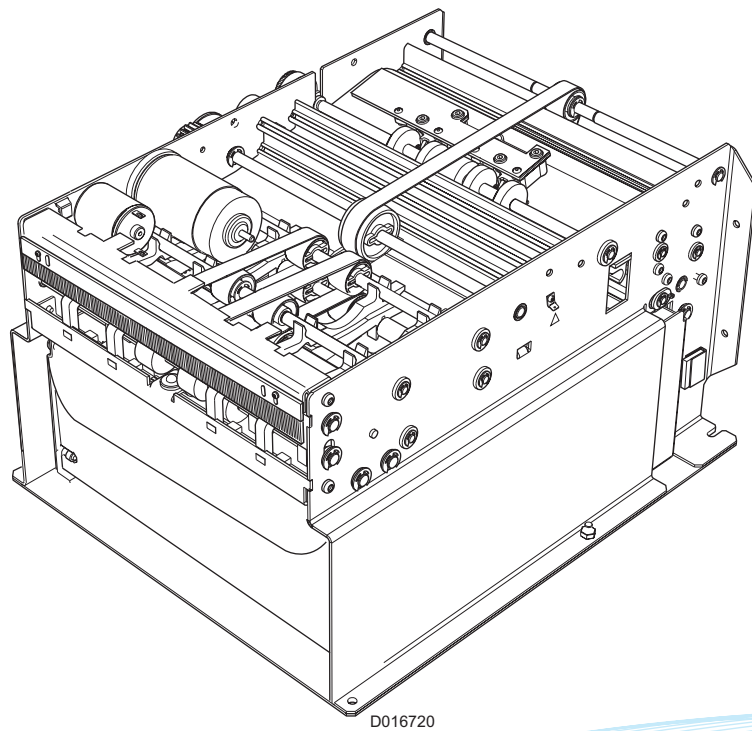


MiniMech

Users Manual



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Preface

MiniMech is a product made by Talaris Cash Dispensing AB. This user handling covers description, instructions and information necessary for handling the MiniMech in the correct way.

Talaris Cash Dispensing AB Flen,
Sweden

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Safety warning

Obligations of the user

- Everyone working with the machine must read this manual.
- Observe the safety instructions and warning labels.
- Talaris or its representative should replace damaged safety devices such as fuses and warning labels immediately.

