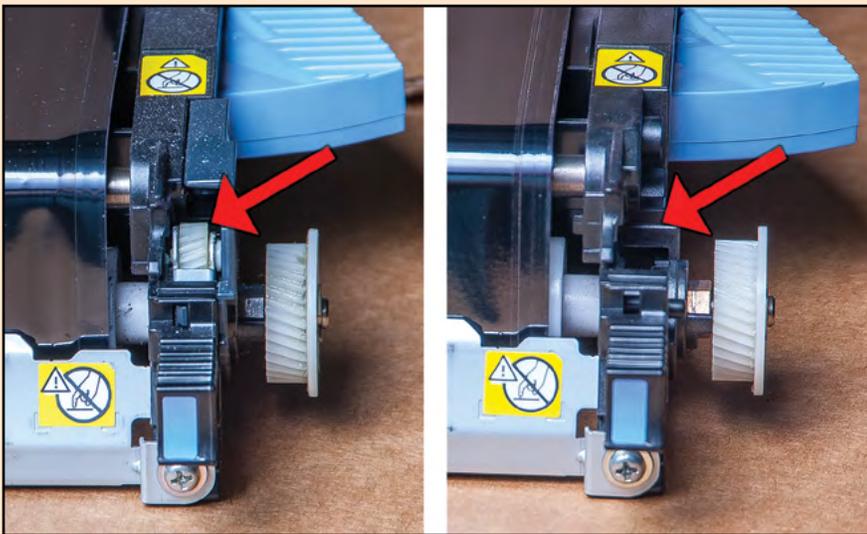


Look, ma, no gears: top arrows, transfer belt; lower arrows, transfer roller



closer views of the transfer belt versions...



...and the transfer rollers

PRINTER TECH ARTICLE

CP3525/CM3530:

NO GEARS?

NO PROBLEM!

In the original design of the HP LaserJet CM3530 and CP3525 printers, both the transfer belt and the transfer roller had gears on the right end, and the transfer roller was apparently driven by the transfer belt. HP must have decided that this arrangement was unnecessary, because newer versions of both parts are missing the gears. We have noticed that the transfer roller spins very freely, and friction from the print media is apparently enough to turn it, without the need for any external drive mechanism.

We have seen printers in which both parts have gears, and printers in which neither part has a gear. But what happens if you have one of the older printers (both parts have gears), and buy a new transfer belt or transfer roller, without a gear? Will it still work? Yes! We tried all possible combinations of transfer belts and transfer rollers with and without gears, and never had a problem. The transfer roller turns freely, and the printer produces normal output with no paper jams, no matter which combination of parts is used.

Replacement of these parts is simple. First, open the right door of the printer, and use the blue lever on the left to lower the secondary transfer assembly all the way. Use the blue handle on the left end of the transfer roller to pull it up out of the assembly. When re-installing, make sure the pins/nubs on each end of the transfer roller are facing downward, to fit into the corresponding holes on the assembly. With this assembly still open, remove the transfer belt by grasping the small blue handles on each side and pulling it partway out. Larger blue handles will expand outward on each side. Use these to pull it the rest of the way out. After installing either part or both parts, rotate the secondary transfer assembly back up until it clicks in, and then close the right door.

NOTE: Do not touch the surface of either the roller or the belt with your fingers. Skin oils can damage these surfaces.