, “Operating Instructions” in the Operator Preventative Maintenance Checks and Services.	
		e. Verify the “Calibration” procedure according to the Operator Preventative Maintenance Checks and Services.	
		f. Perform the “Instrument Care and Cleaning” procedures according to the Operator Preventative Maintenance Checks and Services.	
		g. Verify electrical safety.	The analyzer fails any of the electrical safety tests.
		h. Update the Medical Equipment Verification/Certification label (DD Form 2361).	The unit has not been verified within the last six (6) months.

Appendix C. Maintenance Allocation Chart

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Refrigerator	Inspect	C		
		Service	C		
		Test	O	01, 02, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Safety	O	20, 29	
01	Door Gasket	Inspect	C		
		Replace	O	01, 02	
02	Door Hinge	Inspect	O		
		Adjust	O	01, 02	
		Replace	O	01, 02	
03	Door Latch	Adjust	O	01, 02	
		Replace	O	01, 02	
04	Power Transformer	Test	O	20	
		Replace	O	01, 02	
05	Temperature Control Switch	Test	O	20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Replace	O	01, 02	
		Adjust	O	01, 02	
06	Lamp Ballast	Test	O	20	
		Replace	O	01, 02	
07	Temperature Recorder	Test	O	01, 02, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Repair	O	01, 02, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Replace	O	01, 02, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Calibrate	O	01, 02, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
0701	Temperature Recorder Pen	Service	C		
		Replace	C		
08	Temperature Monitor	Test	O	20	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Calibrate	O	01, 02	Calibration Plug required.
0801	Temperature Monitor Battery	Test	C		
		Replace	C		

(continued) Appendix C. Maintenance Allocation Chart

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
09	Unit Cooler	Inspect	C		
		Repair	O	01, 02	
		Replace	O	01, 02	
10	Fan Motor, AC	Inspect	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
11	Compressor Unit Refrigeration	Inspect	O		
		Service	GS	01, 02, 04	Special refrigeration tools needed.
		Repair	GS	01, 02, 04	Special refrigeration tools needed.
1101	Motor, AC	Test	DS	20	
		Replace	DS	01, 02, 03	Special refrigeration tools needed.
1102	Relay Electromagnetic	Test	O	20	
		Replace	O	01, 02	
1103	Capacitor, Fixed (Start)	Test	O	20	
		Replace	O	01, 02	
1104	Filter Drier, Refrigerant	Replace	DS	01, 02	Special refrigeration tools needed.
1105	Heating Element	Test	O	20	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-159-6922
Refrigerator, Mechanical, Blood Bank, Model 139875

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Refrigerator	Inspect	C		
		Test	C, O	19	
		Service	C, O	01, 02, 20, 29, 19	
		Repair	O	01, 02, 20, 29, 19	
		Replace	O	01, 02, 20, 29, 19	
		Overhaul	O	01, 02, 04, 20, 29, 19	
		Rebuild	D	01, 02, 04, 20, 29, 19	
01	Thermostat	Inspect	C		
		Test	C	19	
		Service	C, O	19	
		Repair	O	01, 02, 19	
		Replace	O	01, 02, 19	
		Overhaul	O	01, 02, 19	
		Rebuild	D	01, 02, 19	
02	Mode Switch	Inspect	C		
		Test	C, O		
		Service	C, O	01, 02	
		Repair	O	01, 02, 09	
		Replace	O	01, 02, 09	
		Overhaul	O	01, 02, 09	
		Rebuild	D	01, 02, 04, 09	
03	Leveling Screws	Inspect	C		
		Test	C, O		
		Service	C, O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Compressor	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	D	01, 02, 04	
		Overhaul	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-159-6922
Refrigerator, Mechanical, Blood Bank, Model 139875

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Rebuild	D	01, 02, 04	
05	Door Gasket	Inspect	C		
		Test	C		
		Service	C, O		
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-287-7111
Refrigerator, Solid State, Biological, Model DLA-50T

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Refrigerator	Inspect	C		
		Test	C	20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Service	C		
		Safety	O	29	
		Repair	O	01, 02, 04	
		Overhaul	O	01, 02, 04	
		Rebuild	D	01, 02, 03, 04	
01	Thermoelectric Assembly	Inspect	O	01	
		Test	O	01	
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	
02	Temperature Control Thermister	Inspect	O	01	
		Test	O	01, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	
03	Thermometer Thermister	Inspect	O	01	
		Test	O	01	
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	
04	Thermometer	Inspect	O	01	
		Test	O	01, 20, 19	Fluke 80TK Temp Probe or equivalent needed.
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-287-7111
Refrigerator, Solid State, Biological, Model RCB42P

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Refrigerator	Inspect	C		
		Test	C	19	Fluke 80TK Temp Probe or equivalent needed.
		Service	C		
		Safety	O	29	
		Repair	O	01, 02, 04	
		Overhaul	O	01, 02, 04	
		Rebuild	D	01, 02, 03, 04	
01	ACCU	Inspect	O	01	
		Test	O		
		Service	O	01	
		Repair	O	01	
		Replace	O	01	
02	Thermoelectric Module	Inspect	O	01	
		Test	O	01	Fluke 80TK Temp Probe or equivalent needed.
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	
03	Fans	Inspect	O	01	
		Test	O	01, 20, 19	
		Service	O	01	
		Repair	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Refrigerator	Inspect	C		
		Test	C, O	19	
		Service	O	01, 02, 20, 29, 19	
		Repair	O	01, 02, 20, 29, 19	
		Replace	O, D	01, 02, 20, 29, 19	
		Overhaul	D	01, 02, 20, 29, 19	
		Rebuild	D	01, 02, 04, 20, 29, 19	
01	Cabinet	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 29	
		Replace	O	01, 02, 20, 29	
		Overhaul	D	01, 02, 20, 29	
		Rebuild	D	01, 02, 20, 29	
02	Light Switch	Inspect	C		
		Test	C		
		Service	O	01, 02, 20, 29	
		Repair	O	01, 02, 20, 29	
		Replace	O	01, 02, 20, 29	
		Overhaul	O	01, 02, 20, 29	
		Rebuild	D	01, 02, 04, 20, 29	
03	Light Bulb	Inspect	C		
		Test	C		
		Service	C	01, 02, 20	
		Replace	C	01, 02, 20	
04	Shelving	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02	
		Replace	C	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
05	Roller Drawers	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
06	Temperature Control	Inspect	C		
		Test	C		
		Service	O	01, 02, 20, 29, 19	
		Repair	O	01, 02, 20, 29, 19	
		Replace	O	01, 02, 20, 29, 19	
		Overhaul	O	01, 02, 20, 29, 19	
		Rebuild	D	01, 02, 04, 20, 29, 19	
07	Monitor Control Panel	Inspect	C		
		Test	O	01, 02	
		Service	O	01, 02, 20, 29, 19	
		Repair	O	01, 02, 20, 29, 19	
		Replace	O	01, 02, 20, 29, 19	
		Overhaul	O	01, 02, 20, 29, 19	
		Rebuild	D	01, 02, 04, 20, 29, 19	
08	Time Clock	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02, 29	
		Repair	O	01, 02, 29	
		Replace	O	01, 02, 29	
		Overhaul	O	01, 02, 29	
		Rebuild	D	01, 02, 04, 29	
09	Condensing Unit	Inspect	C	01, 02	
		Test	O	01, 02	
		Service	O	01, 02, 29	
		Repair	O	01, 02, 29	
		Replace	O	01, 02, 29	
		Overhaul	O	01, 02, 29	
		Rebuild	D	01, 02, 04, 29	

(continued) Appendix C. Maintenance Allocation Chart

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
10	Blower Fan Assembly	Inspect	C		
		Test	O	01, 02,	
		Service	O	01, 02, 29	
		Repair	O	01, 02, 29	
		Replace	O	01, 02, 29	
		Overhaul	O	01, 02, 29	
		Rebuild	D	01, 02, 04, 29	
11	Defrost Heater	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02, 29	
		Replace	O	01, 02, 29	
		Overhaul	O	01, 02, 29	
		Rebuild	D	01, 02, 04, 29	
12	Defrost Termination and Fan Switch	Inspect	O		
		Test	O	01, 02, 29, 19	
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 29, 19	
		Replace	O	01, 02, 29, 19	
		Overhaul	O	01, 02, 29, 19	
		Rebuild	D	01, 02, 04, 29, 19	
13	Compressor	Inspect	O		
		Test	O	01, 02, 19	
		Service	D	01, 02, 04, 29, 19	
		Repair	D	01, 02, 04, 29, 19	
		Replace	D	01, 02, 04, 29, 19	
		Overhaul	D	01, 02, 04, 29, 19	
		Rebuild	D	01, 02, 04, 29, 19	

(continued) Appendix C. Maintenance Allocation Chart

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
01	Accessories	Replace	C		
02	Inhalation Check Valve	Replace	C		
03	Exhalation Check Valve	Replace	C		
04	Vaporizor Funnel	Replace	O	01	
05	Drain Plug	Replace	O	01	
06	Anesthesia Apparatus	Repair	D	01, 06	
		Calibrate	D	01, 06	
		Overhaul	D	01, 02, 06	
		Rebuild	D	01, 02, 06	
07	Oxygen Monitor	Inspect	C		
		Test	C		
		Repair	O	01	
		Calibrate	O	01	
		Overhaul	D	01	
		Rebuild	D	02	

(continued) Appendix C. Maintenance Allocation Chart

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
01	Monitor/Recorder Module	Inspect	C		Tools and Equipment not required for crew inspection.
		Service	C		Tools and Equipment not required for crew servicing.
		Test	C		Tools and Equipment not required for crew testing.
		Calibrate	O	01, 12, 20, 29	
		Repair	O	01, 12, 20, 29	
		Safety	O	01, 12, 20, 29	
02	Defibrillator Module	Inspect	C		Tools and Equipment not required for crew inspection.
		Service	C		Tools and Equipment not required for crew servicing.
		Test	C		Tools and Equipment not required for crew testing.
		Calibrate	O	01, 12, 20, 27	
		Repair	O	01, 12, 20, 27	
		Safety	O	01, 12, 20, 27	
03	Monitor/Recorder Module Battery	Test	C		Tools and Equipment not required for crew testing.
		Service	O	01	
		Inspect	O	01, 12	
		Replace	O		Tools and Equipment not required for replacing.
04	Defibrillator Module Battery	Test	C		Tools and Equipment not required for crew testing.
		Service	O	01	
		Inspect	O	01, 12	
		Replace	O		Tools and Equipment not required for replacing.

