



prop protector

INSTALL SOME PEACE OF MIND, FIT A PROP PROTECTOR

Installation Instructions

Thank you for choosing **Prop Protector**. Before installing the cutter, make sure that the shaft surface where the cutter will be fitted is completely clean. The cutting edge is very sharp and is protected with a plastic cover that should be cut to release but then replaced until the installation is complete. During and after removal of the cover, avoid contact with the sharp edge.

Installing the Slide-On unit:

Remove the cotter pin or other locking device, from the propeller-securing nut; remove the nut, key and propeller. With the protective cover in place, slide the unit onto the shaft with the hub facing aft to leave a gap of at least 1/4" (6mm) between the cutter and the stern bearing. If there is more than the minimum recommended gap on the shaft, the cutter may be placed in the middle of this space or in contact with the propeller hub, except if you intend to use a prop puller to remove the propeller at some time in the future. If so, remember to leave sufficient space between the cutter and the propeller for the puller to fit. Mark the position on the shaft and remove the unit. Centre pop the shaft with a punch at the point where the setscrew will be located.

Drill a dimple about 3/32" (2mm) deep at the punched mark using a 1/4" (6mm) diameter drill, or file a small flat on the shaft. Slide the unit back onto the shaft, insert the self locking grub setscrew and tighten fully into the dimple or onto the flat on the shaft. Replace the key and propeller. Tighten the propeller-retaining nut and fit a new cotter pin, or other locking device. Re-check for tightness. Carefully remove the protective cover from the unit and the installation is complete.

Installing the Clamp-On unit:

It is not necessary to remove the propeller to fit this type. With the protective covers in place, dismantle the unit and **DISCARD the transport bolts that are fitted to the unit** then place one half of the assembly on the shaft with the hub facing aft. On Standard and Medium units leave a gap of at least 1/4" (6mm) between the unit and the stern bearing. A minimum gap of 3/8" (10mm) should be left for Large cutters. If there is more than the minimum recommended gap on the shaft, the cutter may be placed in the middle of this space or in contact with the propeller hub. Mark the position on the shaft and remove the half unit. Centre pop the shaft with a punch at the point where the grub screw will be located. Drill a dimple about 3/32" (2mm) deep at the punched mark using a 1/4" (6mm) diameter drill, or file a small flat on the shaft. Place both halves onto the shaft, insert both of the self locking socket cap head screws and screw in finger-tight into their respective holes on the unit. Move the unit until the grub screw hole lines up with the drill dimple or flat on the shaft and tighten both socket cap head screws equal amounts until the unit is firmly fixed to the shaft. Check that the grub screw hole is still aligned with the dimple and then fully tighten both cap head screws and the grub screw. Re-check for tightness. Carefully remove the protective cover from the unit and the installation is complete.

Note 1: The bolts that are installed with your cutter are for transport only. They must be discarded and the enclosed self locking bolts used in their place.

Note 2: Due to the material used for the locking compound on the fixings hardening in cool temperatures it has been found to be beneficial to keep the fixings warm (e.g. hand/pocket temperature) when fitting in low temperatures.

Note 3: The fasteners should be checked at regular intervals for security.

Note 4: Crewmembers, divers, swimmers and others in close proximity should be made aware that there is a cutting device fitted to the propeller shaft of your vessel. For this purpose we enclose a safety warning label which we urge you to install prominently port and starboard of your vessel on the topsides or weed hatch.

Limited Warranty:

All **Prop Protectors** are made using only the best marine grade materials and are warranted against faulty materials or workmanship for a period of five years from date of purchase. We also guarantee to refund the full purchase price (less postage and handling) should you find the cutter is not suitable for your particular application or if you are dissatisfied in any way with your purchase, providing the cutter is returned post paid and in perfect condition within 30 days of purchase.

Important Notice to Purchaser:

All technical information and recommendations relating to **Prop Protectors** is based on information believed to be reliable but the accuracy or completeness thereof is not guaranteed. Advice regarding suitability for the intended use is contained within our publicity leaflet. If this advice is not adhered to then no liability for loss or damage is accepted. We specifically disclaim liability for loss or damage arising as a result of the **Prop Protector** not being fitted or used correctly. The user assumes all risks and liability whatsoever in connection with such use. Remember to always maintain a constant lookout and try to avoid debris in the water.