



AED Battery Exchange

Save a Life: Save the Environment: Save Money



5070-ABE Battery

For use with Philips™ HeartStart™

Models: OnSite/Home (M5066A, M5068A)

FRx (861304)

Operation Manual

Revision 3.5

Product model

The 5070-ABE is indicated for use with the Philips™ HeartStart™ OnSite/Home, models M5066A, M5068A, and the FRx, model 861304.

Please see the Philips™ HeartStart™ OnSite/Home, models M5066A, M5068A, and the FRx, model 861304 Owner's Manual for complete information on AED use.

Indications for use

The automated external defibrillator (AED) battery supplies power to an AED as required during self maintenance, automated diagnoses, and defibrillation. The 5070-ABE is indicated for use with the Philips™ HeartStart™ OnSite/Home, models M5066A, M5068A, and the FRx, model 861304.

Contraindications

Automated external defibrillators should not be used when a patient is conscious or breathing normally.

Battery specifications

Battery Type: 9VDC, 4.2Ah, lithium manganese dioxide, primary cells.

Lithium Content: approximately 5.04 g.

Capacity: When new a minimum of 200 shocks or 4 hours of operating time at 25°C (77°F). Actual battery operating life depends on device settings, usage, and environmental factors.

Charge Time: A new battery typically takes 8 seconds to charge the AED to maximum energy. Batteries with reduced capacity will require additional time to charge the AED.

Shelf Life (prior to insertion): A minimum of 5 years from date of refurbishing when stored from 20° to 30°C (68° to 86°F), 10% to 75% RH (non-condensing).

Standby Life (after insertion/between use): 4 years when operated from 20° to 30°C (68° to 86°F), 10% to 75% RH (non-condensing).

Operating Conditions: 0°C to 50°C (32° to 122°F), 0% to 95% RH (non-condensing).

Safety Standards: IEC 60601-1, IEC 60601-1-2, IEC 60601-2-4

Enclosure Protection: IP55 when housed in AED.

Transportation: UN38.3 tested: T1 – Altitude, T2 – Thermal, T3 – Vibration, T4 – Shock, T5 – External Short

Important Warnings and Reminders!!

The following prescription symbol and statement only apply to the Philips™ HeartyStart™ FRx AED (361304) and the Philips™ HeartStart™ OnSite/Home AED (M5066A, M5068A) when used on infants/children under 55 lbs (25kg) or 8 years of age, with the infant/child SMART pads.



Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner licensed by law of the state in which he/she practices to use the device.



Battery is not rechargeable. Do not attempt to recharge.



Do not expose battery to high heat or open flames. Do not incinerate battery.



Waste Electrical and Electronic Equipment (WEEE). Separate collection for waste electrical and electronic equipment.



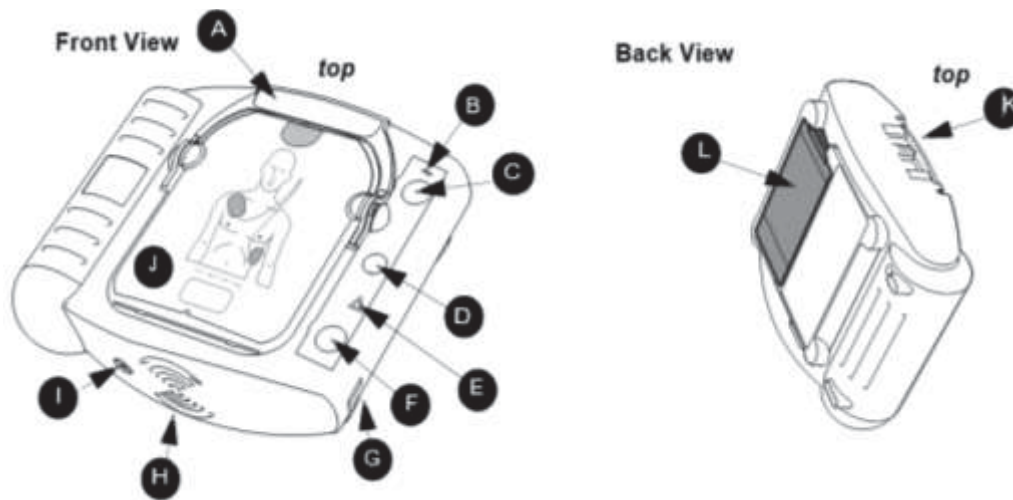
This alert identifies hazards that may cause personal injury, product damage, or property damage.