(continued) Appendix C. Maintenance Allocation Chart

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Defibrillator	Inspect	C		
		Service	C		
		Test	C	01, 12, 20	No equipment required for Crew level test.
		Calibrate	O	01, 12, 20	Defibrillator Programming Key required.
		Repair	O	01, 12, 20	
		Safety	O	12	
01	Batteries	Inspect	C		
		Service	C		
		Test	C		
		Replace	C		
02	Battery Connector Pins	Inspect	C		
		Service	C		
		Test	O	01, 20	
		Replace	O	01	
03	Recorder	Inspect	C		
		Service	O		Cotton swab and isoproply alcohol required.
		Test	O	12	
		Replace	O	01	Beware static sensitive components.
		Repair	O	01	
04	CRT Display	Inspect	C		
		Service	O		
		Test	C	12	No equipment required for Crew level test.
		Replace	O	01, 20	Read all manufacuture warnings before beginning.
		Repair	O	01	
05	Defibrillator Paddles	Inspect	C		
		Service	C		
		Test	C	12	
		Replace	C		
06	ECG and Pacer Leads	Inspect	C		
		Service	C		
		Test	C	12	No equipment required for Crew level test.
		Replace	C		

(continued) Appendix C. Maintenance Allocation Chart

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
07	Battery Support System	Inspect	C		
		Test	O	01, 12, 20	
		Service	O		
		Repair	O	01	
		Overhaul	O	12	
08	Printed Circuit Boards	Inspect	O	01, 12, 20	
		Test	O	01, 12, 20	
		Service	O	01, 12, 20	
		Replace	O	01, 12, 20	
		Repair	D	03, 12, 20	
09	Auxillary Power Module	Inspect	C		
		Test	O	01, 12, 20	
		Service	O		
		Replace	O	01	

(continued) Appendix C. Maintenance Allocation Chart

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Compressor Dehydrator	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Safety	O	17	
		Repair	O	01, 02	
		Overhaul	DS	01, 02	
		Rebuild	D	01, 02, 03	
01	Compressor Motor	Test	O	01, 02	
		Service	O	01, 02	
		replace	O	01, 02	
		Repair	O	01, 02	
		Rebuild	D	01, 02, 03	
0101	Compressor	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Rebuild	D	01, 02, 03	
0102	Intake Silencer	Test	O	01, 02	
		Replace	O	01, 02	
02	Fan Motor	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
0201	Fan Blade	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
03	Cooling Coil	Inspect	O	01, 02	
		Replace	O	01, 02	
04	Drying Chamber	Inspect	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
05	Unloader Valve	Inspect	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
06	Flow Control Valve	Inspect	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
07	Pressure Switch	Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
08	Storage Tank	Inspect	O	01, 02	
		Replace	O	01, 02	
0801	Drain Valve	Inspect	O	01, 02	
		Replace	O	01, 02	
09	Drying Chamber Disk	Inspect	O	01, 02	
		Replace	O	01, 02	
0901	Drying Chamber Tank	Inspect	O	01, 02	
		Replace	O	01, 02	
10	Pressure Gauge	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
11	Safety Valve	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
12	Case	Inspect	O	01, 02	
		Repair	DS	01, 02	
		Overhaul	D	01, 02, 03	
1201	Air Relief Valve	Inspect	O	01, 02	
		Replace	O	01, 02	
1202	Latch	Inspect	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Dental Unit	Inspect	C		
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
01	Air and Water Filters	Inspect	O	01	
		Replace	O	01	
02	Air and Water Regulators	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
03	Century II Control System	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
04	Three-Way Micro Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
05	Foot Control Valve	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
06	Signal Relay Valve	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
07	Chip Blower Valve	Inspect	O	01	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-272-4531
Dental Operating Unit, ADEC Model 3406 Porta-Cart

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
08	Three Way Toggle Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
09	Needle Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
10	Syringe	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
11	Air Vacuum System	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
12	Air Saliva Ejector	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
13	Storage Case	Inspect	O	01	
		Repair	O	01, 02	
		Overhaul	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Dental Unit	Inspect	C		Read all manufacturer's literature before beginning.
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
01	Air and Water Filters	Inspect	O	01	
		Replace	O	01	
02	Air and Water Regulators	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
03	336V009 Control System	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
04	Three-Way Micro Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
05	Foot Control Valve	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
06	Signal Relay Valve	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
07	Chip Blower Valve	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
08	Three-Way Toggle Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
09	Needle Valves	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
10	Syringe	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
11	Air Vacuum System	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
12	Air Saliva Ejector	Inspect	O	01	
		Service	O	01	
		Test	O	01	
		Repair	O	01	
		Overhaul	O	01	
13	Storage Case	Inspect	O	01	
		Repair	O	01, 02	
		Overhaul	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-398-4613
Compressor Dehydrator Dental, Model PAC 6.7

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Compressor Dehydrator	Inspect	C		
		Test	C		
		Service	C		
		Adjust	O	01, 02	
		Safety	O	29	
		Repair	O	01, 02	
		Overhaul	DS	01, 02, 03	
		Rebuild	D	01, 02, 03, 04	
01	Compressor	Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Rebuild	D	01, 02, 03, 04	
0101	Intake Filter Element	Inspect	C		
		Replace	O		
0102	Power Cord	Inspect	C		
		Replace	O	01, 02	
0103	Air Hose	Inspect	C		
		Replace	C		
02	Fan	Test	O	09	
		Replace	O	01, 02	
03	Cooling Coil	Inspect	O	01, 02	
		Replace	O	01, 02	
04	Drying Chamber	Inspect	O	01, 02	
		Replace	O	01, 02	
05	Storage Tank	Inspect	O	01, 02	
		Replace	O	01, 02	
0501	Presssure Relief Drain Valve	Inspect	O	01, 02	
		Replace	O	01, 02	
06	Dryness Indicator Disk	Inspect	C		
		Replace	O	01, 02	
07	Pressure Gauge	Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
08	Water Separator	Inspect	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6520-01-398-4613
Compressor Dehydrator Dental, Model PAC 6.7

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Replace	O	01, 02	
0801	Muffler	Inspect	C		
		Replace	O	01, 02	
09	Case	Inspect	C	01, 02	
		Repair	DS	01, 02, 03	
0901	Latches	Inspect	C		
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray Apparatus	Inspect	C		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02, 20, 05	
		Replace	O	01, 02	
		Repair	O	01, 02, 20, 21, 05	
		Overhaul	O	01, 02, 20, 21, 05	
		Rebuild	D	01, 02, 04, 20, 21, 05	
01	X-Ray Control	Inspect	C		
		Test	O	01, 02, 20, 05	
		Service	O	01, 02	
		Calibrate	O	01, 02, 20, 21, 05	
		Replace	O	01, 02	
		Repair	O	01, 02, 20, 21	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21, 05	
02	X-Ray Tubehead	Inspect	O		
		Test	O	01, 02, 20, 05	
		Replace	O	01, 02	
		Repair	D	01, 02, 04, 20	
		Rebuild	D	01, 02, 04, 20	
03	Scissor Arm	Inspect	C		**CAUTION: TO PREVENT ACCIDENTAL OPENING OF THE SPRING LOADED SCISSOR ARM, CAUSING INJURY AND ARM DAMAGE, <u>DO NOT REMOVE</u> SAFETY STRAP COMPLETELY UNLESS THE ARM IS FULLY ENGAGED IN THE COUPLING.**
		Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Patient Seat Assembly	Inspect	C		
		Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
05	Carrying Case	Inspect	C		
		Test	O		
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-303-6235

