

5 Maintaining and Troubleshooting the DDU-100 AED

This chapter describes the maintenance and troubleshooting procedures for the *DDU-100* AED. The self-tests that are performed by the device are described along with the frequency and nature of periodic maintenance for which the owner/operator is responsible. A troubleshooting guide is provided to help diagnose user serviceable problems.

The *DDU-100* AED contains no user serviceable parts except for the ASI 9V battery.

5.1 Self-Tests

Power-On Self-Tests are performed every time the unit is turned on and test the basic operation of the unit. The unit also performs daily, weekly, monthly and quarterly self-tests automatically when a non-discharged 9V battery is present (without any intervention from the operator) to check the integrity of the unit's hardware and software. Manually initiated Self-Tests may be run to test the *DDU-100*'s systems, including the charging and shocking functions (the shock is internally dissipated, i.e. no voltage will be present at the pads) at any time.

To run a manually initiated Self-Test, while turning the unit on, continue holding the ON/OFF button down for at least five seconds. The unit will run a series of Self-Tests, report the results and will automatically shut down. If the *DDU-100* AED is required for an emergency, push the ON/OFF button again to stop the self-tests and shut the unit off and then push the button to turn the unit on in the normal operating mode again. Note: Each manually initiated Self-Test uses up one shock from the battery pack.