



## ***HP CLJ 4600/4650 - Blank pages-Disengaging Rod***

**Problem:** Document does not print and no error code is displayed

### **Troubleshooting:**

Remove formatter and print the engine test

- *To print test: locate the small hole in the center of the left cover, press and hold for two seconds*

Under normal circumstances you will receive a page with horizontal lines of all four colors.

If **yes** - remove jet direct card (if applicable), replace firmware, and then formatter.

If **no** - proceed as follows:

Remove the top and left cover, then put the top cover back on and run a print job. You should hear and see the developing motors start.



The developing disengaging rod will raise approx. an inch, pause for 2 seconds, and then raise a second time.

If on the second lift the disengaging rod skips teeth or does not move, this indicates the disengaging rod needs to be replaced

Note: The disengaging rod along the bottom is a 2" row of teeth that tend to actually break off causing the cartridges not to engage, requiring the rod to be replaced.

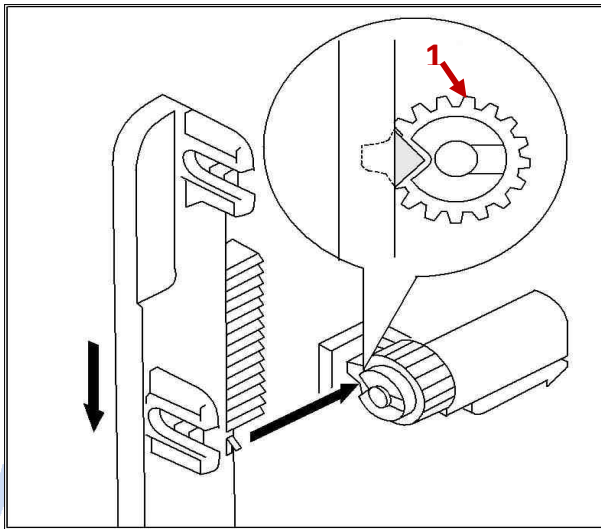
## Remove DC Controller shield

1. Remove metal retaining plate (6 screws), exposing the disengaging rod
2. Remove the return spring from the bottom of the disengaging rod
3. Raise the rod to its maximum lift point, and pull upward and outward to remove.

## To reinstall:

- 1 When reinstalling the developing disengaging rod, be sure to rotate the white gear (located between the black and magenta drum-drive units) clockwise until it comes to a complete stop (*image 1*).

You cannot rotate the white gear unless all of the print cartridges are removed.



- 2 Also make sure that the developing disengaging rod passes through the slots in the drive clutches (in the up position - *image 2*) in each of the four drum drive units, engaging each clutch. The clutch on the yellow drum drive unit is particularly difficult to see and to engage.

