

HP® LASERJET P2035/2055

GEARLESS DRUM REPLACEMENT INSTRUCTIONS



TONER CARTRIDGE, DRUM UNIT & OPC DRIVE GEAR

REPLACING THE HP LASERJET P2035/2055 GEARLESS DRUM

By the Technical Staff at UniNet

Until replacement drums with gears become available, and while working on a HP P2055 cartridge requires replacement of the drum, we have provided quick instructions on how to remove and install the gears/hub on the HP P2035/2055 cartridge:

REQUIRED SUPPLIES

1. New drum for use in HP P2035/2055 (optional) - UniNet #13372 gearless recommended

REQUIRED TOOLS

1. Metal 3/16" rod or long flat head screw driver type, about 12" to 18" long
2. Pliers
3. Super glue or equivalent
4. Rubber mallet
5. Volt meter

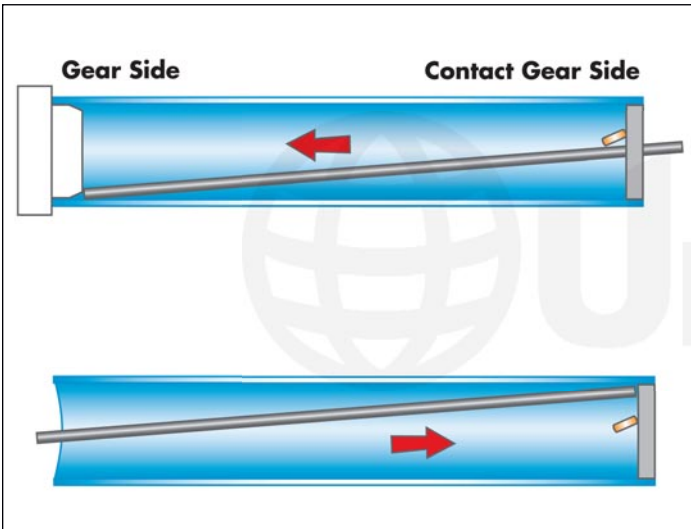
CAUTION: Please make sure you are wearing proper protective gear while performing the procedures from this article.



1. Swivel hub on the OPC drive gear shown



2. Remove the swivel hub on the drive gear by pulling it out using pliers.



REMOVING THE DRUM GEAR

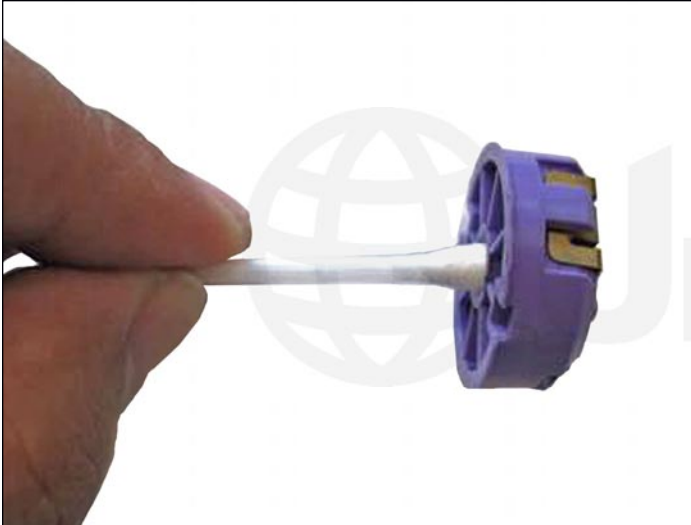
3. Slide a 3/16" metal rod or long flat head screwdriver about 12-18" long, along the drum wall until it meets the side wall of the gear. Lightly tap the rod a few times with a hammer and rotate the drum. Repeat until it comes loose. Normally three to four times you'll have to tap it.