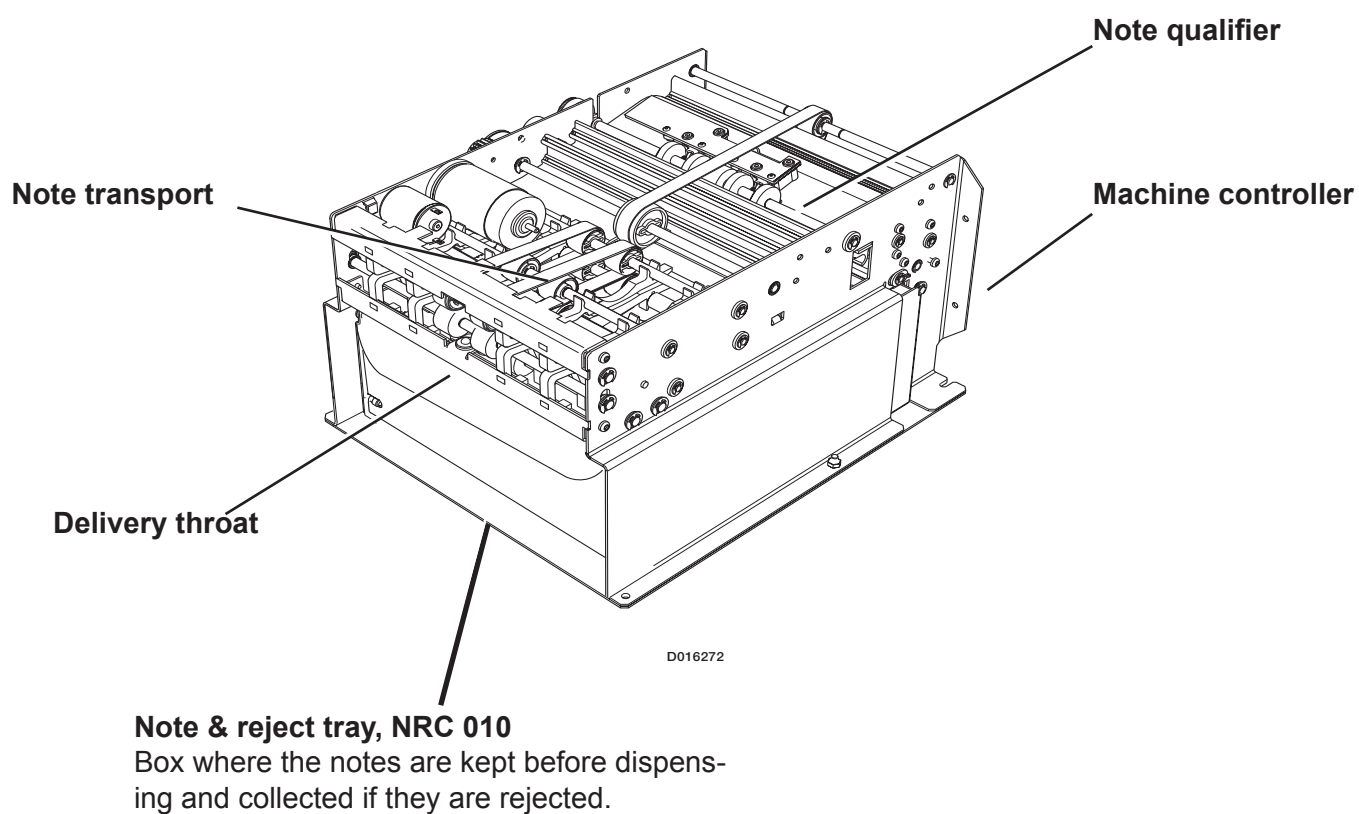
	ATTENTION The indication ATTENTION warns of the danger of minor physical injury or damage to equipment.
	ATTENTION Electrostatic sensitive device. Observe ESD precautions before handling.
	ATTENTION The indication WARNING warns you of the danger of serious physical injury
	DANGER TO HANDS: The indication warns of possible injuries to the hands. Remember, to take extra care when cover plates have been removed. Beware of fast moving mechanical parts especially when cover plates are removed Always replace cover plates after completing work. To avoid injury, use the following precautions: Always hold the modules on the handling points, marked in green. Close carefully the safe door and covers.
	ELECTRIC SHOCKS The indication warns of possible injuries through electrical voltages. Improper work on the electrical components can lead to life threatening injuries from electric shocks! Unprofessional handling or incorrect connections can result in the machine no longer being safe for operation. <u>Electrical work shall only be performed by qualified personnel (electricians)!</u> Remember, to take extra care when cover plates have been removed, units disconnected, or circuit boards unplugged. The power supply contains unswitched line voltage. Never leave a part-serviced machine connected when unattended. When connecting the equipment to a 240V AC supply in the United States and Canada, it is necessary to connect via a double pole 20A circuit protector.
	WARNING: <ul style="list-style-type: none"> • Due to the nature of his work, an operator or service technician may have to bypass normal safety interlocks and features to carry out some of the instructions in this manual. • Always restore safety interlocks after completing work. • At any risk or danger, disconnect the mains cable at the rear of the machine from the mains outlet. • CAUTION; Please note that if the machine contain Lithium Batteries there is danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturers instructions.

Overview

Notes dispenser (MiniMech)

