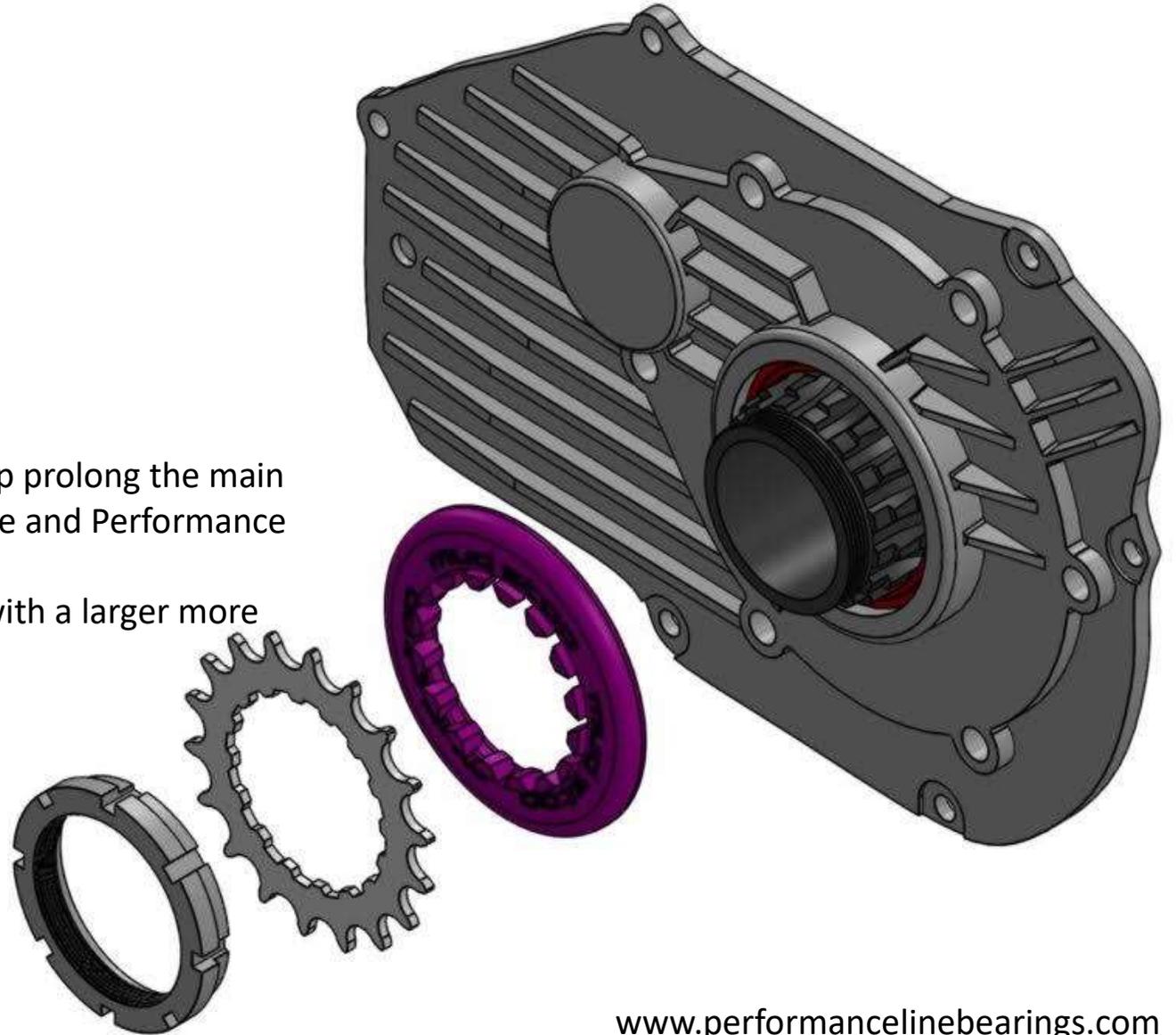




DOES IT WORK?

