

Replacing the Rack Gears and Cables SM & 54

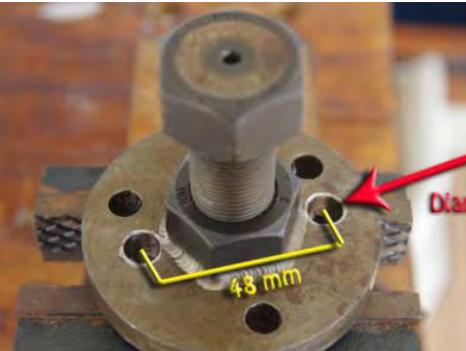
(Translated from French to English. French is available...email bill@YachtSchool.us)



This document is likely not perfect. It is the best information I can find. I used 3 sources to compile this. Please update me with any errors or additional information. Special Thanks to Steve S/V ALOHA and Nicolas S/V BADINGUET

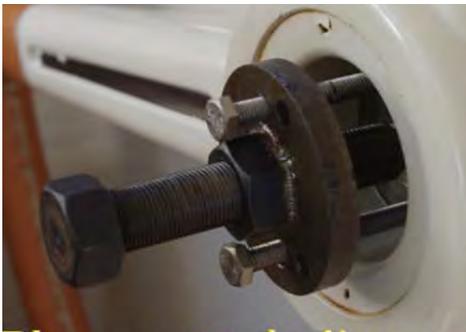
Preparation: Remove the Steering Wheel (Most SM & 54s):

Note: Not all SMs have the same steering wheel. There are 3 versions. The procedure described here should work with most SMs. You may have to improvise.



In the cockpit unscrew the 2 small screws holding the center cover of the steering wheel. Unscrew the nut located behind the cover, you have to hold the helm so that it does not turn. Red arrows point to the Two 8mm holes used to extract the wheel with a wheel puller (see below).

If the steering wheel remains stuck and impossible to remove by hand, there are two threaded holes 8mm on either side of the axis. Use the AutoProp Puller and modify it by drilling two 9mm holes spaced 48mm apart on each side of the axle.



Two 8mm screws are inserted into the new holes of the extractor and screwed into the holes of the wheel. By screwing in the center bolt of the AutoProp Puller, the steering wheel can be removed.

Note from Steve S/V ALOHA: The older SMs do not have the 2 holes on the wheel for a puller. Technique that works is to have one person sit in the helm seat and pull hard on the wheel with both hands while the other taps on the shaft with a weighted mallet. Make sure to protect the threads on the shaft with the nut. This was recommended by Olivier, and it worked after a few whacks



Remove the Circlip and washer with Circlip Pliers, or with needle nose pliers and/or a screwdriver.



Circlip & washer. Retain for reassembly