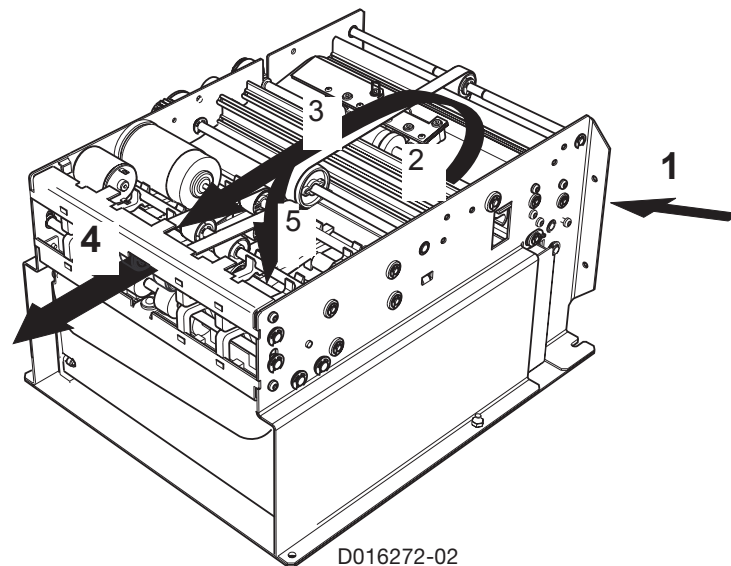
MiniMech is a small single note dispenser machine.

The MiniMech consists of the following main parts:



Introduction

Function



1 Message to the MiniMech

A request to dispense is made. It is then transmitted as a message to the machine controller in the Mini-Mech. This message describes the number of notes to be dispensed.

2 Notes up from the tray

The MiniMech counts the required number of notes and feeds them to the note qualifier.

3 Note qualifier

The note qualifier measures the notes and feeds them into the note transport. Incorrect notes will be rejected into the reject compartment in the NRC 010.

4 Notes to reject

When the tests indicate no error the notes are delivered to the Delivery Throat.

5 Notes counts and tests

The notes are counted a second time and checked for incorrect note feedings when being passed through the note outlet.

If this test indicates an error, the MiniMech is stopped immediately for clearing of the note transport mechanism.

If any test indicates an error, the faulty note will be transported to the reject and an extra note is fed from the cassette part of the NRC 010.

Loading and unloading notes

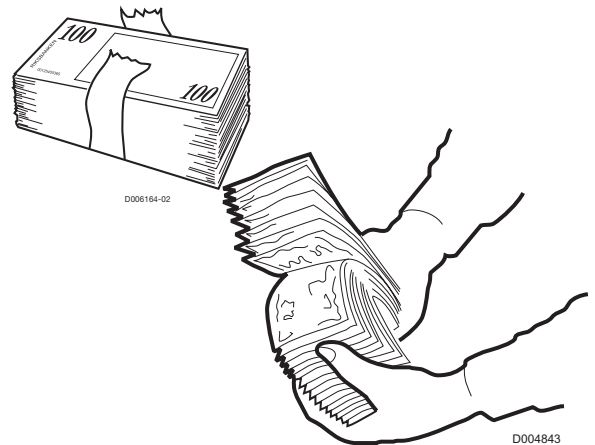
Loading Notes and unloading notes

Preparing notes

The number of rejects depends directly on the loading procedure and the quality of the notes. Store the notes at room temperature for at least eight hours before feeding from trays. The following procedures are recommended to aid easier note feeding from trays. Without preparation, feeding problems may occur, such as a higher reject rate or jams in the transport path.

New, unused notes

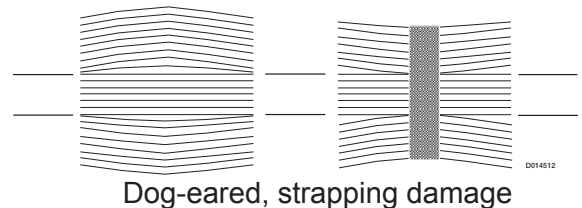
- Remove the band around each bundle of notes.
- Separate the notes from each other by:
- Strike the bundle hard against the edge of a table or similar object.
- Flip through each bundle of notes in both directions at both ends.
- or
- Using a note counter, select notes from the centre of the bundle. The notes in the centre are normally flat, notes in the ends of the bundle are often cupped.