MudStop is a bearing protection cover to help prolong the main motor bearing life for Bosch Performance Line and Performance Line CX motors.

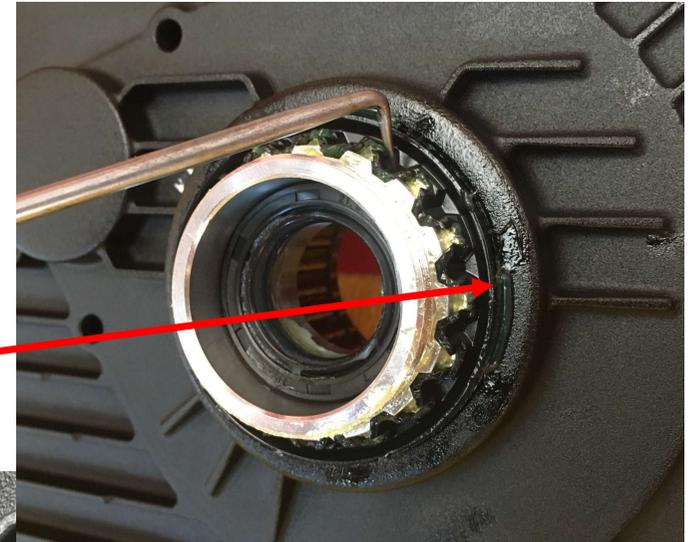
It replaces the original Bosch bearing cover with a larger more efficient cover.



First we should look at a Bosch bearing cover. Definitely better than nothing but has its limitations.

The Bosch bearing cover sits on top of the bearing and has a moving joint between the bearing cover and the motor cover.

This gap is not waterproof and any grit or dirt sticking to the grease eventually gets wound into the bearing.

