



LJ M5025



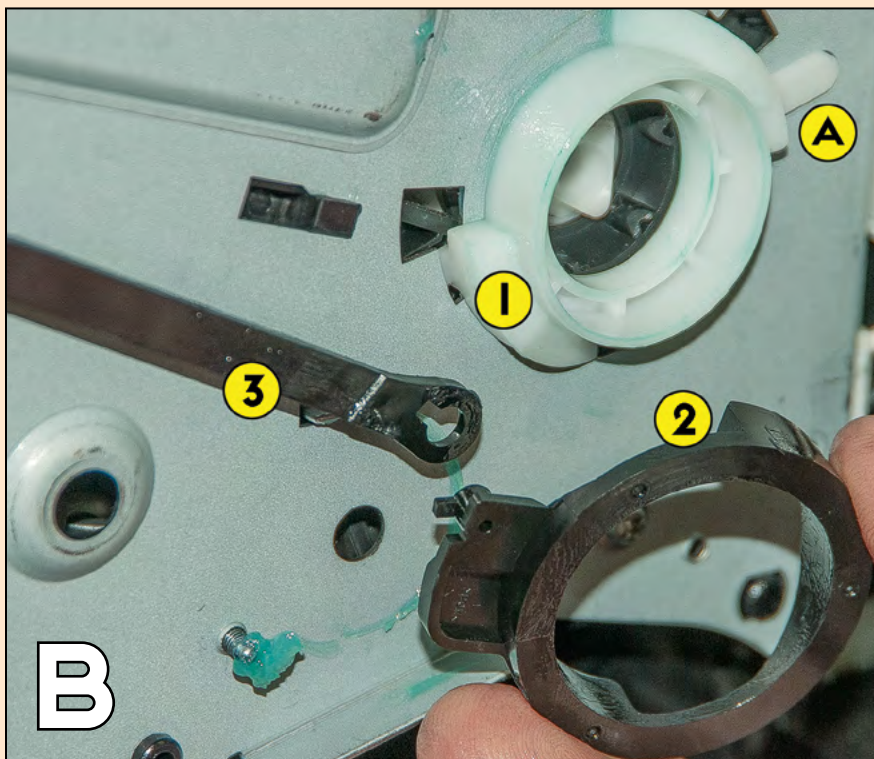
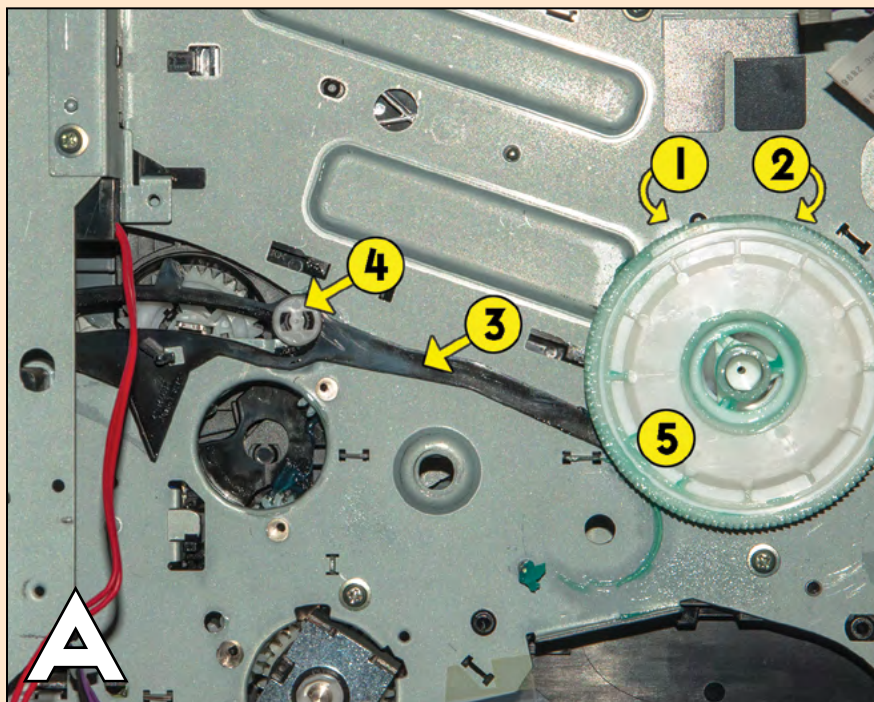
LJ 5200TN

PRINTER REPAIR ARTICLE

5200/M5025/35 Drum Drive Kit: Parts ID, Installation

Liberty Parts Team offers a drum drive kit (KIT-5200-DD-NN) which is usable for the Laserjet 5200, M5025 and M5035. We also offer the individual parts separately. The kit contents and installation instructions follow.

