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ImageWriter LQ: Carrier Motor Functional Test

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TOPIC -----

How can I determine whether the ImageWriter LQ carrier motor is functional?

DISCUSSION -----

To determine if an ImageWriter LQ carrier motor is functional, perform the following test:

- 1) Turn off the power to the printer and disconnect the carrier motor cable from connector CN5 on the ImageWriter LQ's CPU PCB.
- 2) Using a multimeter, measure the resistance between the pins of the disconnected carrier motor connector.

Here are the suggested values:

Pin 1 to Pin 3		1.3 Ohms
Pin 1 to Pin 5	I	1.3 Ohms
Pin 2 to Pin 4	I	1.3 Ohms
Pin 2 to Pin 6	I	1.3 Ohms
Pin 3 to Pin 5	I	2.6 Ohms
Pin 4 to Pin 6	I	2.6 Ohms

If any resistance measurements varies by more than 10% from the values listed above, the motor is defective and should be replaced.

Here is a pinout diagram of the carrier motor connector:

Color	Pin #
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White	1
Black	2
Red	3

Yellow 4
Brown 5
Blue 6

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