High friction in the telescope

Worn sliding plates in the telescope will come at some point. This is a easy troubleshooting guide on how to find out if your telescope needs a service.

Description

A symptom could be that the telescope gets stuck without physically hitting anything followed by the alarm Telescope stuck in outward direction or Telescope stuck in inward direction. Symptoms like these mostly appears when the telescope is in a position far out, where the friction and weight is as highest.

Troubleshooting

- Is the alarm Telescope stuck in outward direction or Telescope stuck in inward direction appearing frequently during the automated wash?
- Does the alarm appear in a position far out (position approx. 390 and above. 424-425 is maximum)?
- Go to the Manual screen and tap the  -button *(information / detailed view).*
  - Look at the picture of the robot and locate where you find the Ampere meter (under the tower on the picture).
  - Place the boom in a horizontal position.
  - Keep an eye of the Ampere as you run the telescope from fully retracted (position 0) to fully extended (position 424-425) and back again (water off).
  - After service, the telescope is adjusted to be maximum 5.5 A. When the telescope reaches levels around 9.0-10.0 A, when close to maximum extended, it should be a sign of worn sliding plates/bearings.
- Remove the sliding plates. Look at them and see if there is any metal coating. If so, scrape the plates with a knife and mount them back. This can help lowerig the friction.

If the telescope still have these symptoms after you scraped them, the sliding plates could have wear and needs to be replaced or the telescope needs a maintainence made by an authorised service technician.
Contact **Envirologic** or your distributor for further help.

Click the link to find the instruction on how to replace the sliding plates.