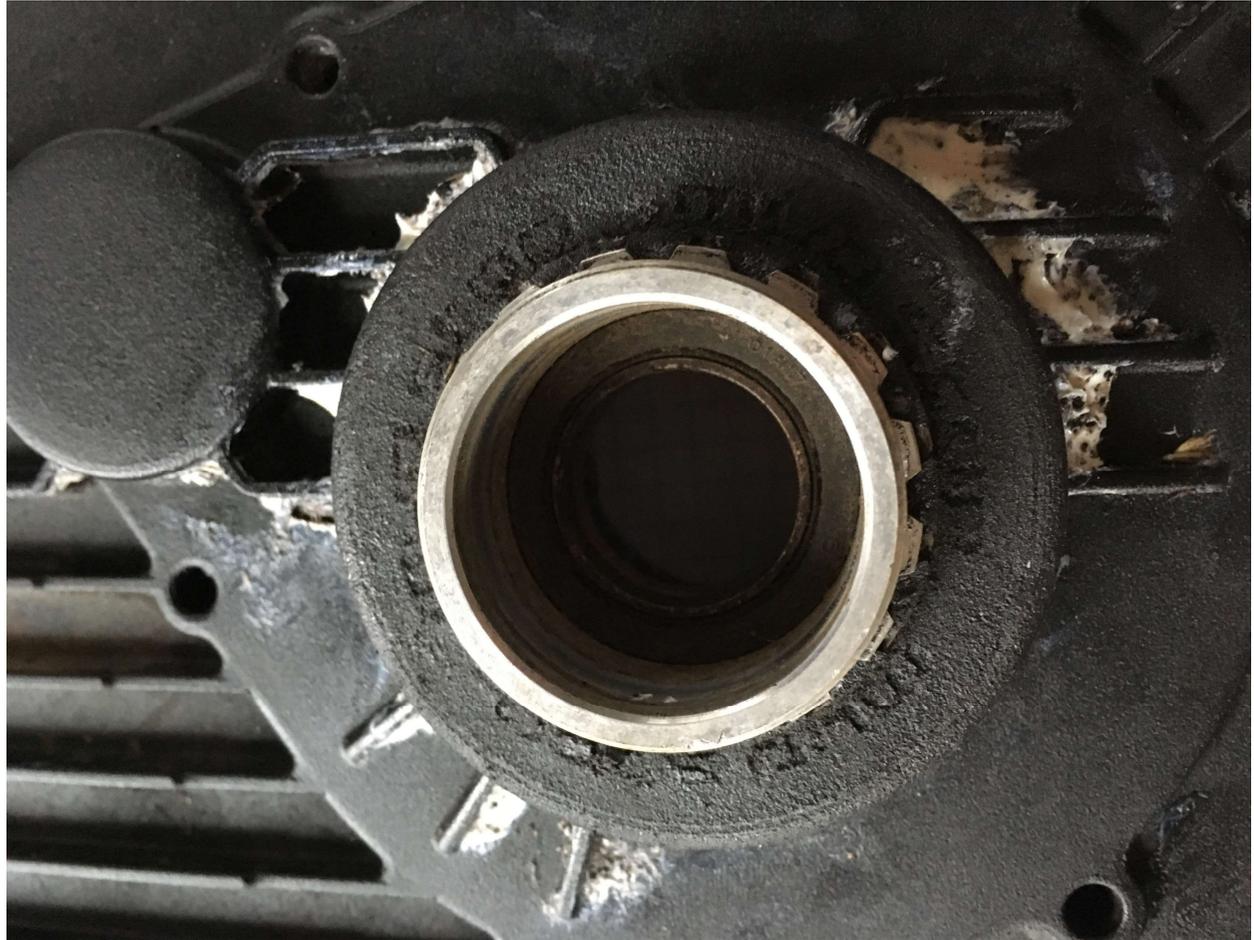


At Performance Line Bearings we don't like selling anything unless we're sure it works.

We have often been asked if this product is better than the Bosch bearing cover? Or, does the MudStop wear away the motor cover when grit and dirt get under it?

Lets take a look.

The MudStop on the right has been fitted for a year and travelled 2,732 Miles (4.397 Km)



Removing the MudStop we can see that even though the wrong grease was used, it really has done a good job of stopping any mud, grit, dirt or water getting to the vulnerable bearing.

We can see that most of the dirt has been caught in the groove that sits atop of the bearing. (this grit catching groove is missing on the Bosch seal)



With everything cleaned up we can see exactly what's been going on.

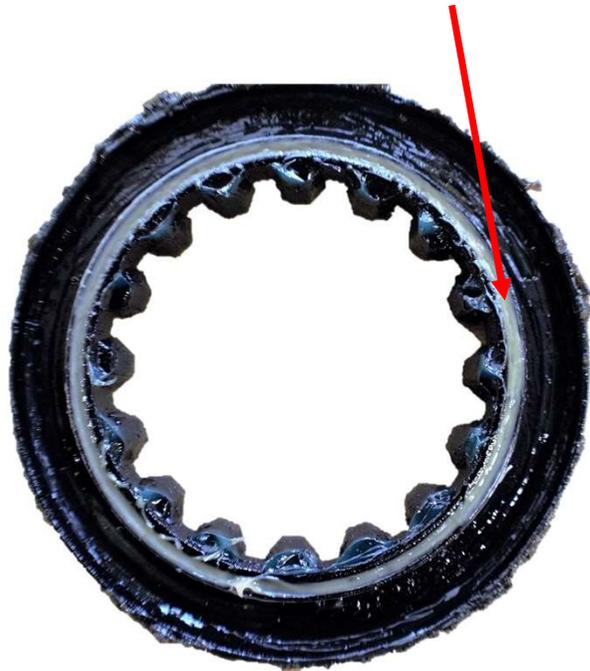
The main motor bearing was in perfect condition although just the top surface of paint has been removed from one side of the casing (This may have been due to the grease as the next example will show).



