

HARD PREVENTATIVE MAINTENANCE GUIDE FOR ELECTRIC HOSPITAL CRIBS

The intent of this document is to provide health care facility engineers, maintenance personnel and other health care professionals involved in the operation and maintenance of electric cribs made by Hard Manufacturing the comprehensive information needed to achieve their expected 9 year service life.

1.0 General Operation

CAUTION

1.1 Please refer to the caution pages earlier in this manual for information on the safe operation of one of our electric cribs.

1.2 If a crib is damaged in any way that poses a safety issue to either the patient or staff utilizing it, we recommend that it be removed from service and subjected to a complete preventive maintenance inspection. A checklist of suggested items to review is on the following pages of this document.

1.3 General overall cleaning with mild non-abrasive detergent should be applied at least once (1) per year or at the discretion of your facility. See more detailed cleaning instructions on a separate page of this manual.

2.0 Crib Safety Audit

2.1 Filler Bar Spacing – Examine the spacing between crib railings of all cribs in service. If a crib has railing spaces that exceed 2-3/8", remove it from service. The Consumer Product Safety Commission (CPSC) Standard "Requirements for Full-Size Baby Cribs" requires that spaces between crib railings not exceed 6 cm (2-3/8").

2.2 Entrapment in cribs – Examine the spaces between the mattress support and head, foot and side rails, with the mattress both flat and in a raised position. If the opening exceeds 4", remove the cribs from service.

2.3 Mattress Fit – Inspect your crib mattresses to determine whether they are of adequate size. CPSC requires the mattress dimensions be no less than 2 cm (1/2") of the inside crib dimensions, when centered in the crib.

2.4 Crib Weld Assemblies– Thoroughly inspect head and foot ends, side rails, the mattress platform and any other metal components of the crib frame for bent components, cracks or breaks. Remove from service immediately if any of this type of damage is found.



PREVENTATIVE MAINTENANCE CHECKLIST FOR ELECTRIC CRIBS

HARD Serial # of Inspected Unit: _____ Facility Serial # of Inspected Unit _____

3.0 Physical Inspection of Crib Components

YES	NO	Side Rails, End Assemblies & Slide Rods
_____	_____	3.1 Do any of the rails on the crib have bent filler bars, or damaged or broken welds?
_____	_____	3.2 Are the protective teething bar covers present on the top of the side rails?
_____	_____	3.3 On both the head and foot ends, check the weld assemblies paying special attention to the upper and lower crib eyes. Are the welds free of damage or breaks?
_____	_____	3.4 Do all trigger assemblies firmly latch in place to secure rails, and retract & release properly when the Johns Hopkins handle is utilized?
_____	_____	3.5 Raise and lower the side and end rails to verify they operate in a smooth motion.
_____	_____	3.6 If the crib has Portland or Dialysis Gates in the side rails, do the trigger assemblies retract and release? Do the gates remain securely shut when tugged on?
_____	_____	3.7 Does the Johns Hopkins Handle operate properly on all rails?
_____	_____	3.8 Are the bushings present in the rail openings at the top and bottom?
_____	_____	3.9 Are the components at the top and bottom of the slide rods intact and free of damage?
_____	_____	3.10 Check both the staff control and the scale control. Are the panels free of damage? Are the housing units for both controls free of damage?
Mattress and Mattress Platform Assembly		
_____	_____	3.11 Do any of the components of the scissor lift or remainder of the mattress platform frame have any breaks in the welds or any bent or damaged parts?
_____	_____	3.12 Are the mattress pans showing any signs of rust? If so, refer to the cleaning instructions in a prior page of this manual.
_____	_____	3.13 Are all nuts and bolts on the mattress platform securely fastened? <i>Note- nuts and bolts at the center of the scissor brackets and at the ends of the actuators should not be over-tightened or it may impede the smooth movement of the crib functions.</i>
_____	_____	3.14 Inspect the cords from all actuators, the staff control, the control box and the battery backup or under crib lights if your crib is equipped with these options. Are all cords intact, plugged in securely and free of damage or any fraying?
_____	_____	3.15 Is the mattress cover completely intact with no tears in the fabric or the trim?

