Title:	**Plate Detection**			ID:
				0387
Date in:	**Response:**	**Model:**	**Author:**	
2019-07-30	*2019-07-30*	*STX44*	*CMa*	

Q:

I found the sensor and swing. Indeed, I notice that when the swing is pushed away by a plate, the sensor shines an orange lamp and the shovel status switches to '1'. When the plate is removed in our functioning liconic, the swing automatically goes back to its 'free' position. However, for our non-functioning liconic the swing simply stays in the same position. Any clue how we could fix this? Should the swing come back to the free position due to its own weight or is there a spring pushing it back?

A:

Correct. Later versions have a spring in addition to the counter-weight. Make sure the swing moves freely and does not touch anything that causes friction. Sometimes a drop of very liquid oil helps.

Q:

Thanks for the quick reply! Regarding the RD13/RD 1812 command, does a response of '1' means that it thinks a plate is present on the shovel? Also, where can I physically find the sensor? I wonder whether something is blocking the sensor, given that it thinks it's loaded even though it's not.

A:

RD 13 - '1' Shovel back / black square proximity sensor under the shovel
RD 1812 - '1' Plate loaded / swing with miniature spring that activated a cylindrical proximity sensor next to the shovel motor

Q:

We are happy users of your STX44-HRSA (Serial number is 1955), which we use via a third party automization software called Cellario (provided by a company called hires bio). Strangely, when we use the Liconic software StoreX, we can load/unload plates without a problem. However, when we use the Celllario software, we get an error that there is a shovel even though this is not the case. We contacted the Cellario company and they told us that this error is prompted by the liconic driver. Annoyingly, we do not manage to get rid of this error by for example closing down the liconic/performing a reset. Therefore, I've got a few questions:

A:

1 Plate Detection is Flag 1812. You may read the satus by "RD 1812"

2 You may by "RD 13". Back if is returns '1'. Note this is not an official command.

3 It actually is. What makes you think that if doesn't? Note that it is a common operator error to not push plates in the cassette all the way in! Please note that you will have to activate PlateTrace ST 1611. This is de-activated by default and needs to activated after every cold-start.