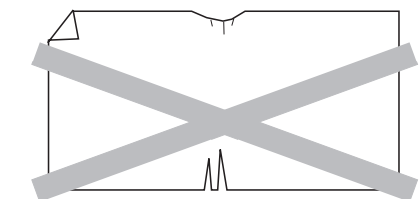
Unacceptable notes

Notes with the following irregularities are liable to cause feeding problems:

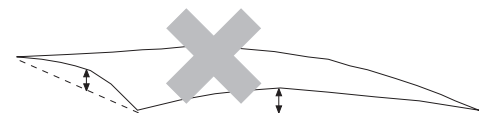
- Joined by any means
- Having staples or pins
- Sticky surfaces
- Repaired with tape
- Torn, with tears exceeding 5 mm or with centre edged tears
- Having holes or missing sections
- Crumpled or crisp and crinkled
- Dog-eared, with a folded edge exceeding 5 mm
- Limp or moist
- Concave or deformed by prolonged storage
- Having strapping damage
- Combination of new and used notes in the same cassette may cause higher reject rates



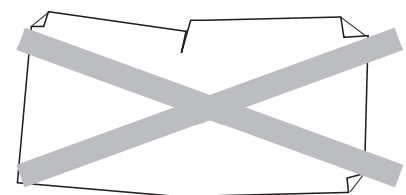
Dog-eared, strapping damage



Center edge tears



Concave notes 5 mm or more



Crumpled notes

D014511

Used notes

Used Notes must not be limp and should be reasonably clean.

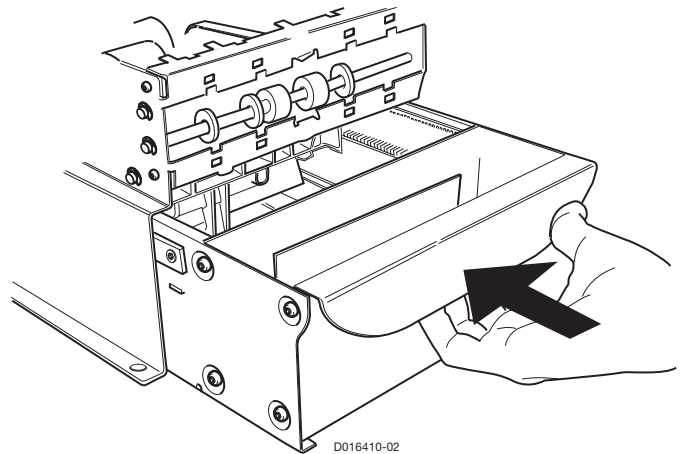
- Remove the band around each
- Remove foreign objects, e.g. pins,
- Remove torn or very worn notes.
- Straighten any folded notes.

Removal of NRC 010 and collecting rejected notes

The NRC 010 is not locked and can be removed at any time when the machine is not in use.

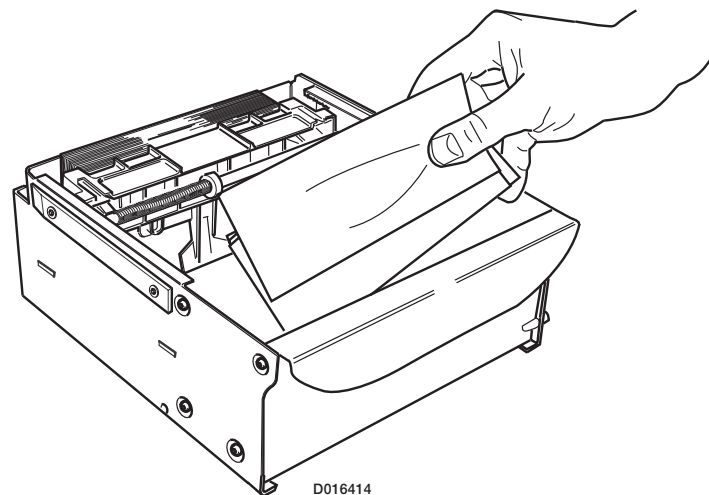
Before removing of the NRC 010, use the appropriate command from the host, driver or application. If the tray should be removed while the MiniMech is in use the MiniMech will malfunction.

1. Remove the NRC 010



2. Use the handle and slide the tray out.

Collect rejected notes from the reject compartment part of the NRC 010 as shown.

