

PHILIPS



HeartStart OnSite Defibrillator

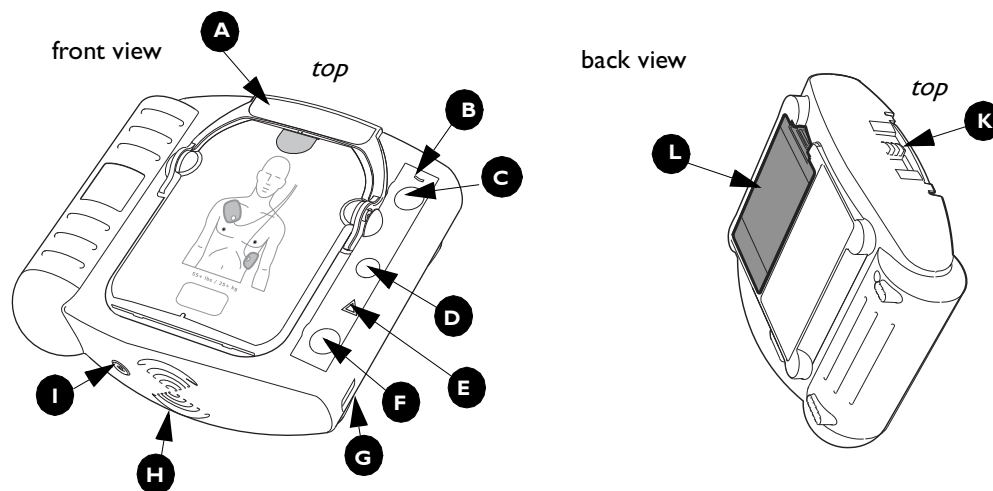
OWNER'S MANUAL

Guide to Set-Up, Operation, Maintenance, and Accessories

M5066A

Edition 7

HEARTSTART
DEFIBRILLATORS



The HeartStart OnSite Defibrillator


A Pads Cartridge Handle. Pull the handle to turn on the HeartStart and remove the cartridge's hard cover.


B Ready Light. This green light tells you the readiness of the HeartStart.


Blinking: standby mode
(ready for use)


Solid: in use

Off: needs attention
(HeartStart "chirps" and
i-button flashes)

C On/off Button. Press this green button  to turn on the HeartStart. To turn off the HeartStart, press the green button again and hold it down for one (1) second.

D Information-Button. This blue "i-button"  flashes when it has information you can access by pressing it. It also flashes at the beginning of a patient care pause when CPR Coaching is enabled.

E Caution Light. This triangular light  flashes during rhythm analysis and is on when a shock is advised, as a reminder that no one should be touching the patient.

F Shock Button. When instructed by the HeartStart to deliver a shock, press this flashing orange button .

G Infrared (IR) Communications Port. This special lens, or "eye," is used to transfer HeartStart data directly to or from a computer.

H Speaker. When the device is being used, its voice instructions come from this speaker.

I Beeper. The HeartStart "chirps" through this beeper to alert you when it needs attention.

J SMART Pads Cartridge. This disposable cartridge contains self-adhesive pads with attached cable. Shown with adult pads cartridge.

K SMART Pads Cartridge Latch. Slide the latch to the right to release the pads cartridge for replacement.

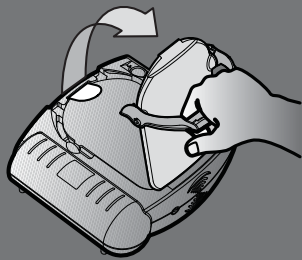
L Battery. The disposable battery is inserted in a recess on the back of the HeartStart.

HeartStart OnSite Defibrillator

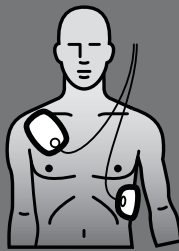
QUICK REFERENCE

Check for signs of Sudden Cardiac Arrest: ☒ Unresponsive
☒ Not Breathing Normally

1.PULL



2.PLACE



3.PRESS



Intentionally blank.

HeartStart OnSite

M5066A

Automated External Defibrillator

OWNER'S MANUAL

Edition 7

IMPORTANT NOTE:

It is important to understand that survival rates for sudden cardiac arrest are directly related to how soon victims receive treatment. For every minute of delay, the chance of survival declines by 7% to 10%.

Defibrillation cannot assure survival. In some victims, the underlying problem causing the cardiac arrest is simply not survivable despite any available care.

About this edition

The information in this guide applies to the model M5066A HeartStart OnSite Defibrillator. Its technical contents apply to all models in the HeartStart HSI family of defibrillators. This information is subject to change. Please contact Philips at www.medical.philips.com/heartstart or 1.800.263.3342 for information on revisions.

Edition history

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Caution

The Philips HeartStart OnSite Defibrillator is designed to be used only with Philips-approved accessories. The HeartStart may perform improperly if non-approved accessories are used.

