

Interior

1. The "Cargo" clutch



The heart of the **high-speed-drive** gearing system is the "Cargo" clutch, which is switched by pushing the gear shift button either on the left or on the right side.

It is precisely machined out of an extremely strong steel to withstand the harshest conditions.

We offer a lifetime warranty on this part!

2. The planetary system



In the centre there is the so called sunwheel. Like planets around the sun, the four planet pinions orbit the sunwheel.

There are two different gear ratios if the axle is coupled either with the sunwheel or the planet carrier.

On the photo, you can also see the simple, tough structure of **high-speed-drive**.



The design allows to strip down the system without any special tools, if ever required.

Thanks to the completely enclosed housing, **high-speed-drive** is very resistant against dust, water and other environmental influences.

We just have a couple of customers, who have driven several 10'000 miles without having had any problems with their **mountain-drives** and **speed-drives**. Due to the fact, that **high-speed-drive** has no sealing at the circumference, the protection against environmental influences is even better!

The chainring is made of strong 7075 aluminum. If ever required, it can be easily exchanged.