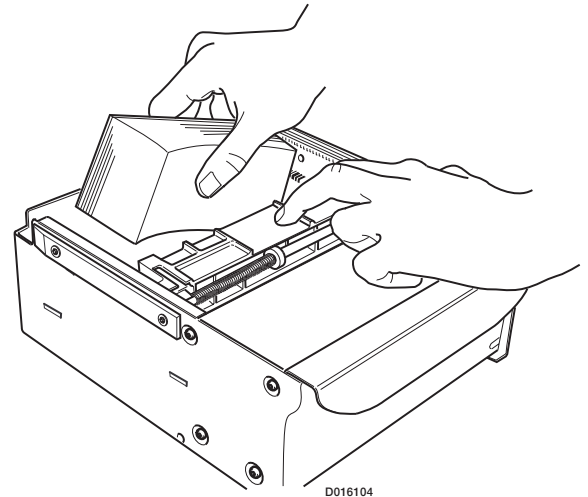


Loading and unloading the notes

Load only notes of the correct denomination into the NRC 010.

1. Move the pusher plate

The pusher plate has to be moved to give space for the notes between the pusher plate and the feed opening. Pull the pusher plate towards the NRC 010 handle.



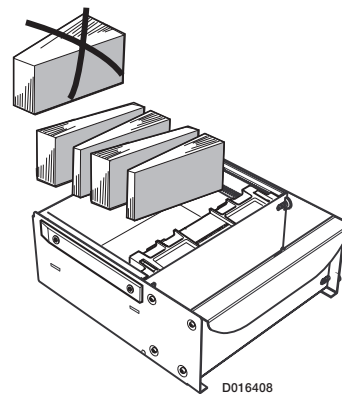
2. Prepare and load the notes

WARNING

Notes are sometimes thicker in certain parts. They can also be cupped in the bundle. If the notes are turned the same way, the pile will be unequal and the notes will be difficult to dispense.

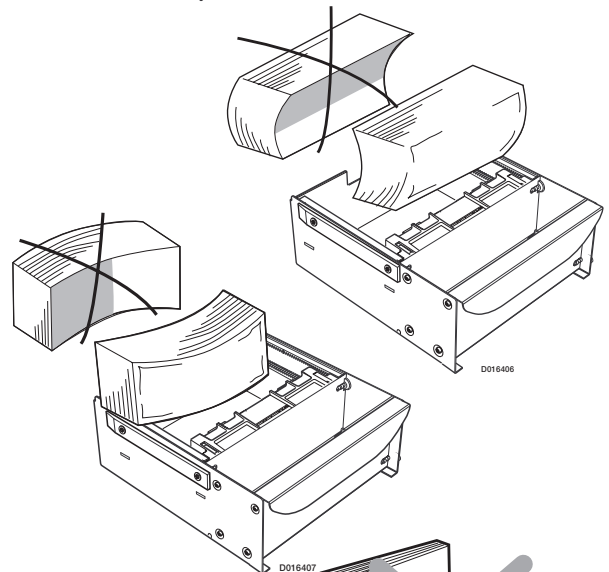
Slanting pile

- To avoid dispensing problems caused by a slanting pile, put the notes in neat bundles of 100-200 notes.
- Turn every other bundle to face the other way to make the pile the same height at both sides.



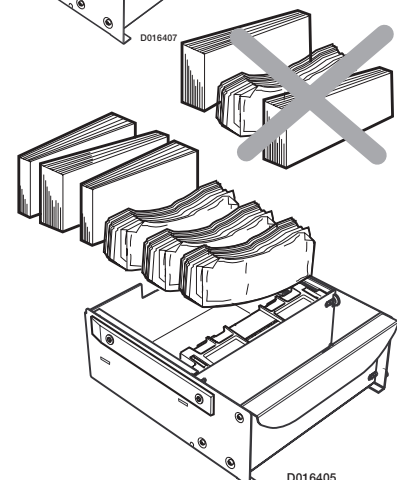
Concave bundle

- To avoid dispensing problems caused by cupped bundles, turn all the bundles with the cupped side towards the dispense opening. It will make dispensing of notes from the NRC 010 easier.



