

Rowperfect

Replacement of Shock Cord

The front side of the main frame is the side of the main shaft, the back side is the stretcher side. Please note that the pictures EI5, EI7, EI8, EI10, EI13, EI15 and EI18 are made from a mock-up, outside the main frame for better visibility.

Tools required:

2.5 meters string approx. thickness 3 mm,
1 spanners size 8, 10 and 13,
1 tube wrench size 17.

Remove the stretcher boards

Remove the handle and the U bolt.

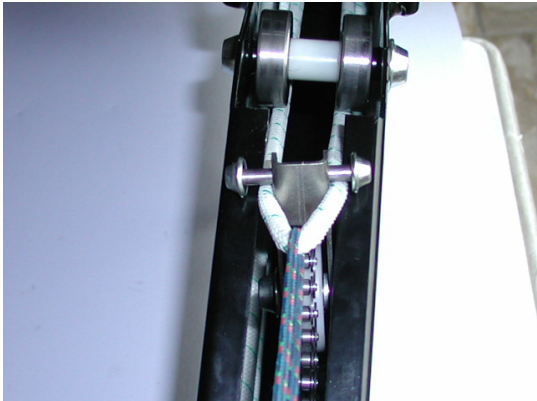
For ease of handling, remove the flywheel.

Remove the main frame from the main bar and put it upside down on a table or working bench. Make sure the flywheel cage is properly supported, so that the unit will not topple over when working at it.

Remove the bottom part of the main frame. (Optional, but the easiest way.) Leave roller bearings washers and nuts in place.

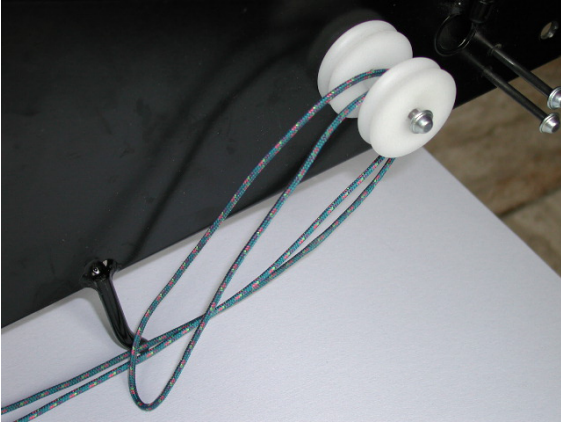
Pull the chain out completely. Put the string around one side of the elastic cord holding the traveling pulley; make sure both sides of the string are equally long. Let the chain recoil until the traveling pulley is at the beginning of the bottom part of the main frame.

Pull the elastic cord upwards, and unhook the traveling pulley from the elastic cord. (EI1)

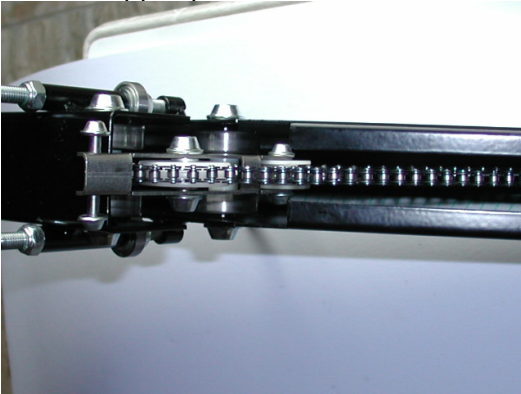


Let the elastic cord recoil completely, pulling the string around the rear axle. Loosen the elastic cord from the rear axles. Keeping the string in position remove the elastic cord. (EI2)

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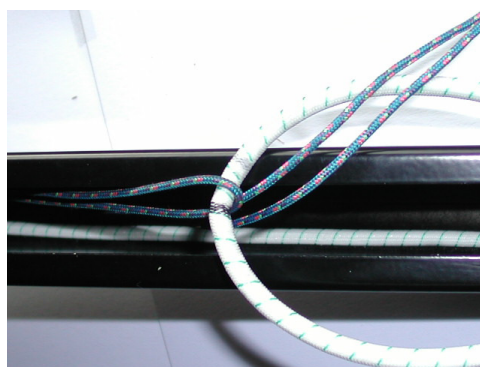
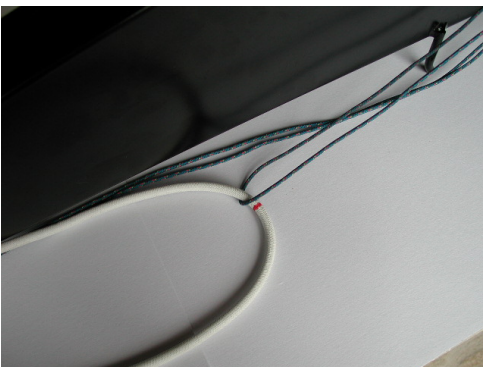


Take the chain and the traveling pulley; move the traveling pulley in between the lower part of the main frame and the upper part outside the main frame, and fold the chain over to the front. (EI3,EI4)



Take the new elastic cord and mark the middle of it.