- ⚠ Pressurized contents: Do not short circuit, puncture, deform, or expose to temperatures above 65°C (149°F).
- ⚠ Not tested for airborne applications
- ⚠ Inspect battery contacts on insertion into AED and annually. Clean contacts with gold contact cleaner if any sign of oxidation or corrosion is present.
- ⚠ Always keep a spare battery on hand in addition to the battery currently in operation.
- ⚠ Use one of these solutions to clean the plastic housing of the battery: soapy water, denatured ethanol, or 91% isopropyl alcohol.



If the AED indicates that the battery is low and needs to be replaced please recycle or dispose of the lithium battery in accordance with all federal, country, state, and local laws. Help our environment, recycle, and [send your depleted batteries to AED Battery Exchange](#):

AED Battery Exchange
1000 Brown Street, Ste 206
Wauconda, IL 600487



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 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.

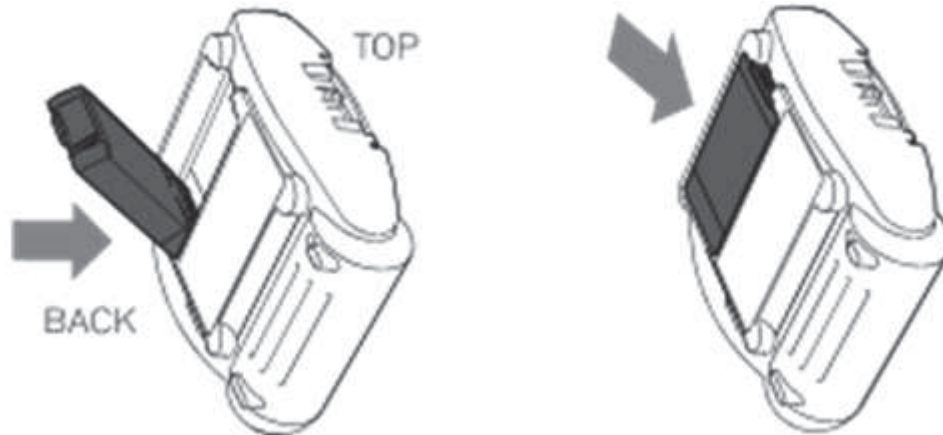
K SMART PADS CARTRIDGE LATCH.

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.

To replace the battery:

1. Make sure you have a pads cartridge installed in the defibrillator.
2. Locate the battery compartment on the back of the defibrillator.
3. Press the tab attached to the top of the battery to release the catch. Remove the battery.
4. Slide a new battery into place. Check to see that its latch is holding it in place.



5. A battery insertion self-test will automatically run. It is important to press the SHOCK button when instructed, to ensure that the defibrillator will be ready for use. When it is done, make sure the green READY light is blinking. Your HeartStart™ OnSite Defibrillator is ready for use.
- *As long as the green READY light is blinking, it is NOT necessary to test the defibrillator. The self-test uses battery power, and running the battery insertion self-test more often than necessary will drain the battery prematurely.*

Troubleshooting

If the AED begins to chirp with a flashing “i” button, it is NOT necessarily an indication that the battery is low. Press the “i” button for the AED to identify why the device is chirping. The pads are not tested on battery installation so often times if the AED begins to chirp within a few weeks following the installation of a new battery it is an indication that the pads need to be replaced.

AED Battery Exchange, LLC
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Wauconda, IL 60084



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FR3-ABE Battery

For use with Philips™ HeartStart™ FR3
Models: 861388 and 861389

Operation Manual

Revision 3.4

Product model

The FR3-ABE is indicated for use with the Philips™ HeartStart™ FR3, models 861388 and 861389.

Please see the Philips™ HeartStart™ FR3, models 861388 and 861389 Instructions for Administrators for complete information on AED use.

Indications for use

The automated external defibrillator (AED) battery supplies power to an AED as required during self maintenance, automated diagnoses, and defibrillation. The FR3-ABE is indicated for use with the Philips™ HeartStart™ FR3, models 861388 and 861389.

Contraindications

Automated external defibrillators should not be used when a patient is conscious or breathing normally.

Battery specifications

Battery Type: 12VDC, 4.7Ah, lithium manganese dioxide, primary cells.