We are presenting this because the 5200 manual doesn't provide part numbers for most of these parts and neither manual offers drum drive replacement instructions. HP, in fact, does not sell the drum drive assembly.



KIT-5200 Contents

The kit contains one each of the following.
The yellow circles in the figures correspond to the item numbers in the left column below.

Item	Part #	Description	Fig. #
1	RC1-7283	Bushing	B
2	RC1-7284	Cam	B
3	RC1-7285	Coupling lever	A, B
4	RC1-7288	Link stopper	A, E, F, G
5	RU5-0546	Gear, 133T	A
6	RU5-0547	Gear, 73T	C
7	RU5-0548	Gear, 96T/52T	C
8	RU5-0549	Gear, 99T/40T	C
9	RU5-0550	Gear, 43T	C
10	RU5-0551	Gear, 26T	C
11	RU5-2630	Compression spring	C
12	RU5-2631	Compression spring	C
13	RU5-2632	Tension spring	C, D

KIT-5200 Installation

In all three models, you have to remove the formatter board, low-voltage power supply, and DC controller board to get to the drum drive assembly. If we consider the control panel to be in the front of the printer, these parts are all on the right side of a 5200, but on the rear side of the M5025 or M5035. We will not cover the details of removal, since they differ considerably on the different models, and are well-covered in the service manuals. The manuals can be downloaded from our website (click on "Good Stuff" at www.lbrty.com).

In the appropriate manual, go to "Removal and Replacement: Main Motor." This will get you as far as removing the main drive plate that holds the motor and most of the drum drive gears. Before removing this plate, disconnect the tension spring at the left (see item 13 in Figures C, D). Note the connection points, one on the drive plate and one on the plastic coupling lever (Fig. E). Also be aware that some of the parts on the drive plate and on the printer body are loose, and may fall off when you remove the plate. If this happens, re-position them using the photos as a guide.

For most of the parts, removal and replacement is fairly obvious, but here are some notes to help you:

1 Left Gears and Spring.

- The left-most gear in Figure C is only one of a stack of three parts: two gears and a compression spring. In order from top to bottom, these are items 10, 9, and 12 from the table.
- The upper gear in this stack has a retaining tab that must be pried away from the shaft to remove the gear.