Take the elastic cord and bring one end through the noose of the string until the noose of the string is in the middle of the elastic cord.(EI5,EI6)

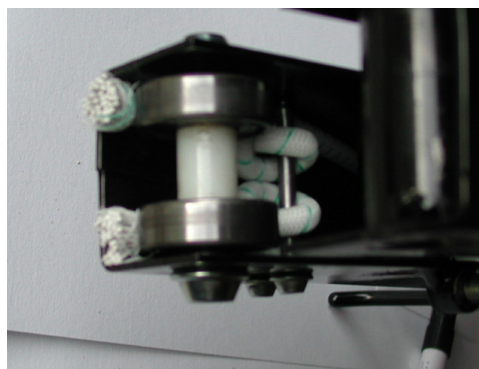
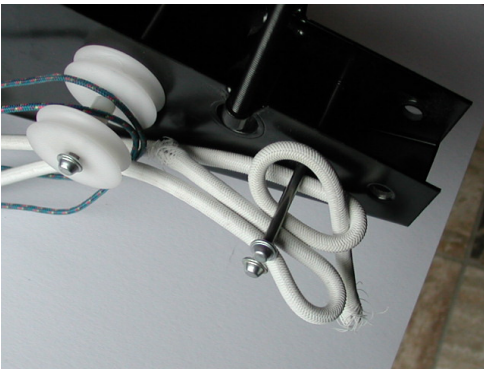


At each inside of the frame, push one end of the elastic cord downwards between the foremost elastic cord pulley and the foremost axle, and then backwards between the rim of the main frame and the elastic cord pulley, towards the back of the main frame. Make sure both ends stay at their proper side of the frame.(EL7)

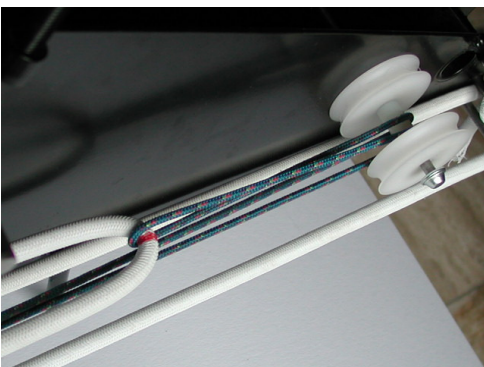
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Bend the ends of the elastic cord from the side inwards to form a noose. Push this noose between and through the two axles at the back of the main frame, and put the end of the elastic cord down through this noose (E18)

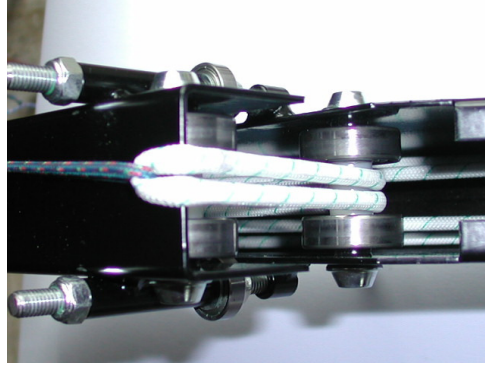


and to the rear of the main frame, push it under the rollers to keep it in place.(E19) The end of the elastic cord then should be flush with the end of the main frame. Then put tension on the elastic cord by pulling the loose ends of the string towards the main shaft. Make sure the noose of the string corresponds to the middle of the elastic cord.(E110)

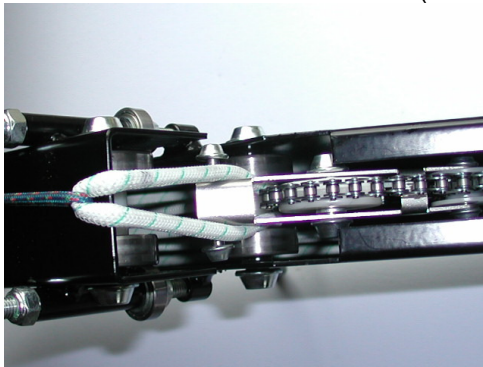


Pull the elastic cord all the way around the rear axle forward and upwards, until above the rim of the bottom part of the main frame. Secure the string by tying it around the hindmost pair of adjustment bolts. (E111,E112)

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Check whether both ends of the elastic cord have stayed at their proper side; if this is not the case correct it. Take the chain and traveling pulley, stretch the chain and insert the traveling pulley between the two sides of the main frame close to the bottom part. Insert the traveling pulley between the two sides of the elastic cord, and hook the elastic axle with its Starlock washers behind the elastic cord. (E113,E114)

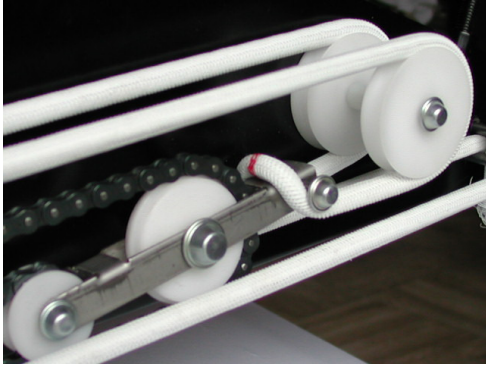


Pull the chain out to take up any slack, and make sure the chain runs correctly over the middle of the chain wheel. Loosen the string cautiously from the hindmost adjustment bolts and release tension slowly. When the chain has reached its final position, and still runs over the chain wheel correctly, pull the string out slowly by one of its ends.(E115,E116,E117)



Push both sides of the elastic cord on their proper hind pulleys, and make sure the elastic axle of the traveling pulley runs free from the elastic cord.(E118,E119)

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Pull the chain out completely and check whether it runs correctly over the chain wheel.
Push both loose ends of the elastic cord forward free from the rollers.
Put the bottom part of the main frame on again and loosely place the M 8 Nyloc nuts.
Put the main frame on the main bar again and re-adjust the clearance of the rollers as per section 5 Maintenance of the Manual.
Mount the stretcher boards, the U bolt and the handle, and the flywheel.