

**Apex Cleaning Instructions**

For best acceptance rate and validator performance, the acceptor needs to be cleaned on a regular basis depending on how much use it gets and what type of location it is at.

**Of Special Note:**

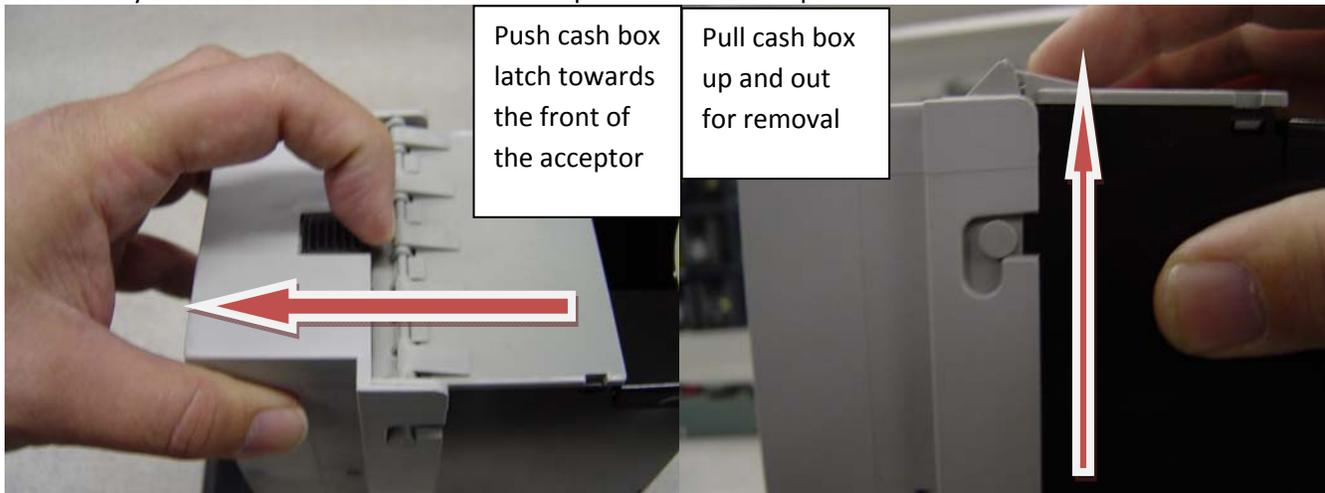
We currently cannot recommend a cleaning card for the bill acceptor at this time. The card can leave debris behind that can cause further issues.

**NEVER USE OILS OR SILICON SPRAY ON THE ACCEPTOR**

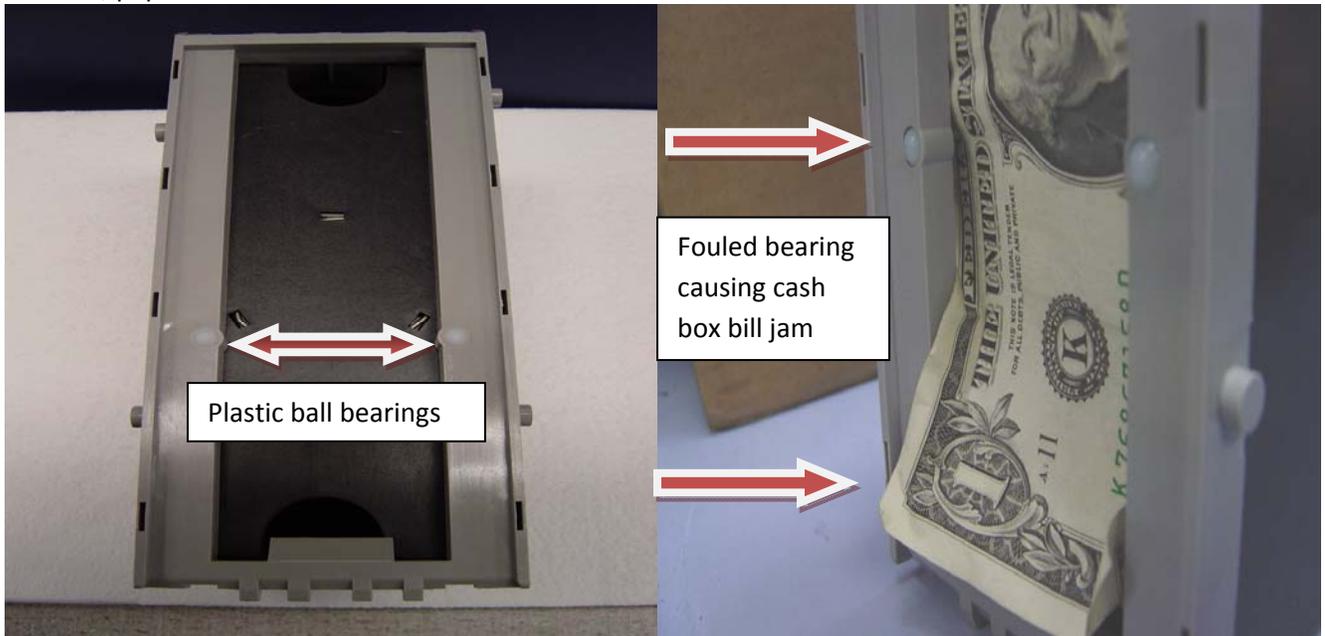
We recommend disconnecting all power and I/O connectors from the validator before cleaning the unit.