X-Ray Process Machine, Model AFP14X3MIL

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray Processor	Inspect	C		
		Test	C, O	19	Fluke 80TK thermometer probe or equivalent needed. (Do not use a mercury thermometer; it may break and contaminate the tank).
		Service	C		
		Calibrate	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 20	
01	Hose connections	Inspect	C		
		Service	O	01, 02	
		Replace	O	01, 02	
02	Exterior Panel	Inspect	C		
		Service	C		
		Replace	O	01, 02	
		Repair	O	01, 02	
03	Basic Processing System				
0301	Film Transport	Inspect	C,O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
0302	Solution Circulation	Inspect	C,O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0303	Solution and Wash Water Discharge	Inspect	C,O		
		Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
0304	Solution Heating Tempering	Inspect	O		
		Test	O	01, 02, 19	Fluke 80TK thermometer probe or equivalent needed. (Do not use a mercury thermometer; it may break and contaminate the tank).
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
0305	Dryer System	Inspect	O		
		Test	O	01, 02, 19	Fluke 80TK thermometer probe or equivalent needed. (Do not use a mercury thermometer; it may break and contaminate the tank).
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
0306	Replenishment System	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
04	Controls and Indicators				
0401	On/Off Power Switch	Inspect	C, O		
		Test	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
0402	Mains Indicator	Inspect	C,O		
		Test	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
0403	Feed Indicator	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
0404	Feed Signal	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
0405	Developer Temperature Control and Safety Thermostat	Inspect	O		
		Test	O	01, 02, 19	Fluke 80TK thermometer probe or equivalent needed. (Do not use a mercury thermometer; it may break and contaminate the tank).
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0406	Dryer Temperature Control and Safety Thermostat	Inspect	O		
		Test	O	01, 02, 19	Fluke 80TK thermometer probe or equivalent needed. (Do not use a mercury thermometer; it may break and contaminate the tank).
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
0407	Film Detector	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
0408	Replenisher Pump	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	O	01, 02	
0409	Wash Water Flow Rate Control	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Calibrate	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-312-6411
X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray Apparatus	Inspect	O		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
01	Generator	Inspect	O		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02,	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
02	Spot Film Device	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02	
		Repair	O	01, 02,	
		Replace	O	01, 02	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04	
03	Under-Table Collimator	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02, 04	
		Rebuild	D	01, 02, 04	
04	Over-Table Collimator	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-312-6411
X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Repair	O	01, 02, 20	
		Replace	O	01, 02	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04	
05	Automatic Exposure Control	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
06	Image Intensifier	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
07	Over-Table Tube	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	D	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	D	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
08	Under-Table Tube	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	D	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	D	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-312-6411
X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
09	Table	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
010	Tubestand	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray System	Inspect	O		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
01	Control Assembly	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
02	Panel Assembly, Control	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04	
03	PCB Assembly, Mother Board	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02,	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
04	PCB Assembly, Timer Board	Inspect	O		
		Test	O	01, 02, 20, 21	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02, 20, 21	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
05	PCB Assembly, Line Set	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02, 20, 21	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
06	PCB Assembly, MAS Interface Board	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02, 20, 21	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
07	Plate Assembly, Base	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
08	Switch Assembly, Exposure	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Rebuild	D	01, 02, 04, 20	
09	Case, Control Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
10	Cord, Line, Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
11	Cable Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
12	Harness Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
13	Generator Assembly	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Repair	O	01, 02, 20	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
14	Collimator Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02, 20	
		Replace	O	01, 02, 20	
		Overhaul	O	01, 02, 20	
		Rebuild	D	01, 02, 04, 20	
15	Tube Head Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	D	01, 02, 04, 20	
		Repair	D	01, 02, 04, 20	
		Replace	O	01, 02, 20	
		Overhaul	D	01, 02, 04, 20	
		Rebuild	D	01, 02, 04, 20	
16	Yoke Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
17	Chassis, Generator, Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
18	Stand Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
19	Frame Assembly, Stand	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
20	Cross Arm Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
21	Gear Box Assembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
22	Pipe Assembly	Inspect	O		
		Test	O		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

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

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
23	Container, Reuseable	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-370-7552
Portable Dental X-Ray System, Model ALPHA MPDX

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray System	Inspect	C		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	D	01, 02	
		Rebuild	D	01, 02, 04	
01	X-Ray Control Assembly	Inspect	C		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
02	X-Ray Source Assembly	Inspect	O		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0201	X-Ray Tubehead Subassembly	Inspect	O		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	D	01, 02, 04	
		Rebuild	D	01, 02, 04	
0202	Dental Cone Subassembly	Inspect	C		
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-370-7552
Portable Dental X-Ray System, Model ALPHA MPDX

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
03	Scissor Arm Assembly	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Chair Unit	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0401	Headrest Assembly	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
05	Carrying Case	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	X-Ray Apparatus	Inspect	C, O		
		Test	O	01, 02, 20, 21, 05, 14, 26	
		Service	O	01, 02, 20, 21, 05, 14, 26	
		Calibrate	O	01, 02, 20, 21, 05, 14, 26	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
01	Operator Console	Inspect	C, O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20	
		Calibrate	O	01, 02, 20, 21	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
02	Electronics Cabinet	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Calibrate	O	01, 02, 20, 21	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
03	Electronics Chassis	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20	
		Calibrate	O	01, 02, 20	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Inverter Chassis	Inspect	O		

(continued) Appendix C. Maintenance Allocation Chart

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Calibrate	O	01, 02, 20, 21	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
05	High-Tension Transformer	Inspect	O		
		Test	O	01, 02, 20, 21	
		Service	O	01, 02, 20, 21	
		Calibrate	O	01, 02, 20, 21	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
06	Cables				
0601	Power Cable	Inspect	C, O		
		Test	O		
		Service	O		
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
0602	Interconnecting Cables	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0603	High-Tension Generator Cable	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02, 20	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0604	Rotor Drive Cable	Inspect	O		

(continued) Appendix C. Maintenance Allocation Chart

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild		01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Processor System	Inspect	C		
		Test	C, O	19	
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
01	Film Sensors	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
02	Circulation Pumps	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
03	Replenisher Pumps	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
04	Transport System	Inspect	C		
		Test	C		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
05	Developer System	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
06	Fixer System	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	

(continued) Appendix C. Maintenance Allocation Chart

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
07	Cover Interlock Switch	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	O	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
08	Dryer System	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	
09	Wash System	Inspect	C		
		Test	O		
		Service	O	01, 02, 29, 19	
		Repair	O	01, 02, 20, 21, 19	
		Replace	O	01, 02, 20, 21, 19	
		Overhaul	D	01, 02, 04, 20, 21, 29, 19	
		Rebuild	D	01, 02, 04, 20, 21, 29, 19	

(continued) Appendix C. Maintenance Allocation Chart

6530-00-926-2151
Sterilizer, Surgical Dressing 16X36 in., Model M-138

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Sterilizer	Inspect	C		
		Test	O	01, 02	
		Electrical Safety Test	O	01, 02, 20, 29	
01	Heater Assemby	Test	O	01, 02, 29	
		Replace	O	01, 02	
02	Control Box Assembly	Inspect	O	01, 02	
		Repair	O	01, 02, 29	
0201	Relay, Armature	Test	O	01, 02, 29	
		Replace	O	01, 02	
0202	Pressure Control	Test	O	01, 02, 29	
		Replace	O	01, 02	
0203	Pilot Light	Test	O	01, 02, 29	
		Replace	O	01, 02	
0204	Lamp, Neon	Test	O	01, 02, 29	
		Replace	O	01, 02	
0205	Switch, Toggle	Test	O	01, 02, 29	
		Replace	O	01, 02	
0206	Switch, Low Water Cut-off	Test	O	01, 02, 29	
		Replace	O	01, 02	
0207	Block, Terminal	Replace	O	01, 02	
03	Operating Valve Assembly	Test	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
04	Door Assembly	Test	O	01, 02	
		Service	O	01, 02	
		Repair	O	01, 02	
0401	Packing, Preformed (Door Gasket)	Inspect	C		

(continued) Appendix C. Maintenance Allocation Chart

6530-00-926-2151
Sterilizer, Surgical Dressing 16X36 in., Model M-138

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Replace	O	01, 02	
05	Vacuum Dryer Assembly	Test	O	01, 02	
		Replace	O	01, 02	
06	Gauges	Inspect	C		
		Test	O	01, 02	
		Replace	O	01, 02	
07	Timer	Test	O	01, 02	
		Replace	O	01, 02	
08	Case, Transport	Inspect	C		
		Repair	O	01, 02	
		Overhaul	D	04	
09	Shelves	Inspect	C		
		Replace	C		
10	Chamber	Inspect	C		
		Replace	O	01, 02	
		Overhaul	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Ventilator	Inspect	O	01, 02, 06	
		Test	O	01, 02, 06, 20, 29	Perform an electrical safety inspection.
		Service	O	01, 02	
		Calibrate	O	01, 02, 06, 20	
		Replace	O	01, 02, 20	
		Repair	O	01, 02, 06, 20	
		Overhaul	O	01, 02, 06, 20	
		Rebuild	D	01, 02, 06, 20	
01	Control Module			01, 02, 04, 06, 20, 21, 29	
0101	Battery Pack	Test	O	01, 02, 20	
		Service	O	01, 02	
		Replace	O	01, 02	
0102	Battery Compartment Door	Inspect	O	01, 02	
		Align	O	01, 02	
		Replace	O	01, 02	
0103	Cover	Inspect	O	01, 02	
		Service	O	01, 02	
		Align	O	01, 02	
		Replace	O	01, 02	
0104	Case, Lower	Inspect	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
0105	Linear Regulators PCB	Test	O	01, 02, 06, 20, 21	
		Replace	O	01, 02	
		Repair	O	01, 02, 06, 20, 21	
0106	Analog/Power Supply PCB	Test	O	01, 02, 06, 20, 21	
		Replace	O	01, 02	
		Repair	O	01, 02, 06, 20, 21	
0107	CPU PCB	Test	O	01	

