LaserWriter II: Fan Failure and Excessive Heat (11/94)

Article Created: 30 July 1991
Article Reviewed/Updated: 09 November 1994

TOPIC -----

Recently, I've repaired three LaserWriter II printers that have had upper fan failures that caused the internal compartment (where the toner cartridge is located) to overheat. Coincidentally, the gear on the fuser assembly, which engages the drive gear assembly when the top cover is closed, has had part of its teeth sheared. The customers reported that they leave these printers on 24 hours a day.

1) Could the excessive heat created in the compartment cause the gear to become brittle and create this type of fuser assembly failure?

2) When will Apple make parts available for the gears, upper fuser roller, and lower fixing roller located on the end of the fuser assembly?

DISCUSSION -----

1) According to Canon, who evaluated the possible negative effects of a stopped fan, this is not an issue. If the printer operates under normal use (intermittent printing) in a normal office environment (20 to 25C), the fan should not be a consideration.

- Molded parts will not reach the softening point at which the mold is subject to deformation. The molds used in the fixing unit are heat-resistant.

- The electrical components will not reach the Canon-specified derating of 70%.

- The cartridge will not reach the temperature at which toner is prone to fusing or blocking.

2) Refer to the Service Source CD, Illustrated Parts Section or Service Programs Manual, Price Pages, LaserWriter II for pricing and part number information.

Article Change History:
09 Nov 1994 - Reviewed for technical accuracy.

Keywords: hts

==========

19960215 11:05:19.00
Tech Info Library Article Number: 7970