**Cash box cleaning:**

If your bill acceptor has a cash box we suggest you remove it. This will give better accessibility to the validator and allow for an inspection of the acceptor.



If you have a cash box, first locate the two white plastic ball bearings. They are located on the plastic frame that is inserted into the bill validator. There is one bearing on each side of the plastic frame. The plastic ball bearings can get fouled with lint, paper dust and dirt.



This can cause the bearings to not make full contact with the bill or completely stop it from moving. This condition will create bill jams, possibly leaving the bottom of bill slightly outside of the cash box. Dampen a lint free cloth with water (only enough water to pick up dust) and run the cloth up and down over the bearings until all debris is cleared.

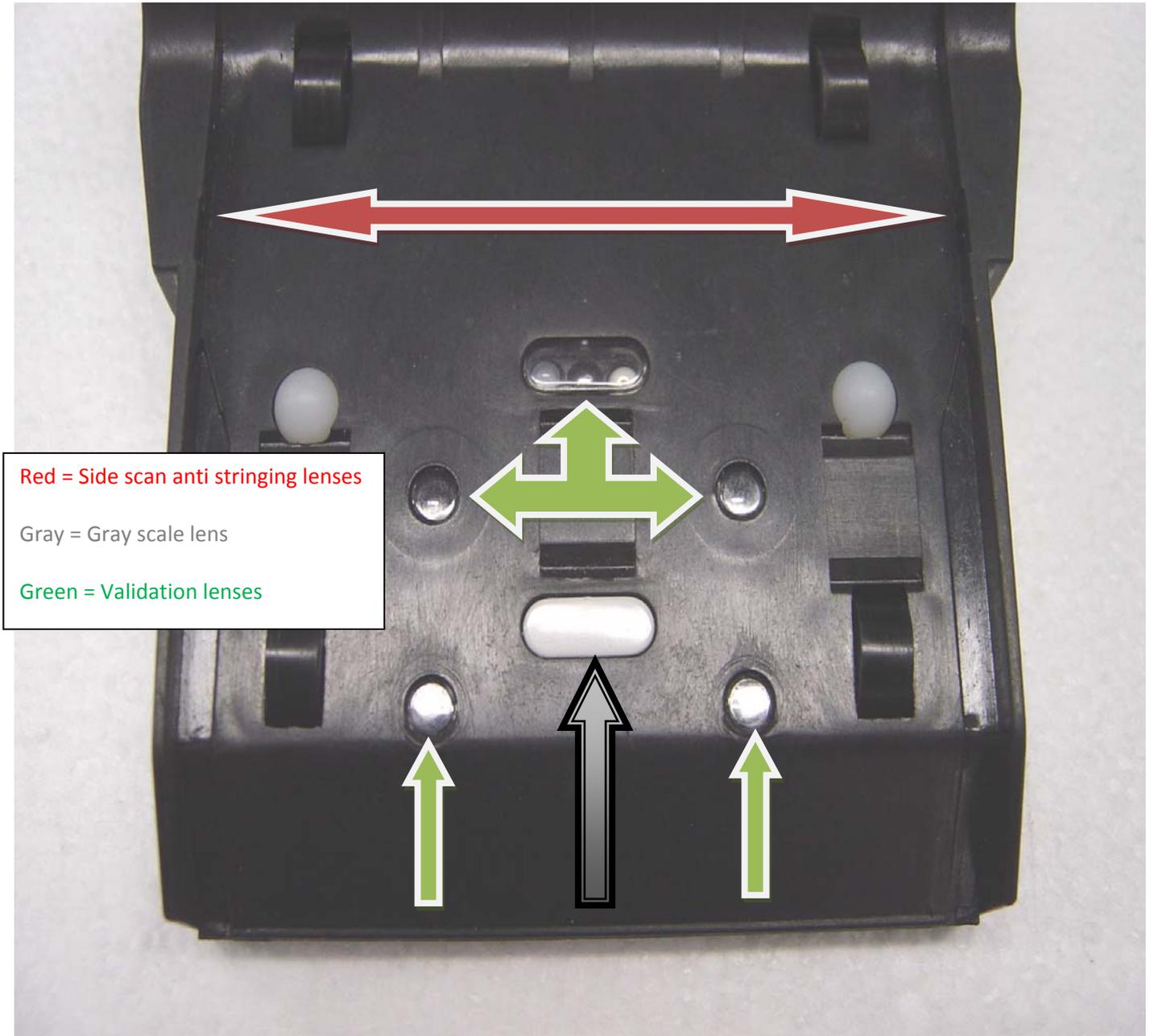
**Bill path plate cleaning:**

We recommend disconnecting all power and I/O connectors from the validator. If any side connectors are still installed, it will be impossible to pull the plate out without doing damage to the validator.

No tools are required to pull the bill path plate out. There is a recessed latch that must be pushed in to release the plate. While pushing the latch in with your thumb, pull the plate straight back out of the main frame of the bill acceptor.

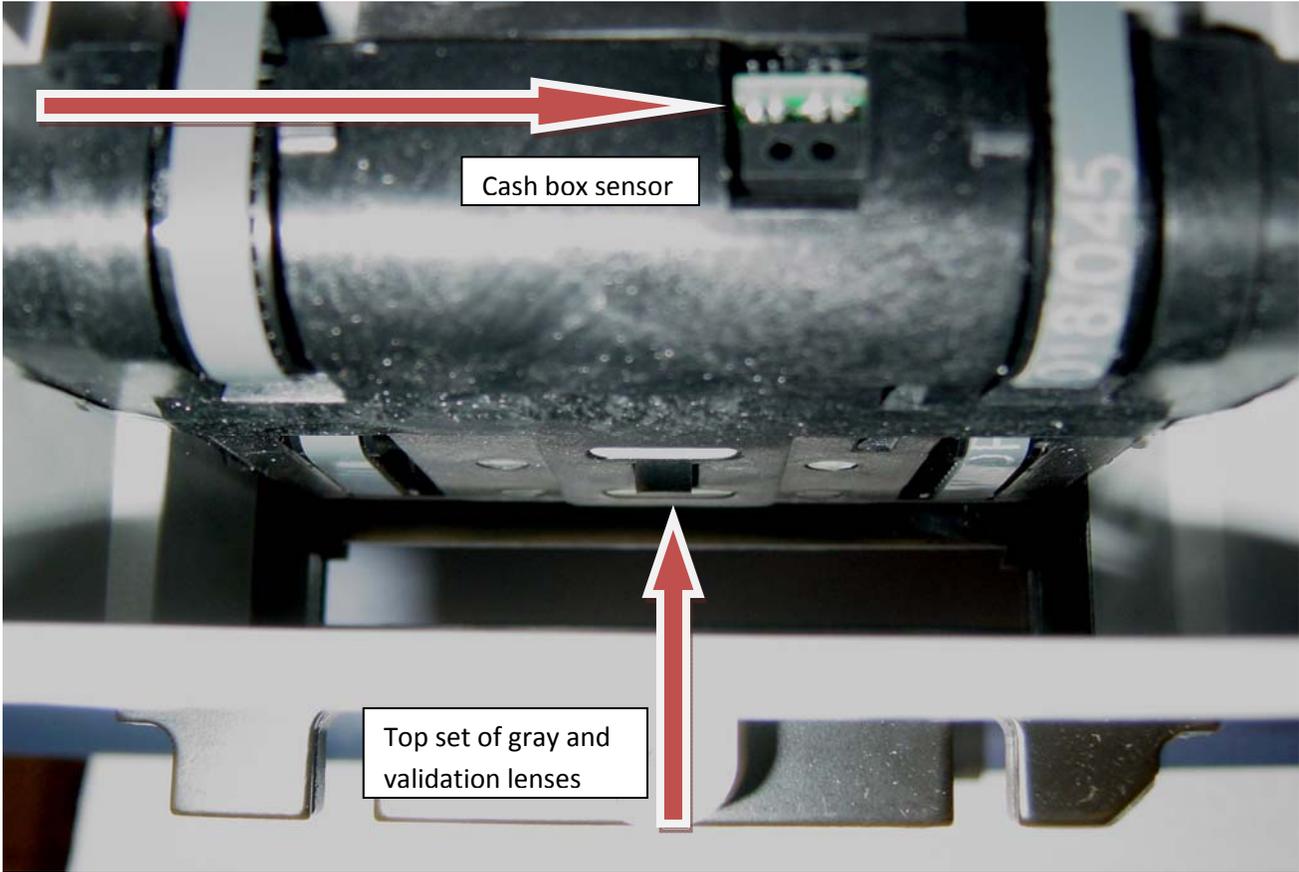


Once the plate is out you will have full access to all the validation and side scan anti stringing lenses.