2 Gear Under Motor.

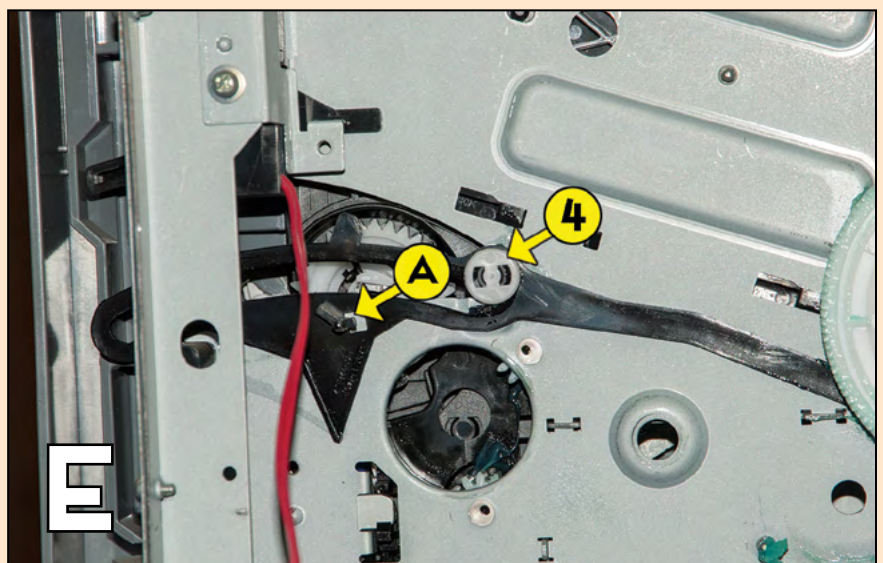
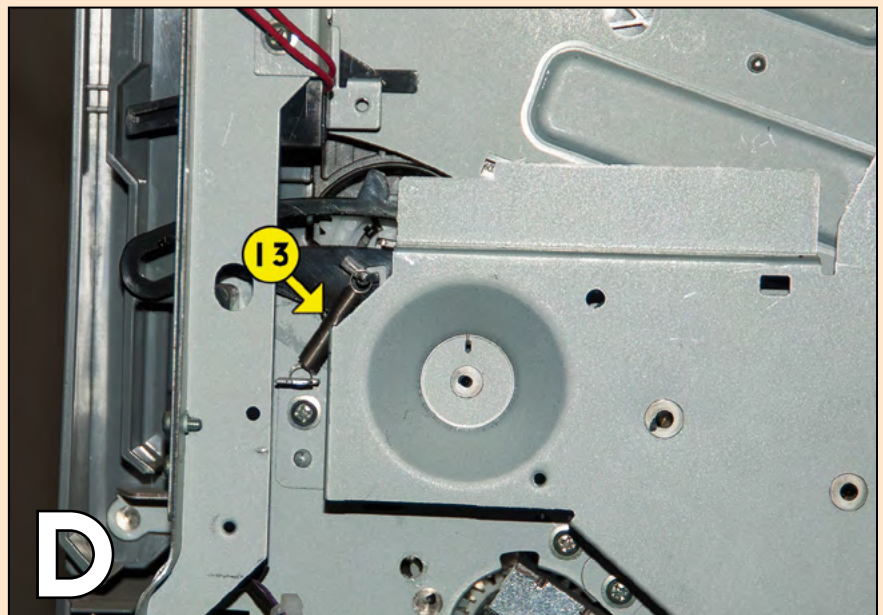
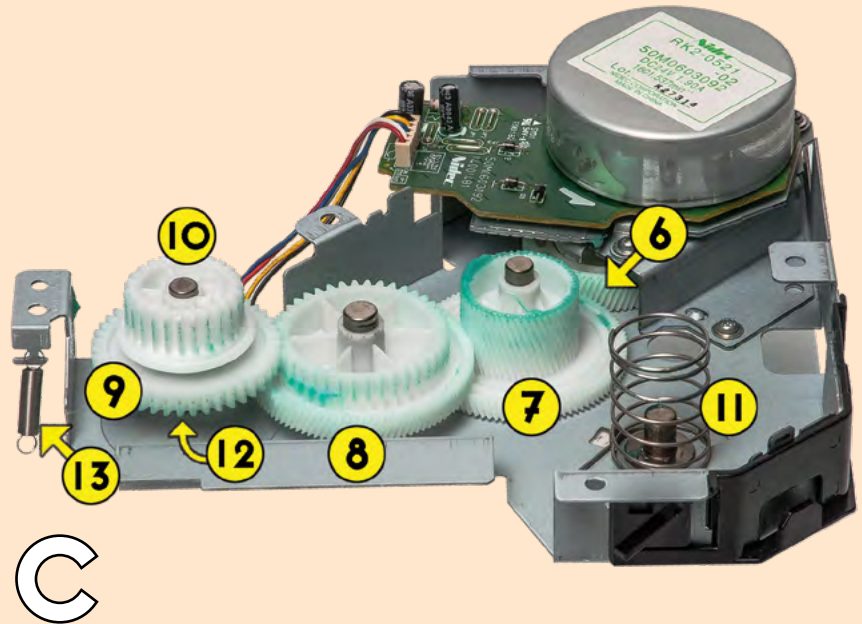
- To get to the rightmost gear, which is partially visible under the motor and is #6 in Figure C, remove the motor (three screws) and the metal support plate under the motor (three more screws).

