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ImageWriter and DMP: 5 A Fuse Keeps Blowing (Dead Printer)

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NOTE: You will need an ohm-meter for this procedure.

PROBLEM DESCRIPTION: Printer has no line feed, carriage movement, or dot fire because the 5 Amp fuse is blown. After the fuse is replaced and Self Test is tried, the fuse blows again.

CAUSE: Probably either the line feed or carriage stepper motor has shorted a winding, causing the fuse to blow.

CURE: TO CHECK THE LINE FEED MOTOR (DMP and IW have same stepper motors)

1. Remove the logic PCB, disconnect plug CN1 (line feed stepper motor connector for both DMP and ImageWriter).
2. Measure for approximately 65 ohms between the following pins with an ohm-meter: 6 to 2, 6 to 4, 5 to 1, and 5 to 3.
3. If any measurement is significantly less than 65 ohms, that probably means that a winding is shorted in the line feed motor and it should be replaced. (The DMP's line feed stepper motor is not listed as a replacement part. However, the line feed stepper motor for the ImageWriter will also work for the DMP. ImageWriter line feed stepper motor P/N is 699-0109).

TO CHECK THE CARRIAGE MOTOR

1. Remove the logic PCB, disconnect plug CN3 (Carriage stepper motor connector for both DMP and ImageWriter).
2. Measure for approximately 10 ohms between the following pins with an ohm-meter: 6 to 2, 6 to 4, 5 to 1, and 5 to 3.
3. If any measurement is significantly less than 10 ohms, that probably means that a winding is shorted in the line feed motor and it should be replaced.

IF BOTH STEPPER MOTORS CHECK OUT

There is probably a short on the main PCB so replace it.

If this cure does not resolve the problem, go back to the Word Search screen and search on the product's name and HTS and GTS to obtain a General Troubleshooting procedure.
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