

**SECTION 4****PRE-DELIVERY TESTING**

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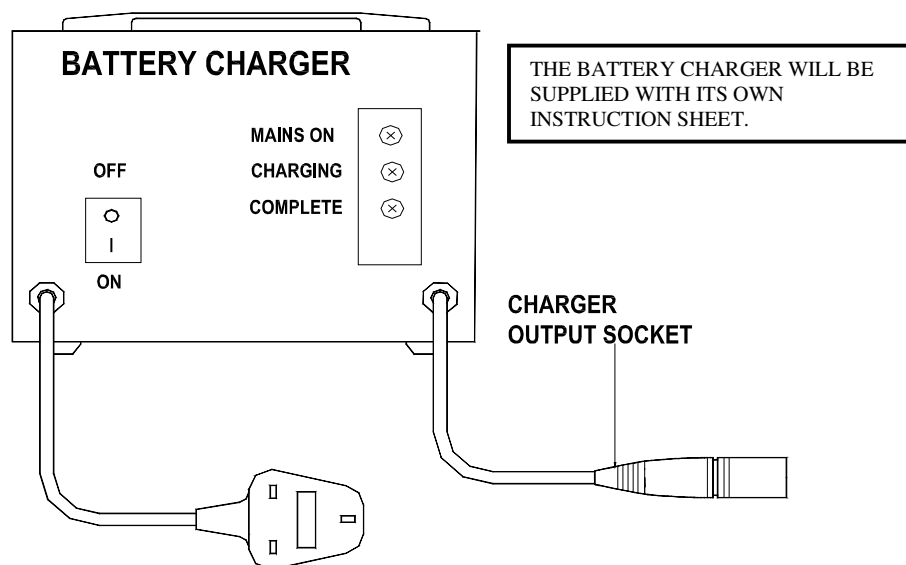
## 4 Pre-Delivery Testing

Pre-delivery testing must include the practical use of the wheelchair in order to test its function. When an attendant or dual control model is being tested two operatives will be needed (one for the user functions and one for the carer function). Reference to the appropriate user manual should be made where necessary.

### 4.1 Battery Charging

Ensure the charger is appropriate to the batteries and connection point supplied with the chair. For a complete charging cycle the following instructions must be followed:

1. Check that the ventilation slots in the charger are not obstructed.
2. Check that the wheelchair is switched off. Connect the charger output plug to the wheelchair battery-charging socket.
3. Connect charger to mains supply and switch mains on. The red 'Mains on' and yellow 'Charging' lights will illuminate.
4. When the green 'charge complete' light illuminates the batteries are fully charged and may be used.
5. The charger may be left connected to the batteries with the mains switched on for up to 24 hours. This will ensure the batteries are held in a fully charged condition.
6. Do not leave the charger connected to the batteries with the mains switched off. This will slowly discharge the batteries.
7. Always switch off the mains supply before removing the charger plug from the wheelchair.
8. When the wheelchair has been left for over 1 month a top up charge is recommended.



## 4.2 Tyre Pressure

Where pneumatic tyres are fitted tyres should be checked to ensure they are at the correct pressure.

The recommended pressure is 35 p.s.i.

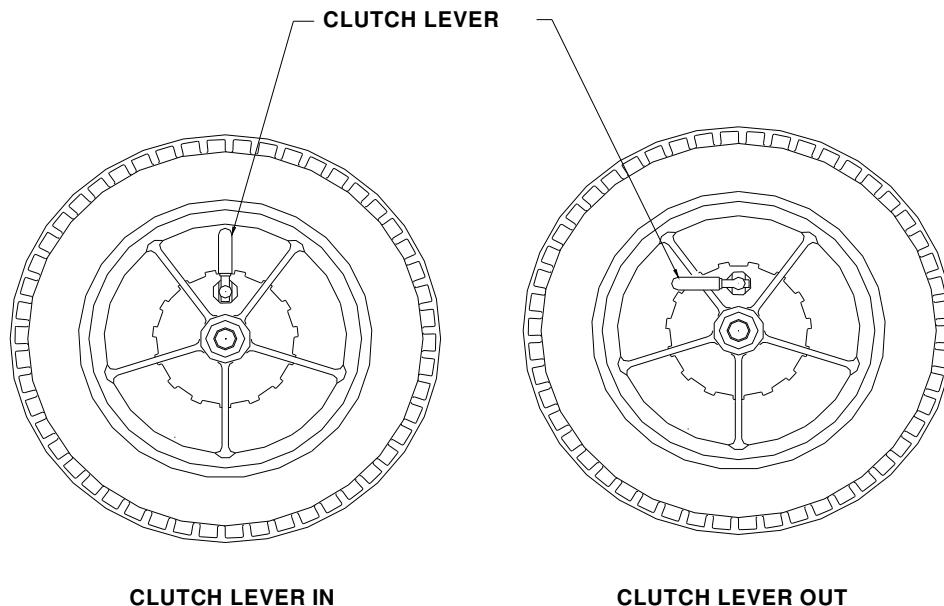
Incorrect tyre pressure can affect the performance and stability of the chair.