(continued) Appendix C. Maintenance Allocation Chart

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
0108	Display PCB	Test	O	01, 02, 20, 21, 29	Perform an electrical safety inspection.
		Replace	O	01, 02, 09, 21	
		Repair	O	01, 02, 20, 21	
0109	Membrane Panel	Test	O	01, 02, 20, 21	
		Replace	O	01, 02, 20, 21	
		Repair	D	01, 02, 04, 20, 21	
0110	Connector Panel	Test	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Rebuild	D	01, 02, 04, 20, 21	
0111	Manifold Assembly	Test	O	01, 02, 06	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Rebuild	D	01, 02, 04, 06	
0112	External Power Jack	Test	O	01, 02, 20, 29	Perform an electrical safety inspection.
		Replace	O	01, 02, 20	
02	Multivoltage Power Supply	Test	O	01, 02, 20, 29	Perform an electrical safety inspection.
		Adjust	O	01, 02, 20, 21	
		Replace	O	01, 02, 20, 21	
		Repair	O	01, 02, 20, 21	
		Overhaul	O	01, 02, 04, 20, 21	
03	Patient Valve	Inspect	O	01, 02	
		Test	O	01, 02, 06	
		Replace	O	01, 02, 06	
04	Case	Inspect	O	01, 02	
		Service	O	01, 02	
		Align	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
05	Accessories	Inspect	O	01, 02	
		Service	O	01, 02	
		Replace	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6530-01-374-8903
Portable Ventilator, Model 15304

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Ventilator	Inspect	C		
		Test	O	01, 02, 06, 20, 21, 29	
		Service	O	01, 02, 06, 20, 21, 29	
		Calibrate	O	01, 02, 06, 20, 21, 29	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
01	Controls	Inspect	O	01, 02, 06, 20, 21, 29	
		Test	O	01, 02, 06, 20, 21, 29	
		Service	O	01, 02, 06, 20, 21, 29	
		Calibrate	O	01, 02, 06, 20, 21, 29	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
02	Alarms	Inspect	C		
		Test	O	01, 02	
		Service	O	01, 02, 06, 20, 21, 29	
		Calibrate	O	01, 02, 06, 20, 21, 29	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
03	Monitor	Inspect	O		

(continued) Appendix C. Maintenance Allocation Chart

6530-01-374-8903
Portable Ventilator, Model 15304

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Test	O	01, 02, 06, 20, 21, 29	
		Service	O	01, 02, 06, 20, 21, 29	
		Calibrate	O	01, 02, 06, 20, 21, 29	
		Replace	O	01, 02,	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Case	Inspect	C		
		Test	C		
		Service	O	01, 02	
		Replace	O	01, 02	
		Repair	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	

(continued) Appendix C. Maintenance Allocation Chart

6540-00-116-5780
Edging Machine Ophthalmic Lens, Model Horizon II

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Edging Machine	Inspect	C		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Safety	O	17	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
01	Cutter Motor	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
02	Cutter Motor Controller	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
03	Control Panel	Inspect	C		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
04	Lens Drive Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6540-00-116-5780
Edging Machine Ophthalmic Lens, Model Horizon II

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Replace	O	01, 02	
		Overhaul	O	01, 02	
05	Lens Drive Brake	Inspect	C		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
06	Solenoid Valve	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
07	Solenoid Valve Block Assembly	Inspect	O		
		Test	O	01, 02, 20	
		Service	O	01, 02	
		Adjust	O	01, 02	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	

(continued) Appendix C. Maintenance Allocation Chart

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Analyzer, Sodium Potassium	Install	C		
		Inspect	C		
		Service	C		
		Test	O	01, 20, 29	Requires electrode fill solution.
		Calibrate	O	01	Requires calibrants and reagents.
		Repair	O	01, 02, 20, 29	
		Rebuild	D	01, 02, 03, 20, 29	

(continued) Appendix C. Maintenance Allocation Chart

6630-01-316-5085
Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	QBC II Reader Model 4477	Install	C		
		Inspect	C		
		Service	C	01, 20, 29	
		Test	O	01, 20, 29	
		Calibrate	O	01	Requires calibration check tubes – venous and capillary modes.
		Repair	O	01, 02, 20, 29	
		Refurbish	D	01, 02, 03, 20, 29	
01	QBC Centrifuge Model 4207	Install	C		
		Inspect	C		
		Service	C		
		Test	O	01, 25, 29	Requires a stopwatch, 1-second accuracy.
		Calibrate	O	01, 25, 21	
		Repair	O	01, 02, 25, 21, 29	
		Refurbish	O	01, 02, 03, 25, 21, 29	
02	Work Station	Install	C		
		Inspect	C		
		Replace	C		
03	Voltage Step-down Transformer	Install	C		
		Inspect	C		
		Test	O	01, 20	
		Replace	O		

(continued) Appendix C. Maintenance Allocation Chart

6630-01-364-8555
Analyzer, Blood Gas, Model 4300M

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	Analyzer, Blood Gas	Inspect	C		
		Test	C		
		Service	C	01	
		Safety	O	29	
		Repair	O	01	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 03, 04	

(continued) Appendix C. Maintenance Allocation Chart

6630-01-376-9823
Analyzer, Clinical Chemistry, DT60

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
00	DT 60	Inspect	C		
		Test	C		
		Service	C		
		Safety	O	29	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02	
01	DT60 II	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0101	FORS Weight	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
0102	Pressure Pad	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
0103	Preheat Station	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
02	DTE II Module	Inspect	C		

(continued) Appendix C. Maintenance Allocation Chart

6630-01-376-9823
Analyzer, Clinical Chemistry, DT60

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Test	C		
		Service	C		
		Safety	O	29	
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0201	Electrometer Nose Section	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
0202	Sample Holder	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
03	DTSC II Module	Inspect	C		
		Test	C		
		Service	C	29	
		Safety	O	01, 02, 20, 21	
		Repair	O	01, 02	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
		Rebuild	D	01, 02, 04	
0301	Operator Access Cover	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
0302	Preheat Heater Arm	Inspect	C		

(continued) Appendix C. Maintenance Allocation Chart

6630-01-376-9823
Analyzer, Clinical Chemistry, DT60

[C – Operator or Crew; O – Unit Maintenance; DS – Direct Support Maintenance; GS – General Support Maintenance; D – Depot Maintenance]

(1) GROUP NUMBER	(2) ASSEMBLY GROUP	(3) MAINTENANCE FUNCTION	(4) MAINTENANCE LEVEL	(5) TOOLS AND EQUIPMENT	(6) REMARKS
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	
0303	Read Station Heater Arm	Inspect	C		
		Test	C		
		Service	C		
		Repair	O	01, 02, 20, 21	
		Replace	O	01, 02	
		Overhaul	O	01, 02	

Appendix D. Equipment Parts and Accessories List

4110-01-117-3902
Refrigerator, Mechanical, Blood Bank, Model BBR37-SS-1B-01

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operators/Service Manual	PRF 117	2	1	1
2	Sensor Temperature	6685-01-279-4144	1	1	1
3	Bottle, Screw Cap	6640-01-279-9631	1	1	1
4	Key Winding Chart Drive	RDR027	1	1	1
5	Calibration Plug	4110-01-279-6541	1		1
6	Blood Temperature Recorder Paper	J7-12-43-8	1	1	1
7	Glycerol, Technical **NOTE: Glycerol is not provided with refrigerator.**	6810-00-264-6548		1	1

(continued) Appendix D. Equipment Parts and Accessories List

4110-01-159-6922
Refrigerator, Mechanical, Blood Bank, Model 139875

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Manual		2	1	1

(continued) Appendix D. Equipment Parts and Accessories List

4110-01-287-7111
Refrigerator, Solid State, Biological, Model DLA-50T

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Maintenance Manuals	DLA-50T-MM1	2		1
2	Operation Manuals	DLA-50T-OP1	2	1	1
3	Power Supply	PS-50B	1	1	1
4	Wire Basket	WB-30B	1	1	1
5	DC Power Cable	PC-30B	1	1	1
6	Temperature Recorder	DTR-50-10	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

4110-01-287-7111
Refrigerator, Solid State, Biological, Model RCB42P

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Maintenance Manuals	820.9502.00	1		1
2	Operation Manuals	820.9502.89	2	1	1
3	Circular connector 12 – 24 V DC	292.9872.00.850	1	1	1
4	Circular connector 110 – 120 V AC	292.9871.00.850	1	1	1
5	Circular connector 220 – 240 V AC	292.9870.00.850	1	1	1
6	Basket	292.9427.11.640	2	2	2

