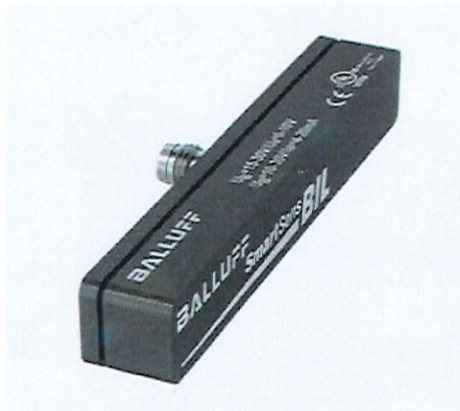


Type	Doc. Name			Language	
Aqua Klippa	Conversion Balluff sensor			English	
Document Code	Revision	Original Date	Page	Issued by	Approved by
2021-04-07	1	2021-04-07	1 / 7	Per Danielsson	Jamie Svahn

Instruction for replacing Balluff sensor Aqua klippa.

This instruction shows how to replace the discontinued Balluff sensor in Aqua measure unit .
 This instruction is versatile to all Aqua Klippas with Balluff BIL0006 sensors.
 Machine serial number RD-PT9, RD-PT10, RD-PT12 and later.

The new sensor is provided by Yaskawa and is programmed to match the BIL sensor.
 Its necessary to replace both sensor and magnet.



Balluff BIL0006



Balluff RDPT-A



Balluff BAM0177



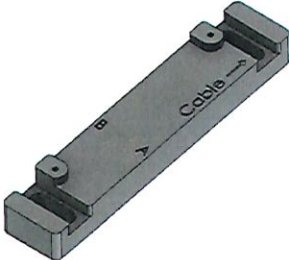
RD-PT142A46

You will need one conversion kit for each sensor. Its possible to only replace one sensor i an Aqua klippa , but its recommended to replace all 8 sensors a one time.
Conversionkit serial number: RDPT-Conv_1

Conversionkit RDPT-Conv_1 includes follwing parts:



