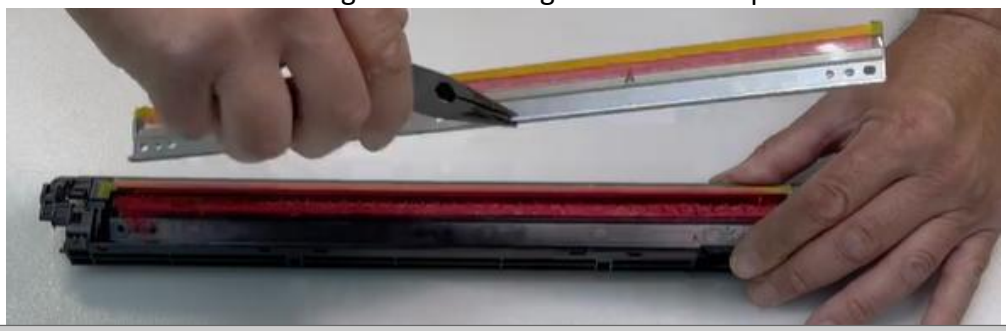
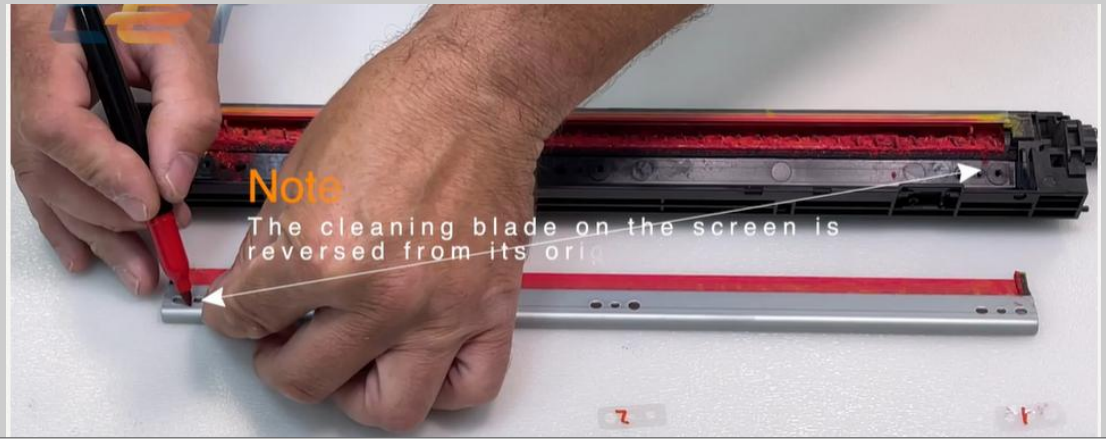
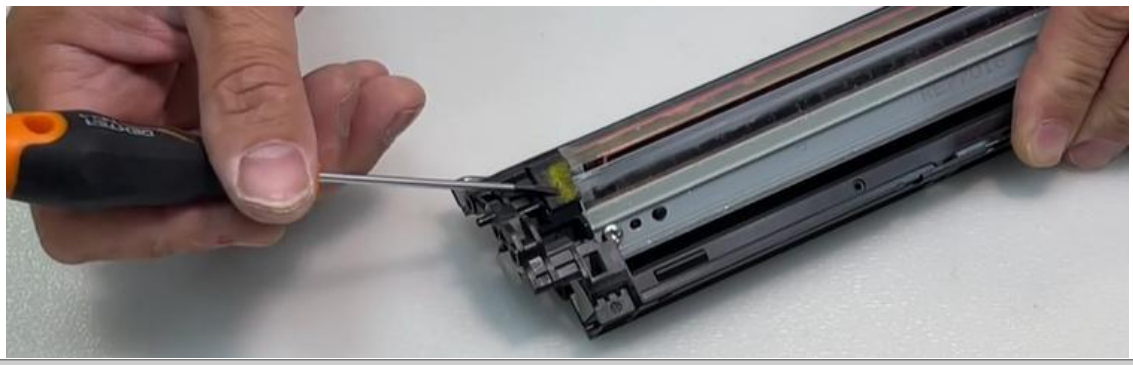
Konica Minolta IU-214 color imaging unit rebuild instructions – English (See video as well)

