

Maintenance & Cleaning Banknotes reader NV9



04/2026 V1.0

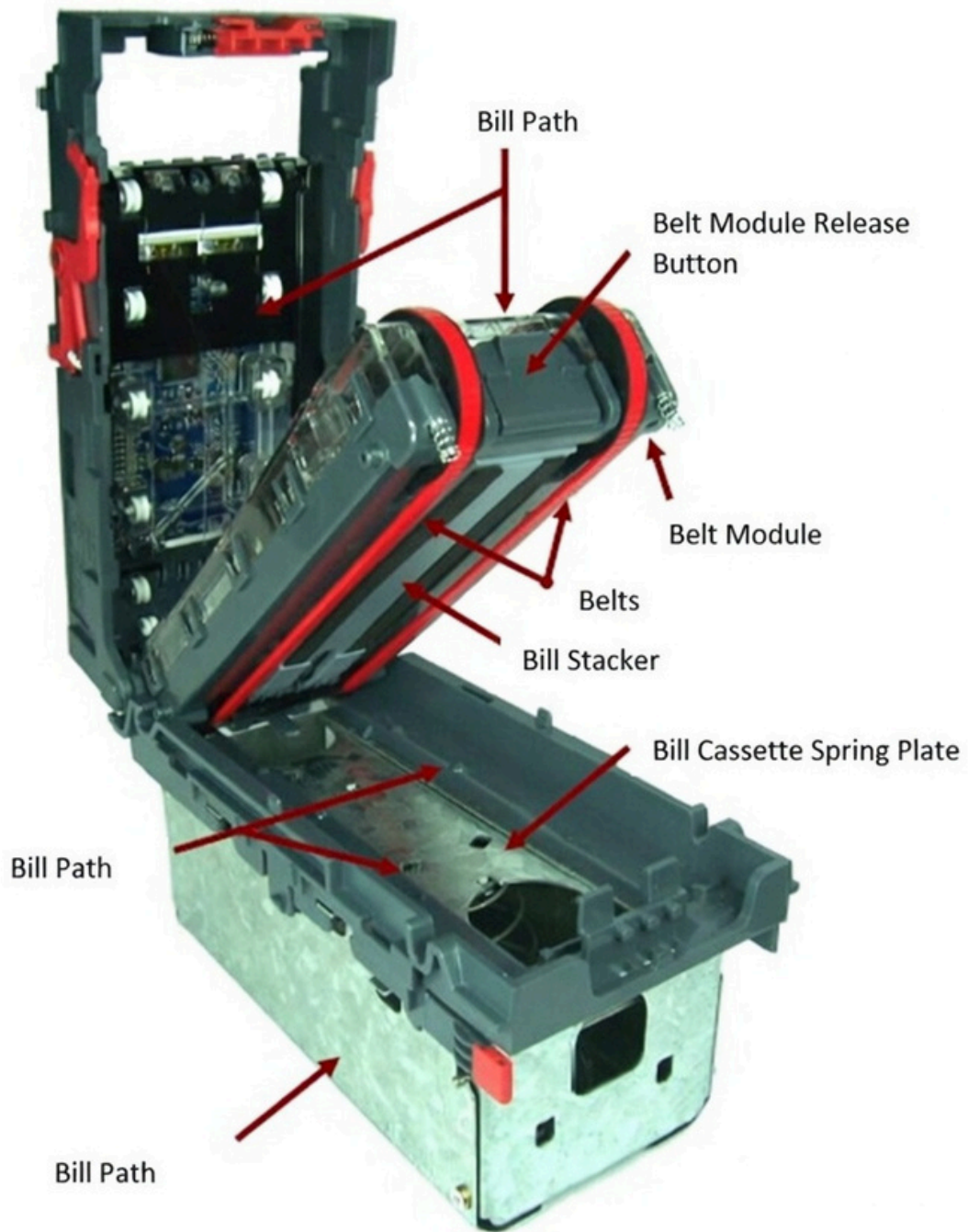
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1. Description



2. Maintenance

2.1. Introduction

The NV9 product range was design to minimize any variation in performance over time. All of this is made possible thanks to a meticulous software and material conception. However, depending on the environment, the validator or its units may require cleaning, a belt replacment or cleaning of the bills.