RDPT-A



RD-PT729C46



RD-PT142A46



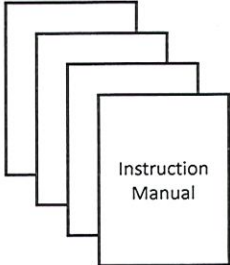
Hex screws:
M2x12 x2
M4x20 x2
M5x20 x2



Nut M5 x2



Washer M5 x2

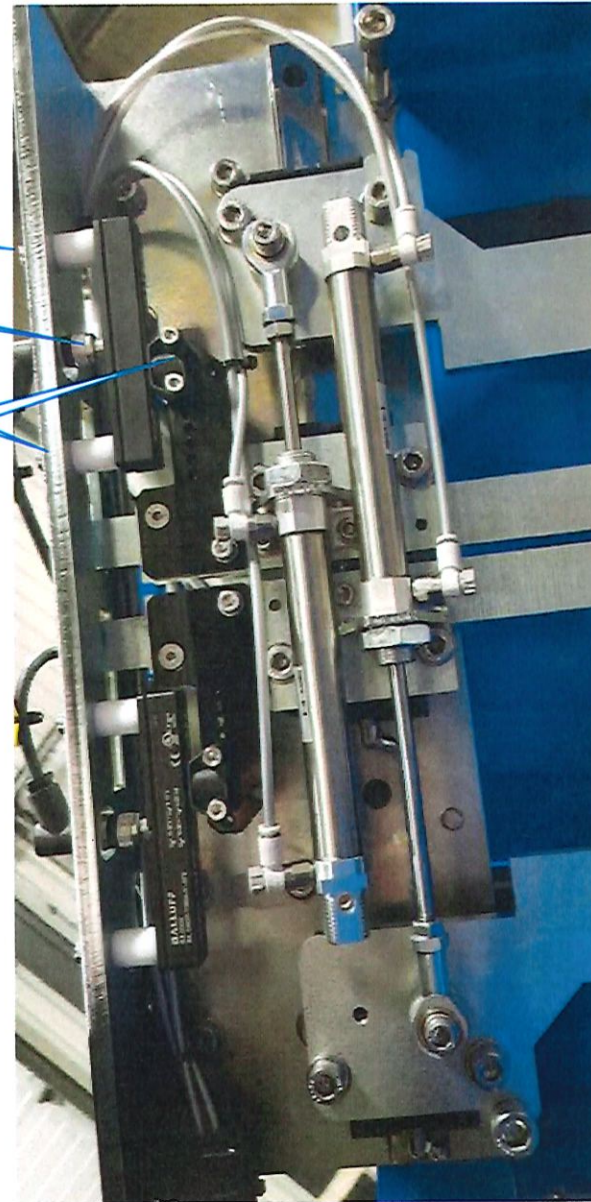


Instructions

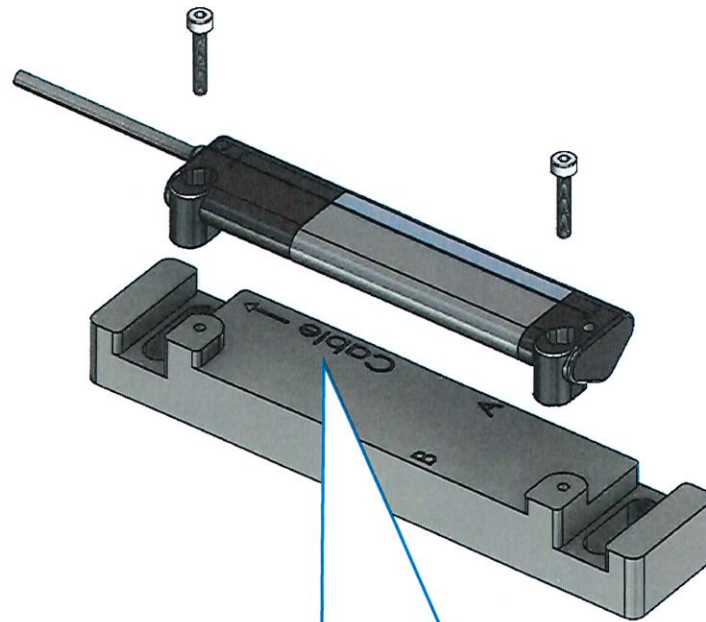
Removing old sensors and magnets.

Remove the old sensor by removing its screws and cable

Remove the magnet.
The sensor has multiple holes, its important to note witch one is used to use same holes for the new magnet.



Assemble new sensors to bracket



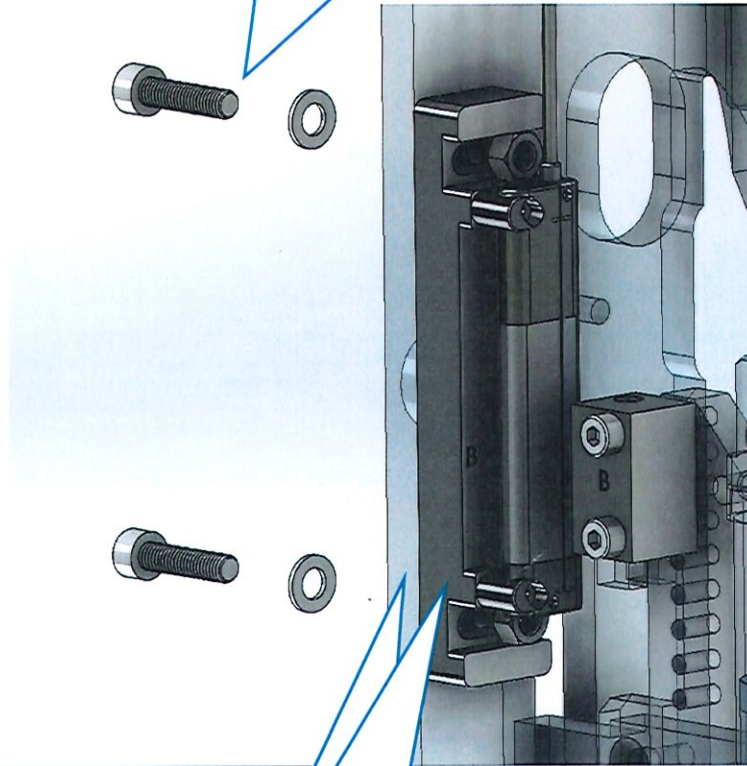
Assemble the new sensor to the bracket. Using the M2x12 hex screws. Note the cable direction



Note: The new sensor should be programmed. The label is verification of software version.

Assemble new sensors and magnets.