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PREVENTATIVE MAINTENANCE CHECKLIST FOR ELECTRIC CRIBS

3.0 Physical Inspection of Crib Components Continued

YES	NO	IV Pole(s)
___	___	3.16 Are the brackets and connectors present and free of damage on all IV poles?
___	___	3.17 On the upper portion of the IV Pole, are the components present that are used as the release knob?
___	___	3.18 At the top of the IV Pole, are all the components present, free of damage and securely fastened?
___	___	3.19 Raise and lower the IV Pole to be sure it operates in a smooth, easy manner and locks in place properly when raised.
Casters, Under Crib Shelf and Bumper System		
___	___	3.20 Is the crib able to be moved easily/do the wheels roll smoothly?
___	___	3.21 Do the casters show any sign of being bent or not in proper alignment?
___	___	3.22 Do the wheels have any flat spots indicating they may have been pushed with brakes on?
___	___	3.23 Are all the bolts present in all 4 casters?
___	___	3.24 Do the locking mechanisms on the steer and brake casters function properly?
___	___	3.25 Check the under crib shelf thoroughly. Is it free from any cracks or other damage?
___	___	3.26 Is the under crib shelf securely fastened to the bumper system?
___	___	3.27 Inspect the bumpers on both ends of the crib. Are the grey corner bumpers present? Are the other portions of the bumper free of breaks, bending or other damage?
___	___	3.28 Are the bumpers both securely fastened to the ends of the crib?
Curtains, Curtain Assemblies & Vinyl Top Covers- Applies to Springfield and Criticare Care II Cribs only		
___	___	3.29 Inspect all vinyl curtains. Are the fabric loops, curtain trim and the vinyl itself clean and free of tears or other damage? Is the vinyl top (if present) free of damage?
___	___	3.30 Inspect the curtain lift bars. Do the trigger assemblies squeeze and retract properly?
___	___	3.31 Are the plastic lift bar glides at either end of each lift bar present & free of damage?
___	___	3.32 Are the curtain rods at both the top of the curtains and on the vinyl top cover (if one is present) intact and unbent? Are the plastic end pieces present and unbroken?
___	___	3.33 Check the stop rings that hold the curtains up to be sure they are tight and secure.
___	___	3.34 If a vinyl top cover is installed, are all 4 hitch pins to secure the cover present?
___	___	3.35 Raise and lower all curtain lift bars to be sure they operate in a smooth, easy manner.

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4.0 Performance Testing

Staff Control and Linear Actuators

Plug the crib into an electrical outlet if unplugged. If the crib is not equipped with optional battery backup, press and hold both the up and down buttons for the Hi-Lo simultaneously and hold until the flashing lights on the staff control panel go out.

YES

NO

4.1 Is the green light on the staff control indicator lit showing it is getting power?

4.2 Press the head up/down buttons allowing the head to travel to the top of its range prior to pressing the down button. Is it functioning correctly?

4.3 Press the foot up/down buttons allowing the foot area to travel to the top of its range prior to pressing the down button. Is it functioning correctly?

4.4 Press the Hi-Lo up/down buttons allowing the mattress platform to travel to the top of its range prior to pressing the down button. Is it functioning correctly?

4.5 If your crib is equipped with the optional battery backup, is the indicator light on showing the charge remaining in the battery?

4.6 If your crib is equipped with the optional under crib light(s), when the button on the staff control is pressed to turn on the light(s), do they function properly?

Scale Control- For all cribs equipped with a scale-not all models apply

4.7 Does the scale power up and display the current weight (which may be zero)?

4.8 When a **certified** 10kg weight is placed on the crib, does the scale appear to weigh correctly? *Note- this is the only unit of measure that can be used to calibrate or test a scale.*

Inspection completed by _____ Date of Inspection_____