## **Guidelines for the parts replacement** on CE marked e-bikes / EPACs / EAPCs with 250 watts and a pedal assist of up to 25 kmh (15.5 mph)

CATEGORY 1	CATEGORY 2	CATEGORY 3	CATEGORY 4
Parts that may only be replaced after the vehicle manufacturer/system provider has given approval	Parts that may be replaced after the vehicle or parts manufacturer has given approval*	Parts that do not require specific approval	Special notes for mounting accessories
		> Headset > Bottom bracket > Pedals (Provided that the pedal is not wider than the series/original pedal) > Front derailleur > Rear derailleur (All gear change parts must be suitable for the number of gears and compatible with one another) > Shifters / Twist grip > Cables and housings > Chainwheels / Belt sprockets / Cassette sprockets (Provided that the number of teeth and the diameter is identical to the series/original field of use) > Chainguard > Mudguards (Provided that the width is not smaller than that of the series/original parts and the clearance to the tyre is 10 mm at least) > Spokes > Inner tube of identical design and with identical valve > Dynamo > Battery/rechargeable battery-operated headlights Only, if provided with a K-number) > Rear light (Dynamo-operated or powered by rechargeable e-bike battery) > Reflector	> Bar ends are permissible, provided that they are mounted appropriately towards the front (The load distribution must not be modified severely) > Rear-view mirrors are permissible. > In Germany, additional battery/rechargeable battery-operated headlights with K-number (test certificate) are permissible according to section 67 of the German road traffic licensing regulations. (Inform yourself about the legislation in your country). > Trailers are only permissible after approval by the vehicle manufacturer. > Child seats are only permissible after approval by the vehicle manufacturer. > Front baskets are to be considered critical due to the undefined load distribution. Permissible after approval by the vehicle manufacturer only. > Pannier bags and top cases are permissible. The permissible total weight, the maximum loading of the luggage carrier and a correct load distribution have to be observed. > Permanently mounted weather protection devices are only permissible after approval by the vehicle manufacturer. > Front and rear luggage carriers are only permissible after approval by the vehicle manufacturer.
Translation and layout: Zedler-Institut www.zedler.de As of: 05/2023	* Note: Approval can only be given by the component manufacturer, if the component was tested sufficiently according to its intended use and the respective standards in advance and if a risk analysis was made.	> Spoke reflector > Kickstand > Grips with screw clamps > Bell	

This is the translation of the original guidelines issued by ZIV, VSF, BIV (German umbrella organisation for the German cycle industry guilds) and velotech.de in cooperation with Zedler-Institut, updated in 2023. In the event of any misunderstandings, the original German version (Leitfaden für den Bauteiletausch bei CE-gekennzeichneten E-Bikes/Pedelecs mit 250 Watt und einer Tretunterstützung bis 25 km/h) shall be applicable.





(in alphabetic order):



Experts of the following associations/companies were involved in drawing up the present guidelines