This motor had only covered 600 Miles (966 Km)
But, it went through one of England's wettest
winters on record. It's fitted to an MTB and only
used off road.

The motor has also been regularly washed.

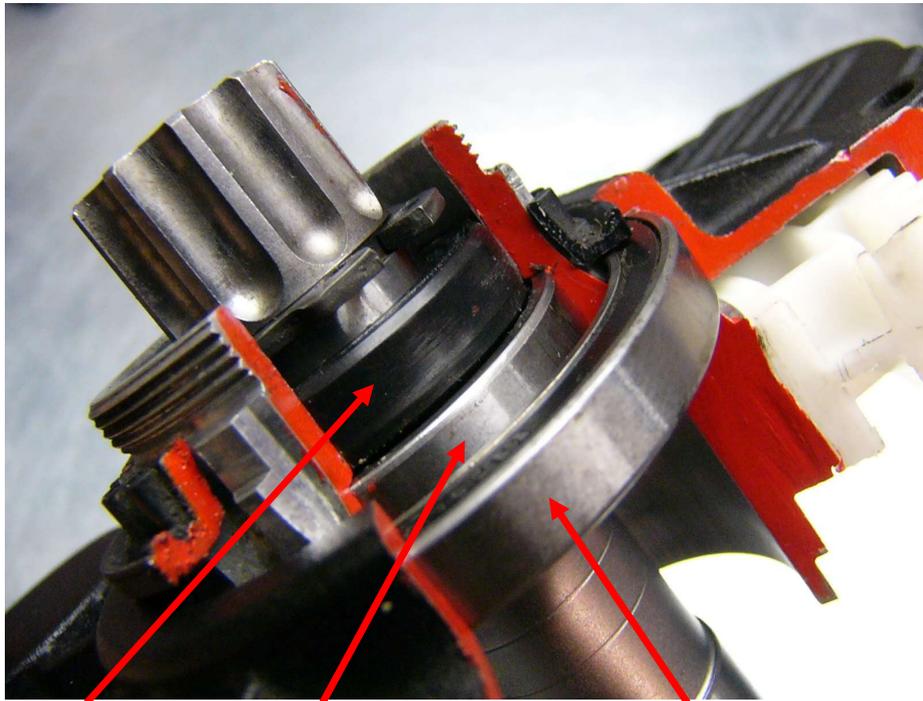
The colour of the grease shows it has started to
emulsify with the water, but again, this has been
caught in the bearing groove



There was no wear or damage to the motor cover or the bearing.

