



Checking Tafonius Batteries

Scope: This applies to all Tafonius and Junior models

The batteries on Tafonius are central to its correct operation. When the piston is moving rapidly the large demand for current is drawn from the batteries. Without the batteries this demand cannot be met by the battery charge circuit alone and the motor will stall, so it is very important that they are running in top condition. In addition the batteries provide all the back-up power when the mains power is absent. Old or failing batteries may only be able to sustain machine operation for a few minutes compared to several hours with new batteries.

A battery test is recommended to be performed once a month. The procedure is very simple:

1. With the mains connected and the RCD switch ON, turn on Tafonius and allow it to start up and proceed to its full running state. On Full machines this includes running the Tafonius software.
2. Now turn off the mains supply by removing the mains plug
3. Immediately look at the voltages shown for B1 and B2 on either the Tafonius screen or on the Auxiliary screen.
4. Make a note of them
Start: B1=.....volts B2=volts
5. Let the machine stay on battery power for 10 minutes and then make a note of the battery voltages again
6. 10 minutes: B1=.....volts B2=volts

Results

- If either of the batteries is below 12v then keep the machine plugged in for 24 hours to charge the batteries and repeat the test.
- If either of the batteries is below 11v then the batteries are failing and should be replaced. The batteries should be replaced as a pair.