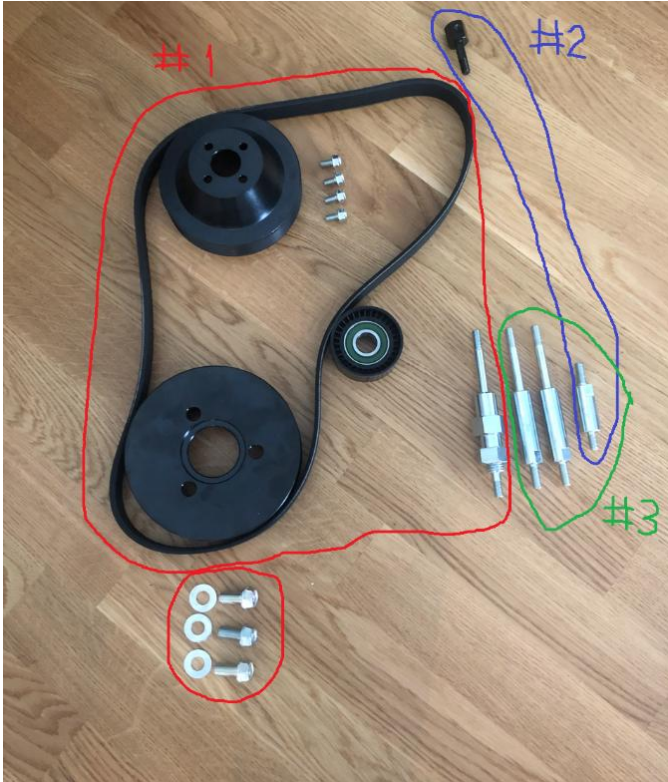


6PK upgrade for Yanmar 3JH4 and 4JH4 with 125A generator



#1 Required Yanmar parts.

Part	Part no	Cost/psc (excl VAT)	Total Cost
PULLEY, CRANK 6PK	129271-21660	€31.61	€31.6
BOLT, M10X 20 PLATED	26106-100202	€1.44	€4.32
WASHER, 10	22137-100000	€0.66	€1.98
BELT, ALTERNATOR 6PK	129271-77680	€16.12	€16.12
PULLEY, PUMP 6PK	129271-42350	€32.96	€32.96
BOLT M 6X 12 PLATED	26106-060122	€0.86	€3.44
BOLT, IDLER BELT	129271-77651	€12.99	€12.99
IDLER ASSY, BELT	129271-77660	€26.73	€26.73
NUT, M16	26716-160002	€1.70	€1.70

Total cost (incl VAT) 160€ + freight (<https://dieselpartseurope.com/>)

I purchased the alternator from <https://www.startmotor.se/>

Part	Descripton	Qty	Prices (ex VAT)
N.A.	Remskiva 6 spår till 390051, utgå från 390048 men 55mm diameter	1	200.00 SEK
390 051	Generator 14V 125A (1-polig)	1	3 596.00 SEK

There might be a standard pulley for this setup, call Christer Håkansson, ref to my order O77517-1

Original 125A Alternator (Actually 120 A) is also available from Yanmar including pulley

Part	Part no	Cost/psc (excl VAT)	Total Cost
ALTERNATOR, 12V-125A	128990-77250	€709.79	€709.79

I modified the belt tensioner. Nice to have but not necessary



Below parts are #2 in pict 1

Part	Part no	Cost/psc (excl VAT)	Qty	Total Cost	#
BOLT, BELT COVER	129271-77421	€3.32	1	€6.49	#A
BOLT, ADJUSTER	129271-77641	€6.49	1	€6.49	#B

Drilled a 8,5 mm hole in #A, cut to length and painted.



I had to drill away the treads in the upper alternator ear (#C) with a 8,5mm drill to fit #B.

In addition, I needed 2 M8 nuts, 3 M8 washers and a 100mm M8 bolt.

I also purchased #3 acc to pict 1, but those were identical with the original (but with different art no).

To get the belt cover to align you need to fit 2-3 M8 washers on the bolts. I skipped the belt cover completely.

Installation

The installation is straight forward. But you need to loosen the 4 screws holding the water pump pulley before removing the original belt. Remove old pulley including the spacer and replace with new pulley. Use medium Loctite.



Replace existing cover-bolt with idler-belt bolt and install idler assembly.

Install crank pulley using medium Loctite. Replace alternator and install the belt tension modification. Install belt and tighten acc to spec.

Done!