Trendsetter NEWS Optional Plate Ledge Upgrade

Applies to

☑ Trendsetter® NEWS

Background

This optional feature upgrade replaces the standard plate ledge with a larger one that will hold a stack of plates approximately 25 mm deep. The maximum number of plates that the new ledge will hold varies with plate thickness as follows:

Plate thickness	Maximum number in stack
8 mil (203 µ)	125
10 mil (254 µ)	100
12 mil (305 µ	83

Note: This is not an FCO. It is an optional feature upgrade that customers may choose to purchase.

Tools and parts

Upgrade kit (part number 512-00231A)
Includes the following parts:

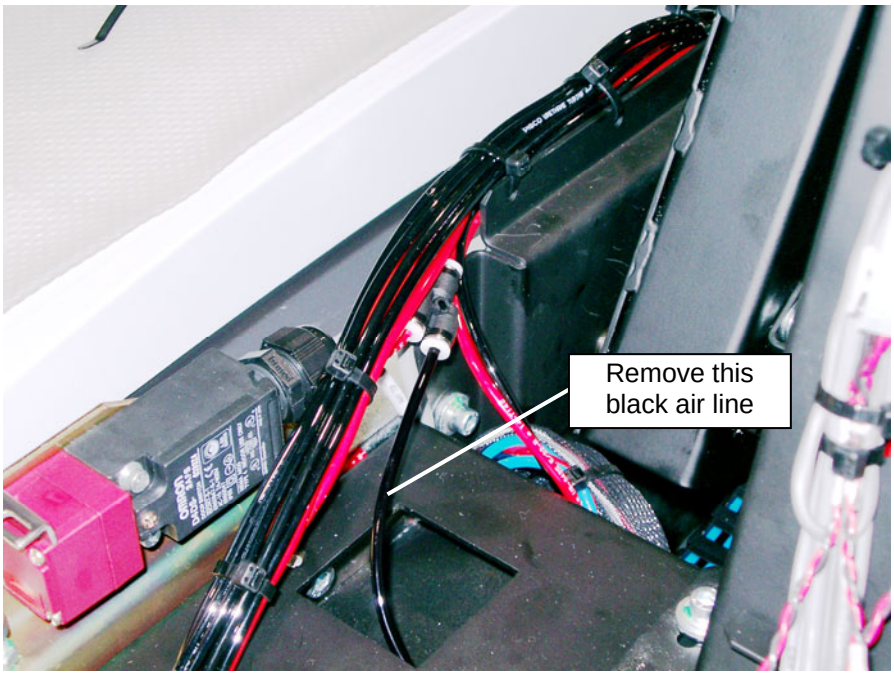
- 500-02355A, plate ledge assembly (x 1)
- 52-7177, M3 x 10 replacement mounting screws (x 13)
- 360-00035, rubber bumper, 8-32 X 1.25 in. (x 2)
- 18-3017, cable ties (x 10)

Steps

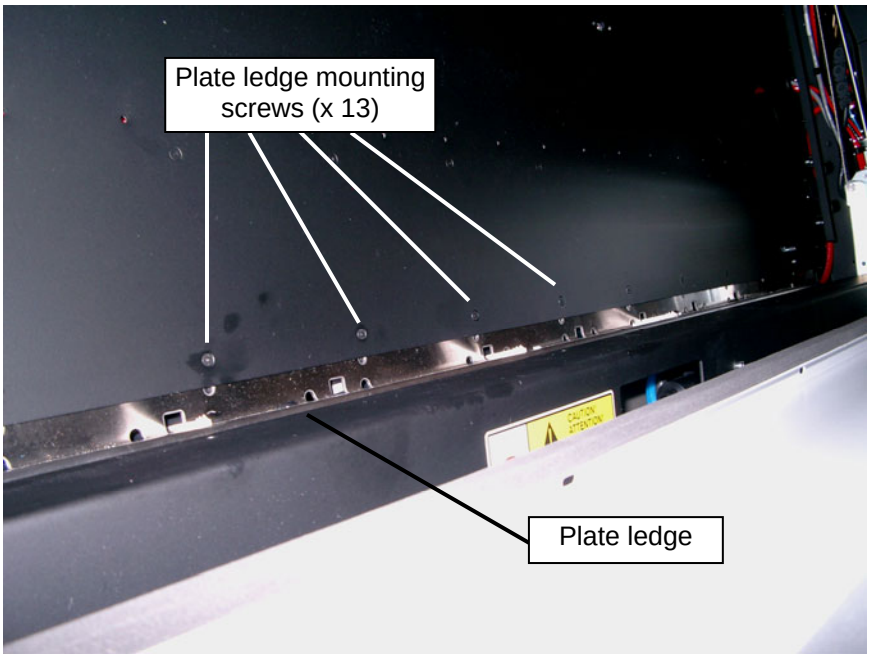
1. Turn off the power to the NEWS device and switch off the compressed air supply. The unload table slowly drops to the horizontal position.
2. Remove the panel next to the operator interface (see photo below).