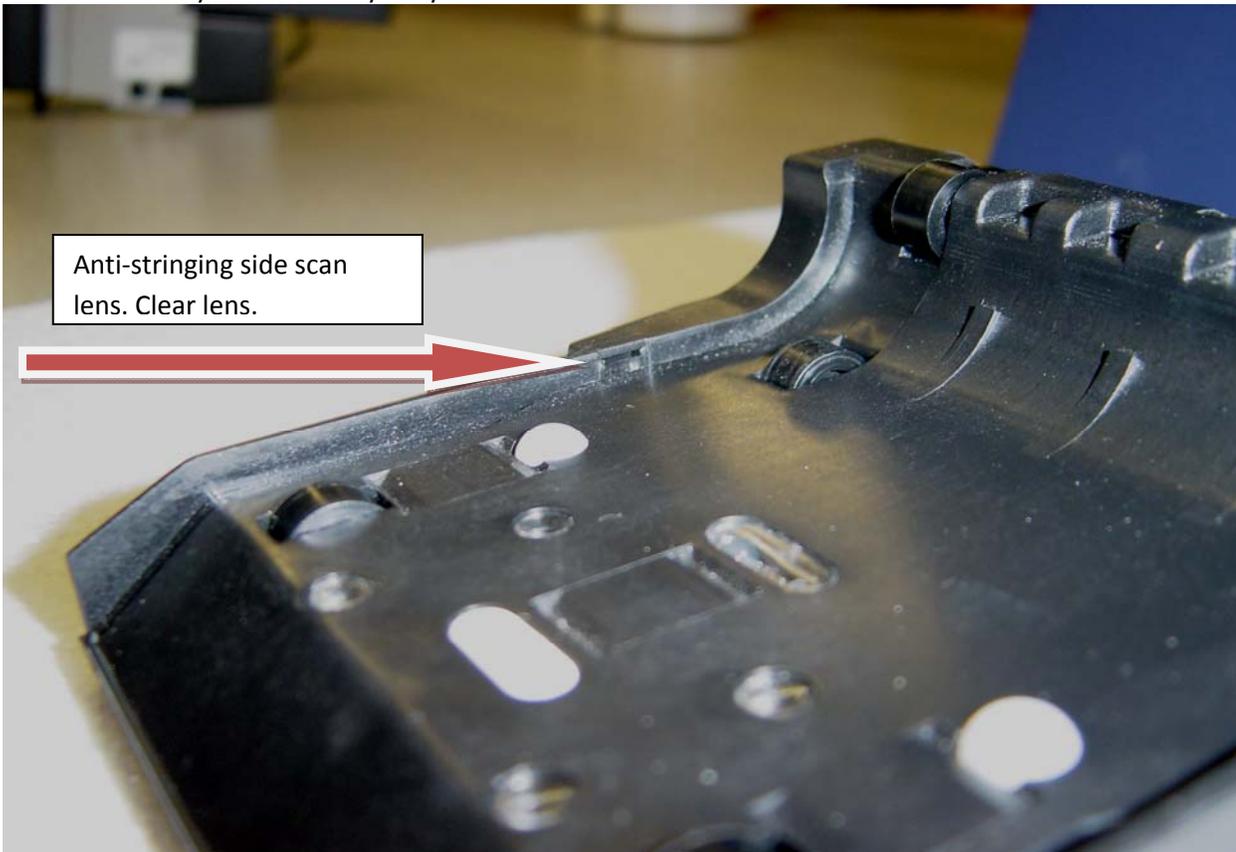
Inspect the plate for dust, dirt, smoke and debris. There are four round lenses and two oval lenses in the plate that must be cleaned. Dampen a lint free cloth with water, only enough water to pick up dust and run the cloth over all lenses and rollers until clean.