(continued) Appendix D. Equipment Parts and Accessories List

4110-01-352-3653
Refrigerator, Mechanical, Blood Bank, Model FT2TRBLB

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Manual	N/A, Manufacturer will fax free upon request.	0	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operators/Service Manual	0178-1757-00	1	1	1
2	Canister and Housing, Consisting of:	0219-1567-800	2	2	2
	a. Metal Guard	0219-1571-300	1	1	1
	b. Grounding Clip	0203-5120-300	1	1	1
	c. Canister	0212-1071-200	1	1	1
	d. Gasket	0210-1210-300	1	1	1
	e. Seal	0210-1218-300	1	1	1
	f. Screen	0219-1723-100	1	1	1
3	Open End Wrench, 1 and 1/8” – 15/16”	0203-2131-300	1	1	1
4	Open End Wrench, ¾” – 7/8”	0203-2119-300	1	1	1
5	Flow Calculator with Mtg. Pad	0205-7101-810	1		
6	Tee Valve Wrench	0219-3405-700	1	1	1
7	Allen Wrench 3/16 Hex	0203-2061-300	1	1	1
8	Y-Inhaler	0219-4532-100	1	1	1
9	Mask Elbow	0219-4943-100	1	1	1
10	Masks:			1	
	a. Large Adult	0309-0388-801	1		
	b. Medium Adult	0309-0387-801	1		
	c. Child	0309-0628-300	1		
	d. Infant	0309-0627-300	1		
	e. Newborn	0309-0626-300	1		
11	Plastic Vials				
	a. Small Vial	0205-7369-300	1	1	1
	b. Extra Check Valve Discs	0210-5295-100	2	2	2
	c. Medium Vial	0205-7372-300	1	1	1
	d. Extra Cylinder Gaskets	0205-7433-810	10	10	10
	e. Large Vial	0205-7377-300	1	1	1
	f. Extra Funnel Plug With Chain	0216-1925-700	1	1	1
	g. Extra Drain Plug With Chain	0216-1931-700	1	1	1
12	Glides	0415-9015-300	4	4	4
13	Casters	1015-3001-00	4	4	4

(continued) Appendix D. Equipment Parts and Accessories List

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
14	Large Cylinder Adapters				
	a. Oxygen	0204-2660-800	1	1	1
	b. Nitrous Oxide	0204-2660-802	1	1	1
	c. Protective Closure Devices	0216-1401-700	4	4	4
15	Gasket Absorber	0210-1210-300	1	1	1
16	Instrument Tray	0215-0530-300	1	1	1
17	Cylinder Holder	0215-0532-300	1	1	1
18	Gas Evacuation Tubing 5’ lengths, 19mm	0225-0808-700	2	2	2
19	Connector 19mm	0213-2957-500	1	1	1
20	Instrument Tray With Oxygen Monitor Case	0215-0531-300	1	1	1
21	Gas Supply Hose, Oxygen			1	1
	a. Long (114”)	0211-8995-801	1		
	b. Short (40”)	0211-8995-800	1		
22	Regulator Assemblies, Oxygen	0306-1480-800	2	2	2
23	Head Strap	0211-1676-700	1	1	
24	Breathing Tubes, Long, Corrugated, 32”	0211-9004-800	2	2	2
25	Short Breathing Tube, Corrugated, 10 ½”	0211-9012-800	1	1	1
26	Small Breathing Bag 1 Liter	0216-4608-80	1	1	1
	a. Bushing	0219-4909-538	1	1	1
	b. Scavenging Valve	0207-8114-800	1	1	1
27	Large Breathing Bag 3 Liter	0211-2801-801	1	1	1
28	Clipboard	0216-4600-800	1		
29	Regulator Assemblies, Nitrous Oxide	0306-1481-800	2	2	2
30	Gas Supply Hose, Nitrous Oxide				
	a. Long (114”)	0211-8995-803	1	1	1
	b. Short (40”)	0211-8995-802	1	1	1
31	Pediatric Supply Hose				
	a. Connector	0216-4612-550	1	1	1
	b. Adapter	0219-4912-738	1	1	1
32	Oxygen Flowmeter (Metabolic)	0214-4478-802	1	1	1
33	APL (Adjustable Pressure Limiting)	0207-8199-800	1	1	1
34	Breathing Circuit Pressure Gauge	0205-8434-300	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6515-01-185-8446
Anesthesia Apparatus, Nitrous Oxide, Model 885A

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
35	Anesthetic Vaporizer	0309-2002-800	1	1	1
36	Pressure Relief Valve (Non-Adjustable)		1	1	1
37	Nitrous Oxide Flowmeter	0214-4478-803	1	1	1
38	Vaporizer Oxygen Flowmeter	0214-4478-801	1	1	1
39	Upper/Lower Case	3737	1	1	1
40	Oxygen Monitor	0304-2178-800	1	1	1
	a. Cable Assembly	0237-2030-700	1	1	1
	b. Sensor Cartridge	0237-2034-700	1	1	1
	c. Batteries, Size C, Alkaline		3	3	3
	d. Strap	0203-1488-300	1	1	1
	e. Sensor Tee	0212-0763-100	1	1	1
41	Wheels	0415-78120-300	4	4	4

(continued) Appendix D. Equipment Parts and Accessories List

6515-01-291-1199
Defibrillator ECG Monitor/Recorder, Model HP 43110MC

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operating Instructions	43201-91908	1	1	1
2	Redux Paste	651-1008-050	1	1	
3	Redux Gel 402	651-1024-050	1	1	
4	Printer Paper	40453A	3rl	3rl	1
5	Holding Straps	14030A	1pk	1pk	
6	Welsh Electrode	14324A	1	1	
7	Limb Electrodes	9301-91908	4	4	
8	5-Lead Electrode Lead Set	43201-61610	1	1	1
9	ECG Ruler	1530-1239	1	1	
10	Limb Plt. W/Snap	9301-1149	1pk	1pk	
11	Welsh Electrode	14324A	1	1	

(continued) Appendix D. Equipment Parts and Accessories List

6515-01-453-4003
Defibrillator ECG Monitor/Recorder, LIFEPAK 10

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Defibrillator/Monitor/Pacemaker	804200-28	1	1	1
2	Defibrillator/Monitor/Pacemaker Operating Instruction	806681	1	1	1
3	LIFEPAK 10, Physio-Control-Service Manual	804271-05	1	1	1
4	Battery Support System	801807	1	1	1
5	Battery Support System, Operating Instructions	802371-003	1	1	1
6	Battery Support System, Operating Instruction Summary	803595-001	1	1	1
7	Battery Support System, Service Manual	802065-05	1	1	1
8	A.C. Auxiliary Power Module	804217	1	1	1
9	FASTPAK Battery	9-10424-09	3	3	3
10	90 Degree Angled ECG Cable, 3-Lead	805400	1	1	1
11	ECG Paper	804700-003	1	1	1
12	Life-Patch ECG Electrodes	800139-030	1	1	1
13	Pacing Cable	802905	1	1	1
14	QUIK-PACE Disposable Noninvasive Pacing Electrodes	803377-101	1	1	1
15	Battery Support System w/ Power Cord	801807-21	1	1	1
16	A.C. Auxiliary Power Module w/ Power Cord	073-20675-40	1	1	1
17	Pediatric Paddle, External, 2ea	800418	2	2	2
18	Battery Maintenance Forms:				
	a. Battery Reconditioning Procedure	806017	1	1	1
	b. Battery Shelf Life Test	806018	1	1	1
	c. Battery Maintenance Log	806019	1	1	1
19	LIFEPAK 10 Defibrillator Carrying Case (soft case)	806431-05	1	1	1
20	In-service Video: “Care and Maintenance of the NiCad Battery and the Battery Support System”	806008-00	1	1	1
21	LIFEPAK 10 In-service Video	805156-003	1	1	1
22	Inspection and Testing Checklist	806434-001	1	1	1
23	Programming Key	201316-000	1	1	1
24	DERMA JEL Electrode Gel	9-10236	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6520-00-139-1246
Compressor Dehydrator, Dental, M5 Series

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Hose, Air Supply Assembly, 10ft	88112	2	1	1
2	Technical Manual	8-6520-003-24&P	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6520-01-272-4531
Dental Operating Unit, ADEC Mdl 3406 Porta-Cart

