

Reconditioning guide Panthera wheelchairs

Chassis and back rest frame

- 1) Clean the chassis and back rest using car shampoo or similar light detergent. Never use detergent containing abrasive or corrosive substance. The wheelchair should be turned over to let all the water escape..
- 2) Make a visual inspection of the tubing to make sure they are without deformation or damage.
- 3) On Panthera X the carbon fibre chassis and backrest should be inspected thorough for dents, holes and scratches.
- 4) Grease the bushing at the joint of the backrest.

Rear axle

- 1) Clean the rear axle using a degreasing agent and/or car shampoo.
- 2) Make a visual inspection of the rear axle tubing to ensure that it is not deformed or otherwise damaged.
- 3) Check that the rear axle attachemet to the frame is tighten. Not valid for X and U3 Light.

Mounting of castor wheels – castor fork and wheel

- 1) Unscrew the castor fork from the castor wheel mounting.
- 2) Blow around the bearings using compressed air and check that they rotate smoothly.
- 3) Make a visual inspection of the castor fork to ensure that it is not damaged.
- 4) Dismantle the castor wheel and clean around the bolt, the spacer and the bearings. Hair and dust often collect here which may cause damage to the wheel bearings.
- 5) Check the castor wheel bearings as described above.
- 6) Lubricate the bearings by CRC 5-56 or equivalent.
- 7) Inspect the plastic rim, look for cracks.
- 8) Check the rubber tracking to see if the wheel should be renewed.

Rear wheels

- 1) Clean the rear wheel axle and lubricate with a couple of drops of oil.
- 2) Check that the rear wheel axle is firmly secured to the hub.
- 3) Check that the quick release function is working.
- 4) Check the tension of the spokes.
- 5) Check that the rims are secured to the rear wheels.
- 6) Inspect the tyres and tubes to see if they should be renewed.

Foot rest

- 1) Remove the foot rest and make a visual inspection.
- 2) Lubricate the contraction hose (not X or U3 Light) with Vaseline or equivalent and reassemble the foot rest.

Back and seat upholstery

- 1) Check all the seams.
- 2) If the upholstery is in good condition it can be washed in the washing machine at 40 degrees.
NB - should not be tumble dried.
- 3) **Before washing**, the adjusting ribbons for the backrest upholstery should be put through the clasps and then attach the male velcro to female.
The lower flap should be folded and attached to the female. The upholstery's upper part should be folded down and put under the adjusting ribbons, see images below.
This procedure is to prevent the backrest upholstery to get buried by the male velcro during washing.



Brakes

- 1) Clean the brakes using a degreasing agent and compressed air.
- 2) Apply CRC 5-56 with PTFE / teflon addition or similar to all moving parts.
- 3) Check the locking arm to ensure it is not worn out. (The part that locks into the tire).
- 4) Adjust the brake to achieve correct brake force.

Other accessories

- 1) Clean using a degreasing agent and compressed air if required.
- 2) Inspect the accessory for any damage.
- 3) Check for wear and tear of parts such as springs, and renew them when necessary.

Prevent spread of infection

If the wheelchair has been used by an infected user it should be cleaned as follows:

- 1) All the wheelchair should be wiped off with a cloth soaked with alcohol based antiseptic agent with tenside.
- 2) Wash the back rest and seat according to instructions above.

Only original parts from Panthera may be used with the following exceptions:

- Tires and inner tubes for rear wheels. Should be correctly dimensioned.
- Ball-bearings, bolts, screws, nuts and washers in the correct dimensions
- Alternative pushrims
- Alternative rearwheels which are approved by Panthera