

**Applies to:**

Mambo powerchair range (PCMM001 – 003)  
Some customised Enigma Energi powerchairs.

**Diagnostics**

An abnormal condition is indicated by the battery gauge flashing rapidly on the VSI controller. The fault detected is indicated by the number of bars flashing on the battery gauge. If the speed indicator is flashing, this means the powerchair is locked. See below for the unlocking procedure.



	<b>Bars Lit</b>
1. Low Battery Voltage	□
2. Left Motor Disconnected	□□
3. Left Motor Wiring Trip	□□□
4. Right Motor Disconnected	□□□□
5. Right Motor Wiring Trip	□□□□□
6. Charger Connected	□□□□□□
7. Possible Joystick Trip	□□□□□□□
8. Possible Control System Trip	□□□□□□□□
9. EM brake trip	□□□□□□□□□
10. High Battery Voltage	□□□□□□□□□□

- **Gauge blinks every 2.5 seconds.** The powerchair has gone in to sleep mode. To restart, turn off and on.
- **Battery gauge flashes slowly.** Low battery power. Recharge batteries as soon as possible.
- **Battery gauge ‘steps up’.** This means that there is a charger connected and the powerchair is charging up.
- **Battery gauge ‘ripples’.** The controller has detected that the joystick has been defected at power up. Return the joystick to the neutral (centre) position, then restart the powerchair.
- **Speed indicator ‘ripples’.** - **The powerchair is locked for security.**  
To unlock the powerchair, push the joystick forward until you hear a bleep, then push the joystick back until you hear a bleep.  
Release the joystick and you will hear a long bleep indicating the wheelchair is unlocked.
- **To lock the wheelchair.**  
While the powerchair is switched on, depress and hold the on/off button.  
After 1 second the control system will bleep. Now release the on/off button  
Deflect the joystick forwards until the control system bleeps.  
Deflect the joystick in reverse until the control system bleeps.  
Release the joystick, there will be a long bleep. The wheelchair is now locked.