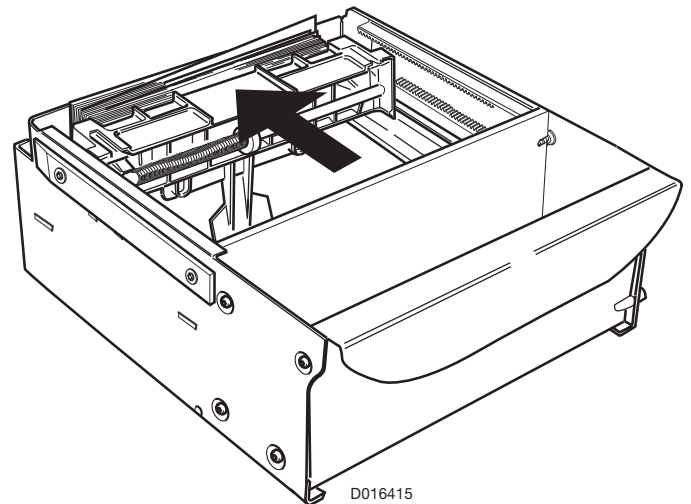
Mixed slanting and concave bundles

- To avoid dispensing problems caused by a slanting and cupped bundles, put the notes in neat bundles of 100-200 notes.
- Place the prepared bundles with the cupped side nearest and towards the dispense opening.
- Turn every other bundle to face the other way to make the pile the same height at both sides, as shown. It will make dispensing of notes from the NRC 010 easier.
- Always place the bundles containing old notes into the cassette first and bundles containing new notes last.



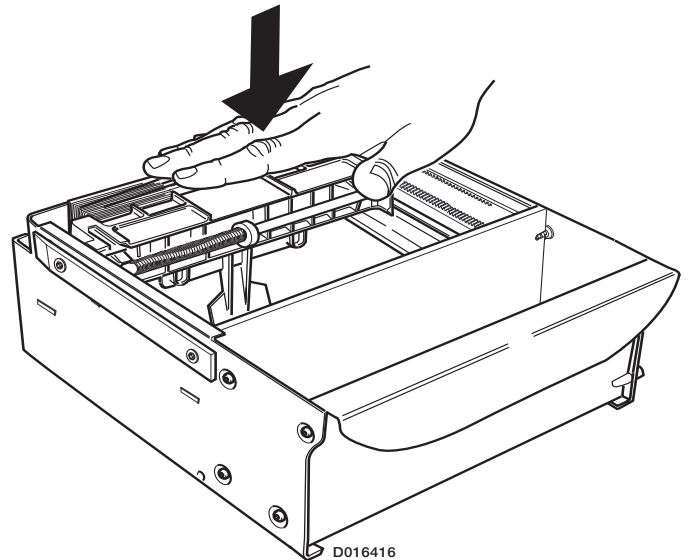
3. Release the pusher plate

Release the pusher plate towards the note pile.



4. Level the note pile

Compress the note pile slightly by hand. Single notes must not protrude from the bundle.



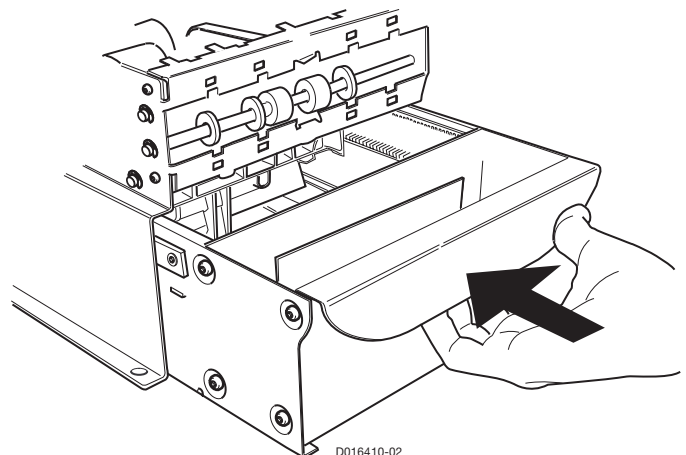
NOTE

When loading the NRC 010 full, make sure that the pusher plate has a leeway of approx. 5 mm between the wall plate and the pusher plate

5. Insert the NRC 010

Using the handle, slide the NRC 010 into the machine. Make sure the NRC 010 is fully inserted.

