

! INDUSTRY ALERT #102



Placement of Tension Spring on Four Lexmark® Models Is Crucial to Print Quality

Optra® S • Optra® T • T520 • T620

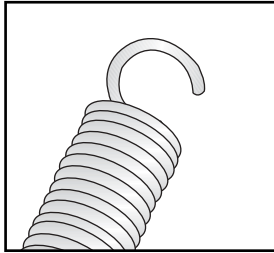


FIGURE 1

When reassembling the Lexmark® Optra® S, Optra T, T520 or T620 cartridges it is important to attach the tension springs in the proper position. There are molded eyelets on each side of the hopper designed for this purpose. However, sometimes these eyelets can break.

There is a simple solution if the eyelet does break. Clip off part of the hook at the end of the tension spring (FIG. 1). This leaves you with about 3/4 of a loop. Hook it over the slot which was created when the eyelet broke off. The solution will be slightly different for each side (Left Side: FIG. 2-A & 2-B, Right Side: FIG. 3-A & 3-B). The placement of the spring is necessary to ensure that you maintain the correct amount of tension between the developer roller and OPC drum. If tension is too high or too low, it will effect the metering of toner and can cause print defects.

Be careful not to over stretch or deform the spring. Testing has indicated that stretched tension springs can contribute to light print problems. There are several types of tension springs. Make sure that you have matching springs for your cartridge.

Left Side of Cartridge

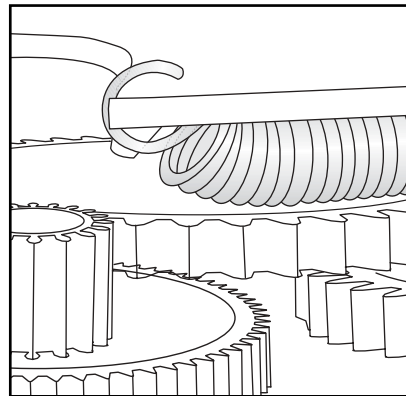


FIGURE 2-A

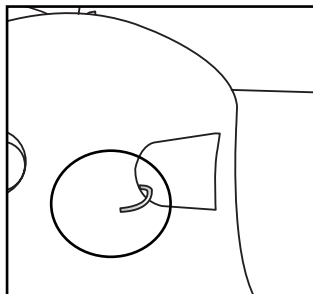


FIGURE 2-B

Right Side of Cartridge

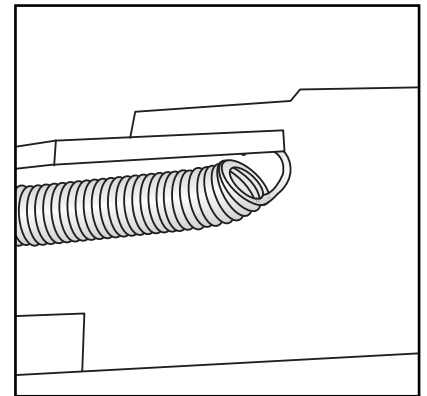


FIGURE 3-A

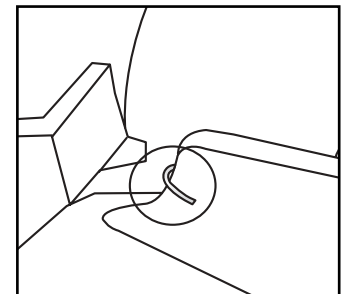


FIGURE 3-B

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