

Title:	Shovel-Back Position			ID:
				0392
Date in:	Response:	Model:	Author:	
2019-07-30	2019-07-30	STX44	CMA	

Q:

1. Plate Detection is Flag 1812. You may read the status by "RD 1812"
2. You may by "RD 13". Back if it returns '1'. Note this is not an official command.
3. It actually is. What makes you think that it doesn't? Note that it is a common operator error to not push plates in the cassette all the way in!

We are happy users of your STX44-HRSA (Serial number is 1955), which we use via a third party automation 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 Cellario 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:

1. Is there a sensor to check whether there is a plate on the shovel? If so, where is it located? I would like to check whether the sensor is somehow blocked and therefore wrongly reports the shovel status. If there is no sensor, how could we reset the shovel status?
2. Is there a way to read out the shovel status directly via the Liconic software StoreX?
3. How is it possible that StoreX is not bothered by the shovel status?

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

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.