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ImageWriter LQ: Testing Sheetfeeder/Tractor-Feed Paper-Out Sensor

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TOPIC -----

The ImageWriter LQ has two paper-out sensors; however, the Technical Procedures Manual has information for testing only the least-used bottom-feed sensor.

How can I test the other paper-out sensor used for the sheetfeeder and tractor-feed paper?

DISCUSSION -----

To test the paper-out sensor used for everything except bottom-feed paper, follow these steps:

- 1) Using standard procedures, remove the printer top cover.
- 2) Power on the printer without any paper inserted.
- 3) Configure a multimeter to measure between 0-5 volts DC.
- 4) Locate connector C9 on the logic board.
- 5) Connect the GND lead to pin 5 and the positive lead to pin 3. Without any paper inserted in the printer, the measured voltage should be approximately 4-5 volts.
- 6) Insert a piece of paper in the printer and monitor the multimeter. As paper is inserted, the voltage should drop from 4-5 volts to almost zero volts. Repeat this process several times to ensure proper operation of the sensor.

If this change does not occur, the paper-out sensor is probably defective and should be replaced.

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