Lithium Content: approximately 7 grams

Capacity: Typical shock count of 300 or 12 hours of operating time at 25°C (77°F). Actual battery operating life depends on device settings, usage, and environmental factors.

Charge Time: The FR3 Quick Shock feature allows a shock to be delivered within eight seconds, typical, following the prompt ending a CPR protocol using a new battery. From shock to shock, the FR3 takes less than 20 seconds, typical, including analysis using a new battery. After 15 shocks using the same battery, the FR3 takes less than 30 seconds from analyzing to ready-to-shock. After 200 shocks using the same battery, the FR3 takes less than 40 seconds from initial power-on to ready-to-shock.

Shelf Life (prior to insertion): A minimum of 5 years from date of refurbishing when stored from 20° to 30°C (68° to 86°F), 10% to 75% RH (non-condensing).

Standby Life (after insertion/between use): 3 years when operated from 20° to 30°C (68° to 86°F), 10% to 75% RH (non-condensing).

Operating Conditions: 0°C to 50°C (32° to 122°F), 0% to 95% RH (non-condensing). Lithium Content: approximately 6.72g.

Safety Standards: IEC 60601-1, IEC 60601-1-2, IEC 60601-2-4

Enclosure Protection: IP55 when housed in AED.

Transportation: UN38.3 tested: T1 – Altitude, T2 – Thermal, T3 – Vibration, T4 – Shock, T5 – External Short

Important Warnings and Reminders!!



Caution: Federal law restricts this device to sale by or on the order of a physician or practitioner licensed by law of the state in which he/she practices to use the device.



Battery is not rechargeable. Do not attempt to recharge.



Do not expose battery to high heat or open flames. Do not incinerate battery.



Waste Electronic Electrical Equipment (WEEE). Separate collection for waste electrical and electronic equipment.



This alert identifies hazards that may cause personal injury, product damage, or property damage.

- ⚠ Pressurized contents: Do not short circuit, puncture, deform, or expose to temperatures above 65°C (149°F).
- ⚠ Not tested for airborne applications
- ⚠ Inspect battery contacts on insertion into AED and annually. Clean contacts with gold contact cleaner if any sign of oxidation or corrosion is present.
- ⚠ Always keep a spare battery on hand in addition to the battery currently in operation.
- ⚠ Use one of these solutions to clean the case of the AED: soapy water, denatured ethanol, or 91% isopropyl alcohol.
- ⚠ Use one of these solutions to clean the plastic housing of the battery: soapy water, denatured ethanol, or 91% isopropyl alcohol.



If the AED indicates that the battery is low and needs to be replaced please recycle or dispose of the lithium battery in accordance with all federal, country, state, and local laws. Help our environment, recycle, and [send your depleted batteries to AED Battery Exchange](#):

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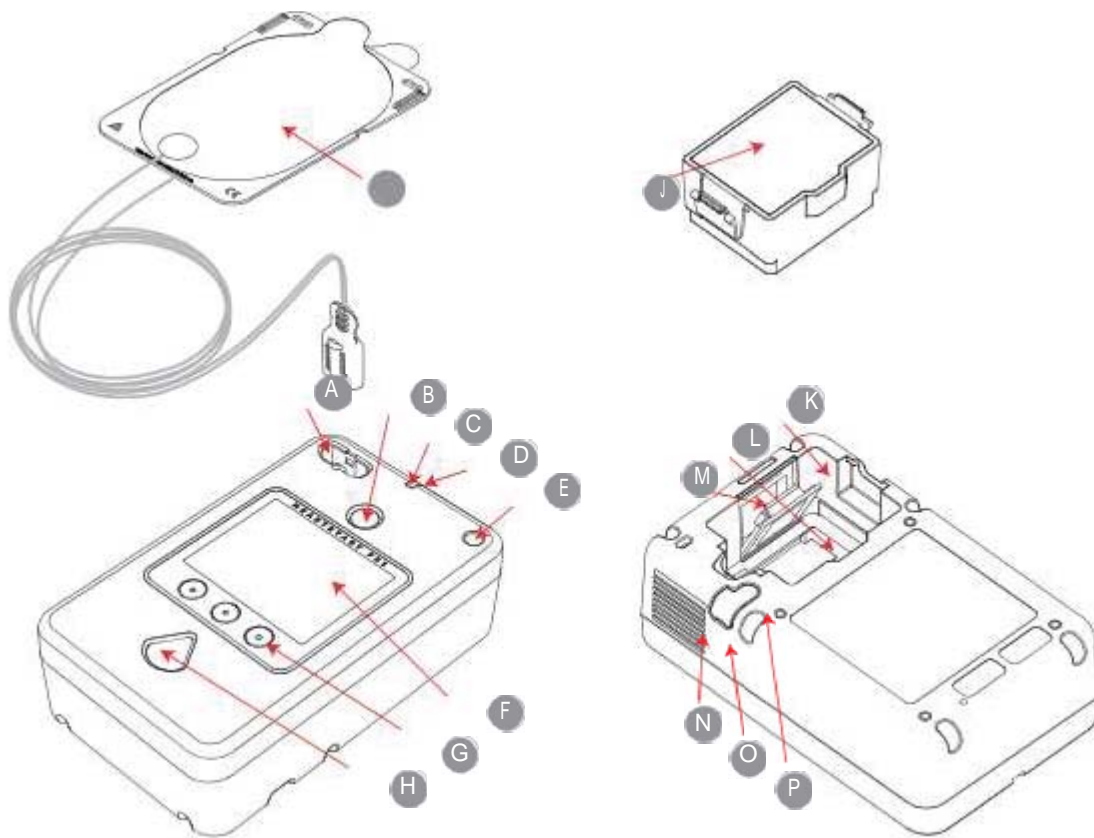