Tools and materials needed to rebuild the drum unit

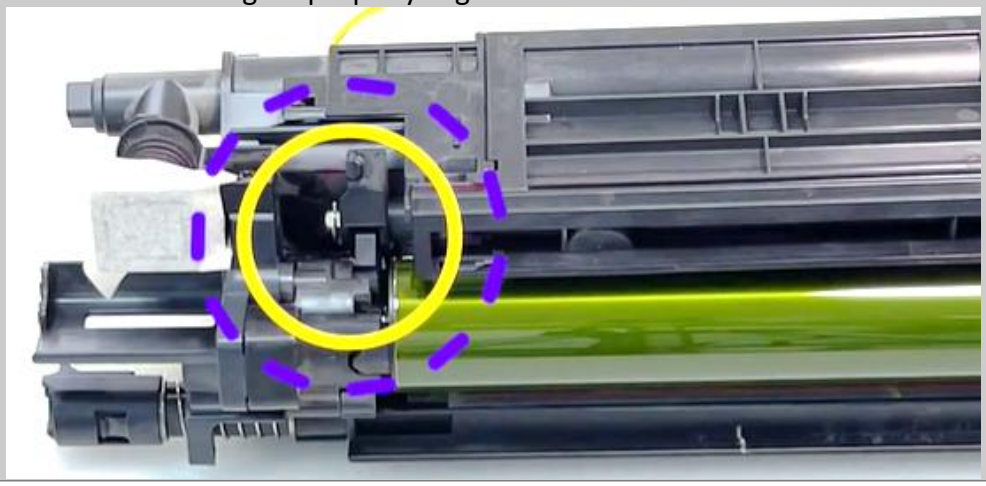
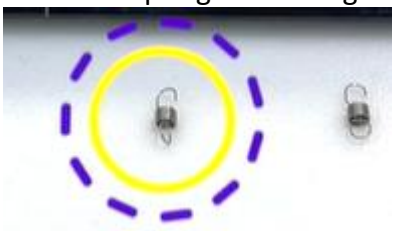
- **PH#2 screwdriver**
- **Small flat head screwdriver**
- **Needle nose pliers**
- **Tweezers**
- **Hook tool**
- **Toner vacuum cleaner**
- **Lint free cloth**
- **Cotton swabs**
- **Wooden toothpicks**
- **Conductive grease**
- **Scale**
- **Empty bottle**
- **Scissors**
- **CET Products:**
  - **CET501029 - IU-214C Imaging Unit Rebuild Kit**
  - **CET501030 - IU-214M Imaging Unit Rebuild Kit**
  - **CET501031 - IU-214Y Imaging Unit Rebuild Kit**

Step	Instructions
1.	IU-214 color imaging unit rebuild instructions for use in Konica Minolta Bizhub C227/C287
2.	Cover the developer unit port with a piece of adhesive tape
3.	Remove the screw holding the developer unit port using a PH#2 screwdriver
4.	Remove the tension springs on both sides of the developer unit section using a hook tool
5.	Detach the developer unit port from the drum unit section
6.	Carefully unhook the hinge on the developer unit section from the drum unit section 
7.	Detach the developer unit section, sliding it forward, from the drum unit section. Set aside the developer unit section for now.
8.	Remove the two screws holding the drum unit front cover using a PH#2 screwdriver, then remove the drum unit front cover
9.	Remove the three screws holding the OPC drum support plate using a PH#2 screwdriver, then remove the OPC drum support plate
10.	Remove the front spacer arm

11.	Remove the clip from the OPC drum axle using a small flat head screwdriver to pry it off
12.	Remove the three screws holding the rear drum unit cover using a PH#2 screwdriver
13.	Pull out the drum axle from the OPC drum for about an inch, then remove the OPC drum
14.	Completely pull out the drum axle from the OPC drum
15.	Remove the PCR assembly carefully prying out its saddles with a small flat head screwdriver
16.	Remove the small intermediate gear in order not to lose it
17.	Remove the three screws holding the drum cleaning blade using a PH#2 screwdriver
18.	Remove the drum cleaning blade *Warning:* *Start prying out the front side first to prevent breaking the plastic boss. Use a small flat head screwdriver to help pry it out*  Remove the drum cleaning blade off using a needle nose pliers 
19.	Note the location of each plastic shim under the cleaning blade. Each shim may have a different thickness. Note: If watching the video, the cleaning blade on the screen shot below is reversed from its original direction 
20.	Remove the waste toner with a toner vacuum *Warning:*

