

A. ON THE BACK OF THE VEHICLE

A1. Rear wheel



The wheel arch must not rub against the spokes or the cassette

A2. Wheels



A2.1 ... to be centered in their wheel wells

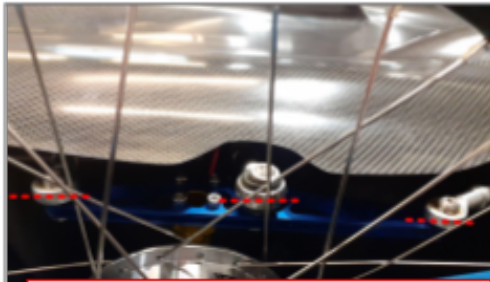


A2.2 ... to not touch the cutouts



A2.3 Brake cable well secured

A3. Rod ends



A3.1 All rod end must be straight



A3.2 have to be firmly locked with their nuts. Ceramic paste have to be applied.

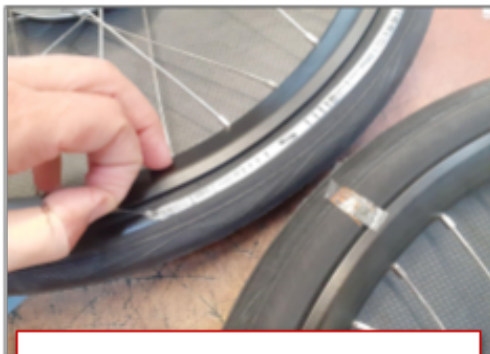
A4. Trailing arm



Must be tightened enough to not deform the wall.

A5. Tyres

Deflate first!



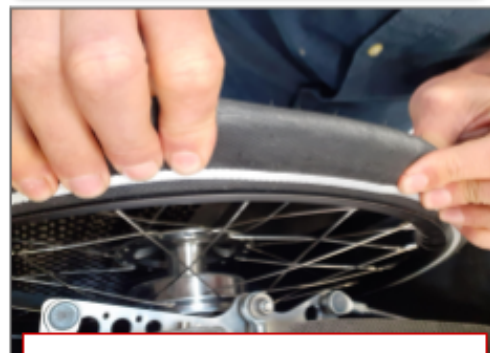
A5.1 Get off the stickers, if present.



A5.2 Check valve



A5.3 The jacket must not have transport damage



A5.4 The inner tube must not be jammed



A5.5 ... twisted or crammed



A5.6 Double layer rim tape properly centered

Inflate tyres with the right pressure given by the producer!

Mount the tyres respecting the rotation!

B. VELOMOBILE STRAIGHT, ON SUPPORT

B1. Suspension



B2. Swing arm



C. ON THE WHEELS

C1. Axel length



Using a distance tool: length before axel lower than rear one with up to 2 mm.

C2. Rear wheel



C2.1 Check rotation direction

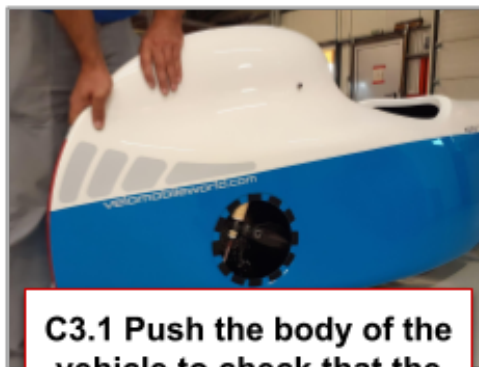


C2.2 Check that wheel hasn't play

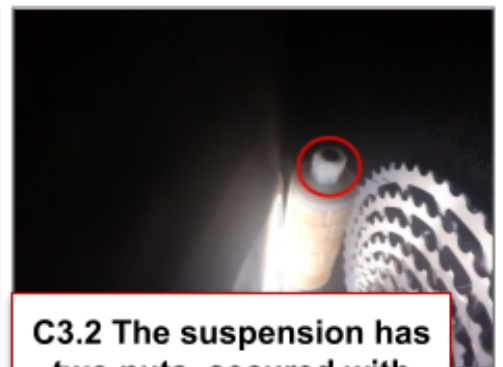
C2.3 Check the bearing of the wheel. When spinned, before spin stop, the wheel must turn back a bit.