Assemble the sensor to the steel bracket using M5 hex screw and nuts.



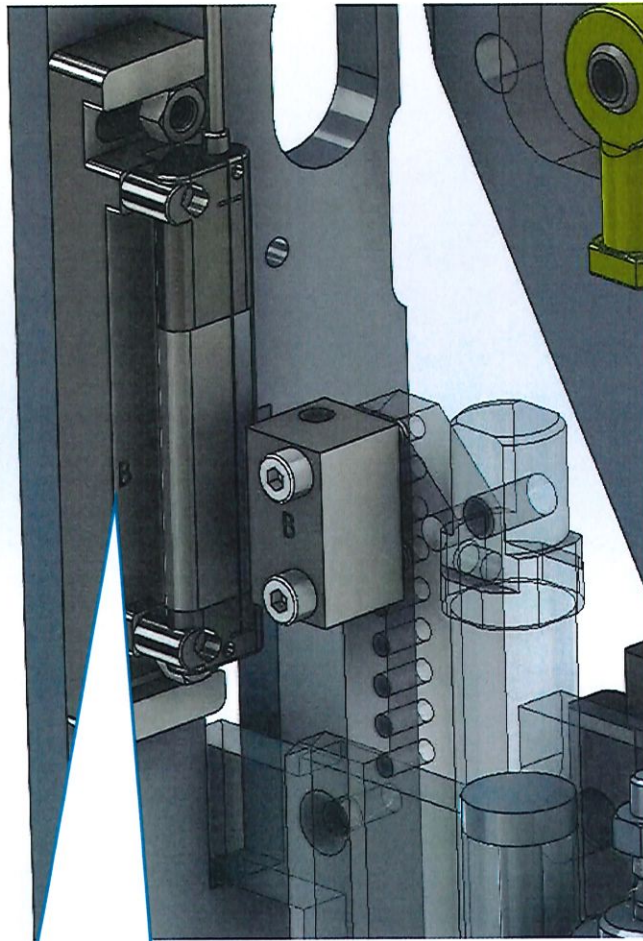
The face of the bracket and sensormount should align

Note cable direction!

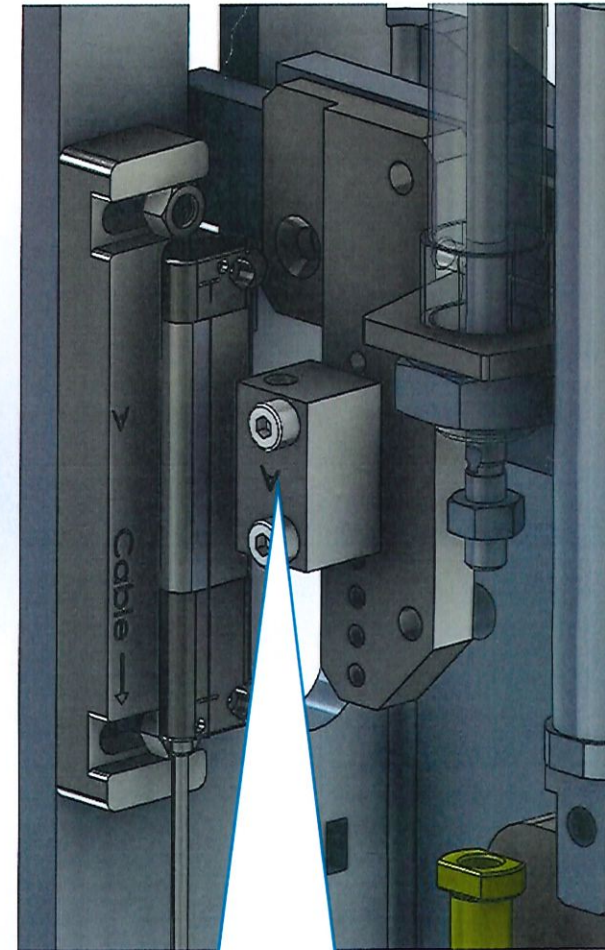


Note cable direction!

Assemble the magnet using M4x20 hex screws.
Important to use same holes as old magnet.



Its important that the magnet identification label
equals the sensormount B-B



Its important that the magnet identification label
equals the sensormount A-A

Organise the cable using cable ties. Make sure the cylinder movements is possible without the cable gets worn. Make sure the covers can be closed without jamming any cable.