	Do not use a conventional vacuum
21.	Clean the recovery blade and the PCR contact with a cotton swab or lint free cloth
22.	Reinstall the plastic shims to their original locations using a tweezers to help put them in place
23.	Unpack the new CET Imaging Unit Rebuild Kit **CET501029 – Cyan** **CET501030 – Magenta** **CET501031 – Yellow** The kit contents: OPC Drum, Drum cleaning blade, Primary charge roller, PCR cleaning roller, Developer chip, Developer
24.	Take out the new CET drum cleaning blade
25.	Reinstall the new drum cleaning blade using a needle nose pliers to put it into place, then secure it with three screws using a PH#2 screwdriver
26.	Make sure the corners of the recovery blade are above the foam and the corners of the cleaning blade fit into the side felts 
27.	Reinstall the small intermediate gear using a tweezers
28.	Remove the saddles from the PCR assembly
29.	Clean the saddles with a cotton swab
30.	Take out the new CET Primary Charge Roller (PCR) and PCR cleaning roller Note: You may leave the wrapping on the PCR at this step in order not to touch its surface with bare hands
31.	Apply a small amount of conductive grease on the contact end (black saddle side) of the PCR shaft using a toothpick to apply the grease
32.	Remove the wrapping from the PCR *Warning:* *Do not touch the PCR surface with bare hands*
33.	Reinstall the saddles onto the PCR and PCR cleaning roller using a tweezers to help insert the PCR and PCR cleaning roller ends into the saddles
34.	Reinstall the PCR assembly into the drum unit
35.	Take out the new CET OPC drum leave the black protective wrapping on it
36.	Insert the drum axle into the new OPC drum from the non-gear side
37.	Remove the black protective wrapping from the OPC drum
38.	Carefully place the OPC drum into the drum unit Note: Leave about an inch of the drum axle pulled out at this step

	
39.	Pressing the OPC drum to the drum unit, make sure the PCR shaft seats properly against the PCR contact using a small flat head screwdriver to help seat it
40.	Make sure the PCR axle pin is properly seated, then fully insert the axle into the OPC drum Note: Rotate the OPC drum to align the drum axle pin with the corresponding slot
41.	Secure the rear drum unit cover with three screws using a PH#2 screwdriver
42.	Secure the drum on the axle with a clip using a tweezers to properly place the clip on the axle, then secure the clip using a needle nose pliers
43.	Clean the spacer arm and the drum axle end with a cotton swab
44.	Clean the drum contact with a cotton swab
45.	Apply a small amount of conductive grease on the OPC drum axle end using a toothpick to apply the grease
46.	Reinstall the spacer arm and the OPC drum support plate, then secure it with three screws using a PH#2 screwdriver
47.	Reinstall the drum unit front cover, then secure it with two screws using a PH#2 screwdriver
48.	Make sure the OPC drum rotates smoothly. Set aside the drum unit section for now.
49.	Take the developer unit section and remove the adhesive tape from the developer unit port
50.	Pour the old developer out of the developer unit as much as possible Note: Rotate the mag roller in the opposite direction when pouring
51.	Remove the rest of old developer from the mag roller and the toner port with a toner vacuum, rotate the mag roller while vacuuming *Warning:* *Do not use a conventional vacuum*
52.	Wipe the mag roller surface with a clean, dry, lint free cloth
53.	Wipe the seals under the mylar strips with a clean, dry, lint free cloth
54.	Insert the ends of the mylar strips into the corresponding slots using a tweezers to help insert the strips
55.	Cover the developer unit port with a piece of adhesive tape
56.	Take out the new CET developer
57.	Shake the developer in the bag
58.	Cut the corner of the bag with a scissors
59.	Load the new developer into the developer unit pouring it onto the mag roller and rotating it
60.	Wipe the sealing blade and the plastic guide with a clean, dry, lint free cloth
61.	Rotate the mag roller again, making sure the layer of developer on the mag roller is even
62.	Remove the three screws using a PH#2 screwdriver, then remove the developer unit chip with holder
63.	Take out the new CET developer unit chip with holder
64.	Reinstall the new developer unit chip with holder onto the developer unit, then secure it with

	three screws using a PH#2 screwdriver
65.	Carefully attach the developer unit section to the drum unit section Note: The developer unit drive gear goes into the plastic ring on the drum unit. The hinge prongs on the developer unit go into the hinge sockets on the drum unit. 
66.	Secure the developer unit port to the drum unit section with a screw using a PH#2 screwdriver
67.	Make sure the hinge is properly aligned 
68.	Reinstall the tension springs on both sides Note: The front spring has 90 degree twisted hooks 
69.	Remove the adhesive tape from the developer unit port
70.	To find the components used in this video please visit our web site www.cetgroupco.com