## 4.3 Free Wheel Device

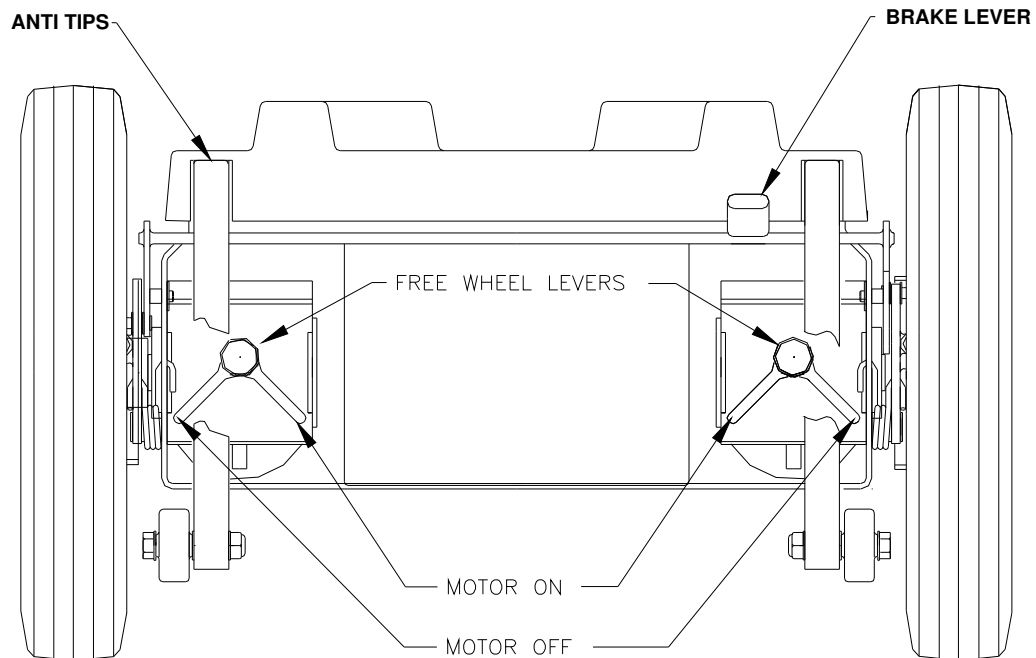
There are two types of free wheel devices fitted to Vixen chairs.

The Cub, Epic and Epioc wheels are engaged when the black handled clutch lever is locked in the 'IN' position. To engage the drive wheels: pull the clutch lever out and turn through 45°.

The Heavy Duty, XL and Tilt in Space wheels are engaged by using the lever at the rear of the motor casing. To disengage the motor, swing the lever outwards through 45°.



**FREEWHEEL OPERATION ON  
VIXEN CUB, EPIC & EPIOC.**



**FREEWHEEL OPERATION  
ON VIXEN HEAVY DUTY,  
TILT IN SPACE & XL.**

#### 4.4 Driving Controls

To switch the chair 'ON' press the 'ON/OFF' button, which illuminates the indicator. If the light flashes this indicates either, the batteries need charging or the joystick was not in a central position when the chair was turned on.

Each controller has it's own user instructions. A description for each controller's use is included in the appendices at the rear of this manual.

The electromagnetic brake automatically engages when the joystick is in the central/neutral position.

**Note:**

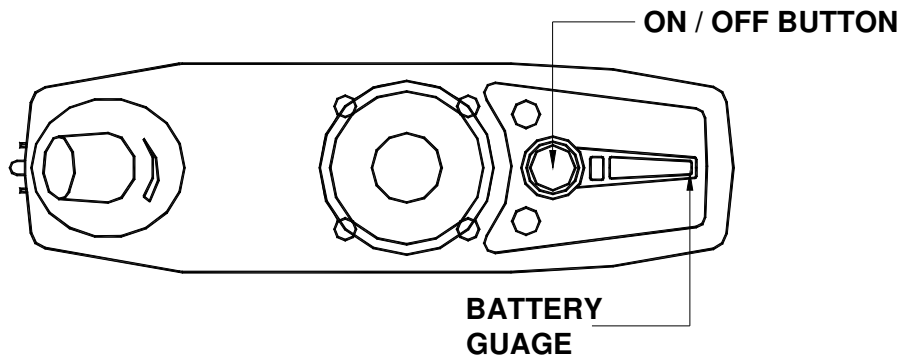
With attendant/dual controllers, the 'ON/OFF' button and power control dial are on the joystick unit and the charging socket may be on either the control box or remote unit.

#### 4.5 Electromagnetic Brakes

To check the brakes are operating correctly; switch the chair on and move the joystick in any direction. The automatic electromagnetic brakes should disengage. Repeat this check in all four directions ensuring the brakes re-engage each time the joystick is released to its central position.

To check the brakes work when engaged; switch the chair on, leave the joystick in neutral and try to push the chair. The chair should not move, confirming the operation of the brakes.

## TOP VIEW



### STANDARD INTEGRAL CONTROL

## 4.6 Test Drive

Before driving the chair, please follow these important DO's and DON'Ts:

**DO:**        Disconnect the charger before using the chair. Ensure the controller is switched off before entering or leaving the chair. Ensure the parking brake is on before entering or leaving the chair. Release the parking brake before using the chair. Turn the power control dial to the low position before using the chair.

**DON'T:** - Enter or leave the chair with the drive wheels disengaged. Stand on the footplates when entering or leaving the chair. Hang heavy objects on the back of the seat unit as it may cause the chair to become unstable.

For user operated chairs, sit comfortably and securely in the chair, switch on and drive the chair to test all controls including the power (speed) limiting control.

Attendant controlled chairs should be tested with another person occupying the chair.

## 4.7 Response Control

Where the chair is fitted with a programmable controller, the response control may be adjusted using the equipment and instructions supplied by the controller manufacturer.

Certain controllers also have a manual response control dial. Again, consult the manufacturers instructions.