The MiniMech is now ready to execute commands from host or application.



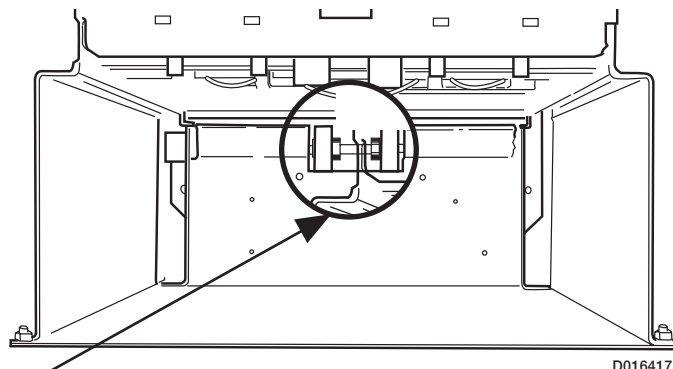
Trouble shooting

1. Remove NRC 010

See page 8

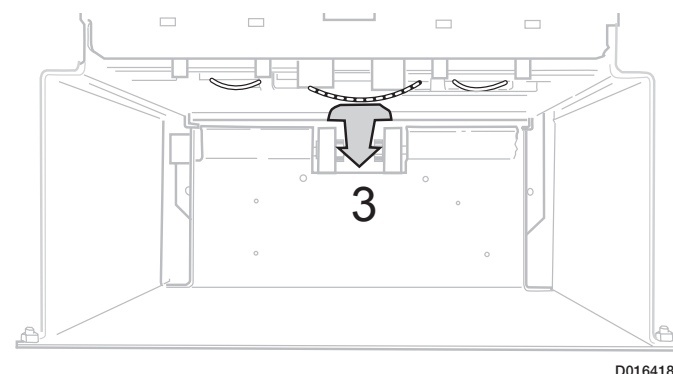
IMPORTANT

Always switch the power OFF before clearing jams. All notes removed from the mechanism must be handled according to local procedures.



2. Remove notes in the note inlet area

Inspect the note inlet area and remove any jammed notes.

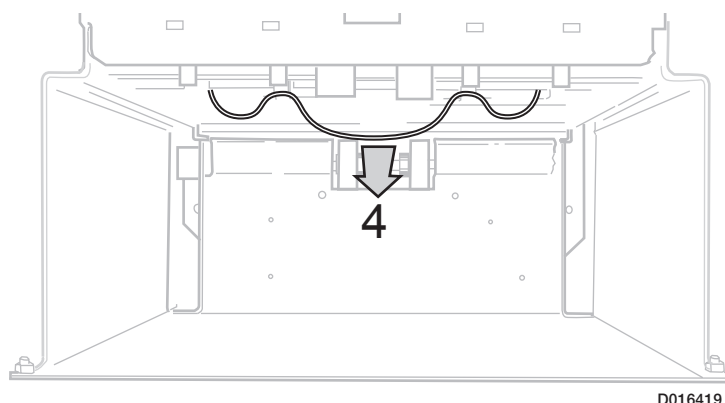


3. Release the note qualifier lid

Release the yellow handle inside the upper most NRC 010 compartment by pulling it down.

4. Open the note qualifier lid

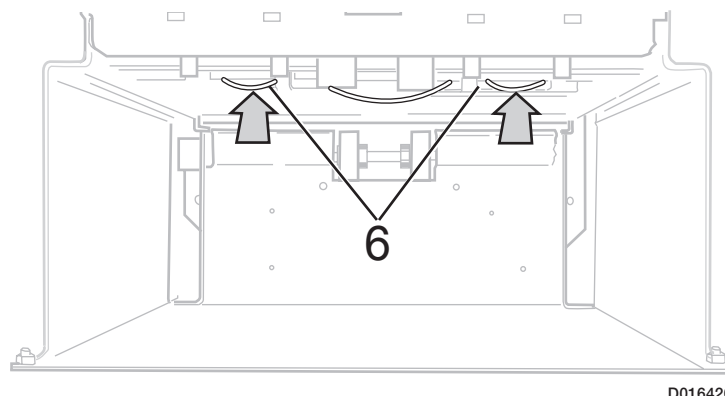
Fold the lid down by pulling the yellow handle.