C3. Rear suspension

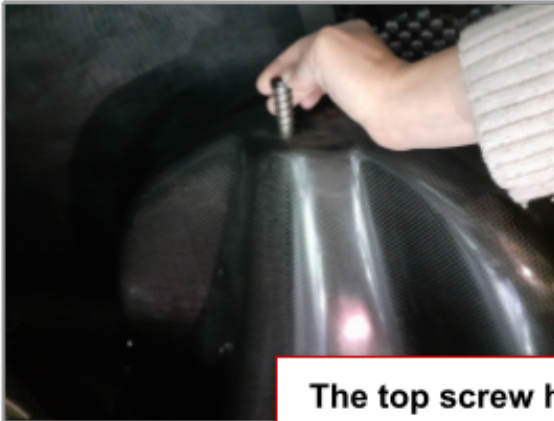


C3.1 Push the body of the vehicle to check that the suspension has not jump.



C3.2 The suspension has two nuts, secured with Loctite.

C4. Front suspension



The top screw has to be good tightened.

C5. Trailing arm (safety relevant)



Check that the inner nut is light tightened

C6. Brakes

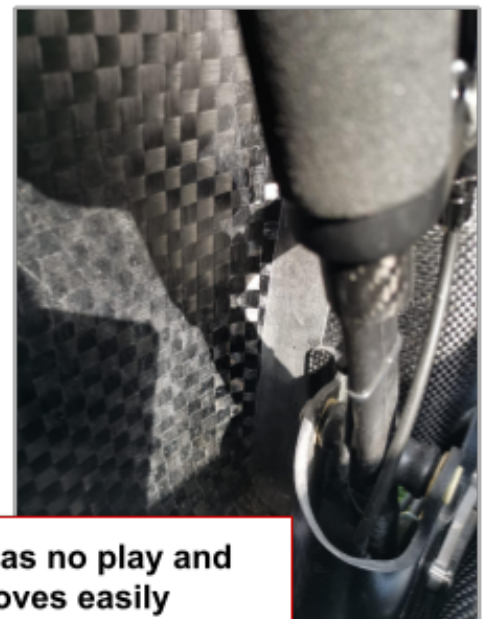


With the stationary brake on, check both sides. Raise the vehicle on each part pushing down on the wheel to see if the brake keeps resistance.

C7. Tank steering

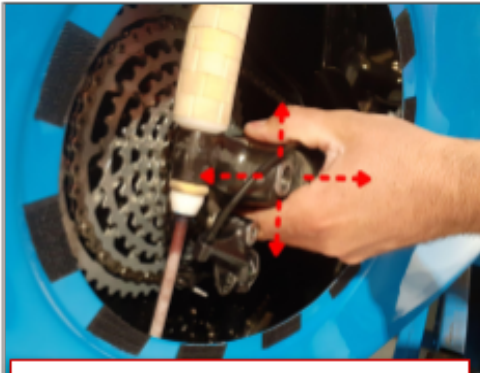


C7.1 must function gradually. The stationary brake have to be handled with ease.



C7.2 has no play and moves easily

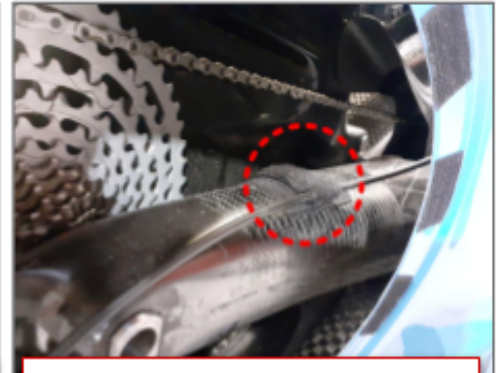
C8. Rear swing arm



C8.1 Is free of play



C8.2 The screw of the bearing must be fixed and have Loctite.