Diagram of the HeartStart FR3 Defibrillator

A Defibrillator pads connector socket. Receptacle for the defibrillator pads cable connector. A light on the socket flashes when the FR3 is turned on to show socket location.

B Green On/Off button. Turns on the FR3 and starts voice and text prompts. A second press brings up the status screen, and then turns off the FR3.

C Green Ready light. Shows the readiness status of the FR3.

D Microphone. Used optionally to record audio during an incident.

E Infant/Child Key port. Accommodates the optional FR3 Infant/Child Key accessory to enable pediatric treatment protocols for patients under 55 lbs (25 kg) or 8 years old.

F Screen. Displays text prompts, graphics, and incident data. The FR3

ECG model also displays the patient's ECG if enabled.

G Option buttons (three). When pressed, activates the function identified on the screen.

H Orange Shock button. Controls shock delivery. The button flashes when the FR3 is ready to deliver a shock.

I SMART Pads III. Self-adhesive pads supplied with attached cable and connector. If using the optional FR3 system case and/or the Pads Sentry, store pads in Pads Sentry and pre-connect pads to FR3 for automatic self-test.

J Battery. Long-life battery used to power the FR3.

K Battery compartment. Provides electrical connection for the installed battery and contains the data card slot and *Bluetooth*® wireless technology transceiver module compartment.

L Data card slot. Receptacle for the optional data card accessory. Located beneath the battery in the battery compartment.

M Bluetooth wireless technology transceiver module compartment. Accommodates the optional transceiver module accessory. Located behind a removable door in battery compartment.

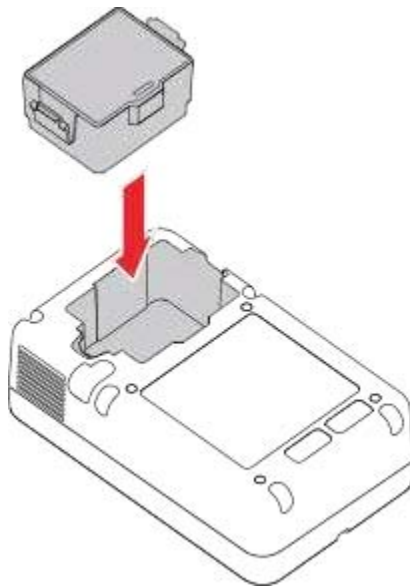
N Speaker. Broadcasts FR3 voice prompts and alert tones when appropriate.

O Beeper. Broadcasts FR3 alert chirps when appropriate.

P Accessory port. Connection port for future use.

To replace the battery:

1. Check the battery label to be sure the battery is within its install-by-date in order to get the full specified battery life.
2. Locate the battery compartment on the back of the defibrillator.



3. Insert the battery into the battery compartment on the back of the FR3. Be sure that both the battery's latches click into place.
4. The first time you set up the FR3, the FR3 automatically runs a detailed user-initiated test as soon as the battery is in place. Press each button when directed, or the test will fail.

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