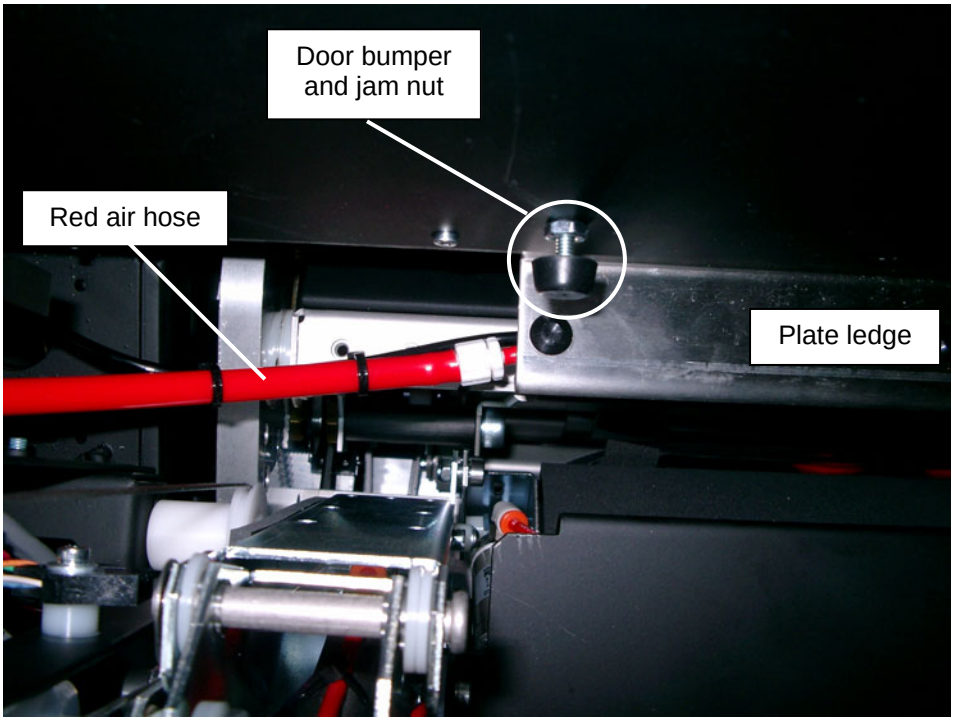
3. Remove the black air line attached to the tee connector (see photo below).



4. Open the front bay door to view the cassette bay and find the plate locator label. You will use this label as a starting point when replacing the plate ledge.
5. If necessary, remove the plates from the bay to expose the metal plate ledge. Use a hex key to remove all of the plate ledge mounting screws, using extra care not to drop screws into the output device.
   Do not use the ball end of the hex key, as this may strip the screws.



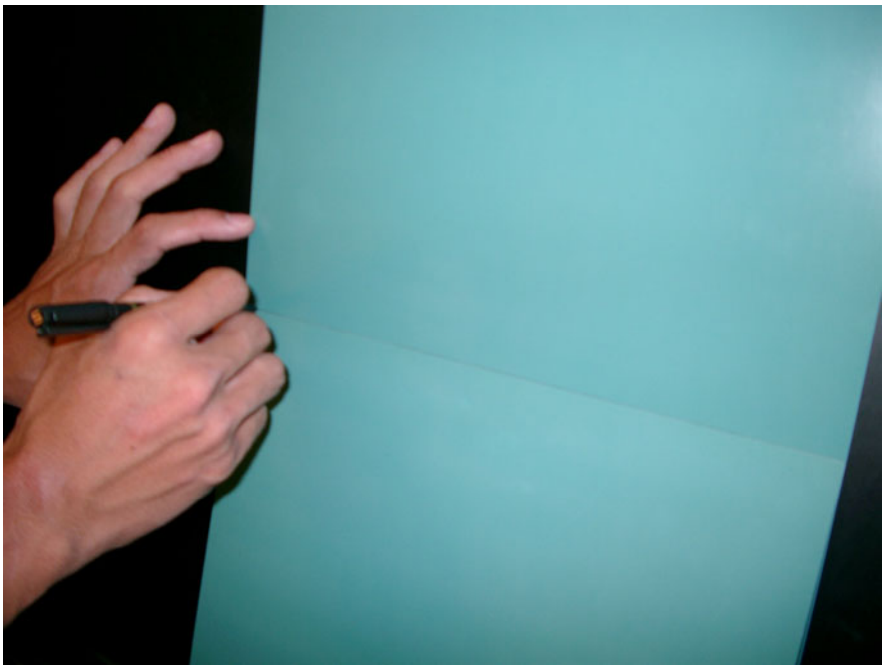
6. Loosen the jam nuts on the door bumpers on each side of the plate ledge, and remove the bumpers (see photo below).
7. Unscrew red hoses from each side of the plate ledge (see photo below).