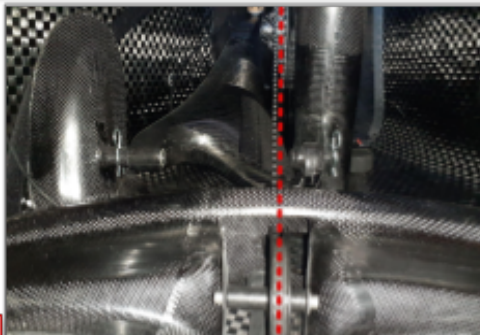
C8.3 The cable must be tighten with velcro.

C9. Rear derailleur

C9.1 All gears should work correctly



C9.2 The end stops must be set (**safety relevant**).



C9.3 The derailleur and the idler should be vertically aligned with the 5'th sheet.



C9.4 The idler should be straight and not rub

C10. Idler and chain



C10.1 Front idler has to be aligned with sheet.

C10.2 Chain must be lubricated.

C10.3 ... and not twisted



C10.4 Under the idler, maximum 3 mm to the floor.

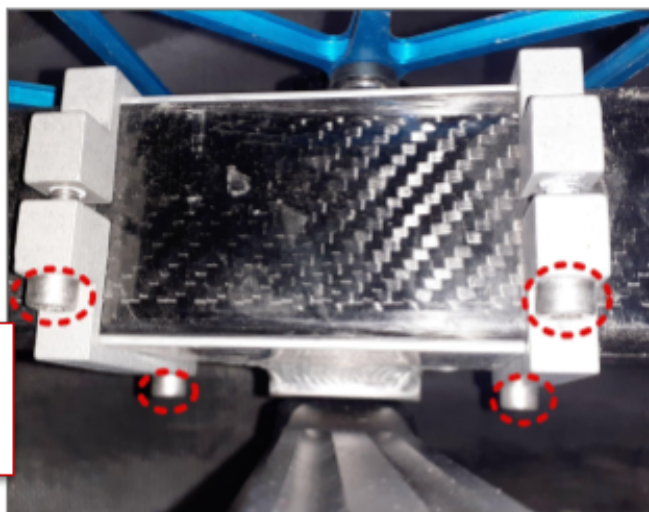


C10.5 Check correct spin of idler



C10.6 Check presence of band inside idler

C11. Crank support



The 4xM6 screws of the bottom bracket slide should be tightened 6 Nm

C12. Crank



Check by torque tool: Crank arm screw Radial: 7 Nm, Crank arm screw axial, Pedal screw: ~ 10 Nm

C13. Balance



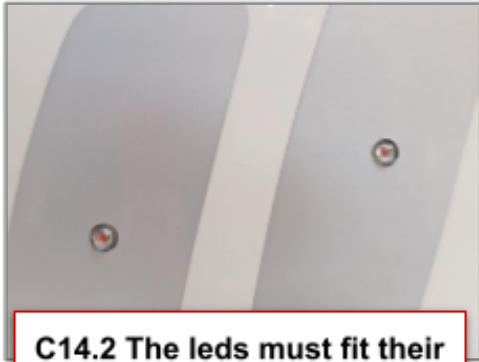
C13.1 The vehicle must be straight



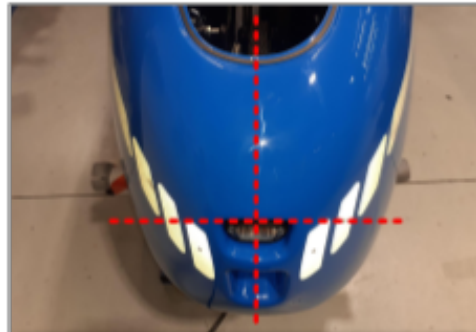
C13.2 The bridge must be correctly centered

C14. Electrics

C14.1 All the electrics have to work.