2.2. Cleaning period

Innovative Technology Ltd recommands cleaning the opticals lenses every months or if needed. Dirt, dust or others residues lead to incorrect acceptance of banknotes and decline in performances.

Belt replacement

Innovative Technology Ltd recomands changing the NV9USB+'s drive belts evry 6 to 12 months or as needed, depending on environmental factors.

If there is a lot of dust or if the belts are overused and are wearing out, in this case, this period may not be applicable and you need to replace them sooner.

Flash codes

If the validator is in error, the bezel will flash a combination of long and short flashes. The combination and their significations are explained below :

Number of long flashes	Number of short flashed			
	1	2	3	4
1	Banknote reader open	Banknote reader jammed	Banknote reader not initialized	Sensors obstructed
2	Bill cassette need to be removed	Bill cassette jammed		
3	Software problem			
4	Supply voltage too low	Supply voltage too high		

3. Cleaning

1. Switch off the device

Unplug the interface cable or turn off the power to the device / machine.

2. Open the banknote reader. Pull the bills cassette out.

Slide the red latch in the direction of the arrow. (1)

Open the reader in two. (2)

3. Clean the bills path and the sensors.

Using a dry and soft cloth and/or compressed air make sure there are not dirt or dust left.

Be careful of the location of the sensors and the drive belts.



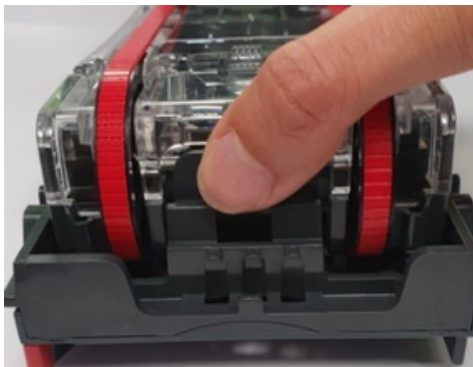
4. Pull the old belt out.

Push the button (3) to free the belt's units then pull them out.

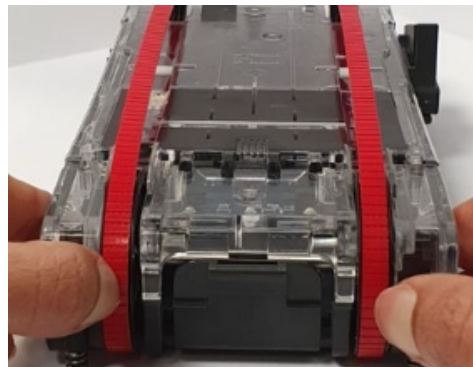
Push the two drive wheels inward (4) to loosen the belts. This will allow you to remove the belts from the drive wheels.

Advice : Push the drive wheels down onto your desk, this might help you

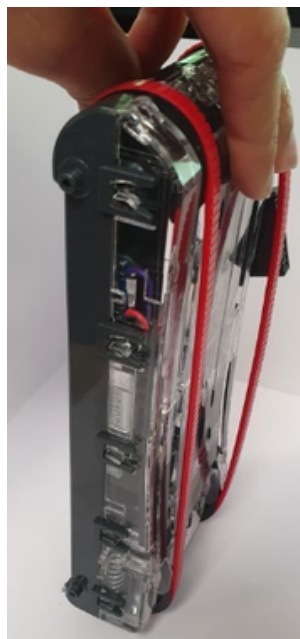
1.



2.



Advice



5. Put back the new belts in the drive wheels, push them inward to let you enough slack to position the belts in place.

Advice : Push the drive wheels down onto your desk, this might help you