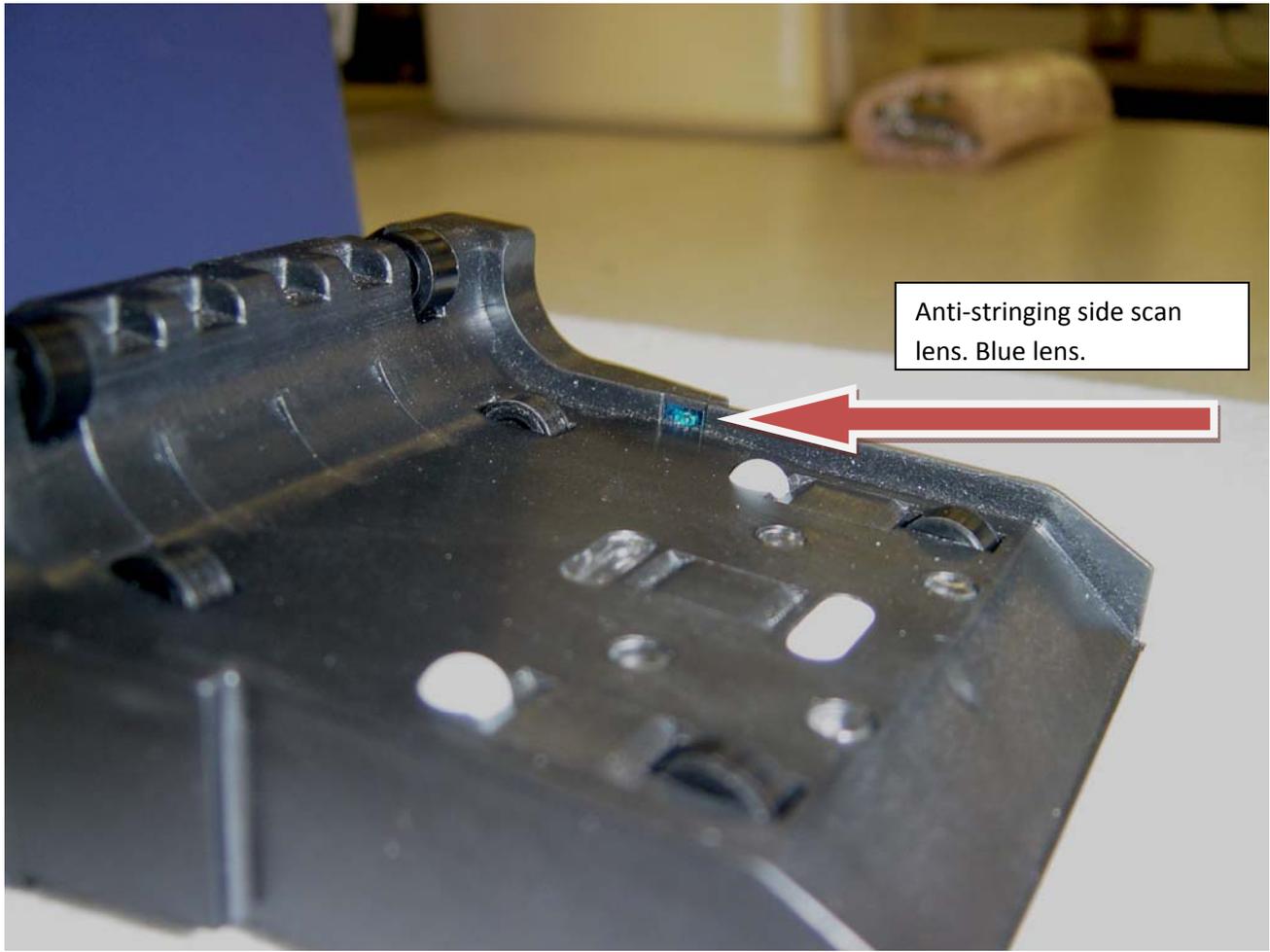
Directly above the plate inside the validator, there is another set of round and oval lenses that beam back and forth to each other in the bill path plate. Dampen a lint free cloth with water, only enough water to pick up dust and run the cloth over all lenses and rollers until clean.



**Of Special Note: Side scan, gray lenses and cash box sensor**

Use the pictures (more pictures below) to locate the side scan anti stringing, gray lenses and cash box sensor. Be sure to keep these lenses clean and debris free. If smoke or dirt builds up in these areas, bill acceptance and performance will lower and bill rejects will become more frequent. In certain cases water may not be enough to clean the surfaces. We recommend a 50% alcohol and water solution. This solution can also be used to clean the drive belts if they are extremely dirty. **NEVER USE OILS OR SILICON SPRAY ON THE ACCEPTOR**





Anti-stringing side scan lens. Blue lens.