C14.2 The leds must fit their cutouts in the body, with no glue excess.



C14.3 Front light must be mounted straight

C14.4 The front light is correctly adjusted when the light is pointing slightly downwards but almost parallel to the road. On 5 m distance the light should flare in between the road and 30 cm of height.



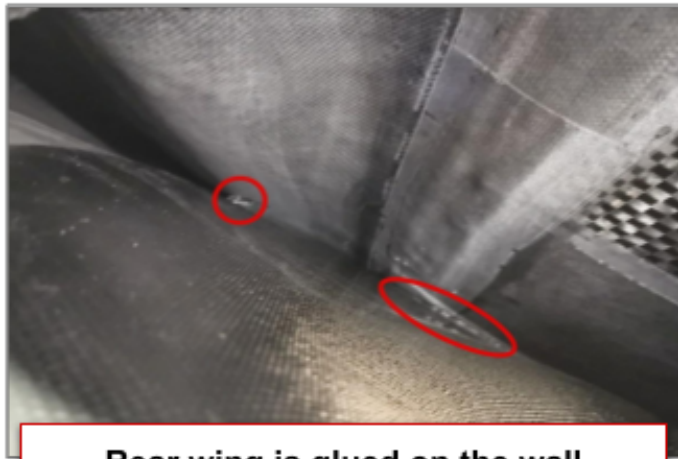
C14.6 Projected on a wall light must be parallel with the ground.

C15. Inside look



Must be clean, neat and without spray paint surfaces. Abras strip marks good position. No white marks in resin.

C16. Gluing



Rear wing is glued on the wall

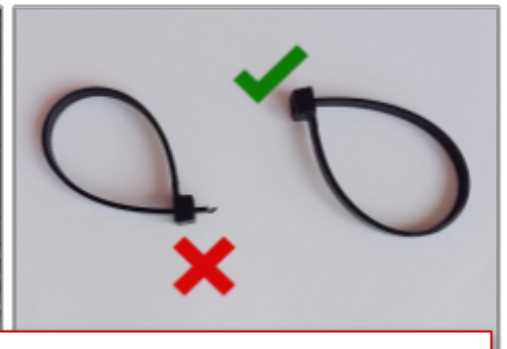
C17. Tubes and cables



C17.1 Chain tubes have to be tied with clamps



C17.2 Clamps on the steering neck cut to not scratch cyclist's feet.



C18. For delivery

The **charger** and **battery** have to be included. Also the **cleats**.

C19. Outside look



C19.1 The covers should be stepped correctly and aligned with their space in the housing and velcro correctly glued.



C19.2 Check the TOP is well established (on the side where the most raised area of cover is)



C19.3 Magnetic strips correctly applied. Check that oil was used before gluing.



C19.4 No adhesive under front light



C19.5 Texts, stickers, reflectives to be correctly glued



C19.6 Check body behind seat, it is a gluing area - to be correctly grouted

D. TEST DRIVE

D1. Steering



The vehicle must go straight.
Drive on a flat road (watch out that most of the roads are tilting to the right).
First check if the steering is free and without resistance or play.
After it, try to find a straight line and hold the steering like in picture 3.
If is tank steering, these must be even in straight driving.
Check if the velomobile keeps going straight.

D2. Brakes

Safety relevant!

The vehicle must not pull left or right side when using the brakes.
The brake cables should be tight enough. (brake reserve?)

D3. Gear shift

All gears should shift correctly.

D4. Safety

Safety relevant!

When applying the brakes at full load the cables must not slip.

D5. Abnormalities

Any noticeable noise must be observed and any other problem.