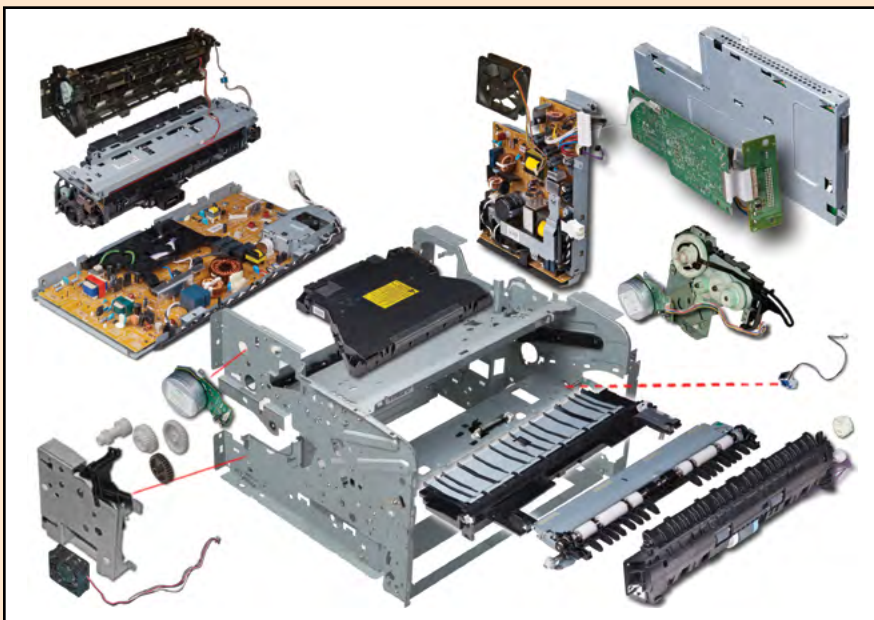
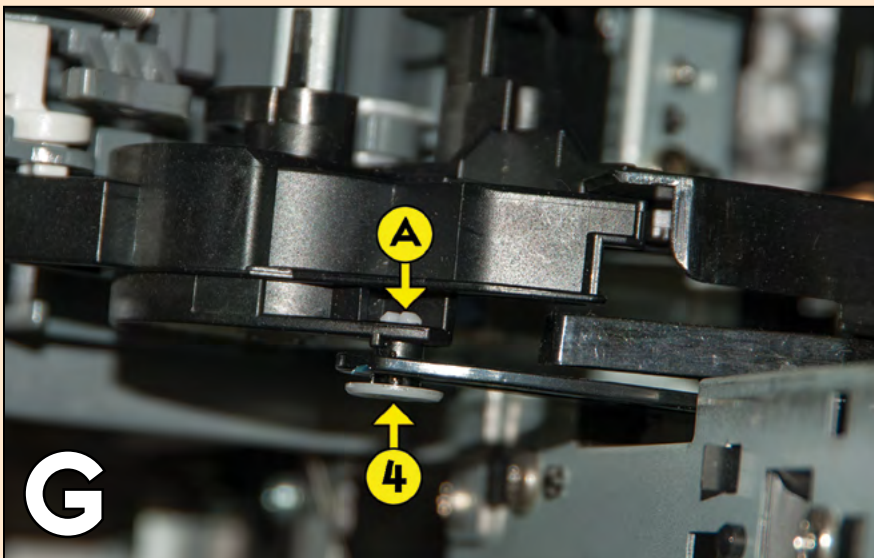
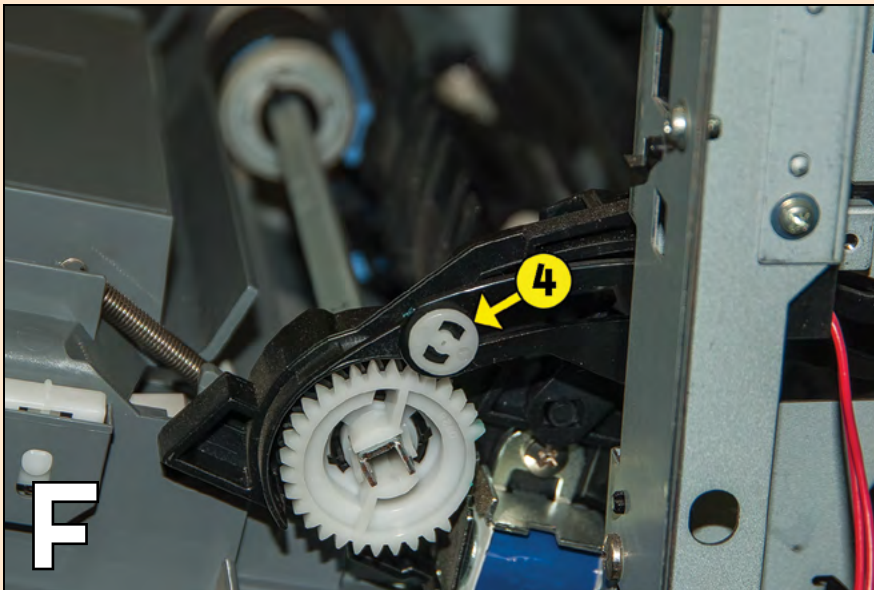
3 Other Gears on Asm.

- The other gears in Figure C just slide off their shafts.

4 Beneath the Large Gear on the Printer

- The large gear on the printer body, #5 in Figure A, is one you can just pull off if it didn't fall off when the drive assembly was removed.
- The large gear conceals a cam and a bushing (items 2 and 1 in the table and in Figure B). The cam is attached to the coupling lever (item 3) by a keyed link, which is visible in the figure. To remove the cam, pull it away from the bushing





5200 DIAGRAM FROM LBRTY.COM

and then rotate it until it can be separated from the coupling lever.

- c When replacing it, note that there are two ways it could over the bushing. Correct is with the keyed link on the bottom. It will be easier to install with the toner door closed.
- d Before removing the bushing and coupling lever, you will need to open the toner door and remove the toner cartridge. Make sure to cover it or put it in a dark place while it is out of the printer.
- e Notice the retaining tab extending out from the bushing at roughly the 2 o'clock position (A in Figure B). To remove the bushing, push out on this tab from inside the toner cavity, while simultaneously rotating the bushing clockwise. It can then be pulled out of the chassis.
- f The coupling lever is secured by the link stopper (No. 4 in Figures A, F, G). With the toner door open, you can remove this stopper by squeezing its retaining tabs together (A in Figure G). Once it is removed, the coupling lever is free.

LPT



M5035



5200

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