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operator/Service Manual	65-634	2	1	1
2	Century II Automatic Control System for Two Handpieces	38-0191-00	1	1	1
3	Air Coolant Flow Control	13-0361-00	1	1	1
4	Water Coolant On-Off Toggle	33-0048-00	1	1	1
5	Water Coolant Flow Control for each Handpiece	13-0361-00	1	1	1
6	Drive Air Pressure Gauge	026-009-00	1	1	1
7	Disc Type Foot Control with Chip Blower Button	38-0251-00	1	1	1
8	Self Contained Two-Quart Water Tank	36-0023-00	1	1	1
9	Water Pressure On-Off Toggle	33-0048-00	1	1	1
10	Air Vacuum System	10-0729-00	1	1	1
11	AVS Handpiece Assembly	10-0716-00	1	1	1
12	Oral Evacuator Flow Control	13-0361-00	1	1	1
13	Air Saliva Ejector with Solids Separator	12-0070-00	1	1	1
14	Polypropylene Waste Bottle	17-0270-00	1	1	1
15	Soft Touch Button Syringe with Coiled Tubing	23-0088-00	1	1	1
16	Quick-Disconnect Water Outlet	026-065-00	1	1	1
17	Adjustable Height Frame	36-0015-00	1	1	1
18	Fiberglass Carrying Case	36-0070-00	1	1	1
19	Stainless Steel Tray, 15 1/8” x 10 5/8”	043-003-00	1	1	1
20	Two Coiled Handpiece Tubing with Midwest-Connectors	98-0448-00	1	1	1
21	10 Foot Air Supply Tubing with Quick Disconnects	45-0182-00	1	1	1
22	Water Tank Filler Funnel	009-003-00	1	1	1
23	Stainless Steel Dry Oral Cup	11-0450-00	1	1	1
24	Stainless Steel Oral Evacuator Tips	10-0010-00	1	1	1
25	Porta-Cart Accessory Kit	36-0089-00	1	1	1
	a. Case	36-0084-00	1	1	1
	b. Caster	16-0080-00	4	4	4
	c. Service Kit, Air-Filter/Regulator	90-0030-00	1	1	1
	d. Service Kit, Century II	90-0308-00	1	1	1
	e. Stainless Steel Tip	10-0010-00	2	2	2
	f. Male ¼" Quick-Disconnect	026-035-00	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6520-01-272-4531
Dental Operating Unit, ADEC Mdl 3406 Porta-Cart

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
	g. Water Cup Filler Tube	17-0240-00	1	1	1
	h. ¾" Open End Wrench	009-004-00	1	1	1
	i. ½" Diameter Brush	049-001-00	1	1	1
	j. Offset Screwdriver	009-001-00	1	1	1
	k. Plastic Sleeve Tool	98-0072-00	1	1	1
	l. Syringe Tips	23-0872-00	2	2	2
	m. Syringe Service Kit	90-0310-00	1	1	1
	n. AVS Locking Button Kit	10-0600-00	1	1	1
26	Star Futura F303 High Speed Handpiece	53874	1	1	1
27	Star Titan 2 TA202M	3055	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operator/Service Manual	336M001	1	1	1
2	Control System	336V009	1	1	1
3	Disc Type Foot Control with Chip Blower Button	336V008	1	1	1
4	Waste Bottle with Solid Separator	336H005	1	1	1
5	3-way Syringe with Coiled Tubing	336I101	1	1	1
6	Quick-Disconnect Water Outlet	336F012 and 336A006	1	1	1
7	Adjustable Height Frame				
	a. Base	336S001	1	1	1
	b. Screw	336S005	1	1	1
	c. Adjustable Rest Pad	336S003	4	4	4
	d. Cushion Bumper	336S006	4	4	4
	e. Inner Member	336U005	1	1	1
	f. Plastic Lock	336U002	1	1	1
	g. Knob	336U003	1	1	1
	h. Outer Member	336U001	1	1	1
	i. Thumbscrew Knurl	336U005	1	1	1
	j. Assembly Plate	336U006	1	1	1
	k. Screws	336U007	4	4	4
8	Polyethylene Carrying Case	336C101	1	1	1
9	Coiled Handpiece Tubing with Midwest Connectors	336I105	2	2	2
10	10 Foot Air Supply Tubing with Quick Disconnects	336T010	1	1	1
11	Stainless Steel Dry Cuspidor	336H012	1	1	1
12	Stainless Steel Oral Evacuator Tips	336H016	3	3	3
13	Star Futura High Speed Handpiece	336I102	1	1	1
14	Star Futura Low Speed Motor	336I103	1	1	1
15	Star Low Speed Now Cone	336I104	1	1	1
16	Remote Adapter	336A009	1	1	1
17	FUS336 Accessory Kit				
	a. Quick Disconnect	336A006	1	1	
	b. Syringe Tips	336A008	1	1	
	c. HVE Button Kit	336A005	1	1	
	d. 3-way Syringe Kit	336A001	1	1	
	e. Tubing Tool	336A004	1	1	
	f. Handpiece Lubricant	336A011	1	1	

(continued) Appendix D. Equipment Parts and Accessories List

6520-01-333-5961
Operating and Treatment Unit, Dental, Model FUS336

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
	g. Air Regulator Kit	336A002	1	1	
	h. Control Block Kit	336A003	1	1	
	i. Ball Casters	336S004	4	4	
	j. Allen Wrench	336A010	1	1	

(continued) Appendix D. Equipment Parts and Accessories List

6520-01-398-4613
Compressor Dehydrator, Dental, Model PAC 6.7

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Interconnecting Air Hoses; 10-foot section with appropriate connectors (connects Compressor to Dental Operating and Treatment Unit).	PAC6.7-035	2	1	1
2	Technical Manual; Complete Operating and Maintenance Instructions.	PAC6.7M	2	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-099-2320
X-Ray Apparatus Field Dental, Model D3152

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Scissor Arm	58 05 346 D 3019	1	1	1
2	X-ray Tubehead	53 37 241 X 1341	1	1	1
3	X-ray Control	58 75 885 D 3152	1	1	1
4	Seat Assembly	59 30 821 D 3152	1	1	1
5	Head Rest Assembly	59 31 969 D 3152	1	1	1
6	Transformer	29 78 245 D 3152	1	1	1
7	Leveling Brackets	29 64 567 D 3152	1	1	1
8	Upright Support Bracket	29 64 583 D 3152	1	1	1
9	Safety Pin	59 30 854 D 3152	2	2	2
10	Support Left	29 64 591 D 3152	1	1	1
11	Support Right	29 64 609 D 3152	1	1	1
12	Operating Instructions	29 82 239 D 3152	2	1	1
13	Maintenance Instructions	58 92 617 D 3152	2	1	1
14	Lead Cap	58 83 194 D 3152	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-303-6235
X-Ray Process Machine, Model AFP14X3MIL

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operator and Maintenance Manual	575-006003	2	1	1
2	Processor	No Longer Available	1	1	1
3	Water Inlet Hose	No Longer Available	1	1	1
4	Drain Hose	No Longer Available	1	1	1
5	Over-Flow Drain Hose	No Longer Available	1	1	1
6	220V Hospital Grade Plug	No Longer Available	1	1	1
7	Quick Disconnect (Water Inlet)	No Longer Available	1	1	1
8	Plumbing Installation Kit	No Longer Available	1	1	1
9	Replenishment Tanks (11 gal, Developer, Fix.)	9992301001	2	2	2
10	Line Cord (115V)	0000091564	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-312-6411
X-Ray Apparatus, Radiographic/Fluoroscopic, Model CS-8952

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Tools				
2	Manuals, Service (2 Volumes), and Operator	9023.400	1 set	1	1
3	Tubestand	CTC	1	1	1
4	X-Ray Table	5736.062.02	1	1	1
5	Radiation Shield		1	1	1
6	X-Ray Generator control	MXR-350	1	1	1
7	Mobile Cassette Stand, with Shipping Crate		1	1	1
8	Spot Film Device, with Shipping Crate	EXT-950 (DPSC)	1	1	1
9	Transformer, High Voltage		1	1	1
10	Auxiliary Cabinet		1	1	1
11	X-Ray Tube, Over-Table, with Shipping Crate	RAD-13	1	1	1
12	X-Ray tube, Under-Table, with Shipping Crate	RAD-14	1	1	1
13	Collimator, Over-Table, with Shipping Crate	70-08040 LINEAR II (DPSC)	1	1	1
14	Collimator, Under-Table, with Shipping Crate	LINEAR FSE	1	1	1
15	Image Intensifier, with Shipping Crate		1	1	1
16	Interconnecting Cables				
17	Patient Handgrips	5236.500.02	1 set	1 set	1 set
18	Urological Knee Crutches	5436.504.02	1 set	1 set	1 set
19	Compression Band Device	5536.500.01	1	1	1
20	Shoulder Rest	5536.504.01	1 set	1 set	1 set
21	Foot Rest	5536.504.02	1 set	1 set	1 set
22	Head Clamp	9491.201	1	1	1
23	Over-Table HV Cables		1 set	1 set	1 set
24	Under-Table HV Cables		1 set	1 set	1 set

(continued) Appendix D. Equipment Parts and Accessories List

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

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operator/Service Manual	Model 1200 Service Manual	2	1	1
2	Control Assembly	500507	1	1	1
3	Exposure Switch Assembly	500512	1	1	1
4	X-Ray Generator Assembly	500542	1	1	1
5	Stand Assembly	500592	1	1	1
6	Reusable Storage Container	201047	1	1	1
7	Line Cord	500081	1	1	1
8	Interconnecting Cable Assembly	500595	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-370-7552
Portable Dental X-Ray System, Model ALPHA MPDX

