
Operator Level Diagnostic Tests for Rimage Producer III and Producer IIIN



R I M A G E[®]

Producer™ 7100\8100 or 7100N\8100N Perform Diagnostic Tests

This document provides the information needed to access, select, and perform Producer III and Producer IIIN diagnostic tests. To perform any of the diagnostic tests, you must ensure that the Producer III or Producer IIIN is not in an error state. For information about operating and maintaining the Producer III and Producer IIIN refer to the *Rimage Producer III and Producer IIIN User Guide*.

 **Important!** Perform only the diagnostic tests provided below. Do not attempt to perform other diagnostic tests without the assistance of a Rimage trained technician.

Access and Select Diagnostic Tests

1. Power on the **autoloader**.
2. Open the **front door** of the autoloader.
3. Press and hold the **operator button** until [BUTTON DIAGNOSTICS] displays on the operator panel.
4. Release the **operator button**. The autoloader is in diagnostic test mode.
5. Press the **operator button** the same number of times as the test number and hold the button in on the last press. The autoloader begins the diagnostic test.

For example: To start diagnostic test 3 (calibrate lift home diagnostic test), press the **operator button** three times and hold it on the third press.

 **Tip:** To display each diagnostic test number and name, press the **operator button** at a rate that is slow enough so that you can read the test on the operator panel. If you passed the desired diagnostic test, release the operator button. After the operator panel displays the 01 diagnostic test, select the desired diagnostic test.

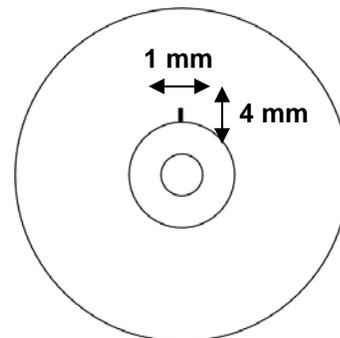
6. Continue with the desired diagnostic test.

Create a Disc with an Index Mark

Diagnostic test 5 requires a disc with an index mark.

Use a black permanent marker and draw a line on a disc near the center as shown.

 **Note:** The mark should be at least 1 mm wide and 4 mm long.



Diagnostic Test 3 – Calibrate Lift Home

This diagnostic test calibrates the lift arm to accurately detect the number of discs in the carousel bins.

 **Tip:** This diagnostic test uses the carousel motor, lift motor, carousel sensor, and the lift home sensor.

1. Remove all **discs** from the carousel bins.
2. Place **one disc** in bin 1.

 **Caution:** Be sure that there is only one disc in bin1 and no discs in any other bin. If you attempt to perform this test with more than one disc in the unit it will cause miscalibrations which can damage the lift arm and recorders.

3. **Access and select diagnostic test 3.** Refer to page 1. The operator panel displays [CALIBRATE DIAGNOSTIC].
The lift arm moves to the supply bin, picks up the disc and then drops the disc into the supply bin. Then, the lift arm moves back to its home position above the printer tray. When this cycle is complete, the autoloader restarts and exits diagnostic tests mode.

 **Note:** Diagnostic test 3 causes the autoloader to exit diagnostic tests mode when completed. To continue performing diagnostic tests, refer to [Access and Select Diagnostic Tests](#) on page 1.

Diagnostic Test 5 – Cycle the Lift Diagnostic

This diagnostic test cycles media between the carousel bins and the printer. During each cycle, the test locates the index mark on the disc.

 **Tip:** This diagnostic test uses the lift motor, printer, rotate motor, the carousel, carousel sensors, index sensor, and the media sensor.

 **Important:** Use a disc with an index mark. To create a disc with an index mark, refer to [Create a Disc with an Index Mark](#) on page 1.

1. Open the **front door**.
2. Place one or more **discs** with an index mark in any bin.
3. **Access and select diagnostic test 5.** Refer to page 1. The operator panel displays, [CYCLE LIFT cycle = 00000].
The lift arm moves down to the carousel and picks up the disc with an index mark on it. The printer tray opens. The lift arm releases the disc on top of the printer tray. The lift arm picks up the disc and drops it into a bin in the carousel.

 **Notes:**

- The lift arm starts to pick discs from bin 1. If a disc is not in bin 1, the lift arm proceeds to the next bin.
- The test continues to cycle media until the operator button is pressed.

4. Press the **operator button** to stop the test.
5. To exit diagnostic tests, refer to [Exit Diagnostic Test Mode](#) on page 2.

Exit Diagnostic Test Mode

Press the **operator button** 19 times and hold on the last press. The autoloader exits diagnostic test mode.

 **Note:** To exit a test but remain in diagnostic test mode, press the **operator button** one time while the test is running. (Diagnostic test 3 is an exception.)