Device tracking

In the U.S.A., this device is subject to tracking requirements by the manufacturer and distributors. If the defibrillator has been sold, donated, lost, stolen, exported, or destroyed, notify Philips Medical Systems or your distributor.

Device manufacturer

The HeartStart OnSite Defibrillator is manufactured by Philips Medical Systems, Seattle, Washington, USA.

Patents

This product is manufactured and sold under one or more of the following United States patents: US6047212, US6317635, US5892046, US5891049, US6356785, US5650750, US6553257, US5902249, US6287328, US6662056, US5617853, US5951598, US6272385, US6234816, US6346014, US6230054, US6299574, US5607454, US5803927, US5735879, US5749905, US5601612, US6441582, US5889388, US5773961, US6016059, US6075369, US5904707, US5868792, US5899926, US5879374, US5632280, US5800460, US6185458, US611815, US6556864, US5607454, and other patents pending.

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- A Accessories for the HeartStart OnSite
- B Glossary of terms
- C glossary of symbols/controls
- D Warnings and precautions
- E Technical information
- F Configuration
- G Testing and troubleshooting
- H Additional technical information required for European conformity

I Introduction to the HeartStart OnSite

Description

The Philips HeartStart OnSite Defibrillator M5066A (“OnSite”) is part of the Philips HeartStart HSI family of defibrillators. Small, lightweight, and battery powered, it is designed for simple and reliable operation.

Sudden Cardiac Arrest

The OnSite is used to treat the most common causes of sudden cardiac arrest (SCA), including ventricular fibrillation (VF). SCA is a condition that occurs when the heart unexpectedly stops pumping. SCA can occur to anyone – infant, child, adult, male or female – anywhere, at any time. Many victims of SCA do not have warning signs or symptoms.

VF is a chaotic quivering of the heart muscle that prevents it from pumping blood. The only effective treatment for VF is defibrillation. The OnSite treats VF by sending a shock across the heart, so it can start beating regularly again. Unless this is successful within the first few minutes after the heart stops beating, the victim is not likely to survive.

Indications for Use

The OnSite should be used to treat someone you think may be a victim of SCA. A person in SCA:

- does not respond when shaken, and
- is not breathing normally.

If in doubt, apply the pads. Follow the voice instructions for each step in using the defibrillator.

Training and practice

The OnSite is one part of a well-designed emergency response plan. Any emergency response plan should be under the oversight of a physician and should include training in cardiopulmonary resuscitation (CPR). Philips recommends that you train on the device you will be using.

Several national and local organizations offer combined CPR/defibrillator training. Contact your Philips representative, or visit us on-line at www.medical.philips.com, for information about training programs in your area.

NOTE: Training accessories are available from Philips for practicing use of the OnSite. See Appendix A for information on ordering accessories.

State and local requirements

Check with your state health department to see if there are any local or state requirements about owning and using a defibrillator.

For more information

Contact your local Philips representative for additional information about the OnSite. They will be happy to answer any questions you may have and to provide you with copies of the clinical summaries of several key studies using Philips automated external defibrillators.*

You can also find the clinical summaries online at www.medical.philips.com/heartstart. Technical information about all Philips HeartStart automated external defibrillators is also available online, in the *Technical Reference Guide* for HeartStart Defibrillators.

* Clinical summaries also include Heartstream ForeRunner and FR2 Defibrillators.

Notes

2 Setting up the HeartStart OnSite

2

Package contents

Check the contents of the HeartStart OnSite Defibrillator M5066A box to be sure it contains:

- 1 HeartStart OnSite Defibrillator
- 1 battery M5070A
- 1 Adult SMART Pads Cartridge M5071A, containing one set of adhesive defibrillation pads
- 1 Owner's Manual
- 1 Quick Reference Guide
- 1 Quick Start poster

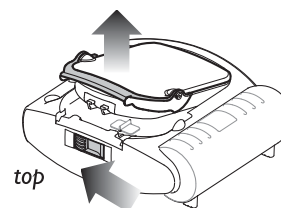
Training materials and optional accessories for the HeartStart OnSite are also available from Philips. See Appendix A for a description of these items.

Setting up the OnSite

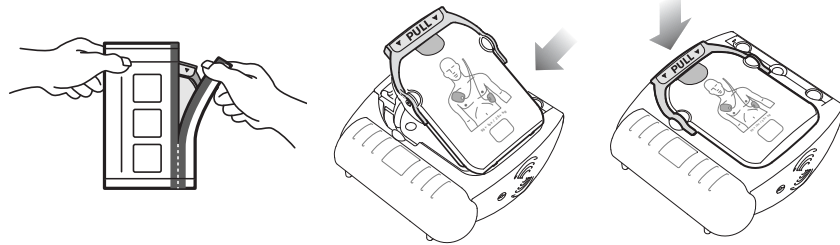
Setting-up the OnSite is simple and quick.