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Carrying Case Unit	500883	1	1	1
	Parts Shipped in Cover				
2	a. Chair Unit	500892	1	1	1
3	1. Seat	218110	1	1	1
4	2. Backrest	218111	1	1	1
5	3. Headrest	218108	1	1	1
6	4. Supporting assemblies	800327	1	1	1
7	b. Truss Arm	500914	1	1	1
8	c. Telescopic Leg	218117	1	1	1
	Parts Shipped in Case Lower Section				
9	a. X-Ray Unit	500876	1	1	1
10	1. X-Ray Control Assembly	500877	1	1	1
11	2. X-Ray Source Assembly	500891	1	1	1
12	3. Scissor Arm Assembly	500882	1	1	1
13	b. Steel Support Braces, Identical	102860	2	2	2
14	c. Extension Tube	500885	1	1	1
15	d. Leveling Brackets/Leveling Pads	500884	4	4	4
16	e. Dental Cone	500897	1	1	1
17	f. Line Cord	500139	1	1	1
18	g. Exposure Switch	500902	1	1	1
19	h. Operation Manual	500893/OM	1	1	1
20	i. Maintenance Manual	500893/MM	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operators Literature		2	1	1
2	Service Literature		2	1	1
3	Generix- SynerGen- Console	1173	1	1	1
4	Control Unit CLINIX VP4	1184	1	1	1
5	HT- Generator	1243	1	1	1
6	CLINIX VP4	1342	1	1	1
7	Column Assembly	1738	1	1	1
8	Control Handle	15675	1	1	1
9	Collimator	20 3072	1	1	1
10	Cable Set	1738-4-6	1	1	1
11	Addition Kit for EP-Bucky Assembly	1342-5	1	1	1
	a. Rule	088183	2	2	2
	b. Roller	086390	4	4	4
	c. Cable	087756	1	1	1
	d. Tesamoll Tape, 30 mm x 6mm,White	070304	1	1	1
	e. Bracket	040808	2	2	2
	f. Cover for Bucky	087521	1	1	1
	g. Bracket, Left	086579	1	1	1
	h. Bracket, Right	086580	1	1	1
	i. Spring	053548	2	2	2
	j. Bracket	088125	1	1	1
	k. Knurled Screw	055278	1	1	1
12	Accessories				
	a. Lateral Cassette Holder	097789	1	1	1
	b. Compression Immobilizing Device	097787	1	1	1
	c. Patient Hand Grip	097786	2	2	2
	d. Radio Lucent Bands	448606	2	2	2
13	X- Ray Transport Device	083282	1	1	1
	a. Base Frame	087836	1	1	1
	b. Support	087839	1	1	1
	c. Support	087840	1	1	1
	d. Cover	087841	1	1	1
	e. Spring plug	448703	4	4	4
	f. Ring	038900	4	4	4
	g. Column Support	087842	2	2	2

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-384-9296
X-Ray Apparatus, Model LCROKS

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
	h. Base	087865	1	1	1
	i. Stirrup	088055	2	2	2
	j. Z- Locking Pliers	083534	1	1	1
	k. Bracket	088067	1	1	1
14	Bucky Assembly	15669, 15676, 15682	1	1	1
15	Cassette Size Sensing Tray	15665	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Tank/Frame Unit	0000021257-2	1	1	1
2	Side Cover	0000021421	2	2	2
3	Cover, Elect. Door W/Temp Readout	0000021620	1	1	1
4	Panel, Drain	0000021700	1	1	1
5	Clamp, Panel, Drain	0000021701	3	3	3
6	Tank, 7 Gal. Replenisher	568-007074	2	2	2
7	Dip Tube Assy, Repl. Tank	0000021762-1	2	2	2
8	Int. Switch Hold Down Tool	0000021801	1	1	1
9	Front Top Cover	000002185	1	1	1
10	Rear Top Cover	000002186	1	1	1
11	2-Piece Top Cover Set	0000021865	1	1	1
12	Rear Top Cover (Rear Exit)	0000021881	1	1	1
13	Foot, Molded	0000022003	4	4	4
14	Film Feed Tray	0000022141	1	1	1
15	Feed Tray Cover	0000022142	1	1	1
16	Floating Lid	568-007064	1	1	1
17	Switch, Rocker, High/Low Speed	0000037058	1	1	1
18	Manual Replenishment Switch	0000037112	1	1	1
19	Circuit Breaker, 15 Amp	0000037283	1	1	1
20	Leveling Foot	0000044755	4	4	4
21	Interrupter Switch	0000037051	1	1	1
22	Elbow, ½"	0000046251-C	3	3	3
23	Spring, Compression	0000047833	4	4	4
24	Ball Valve, Drain	0000087220	3	3	3
25	Wash Water Hose	0000046291-B	1	1	1
26	Hose Gasket	0000046300-A	2	2	2
27	Tubing, ½" I.D. X 11/16" O.D. Clear	9526062640	4 ft.	4 ft.	4 ft.
28	Tubing, ½" I.D. X 11/16" O.D. Red	9527062640	4 ft.	4 ft.	4 ft.
29	Tubing, ½" I.D. X 11/16" O.D. Blue	9528062640	4 ft.	4 ft.	4 ft.
30	Lid	568-007079	1	1	1
31	Developer Rack	0000021764	1	1	1
32	Fixer Rack	0000021765	1	1	1
33	Wash Rack	0000021766	1	1	1
34	Accessory Kit	9995127303	1	1	1
	a. Lube #1	L80400003	1	1	1
	b. Lubriplate #630-AA, 2 Oz. Tube	055-000013	1	1	1
	c. Fuse, 1A, Littlefuse 216.001	0000032084	2	2	2

(continued) Appendix D. Equipment Parts and Accessories List

6525-01-422-6122
X-Ray Processor with Daylight Loader, Model MM190

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
	d. Fuse, 5A, Littlefuse 218.005	0000032085	2	2	2
	e. Fuse, 1/2A, Littlefuse 218.500	0000032083	2	2	2
	f. Cotter Pin, S.S., 1/16" X 1"	0000041550-B	6	6	6
	g. Gear, Worm	0000021306-K	2	2	2
	h. Wingnut, Nylon, 10-32	000-05300-AH-R	3	3	3
	i. Thumbscrew, Nylon, 10-32 X ½"	000-01008-AW-R	3	3	3
	j. "O" Ring, 1/16", Size 008	0000045822	4	4	4
	k. "O" Ring, 1/16", Size 025	0000045825	1	1	1
	l. Box, Plastic, Accessory Kit	0000044705	1	1	1
	m. Mini Medical Military Manual	0000061152	2	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6530-00-926-2151
Sterilizer, Surgical Dressing 16X36 in., Model M-138

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Operators/Service Manual	TM 8-6530-004-24&P	2	1	1
2	Door Gasket	B300-264-23/2	2	1	1
3	Gasket, Heating Element, Asbestos	C300-249-46/109	1	0	0
4	Heating Element, Electrical	C300-249-48/109	3	0	0
5	Sleeves, Heating Element	C300-250-50/109	1	1	1
6	Washer, Flat, Teflon	5310-00-926-9399	2	1	1
7	Scraper Assembly	C300-906-139	1	1	1
8	Shelf, Bottom	C300-906-119	1	1	1
9	Shelf	C300-906-123	6	6	6

(continued) Appendix D. Equipment Parts and Accessories List

6530-01-327-0686
Ventilator, Volume, Portable, Model 750M

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Battery Pack	704-0750-03	1	1	1
2	Patient Valve Assembly	701-0750-03	1	1	1
3	High Pressure Hose, 6' Long	825-0002-00	1	1	1
4	Spiral Hose, 10mm I.D., Patient, Autoclavable	540-0076-00	1	1	1
5	Hose, 1/8" I.D., Transducer, Autoclavable	540-0073-00	1	1	1
6	Hose, 3/16" I.D., Demand Valve, Autoclavable	540-0075-00	1	1	1
7	Optional PEEP Valve, Adjustable 0-20 cm H_2O	820-0043-00	1	1	1
8	Hose, 3/16" I.D., Demand Valve, Single Use	540-0080-00	1	1	1
9	Multivoltage AC Power Supply	701-0750-02	1	1	1
10	12VDC Power Cable with Military Connector	708-0302-01	1	1	1
11	Hose Clips	334-0032-00	5	5	5
12	Instruction Manual, Operation & Service,	906-0750-02	2	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6530-01-374-8903
Portable Ventilator, Model 15304

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Case, Carrying	10290	1	1	1
2	Cords (2), DC Input, 6ft. Long: 1 w/Cigar Lighter Plug, 1 w/Unterminated End (no plug)	15288	1	1	1
3	AC Power Supply, Avian	68078	1	1	1
4	Manual, Operations/Maintenance	L1248	2	1	1
5	AVIAN Ventilator	15300	1	1	1
6	Kit, Patient Circuit	15289	1	1	1
7	Hose Assembly, O2	10293	1	1	1
8	Hose Assembly, Air	10331	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6540-00-116-5780
Edging Machine Ophthalmic Lens, Model Horizon II