Do the same for the contact side taking care not to place the rod anywhere near the copper contacts that bite into the drum

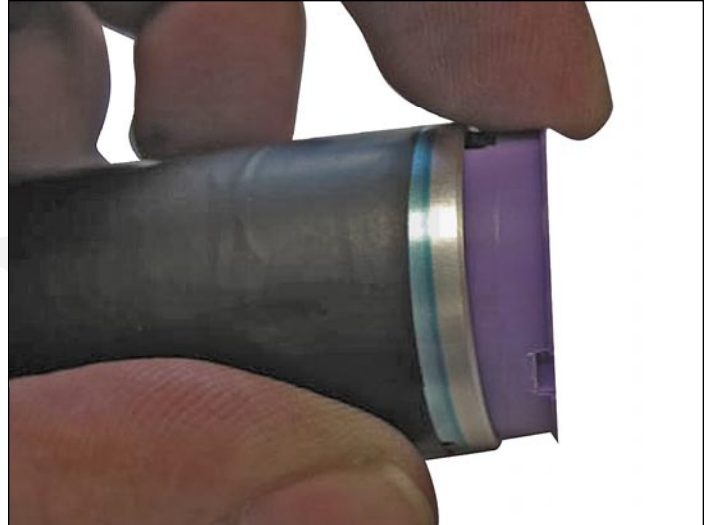


4. Straighten out the contacts on the contact hub and do the same for the contact gear.

Make sure you do not place the contacts that bite into the drum in the glue or there will be drum ground issues (blank pages).



5. Clean the contacts with a cotton swab and alcohol.



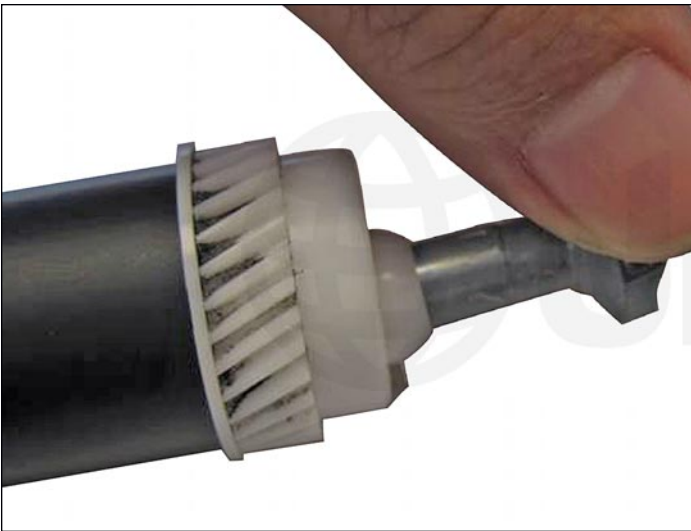
6. Apply a thin layer of super glue around the contact hub and install into the new drum (avoid getting glue into the contacts and drum coating).



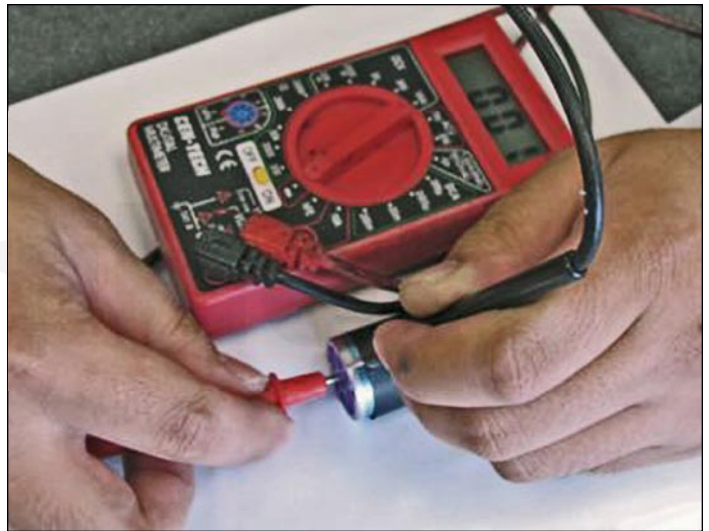
7. Place a few drops of medium or thick super glue on the inside wall of the gear (not on the edge) about 1/8" to 1/4" from the edge, depending on the gear size (this will prevent the glue from overflowing into the drum coating when the drive gear is installed).



8. Install the drive gear. Place the drum onto a flat surface and gently tap the gear with a rubber mallet until the gears sit flushed.



9. Install the swivel hub into the drive gear.



10. Check the drum ground with an ohm meter. Place the probes into the drum contact and drum (very edge on the drum where there is no coating), and check for continuity.

Be very careful to keep the one lead on the edge of the drum. The top metal part has a clear protective coating on it and is easily scratched. Do not press in hard or the lead will slide across the drum ruining it.

Allow the glue to dry for about a couple of minutes and the drum should be ready to use.