



SPECIAL ORDER

SPECIAL ORDER 2020.66

Annual Preventative Maintenance – LIFEPAK 15 and LUCAS CPR Devices

EMERGENCY SERVICES BUREAU

Issue Date: August 25, 2020
Expiration Date: August 25, 2021
Applicability: All Field Personnel

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OVERVIEW

2 The Howard County Department of Fire and Rescue Services (Department) maintains a fleet of LIFEPAK
3 15 cardiac monitor/defibrillator's and LUCAS CPR devices. These devices require annual preventative
4 maintenance to ensure proper functionality, updating internal software to reflect American Heart
5 Association recommendations and decrease down time.

6

DEFINITIONS

- 7 ➤ **Stryker Medical** - A medical technology company that provides solutions for pre-hospital patient
8 transport, response and resuscitation, and patient care data solutions.
- 9
- 10 ➤ **ProCare Prevent** - A service plan that provides enhanced service solutions to support
11 comprehensive preventative maintenance programs and compliance documentation.
- 12
- 13 ➤ **LIFEPAK 15** – An advanced portable biphasic cardiac monitor/defibrillator device designed for
14 routine monitor of cardiac activity and vital signs as well as emergency resuscitation. Capable of
15 continuously monitoring cardiac activity, acquiring 12 lead EKG's, monitoring SPO2/Co levels, and
16 blood pressures. The LIFEPAK 15 delivers up to 360 joules of biphasic energy during defibrillation,
17 as well as synchronized cardioversion and transdermal cardiac pacing.
- 18
- 19 ➤ **LUCAS CPR Device** – A battery-powered device designed to deliver high-quality, continuous chest
20 compressions.
- 21
- 22 ➤ **Preventative Maintenance** - Maintenance that is regularly performed on an in-service piece of
23 equipment to lessen the likelihood of an unexpected failure.

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TOPIC DETAILS

25 The Department has a ProCare Prevent contract in place with Stryker Medical to provide preventative
26 maintenance and repair to all Department-owned Stryker LIFEPAK 15 and LUCAS CPR devices.



Howard County Department of Fire and Rescue Services **SPECIAL ORDER**

27 Thursday, August 27, 2020, a representative from the Emergency Services Bureau, in conjunction with on-
28 shift Medical Duty Officers, shall coordinate the administration of preventative maintenance with
29 company officers for all LIFEPAK 15 and LUCAS CPR devices. Arrangements will be made to ensure that all
30 devices assigned to the Bureau of Education and Training, Headquarters and Staff vehicles are also
31 properly serviced.

32
33 Preventative maintenance shall take place at the “blue building” on the grounds of the James N. Robey
34 Public Safety Training Center. Units will be placed out of service for the duration that the technician is
35 working on their devices.

36
37 Company officers shall ensure assigned equipment has been properly decontaminated prior to the start
38 of any preventative maintenance following customer guidance from Stryker as shown in Attachment A.

39
40 Questions about this Special Order can be directed to FFP Shaun Feeheley at
41 FD3941@howardcountymd.gov.

FORMS/ATTACHMENTS/REFERENCES

- Attachment A: Customer Guidance for Cleaning Stryker’s Emergency Care Products

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46 Approved:

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52 Office of the Fire Chief

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Customer guidance:

Cleaning Stryker's Emergency Care products

Many customers have reached out with questions regarding the type of cleaning agents that can be used on their Stryker devices.

The following guidance can be used for cleaning the products listed below. This information can be referenced in the Operations Manual (OM)/Operating Instructions (OI)/Instructions for Use (IFU) for each product. The OM/OI/IFU remains the sole source for product information.

In addition to the cleaning agents listed below from the Stryker OM/OI/IFU, the Environmental Protection Agency (EPA) has released a list of disinfectants suitable for COVID-19, some of which may be used on Stryker products, providing that the OM/OI/IFU do not say otherwise. The list is updated regularly and is available here:

<https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>. If a product or cleaning method is not listed in the applicable OM/OI/IFU, Stryker has not tested it and its use may damage the product.

Product(s)	Suggested cleaners
LIFEPAK® monitor/defibrillators LIFEPAK AEDs	<ul style="list-style-type: none"> • Quaternary ammonium compounds • Isopropyl alcohol • Peracetic (peroxide) acid solutions <p>DO NOT clean any part of this device or its accessories with bleach, bleach dilution, or phenolic compounds. Do not use abrasive or flammable cleaning agents.</p>
HeartSine® samaritan® PAD	<ul style="list-style-type: none"> • Soapy water • Isopropyl alcohol (70% solution) <p>DO NOT clean the samaritan PAD with abrasive materials, cleaners or solvents.</p>
LUCAS® chest compression system	<ul style="list-style-type: none"> • 70% isopropyl alcohol solution • 45% isopropyl alcohol solution with added detergent • Quaternary ammonium compound • 10% bleach • Peracetic (peroxide) acid solutions
Power-PRO™ powered ambulance cot Performance-PRO™ manual ambulance cot	<ul style="list-style-type: none"> • Quaternary cleaners (active ingredient – ammonium chloride) that contain less than 3% glycol ether • Phenolic cleaners (active ingredient – o-phenylphenol) • Chlorinated bleach solution (5.25% – less than 1 part bleach to 100 parts water) • ≤ 21% isopropanol alcohol <p>DO NOT USE Virex® TB or Iodophor type disinfectants</p>

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MX-PRO® R3 manual ambulance cot MX-PRO® bariatric transport cot Stair-PRO® stair chair	Unless otherwise noted below, use concentrations recommended by the manufacturer: <ul style="list-style-type: none"> • Quaternary cleaners (active ingredient – ammonium chloride) • Phenolic cleaners (active ingredient - o-phenylphenol) • Chlorinated bleach solution (5.25% - less than 1 part bleach to 100 parts water) <p>DO NOT USE Virex® TB or Iodophor type disinfectants</p>
Altrix® temperature management system	Consult the product’s Operations Manual and Disinfection Guide at http://techweb.stryker.com/Temp_Management/index.html
McGRATH® MAC EMS video laryngoscope	Consult the product’s Instructions for Use directly at https://www.strykeremergencycare.com/disclosure-and-safety-information/

If you have any questions about this matter, contact Stryker at 1-800-787-9537, option 2, 8:00 A.M. to 6:00 P.M. (Eastern time), Monday – Friday.

Resources

Links to Operating Instructions/Instructions for Use for all products:

- LIFEPAK Defibrillators, AEDs, CPR devices, video laryngoscope and accessories: <https://www.strykeremergencycare.com/disclosure-and-safety-information/>
- HeartSine samaritan PADs: <https://heartsine.com/brief-summary-indications-important-safety-information/>
- Ambulance cots and accessories: <https://techweb.stryker.com/EMS/index.html>
- Temperature management system: http://techweb.stryker.com/Temp_Management/index.html

List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use against SARS-CoV-2: <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

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