5. Remove all jammed notes

6. Close the note qualifier lid

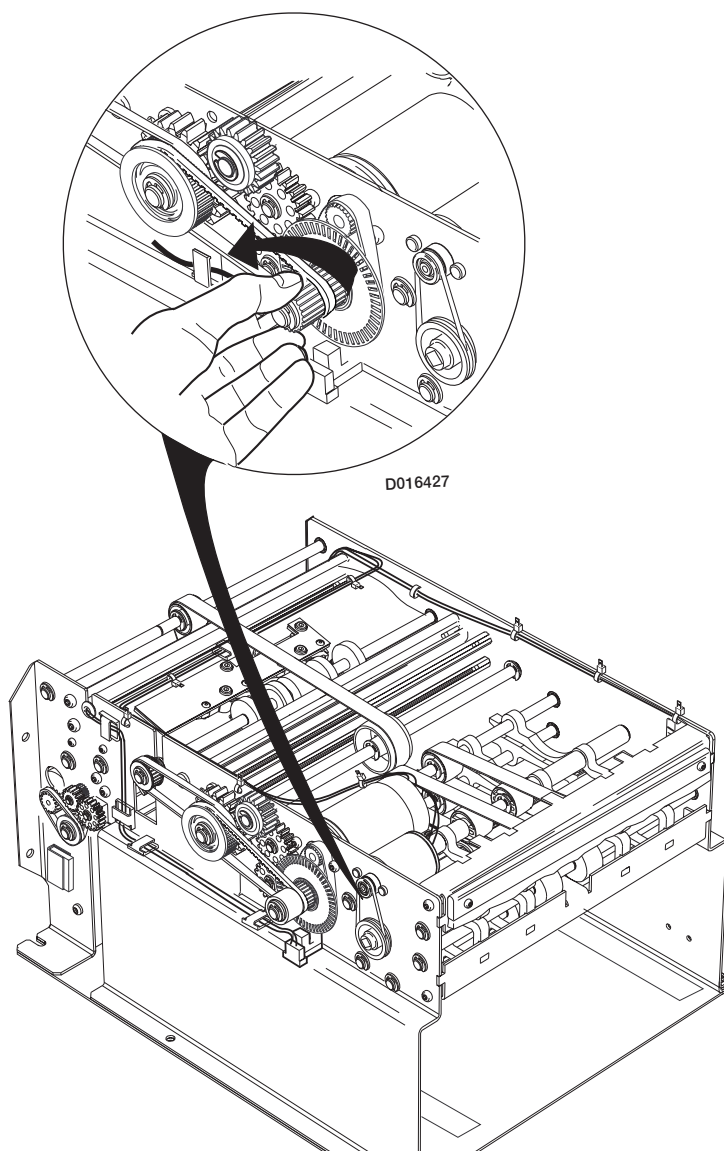
Make sure that you close the lid properly and fasten the yellow handle at both ends.



Clearing note jam

7. Remove all visible jammed notes in the note transport by turning the cog-wheel counter clockwise as shown.

***If the trouble still remains,
call for service.***





The Talaris Commitment

Talaris are World Experts in cash management. Across the globe 2,300 personnel, with over 130 business partners deliver technology and solutions that provide security, productivity and innovation to our customers.

The company is committed to the highest ethical standards and compliance with legislation and to be a fair employer wherever we operate. As a responsible organisation we maintain a disciplined approach to our corporate governance and operate to the optimum professional standards in all aspects of our business.

Talaris will always seek to provide a safe and productive work environment where all employees can grow and be challenged. Wherever we operate our objective is to contribute actively to the community and the local environment. An intrinsic part of our business philosophy across our product and service offerings is to be consistently environmentally responsible and to continue to improve our performance across all environmental issues wherever possible.



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