1. Remove the OnSite from its packaging.
2. Remove a new SMART Pads Cartridge from its package.*

* To replace a used cartridge or insert a different cartridge, first locate the latch at the top edge of the OnSite, and slide it to the side. The pads cartridge will be released. Lift out the cartridge and replace as described in steps 2 and 3.

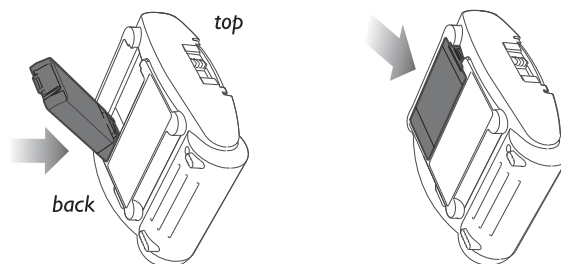


3. Insert the cartridge into the cartridge well on the front of the OnSite. It should click into place when properly seated. The green PULL handle should be all the way down.



NOTE: To prevent the pads' adhesive gel from drying out, do not open the hard cover or film seal of the cartridge until you need to use the pads.

4. Remove the battery from its packaging. Install it in the battery compartment on the back of the OnSite.



5. The OnSite will automatically run a self-test when the battery is inserted. Press the Shock button when instructed. When the self-test is over, the OnSite will report the result, and tell you to push the green On/Off button in case of an emergency. (*Do not push the green button unless this is an actual emergency.*) Then the OnSite will turn off and go to standby mode. The green Ready light will be blinking to show the OnSite is ready for use.*

* As long as a battery is installed, turning the OnSite "off" puts it into standby mode, which means that it is ready for use.

NOTE: Always store the OnSite with a pads cartridge and a battery installed, so it will be ready to use and can perform daily self-tests.

6. Place the OnSite in the carry case, pressing it firmly into place. Insert the Quick Reference Guide,^{*} face up, in the clear plastic window on the inside of the case.[†] If you purchased a spare SMART Pads Cartridge or an Infant/Child Pads Cartridge, place it in the storage area in the case.

NOTE: Do not store anything in the defibrillator carry case that it is not designed to accommodate. Store all objects in their intended location in the case.

7. Store the OnSite in accordance with your site's emergency response protocol. Typically, this will be in a high-traffic area that is easy to access, convenient for checking the Ready light periodically, and easy to hear the alarm chirp if the battery power gets low or the OnSite needs attention. Ideally, the OnSite should be stored near a telephone, so the Emergency Response Team or Emergency Medical Services can be alerted as fast as possible in the event of a possible SCA. If possible, keep the spare SMART Pads Cartridge and other accessories with the defibrillator - in the carry case if one is used - for quick access when needed. In general, treat the OnSite as you would any piece of electronic equipment, such as a computer. Be sure to store the OnSite according to its specifications. See Appendix E

^{*} The illustration on the cover of the Quick Reference Guide is a 3-step guide to using the HeartStart. Detailed illustrated directions are inside, for reference in an emergency, or if you are hearing impaired or using the HeartStart where it is hard to hear the voice instructions.

[†] If you do not have a carry case, put the Quick Reference Guide in the separate clear plastic sleeve. Press the hook-and-loop strip on the sleeve onto the strip on the back of the OnSite. Make sure the "Call 911" sticker is easy to see if someone needs to use the OnSite in an emergency. If your Emergency Medical Services number is not 911, use the blank sticker with the telephone symbol to write the correct number. Then put the sticker over the "Call 911" sticker on the front of the sleeve.

for details. As long as a battery and a pads cartridge are installed, the green Ready light should be blinking to show that the HeartStart has passed its most recent self-test and is therefore ready to use.

NOTE: If you have a training pads cartridge, it is recommended that you store it separately from the OnSite, so the training pads cannot be confused with the regular pads in an emergency.

Recommended accessories

It is always a good idea to have a spare battery and a spare pads set. Other things that are useful to keep with the OnSite include:

- scissors — for cutting the victim's clothes if needed
- disposable gloves — to protect the user
- a disposable razor — to shave the chest if hair prevents good pads contact
- a pocket mask or face shield — to protect the user
- a towel or absorbent wipes — to dry the victim's skin for good pads contact

Philips has a Fast Response Kit with all these items. See Appendix A for details.

If you may need to defibrillate an infant or a child under 55 pounds (25 kg) or 8 years old, it is recommended that you order the Infant/Child SMART Pads Cartridge, available separately by prescription. When the Infant/Child Pads Cartridge is installed in the OnSite, the OnSite automatically reduces the defibrillation energy to an energy level more appropriate for infants and children. In addition, if optional CPR Coaching is selected, the OnSite provides coaching appropriate for infants and children when the Infant/Child SMART Pads Cartridge is installed. Directions for using the Infant/Child SMART Pads Cartridge are provided in Chapter 3, "Using the HeartStart OnSite."