Kardia Hand Pump Guideline
I. The Head Assembly

You can dismantle the head assembly with an Allen key 8 mm.

Flange bearings are different according to the type of Kardia (Kardia 65/Kardia 2000).

Cost: 265 000 Leones for 1 so, 530 000 Leones for the set.

Flange Bearing

Connecting Rod

Water Tank

Riser Pipe

¼ Bolt (24 mm Bolt)

Cost: 145 Leones

Link Head

Link head is different according to the type of Kardia (Kardia 65/Kardia 2000).

Cost: 175 000 Leones
Before removing the water tank and the pipes, you need to unscrew the clip of the water tank.

On Kardia, it is difficult to work with a connecting rod clamp. That is why in the tool box you will find a rod plier.

Use 2 spanners (22 mm & 24 mm) to unscrew the ¼ Bolt.
II. The Low Assembly

You need 2 riser pipe clamps (picture above) to work on Kardia and 2 riser pipe pliers in order to unscrew the pipes.

For 1 pipe, you have 1 connecting rod of the same size. You can find only three sizes: 3m, 1m, 0.5m. Rods are linked together by a long nut.
III. The Cylinder (Kardia 2000)

Make sure that holes of the valve plate are matching with the ones of the valve seating. If this is not checked, the piston cannot work properly.

The screen pipe is a filter, preventing sand and mud entering the cylinder which could cause damage to the seals.

Cost of the cylinder: **1 150 000 Leones**
The difference between Kardia 65 and Kardia 2000:
-the piston is made up of 4 seals for Kardia 2000 and 5 for Kardia 65 (piston sleeve)
-the rubber seating on K2000 & K65 are different
-You need a reducer to tighten the screen pipe on K2000 while it is not necessary on K65