



Patented

## Launch & Retrieve Boat Latch

Applies to product version - June 2010

# "Latch Support" option



The 'Latch Support'

### Why is the Latch Support only made of galvanised mild steel ?

Cost - Marine grade stainless steel is extremely expensive.

Normally the Latch is bolted to the trailer winch support which is usually always galvanised mild steel anyway.

It is preferable if the Latch and the trailer and/or Latch support are isolated with a coating. Corrosion can occur between dissimilar metals. Compounds such as Duralac - are suitable - this is available through a number of marine component dealers.



### Note on Bolts used

You may have to use longer winch bolts, depending on your set up.

Many winches require high tensile bolts and they are not always fitted. Also some winch manufacturers specify the use of three bolts, two at the front and one at the rear, but so often only two are fitted. If you get longer bolts, best option is to get corrosion resistant high tensile bolts.

### Bolt Sizes

The sizes we have allowed for are 10 mm diameter metric bolts. Can also fit 3/8 inch bolts. You should use spring washers and nylon locking nuts, to stop the nuts from vibrating off.

### Latch to Snare angle

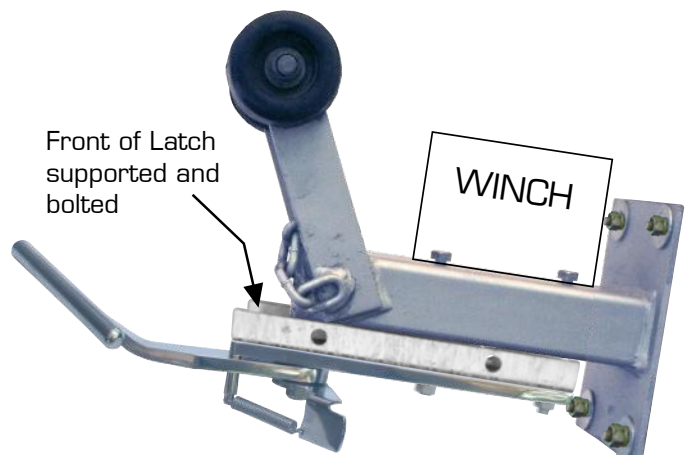
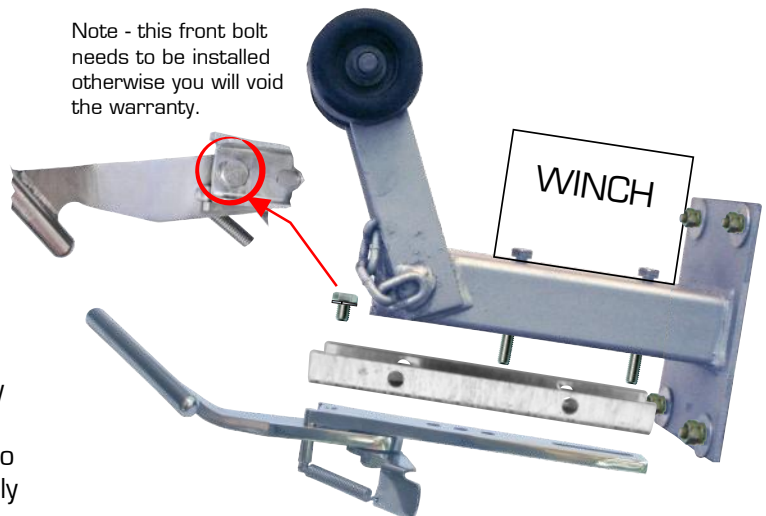
They should meet at the right angle ( $80 \pm 15$  degrees) for proper operation, particularly on the 'retrieve'. By adding the "Wedge" side plates you can easily increase the angle by  $\pm 14$  degrees. See "The Wedge Option" & "Before you Install".

### In what situations would you need a Latch Support ?

Where the front of the latch is sitting out 'in space' with no backing support and no surface to mount the front latch bolt.



In these circumstances the front of the latch can bend in extreme situations and ruin its functionality.



More information at:- [www.boatlatch.com](http://www.boatlatch.com)