

experts & customers say:

“With over fifteen years experience on Volvo Penta engines and stern legs I have seen many expensive repairs carried out because water has entered the universal bellows..... the most common failure is caused by barnacles, oysters and mussels growing on and around the bellows and cutting the rubber.... I have been recommending Barnacle Busters Protectors for several years now to my customers...”

Aaron Stenbeck, Matakana Marine & Engineering

“It was costing me thousands of dollars due to barnacles cutting holes in the bellows of all my Water taxis. Since I have put on the Bellows Protector, I have saved lots of money and had less breakdowns.

This is very important for my customers and business”.

Reubens Water Taxi Ltd, NZ

“My Noosa Cat was the first vessel in Australia to be fitted with Barnacle Busters Protectors....for 12 months....The bellows and ram components were in pristine condition with no marine growth present.... no problems with water entry into the bellows or rams caused by damage from barnacles and oysters.... I recommend to all sterndrive owners to invest in Barnacle Busters Protectors so that you can enjoy boating with a lot less stress....added safety of reduced breakdowns at sea”.

Tony Champion, Queensland, Australia

PROTECTORS FOR

VOLVO
sterndrives

MERCURY
sterndrives

YAMAHA
sterndrives

Konrad
sterndrives

Available from

**BARNACLE BUSTERS LTD
NEW ZEALAND**

**Minimise your
repairs and
maintenance
costs!**

**“PROTECTORS”
FOR BELLOWS,
TRIM/TILT
& STEERING RAMS ON
STERNDRIVES**



WITHOUT A PROTECTOR



WITH A PROTECTOR

Barnacle Busters Ltd

It was in the Year 2000, we first became the owners of a Genesis 32 launch powered by twin 150hp Volvo Sterndrives. Great boat, great engines, great legs! yes indeed if the maintenance is done strictly when is supposed to be done.

To which we did faithfully by extracting her from the water every three months scraping and cleaning the barnacles and oysters off the legs and paying particular attention to the bellows too.



However, as the warmer summer months come upon us so does the marine growth and two-fold. It was on one of these warm summer days when we were on a family trip to Great Barrier Island that we encountered our very first problem where one of the sternlegs seized on us, so shutting this engine down and forced to flag the rest of our holiday we limped back home on our one remaining sternleg at 9 knots, a vast speed difference compared to our usual 25 knots cruise. Very valuable lessons we learnt were firstly that the weather was good and calm sea conditions for the children aboard and even more importantly we had that additional engine and sternleg to be able to get home. When we arrived back at Sandspit we contacted our local Volvo service agent who promptly came to inspect our problem. His diagnosis was that we had a hole punctured in the bellows caused by marine growth. This resulted in water ingress and subsequent bearing failure.

The final bill was no less than \$2,000 in repairs due to perhaps only one little barnacle.

It was then we searched the market industries for remedies to this problem. Some of these home remedies included painting the bellows with Anti-foul, covering the bellows with Lanolin etc, but found these to be very temporary measures.

We conducted our own research and developed a product for testing which was done on a local water taxi for a period of almost 12 months.

During this time the taxi had clocked up 1300 hours of commercial use. We then inspected the bellows and rams and found that during this time they had remained free from barnacle and oyster growth and still looked like new. Photo's of these results may be viewed on the following page.

It was then after this success we developed Barnacle Busters Ltd, providing sterndrive owners with Protectors to help ensure safe and trouble free boating. These are now proven products on the market which help preventative maintenance.

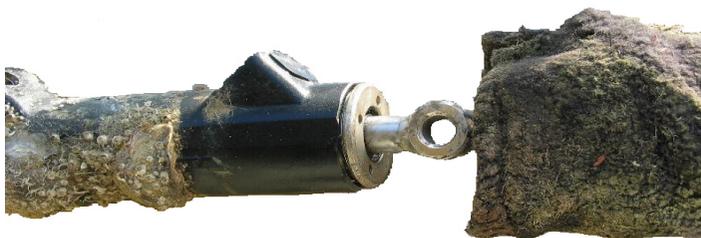
Barnacle Busters Ltd have been producing and supplying Protectors for New Zealand over the past 5 years and 3 years ago we commenced supplying to other parts of the world.

VOLVO DPH STEERING RAM



Protector fitted to steering ram

VOLVO TRIM/TILT RAM PROTECTORS



After Protector removed from ram

TYPICAL UNI BELLOWS



Without a Protector



With a Protector

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