

Technical Information for our Service Providers and Dealers

Cybox 750A/750AT Diagnosing Battery/Incline Issues

All Cybox 750A and AT ARC Trainers require the battery be fully charged and in good working order for the incline motor to operate. Proper calibration is also required.

When troubleshooting an elevation problem on these models, be sure to check the following:

Calibration – if the incline is not calibrated, it may not function properly. To calibrate, enter diagnostic mode:

1. Press CLEAR_8_8_8_ENTER; wait for the LED test to complete.
2. Press the PAUSE/END key to enter static I/O mode
3. Press and hold the ENTER key to access the DRIVE DIAGNOSTIC menu.

Press the ENTER key to scroll through options. The second displayed option is the INCLINE CAL 1. While this is displayed, press QUICK START to run the auto calibration.

Battery Voltage – in the DRIVE DIAGNOSTIC menu, the battery voltage can be checked. Press the ENTER key to scroll to the eighth option BATT VOLTS. This will display the actual DC voltage registered at the battery. This needs to be higher than 11.5VDC for the incline motor to function properly. If the voltage below the acceptable level, charge the battery fully before continuing. To test the battery under load, press the INCLINE UP or DOWN keys to run the incline motor. The voltage should not drop more than 0.5VDC; any significant deviation of this voltage can indicate a failed battery.