Door bumper/jam nut and red air hose (away side of plate ledge shown)

8. Carefully remove the plate ledge from the NEWS device, taking care not to scratch anything.
9. Install the new ledge with the new M3 x 10 mounting screws (52-7177) included in the upgrade kit. Do not tighten the screws at this time, because the ledge must be set up to the proper position to drop plates to the leading edge clamp.
10. Transfer the jam nuts from the door bumpers you removed in step 6 to the new, longer door bumpers (360-00035) included in the kit.
11. Install the new door bumpers on each side of the plate ledge. Do not tighten the screws at this time.
12. Place a stack of plates onto the ledge and position the ledge height so that the top of the plates line up with the labels in the bay.
13. Reattach the red air hoses you disconnected in step 7.
14. Route the black air hose to the Tee connector (see step 3).
15. Use cable ties to secure the red and black hoses into position.
16. Reinstall the panel next to the operator interface (see step 2).
17. Switch on air to the NEWS device and wait for the unload table to rise.
18. Switch on power on to the NEWS device.
19. Turn the safety interlock override (SIO) key switch to the Override position.
20. Place at least 2 plates into each stack on the plate ledge.
21. In Service Shell, use command
    `init`
    to instruct the NEWS device to prepare to load a plate.
22. Use command
    `picker pick`
    to move the picker into the bay and pick a plate.
23. Use command
    `picker down`
    to move the picked plate to the load position.

    At this point the plates will be positioned above the registration blocks mounted on the drum. The leading edge clamp must be opened and ready to accept the picked plate.
24. Use a fine-tip felt pen to mark a straight edge on the plate in the bay. This gives you a reference line for the drop position (see photo below).

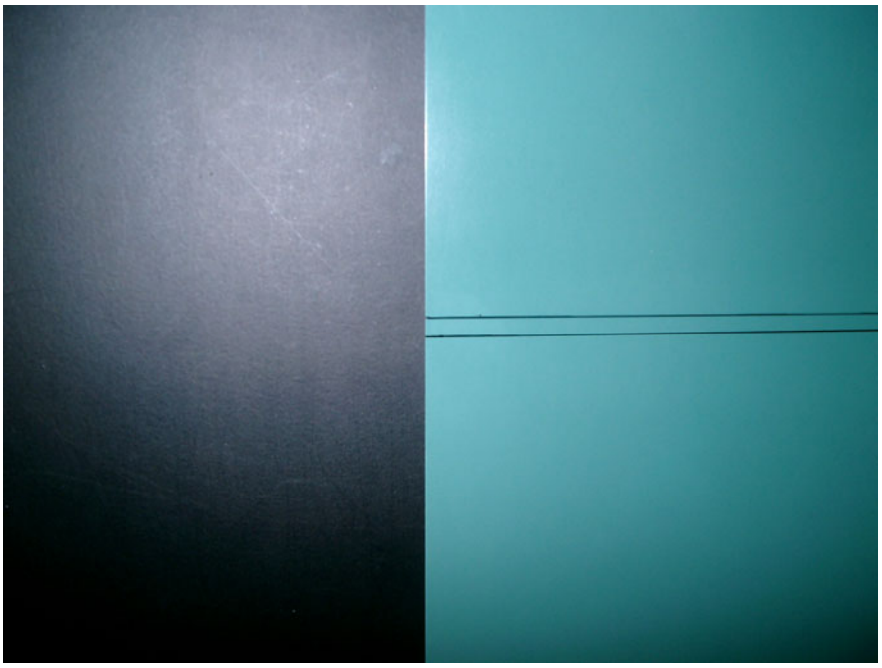


25. Use command
    `picker vac off`
    to release the plate from the picker suction cups.

    The plate drops onto the registration blocks located on the drum.

26. Draw another line on the plate (see photo below) and measure the drop distance. The distance should be 4–5 mm from the back of the bay.

    Note: The plate drops a lesser distance when the bay is full of plates.



27. If the plate drop is not within specification, adjust the ledge height. When the plate drop is correct, tighten the plate ledge mounting screws.
28. Adjust the door bumpers on either side of the plate ledge so that they are flush with the load ramp. Ensure that when the door is closed, it rests evenly on both bumpers.
29. Manually load a plate.
30. Manually unload the plate and verify that it does not jam against the lower edge of the door or the handle bars.
31. If necessary, readjust the bumpers and repeat steps 28–30.
32. Tighten the jam nuts on both bumpers.
33. Load the bay with a full stack of plates.
34. Repeat the plate drop check described above to measure the distance of the drop to the registration blocks. It should be 2–3 mm when plates are picked from a full stack.
35. Verify that the plate drop distance is the same along the width of the plate. If it is not, observe the leading edge clamp for debris or bits of plate blocking the plate drop. Clear any obstruction from the plate drop to leading edge clamp. Check the picker cups when the picker is down and the vac is off, and make sure the plate moves freely out of the leading edge clamp.
36. Remove the plates used for adjusting the ledge.
37. Return the SIO key switch to its normal position and remove the key.

38. Return the NEWS device back to normal operating condition and cycle the machine with a set of plates to ensure the plates are loaded correctly.

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