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	2 ½" Vacuum Hose	90500	1	1	1
2	1 ½" Vacuum Hose	87155	1	1	1
3	Crevice Tool	87175	1	1	1
4	Power Cord	77100	1	1	1
5	Blue Vacuum Bags	90145	5	5	5
6	White Filter Bags – 5/pack	90140	1	1	1
7	Installation-Operation-Maintenance Manual	87285	2	1	1
8	Beveling/Grooving Cutter Body (Mounted on Machine)		1	1	1
	a. Bodine Motor	90094			
	b. Bosch Motor	90095			
9	Beveling Insert Set (1 Set in Cutter Body on Machine)	93120	3	3	3
10	Dust Cover	85065	1	1	1
11	Accessory Kit				
	a. Regulator/Filter Assembly	90744	1	1	1
	b. Teflon Ring	90190	6	6	6
	c. O-ring for Clamps	90175	6	6	6
	d. Hex Key Wrench Set- 8 pcs.	87178	1set	1set	1set
	e. Air Line Quick Disconnect	74262	1	1	1
	f. Blow Gun with Male Coupler Fittings	87260	1	1	1
	g. Cutter Motor Wrenches	90285	2	2	2
	h. Wrench Set for Cutter Clamps	87156	1	1	1
	i. Multi-Cam Follower Assembly	90330	1	1	1
	j. Pattern Duplicator Adaptor				
	1. SemiTech	87070	1	1	1
	2. AIT	87080	1	1	1
	3. Coburn	87090	1	1	1
	4. Shuron	87100	1	1	1
	5. Posi Scop	87116	1	1	1
	k. Pattern from A-Lens Adaptor	87302	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6630-01-300-8711
Analyzer, Sodium Potassium, Model 614

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	Installation Pack Consisting of:	478840			
	a. Customer Documentation Pack	473647	2	2	2
	b. Spare Fuses	478648	2	2	2
	c. Security Key	478536	1	1	1
	d. Clot Removal Line	478645	1	1	1
	e. Spare Probe And Tubing Kit	478634	1	1	1
	f. Printer Paper	478638	2	2	2
	g. Printer Ribbon Cassette	478637	2	2	2
	h. Na+/K+/Ca++/Cl- Electrode Fill Solution	478535	1pk	1pk	1pk
	i. Troubleshooting Guide	473539	1	1	1
	l. Line Cord	858-040-001	1	1	1
2	Calibrants and Reagents	478541	2	2	2
3	Electrode Pack 3 Consisting of:				
	a. Na+ Electrode	476266	1	1	1
	b. K+ Electrode	476270	1	1	1
	c. Reference Electrode	476273	1	1	1
4	Service Manuals	478835	2	1	1
5	Instruction Manual	614 91 027E Rev. A. 6/89	2	1	1
6	Operator's Guide	N/A	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6630-01-316-5085
Centrifugal Hematology Analyzer System with QBC II Reader, Model 4477 and QBC Centrifuge, Model 4207

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	QBC II Reader	Model 4477	1	1	1
2	QBC Centrifuge	Model 4207	1	1	1
3	Work Station	4226	1	1	1
4	Voltage Step-down Transformer	4477-505-000	2	2	2
5	Accessory Package for the QBC II Reader, Consisting of the Following:				
	a. Spare Parts and Accessories Kit	4239	1	1	1
	b. Venous-blood Pipette, with Grease and Spare O-rings, Boxed	4225	1	1	1
	c. Quick-reference Test Guide Card	N/A, Free, Becton Dickinson	1	1	1
	d. Wall Chart on Buffy Coat Analysis	4270-000-006	1	1	1
	e. Dust Cover	4527	1	1	1
	f. Instruction Manual, Operation and Service	4477-501-000	1	1	1
6	Accessory package for the QBC Centrifuge, consisting of the following:				
	a. Cover Assembly, Head	4457-601-000	1	1	1
	b. Head Assembly	4207-601-000	1	1	1
	c. Head Nut	4457-600-034	1	1	1
	d. Wrench, Head Nut	4457-614-000	1	1	1
	e. Instruction Manual, Operation and Service	4207-502-000	2	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6630-01-364-8555
Analyzer, Blood Gas, Model 4300M

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	GEM Stat Instrument	4300	1	1	1
2	GEM Stat Pak Cartridge	4301	1	1	1
3	GEM Sampler	4305	1	1	1
4	GEM Check Solutions	2306	1	1	1
5	GEM Crit Check Solutions	2309	1	1	1
6	GEM Stat Thermal Printer Paper	2308	1	1	1
7	Heparinized Syringe or Other Blood Collection Device	4305	1	1	1
8	Operator’s Manual and Comprehensive Service Manual	380019/380025	2	1	1
9	Quality Assurance Manual	380023	1	1	1
10	Carrying Case	840009	1	1	1

(continued) Appendix D. Equipment Parts and Accessories List

6630-01-376-9823
Analyzer, Clinical Chemistry, Model DT60

ITEM NO	Part or Accessory Description	Part or Accessory Number	Basic Issue	Operator	Repairer
1	DT 60 Analyzer	842 2172	1	1	1
2	DTSC	824 7355	1	1	1
3	DTE	183 5727	1	1	1
4	DT Pipette	123 5357	1	1	1
5	DT Pipette Battery Charger	802 0521	1	1	1
6	DTE Pipette	123 5357	1	1	1
7	3 ml Pipette	402 8582	1	1	1
8	75 each Pipette Tips for the 3 ml Pipette	9402-050	1pk	1pk	1pk
9	100 each 2 ml Plastic Sample Cups	356638	1pk	1pk	1pk
10	100 each Plastic Sample Cups	352652 or 356336	1pk	1pk	1pk
11	100 each Transfer Pipettes	127-P503-00	1pk	1pk	1pk
12	Microwipes	05311	1bx	1bx	1bx
13	250 each DT Micro Tips	147 4030	1pk	1pk	1pk
14	160 each DTE Dual-Sample Cups	123 5456	1pk	1pk	1pk
15	Thermal Printer Paper (57mm X 44mm)	818 7155	1	1	1
16	DT Slides for Analysis	P2033691	1pk	1pk	1pk
17	DT Calibrator Kit	195 7927	1	1	1
18	DT Control I and Control II Analyses	842 0317 / 144 8042	1	1	1
19	DT Reference Fluid	126 9208	1	1	1
20	Adapter Box Assembly	352861	1	1	1
21	Power Cords	498295	2	2	2
22	CDM (Calibration Data Module)	199 9077	1	1	1
23	CLM (Calibration Language Module)	123 5399	1	1	1
24	Operator's Manual	350842	2	1	1
25	Service Manual	XP3100	2	1	1

Appendix E. Tools and TMDE Code Listing for Maintenance Allocation Charts

Reference Code	Item / Nomenclature	NSN	Model
01	Tool Kit, Medical Equipment Maintenance Repairer	5180-00-611-7923	Individual
02	Tool Set, Medical Equipment Maintenance Unit Level	5180-01-483-1431	Unit Level (alt: Org Maint)
03	Tool Set, Medical Equipment Maintenance Direct Support Level	5180-01-483-2185	Direct Support
04	Tool Set, Medical Equipment and Maintenance General Support Level	6545-01-482-2907	General Support (alt: Shop Set, Bn Med Maint)
05	Meter X-Ray Calibration Multimeter Radiographic X-ray Calibration & Verification System	6525-01-502-0504 6525-01-387-0212 6625-01-312-0894	UNFORS 710-L PMX-III Victoreen
06	Gas Flow Analyzer / Calibrator Gas Flow	6515-01-491-6615 6695-01-255-2855	VT-Plus RT-200
07	Anesthetic Gas Analyzer	6630-01-487-6987	Riken 1802D
08	TBD		
09	CO2 Analyzer	P/N 19-3325	2820
10	Analyzer NIBP	6515-01-449-1423	Cufflink
11	IV Pump Analyzer	6515-01-449-2331	IPT-1
12	Defibrillator Analyzer TPA Tester Defibrillator	6515-01-449-1420 6625-00-433-9063	Impulse 4000 DT2000A
13	Counter, Electronic Digital	6625-01-271-3012	AN/USM-459A
14	Densitometer, SU150/P	6525-01-161-1945	07-423
15	Simulator, Medical Function Calibrator Generator, ECG	6625-01-298-3830 6515-01-049-9449	215M ECG 100
16	Signal Generator	6625-01-276-9421	SG-1288/G
17	Computer, Laptop	7010-01-502-5490	Dell
18	Foot Candle Meter	6695-01-303-0294	9-118
19	Thermometer	6625-01-296-4006	TK 80
20	Multimeter, AN/PSM-45A Multimeter, AN/USM-486	6625-01-265-6000 6625-01-145-2430	27/FM 8050A
21	Oscilloscope, Digital Oscilloscope Oscilloscope	6625-01-448-9577 6625-01-187-7847 6625-01-258-0022	THS720P 2235L 2430A
22	Radiometer, Ultrasound Therapy	6625-01-504-2654 6625-01-141-7357 6625-01-487-6986	UW-4 UMR 3-C UMR 3-D
23	TBD		
24	Simulator, Pulse Oximetry	6515-01-504-8537 6515-01-449-1422	INDEX $2M_{FE}$ Cardiosat EF
25	Tachometer, Stroboscopic	6680-01-307-8190	1893A
26	Test Cassette, X-Ray	6525-01-039-4019	07-467
27	Test Set, Electronic	6625-01-255-0839	HTR2000/Huntron
28	Test Set, Electrosurgical	6515-01-438-2409 6625-01-042-8213	454A RF302
29	Tester, Current Leakage	6625-01-142-8233	232M
30	TBD		
31	Tester, Ventilator	6515-01-449-1421	Pneuview 36000i
32	Thermometer		51-2

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By Order of the Secretary of the Army:

PETER J. SCHOOMAKER
General, United States Army
Chief of Staff

Official:

SANDRA R. RILEY
Administrative Assistant to the
Secretary of the Army

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