

Assembly of Expedition-carrier (PC-CAR-EXP) v2.0 May 2005

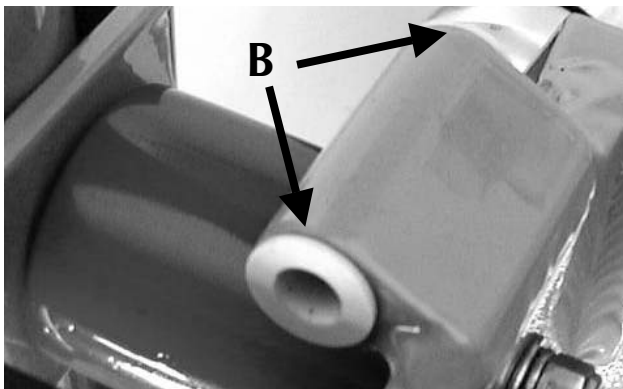
The Expedition-carrier is designed for loads up to 15 kg. The carrier is fixed at the mainframe and the rear swingarm. When the Birdy is folded, the carrier folds automatically. The carrier fits to all 2004 Birdy models with the new seatpost clamp.

Scope of delivery

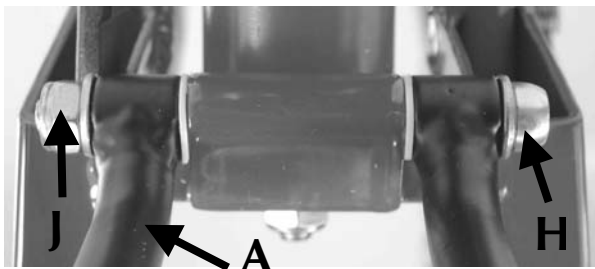
- 1 x carrier incl. carrier expander and reflector
- 2 x carrier stays, assembled
- 4 x bushing (B), 2 already assembled
- 1 x spacer metal, M6, thickness 3mm (G)
- 1 x stainless bolt M6x110, assembled
- 1 x stainless bolt M6x65 (H)
- 1 x lock nut M6 (J)
- 1 x black cap (L)

Assembly

As first step, the remaining two 2 bushings **B** need to be inserted at the rear swingarm. Before you do this, it is a good idea to run an 8mm drill through the hole on the rear swing arm. This will remove any excess powdercoat paint that is inside the hole. Failure to do this might mean that the bushings will need to be pushed into B with extreme force and may crack.



Once the bushings are in place, then fix both carrier stays **A** at the rear swingarm (see picture below, but without any washers) using the M6 bolt and the locknut.



The bolt only should be tightened until there is little play. For optimum folding performance the stays must be able to twist easily.

Now the carrier can be fixed at the new type seat post clamp. For easy assembly please remove the seatpost and slide out the entire clamp/segment system.

The left hand segment can be removed, it will be replaced by the black cap that will sit on the outside of the frame. This may seem strange, but the reason is as follows: When the rear swing arm of the Birdy is folded under the bike it is deliberately off-centred to the left. If the left segment was left in place, this twisting action during folding would squash the left segment against the seatpost when the rear swing arm is folded and it would be impossible to slide the seatpost down.

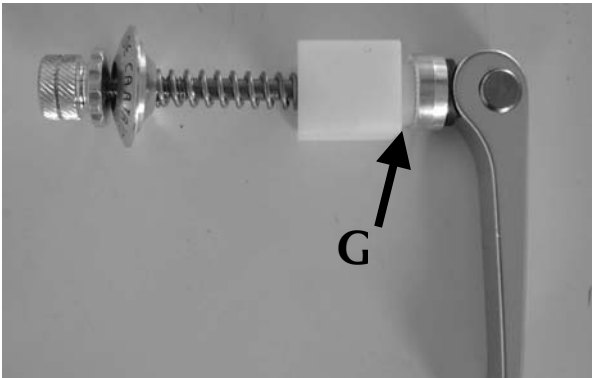
Also remove the two 5mm metal spacers from the seatpost clamp system and the spring. Store these parts in a safe place with the left hand segment. These parts will be needed again if you decide to take the carrier off the bike. (Some Birdys may have 2 x 3mm spacers on each side rather than a single 5mm spacer).

With the seatpost still in, put the right-hand nylon segment into the square hole on the frame ensuring that you have it oriented correctly. Now lift up the right carrier stay so that it is over the segment and at the same time, insert the 3mm metal spacer between the carrier and the segment and slide the quick release skewer into the assembly.

Now, keep sliding the skewer through to the left hand side and ensure that the black cap is between the frame and the carrier stay.

For your reference, the modified seatpost clamp is shown below (the spring shown is not needed).

Assembly of Expedition-carrier (PC-CAR-EXP) v2.0 May 2005



How to maintain the segment clamp

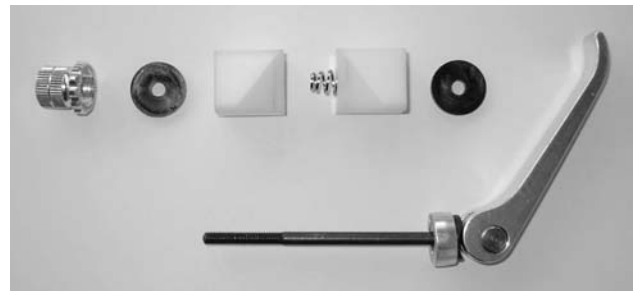
It is not necessary to grease any part of the segment clamp. From time to time it is recommended to clean all parts with a dry lint-free cloth. After contamination with much dirt clean the surfaces with water and some detergent.

How to dismantle the carrier

For use of the Birdy without any carrier the segment clamp has to be re-built to its original stage incl. 2 segments, 2 spacers and without Aheadset cap (see picture below).

Adjustment of segment clamp

Turn the lock nut of the quick release until the seat post is fixed sufficiently but can still be moved easily after opening the quick release.



After folding the rear swingarm please open the quick release and push down the seat post. If everything is set up correctly you should not need a lot of force to slide the seatpost down as a final step.

With the seatpost clamp open, if the seatpost is very difficult to slide down the most likely cause is the distance between the two carrier arms. The optimum distance should be 63.5mm measured from the inside of the arms. If you are having problems, please check this distance and contact your dealer.

! To customers: The procedures described require a certain degree of skill, suitable tools and mechanical experience. We recommend these procedures are carried out only by your dealer.

! To dealers: Please always give this document to your customer after installation.