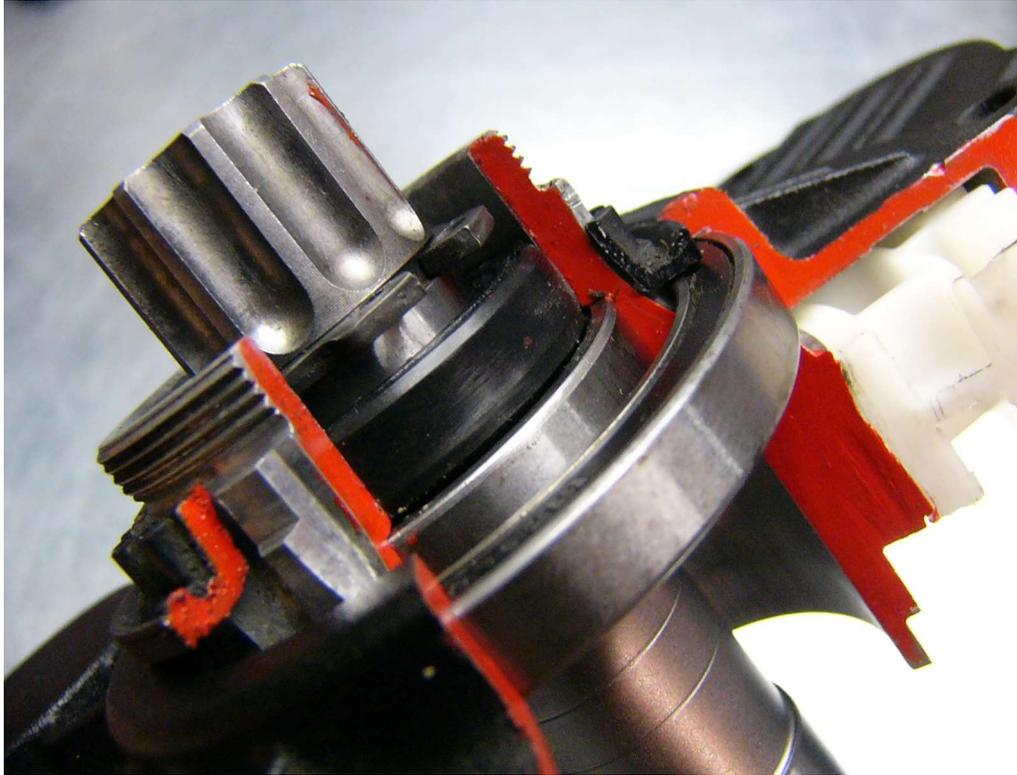


When the MudStop is fitted in conjunction with our double lip rotary seal, the right side of the motor is as protected as it can currently be.



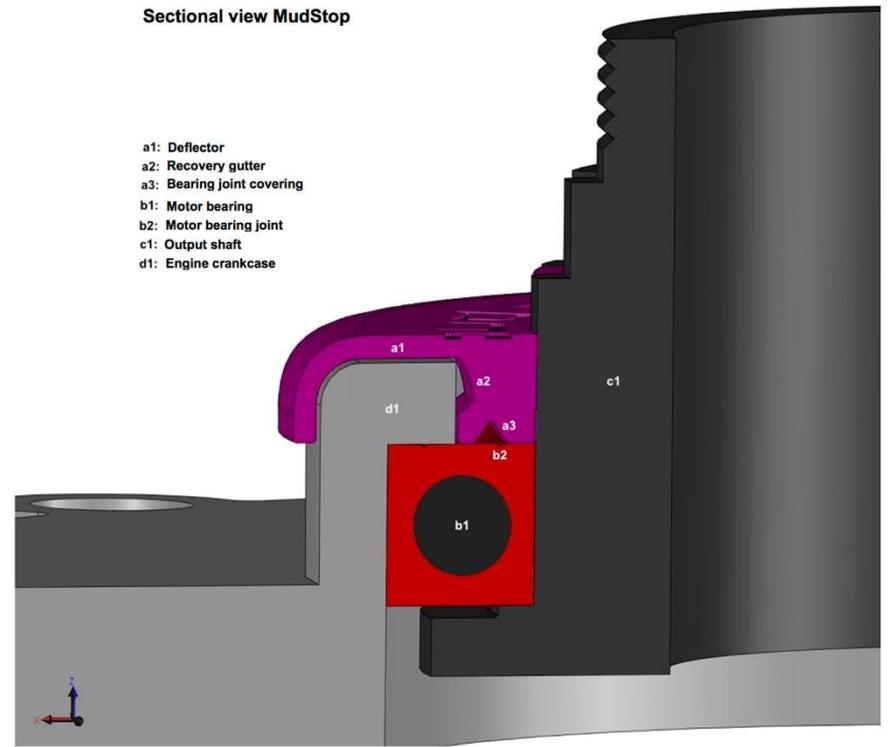
Seal Crankshaft bearing Main motor bearing





Sectional view MudStop

- a1: Deflector
- a2: Recovery gutter
- a3: Bearing joint covering
- b1: Motor bearing
- b2: Motor bearing joint
- c1: Output shaft
- d1: Engine crankcase



MudStop and crankshaft bearing seal are both available from www.performancelinebearings.com