



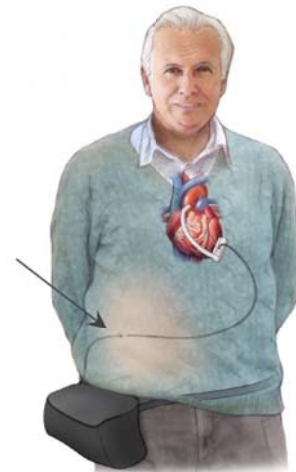
Patient and Caregiver Training

1. Match the word on the right with the correct function:

- a)  This icon located at the front of the controller lights up when one or more alarms occurs. __c__ AC Adapter
- b)  This button silences the low and medium audible alarms. __a__ Alarm Indicator
- c) This is an adapter/cable that transfers power from an electric outlet to run the controller. __b__ Alarm Mute Button

2. Match the picture to the definition:

- a) Test button on battery



__b__

- b) Driveline Exit Site



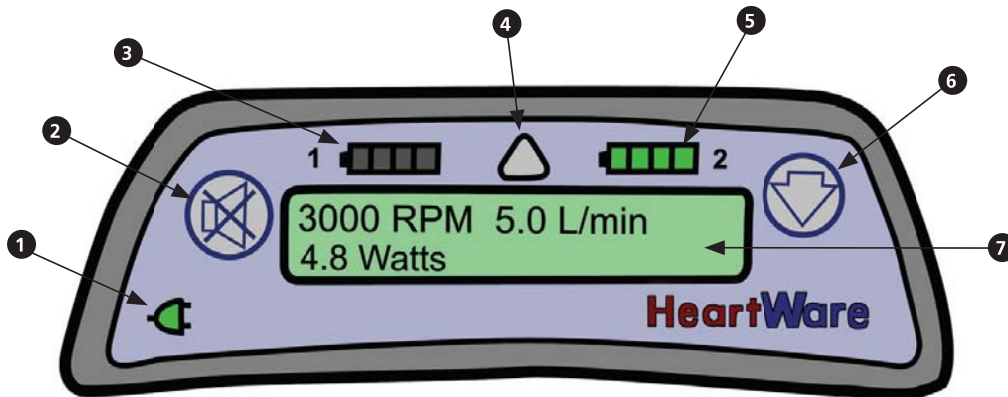
__a__

- c) Battery charger



__c__

3. Label the controller:



- 1 AC/DC Indicator
- 4 Alarm Indicator
- 3 Battery Indicator 1
- 5 Battery Indicator 2

- 7 Controller Display
- 2 Alarm Mute Button
- 6 Scroll Button


4. Label the cable connectors on the controller:



- 1 Monitor Cable / Alarm Adapter
- 4 Power Source

- 2 Power Source
- 3 Driveline

5. Please circle True or False for the following:

1. A flashing red alarm requires immediate attention.	True	False
2. It is ok to have moisture, cracks, tears or punctures in your driveline.	True	False
3. It is safe to take a tub bath or swim.	True	False
4.  This button is used to see all active alarms and pump information on the controller display.	True	False
5. The driveline cover must cover the controller's silver driveline connector to protect the controller from water.	True	False
6. A controller with a blank display and no audible alarm should be replaced.	True	False
7. When an alarm occurs, line one of the controller display tells you which alarm is occurring, line two tells you what to do.	True	False
8. A green indicator light on the AC or DC adapter will indicate proper connection to an electrical outlet or a car power port.	True	False
9. When there is a controller failure alarm, you should switch to the back-up controller.	True	False
10. The controller AC/DC indicator will be green if you are using the AC Adapter or DC Adapter (car adapter) to power the controller?	True	False

6. List 2 items you should have with you when you leave your house:

Answer: Charged Batteries, back up controller, emergency contact sheet, cell phone

7. List 2 signs or symptoms of a driveline exit site infection:

Answer: Redness, yellow or brown drainage, bleeding, pain, fever

8. How long does one battery usually provide power?

Answer: 4-6 hours

9. Why do you take blood thinner medicine?

Answer: To reduce the risk of clots in blood and pump

10. What should you do every time before changing from AC Adapter/Battery operation to Battery/Battery operation or before replacing a Battery?

Answer: Check to be sure other battery is fully charged

11. When looking at the controller, how much power is remaining in a battery if there are:

4 green lights	_____ %	Answer: 75-100%
3 green lights	_____ %	Answer: 50-74%
2 yellow lights	_____ %	Answer: 25-49%
1 red light	_____ %	Answer: < 24%

12. Place a check beside activities that will cause the HVAD system to stop:

- Disconnecting the AC adapter while only one fully charged battery remains connected to the controller.
- Disconnecting both batteries at the same time.
- Disconnecting the driveline from the controller.
- Unplugging the DC adapter without a back-up battery connected to the controller.

13. Two power sources should be connected to the controller at all times. What are the 3 different power options?

- Battery and _____ Answer: Battery
- Battery and _____ Answer: AC Adapter
- Battery and _____ Answer: DC Adapter

14. Place a check beside activities that are not allowed while on the HVAD pump:

- | | |
|--|--|
| <input type="checkbox"/> Chest x-ray | <input type="checkbox"/> Cardiac catheterization |
| <input checked="" type="checkbox"/> MRI Scan | <input checked="" type="checkbox"/> Swimming |
| <input type="checkbox"/> CT Scan | <input type="checkbox"/> Walking |

15. On the battery charger there are several status light indicators. Which status light will you see if the battery is charging and is not ready for use?

- Blue
- Flashing Red
- Yellow
- No lights

16. When an alarm occurs, what 3 indicators should you look for to determine the severity of the alarm?

- A unique sound
- Visual display (flashing RED, flashing YELLOW, or YELLOW)
- Vibrating
- A message