

Konica Minolta bizhub 654 series fuser unit rebuild instructions – English

(see video as well)

Tools and materials needed to rebuild the drum unit

- PH#2 screwdriver
- Small flat bit screwdriver
- Retaining ring pliers
- Needle nose pliers
- Disposable gloves
- Tweezers
- CET products:
 - CET7185 Main Fuser Kit
 - CET7188 Sub Fuser Kit

Step	Instructions
1.	Start with an OEM fuser unit for use in Konica Minolta bizhub C554/C554e, C654/C654e, C754/C754e, C558, C658 and bizhub 554e, 654/654e, 754/754e
2.	Remove the two screws using a PH#2 screwdriver, then remove the side cover
3.	Remove the three screws using a PH#2 screwdriver, then remove the other side cover
4.	Remove the three screws holding the front cover using a PH#2 screwdriver (the screws on the sides are partially threaded mating screws)
5.	Remove the front cover
6.	Remove the two screws holding the fuser unit connector using a PH#2 screwdriver
7.	Disconnect the two small connectors, then release the connectors' wires from the plastic channel
8.	Remove the three screws using a PH#2 screwdriver, then remove the metal support plate
9.	Remove the three screws using a PH#2 screwdriver, then remove the metal support plate on the other side
10.	Unscrew the rotation sensor flag wheel using a PH#2 screwdriver
11.	Remove the arm, the spring and the washer
12.	Remove the white plastic bushing, the arm and the spring on the other side
13.	Remove the tension springs on both sides using a needle nose pliers to help release the springs
14.	Remove the white gear and the long joint pin on the gear side
15.	Remove the short joint pin on the other side
16.	Separate the lower roller section from the heating roller section and set the lower roller section aside for now
17.	Remove the retaining ring using a retaining ring pliers
18.	Remove the two screws and washers using a PH#2 screwdriver
19.	Remove the two screws and washers on the other side using a PH#2 screwdriver
20.	Push out the heating roller assembly bearings using a small flat bit screwdriver to help get the bearings out
21.	Remove the heating roller assembly

22.	Remove the old heating roller bushing on one side using a small flat bit screwdriver to help pry it off
23.	Remove the retaining ring using a retaining ring pliers
24.	Remove the support washer
25.	Gently push the inner foam roller out of the fixing sleeve
26.	Unpack CET Main Fuser Kit CET7185 Lower Picker Fingers Fuser Rollers' Bearings (2 sets of 2 bearings) Lower Roller Bushings Heating Roller Bushings Lower Roller Fixing Sleeve
27.	Take out the new CET fixing sleeve. Wear clean disposable gloves when working with the new fixing sleeve.
28.	Very carefully insert the inner foam roller into the new fixing sleeve
29.	Reinstall the support washer
30.	Secure the support washer with the retaining ring using a retaining ring pliers
31.	Take out the new CET heating roller bushings
32.	Install one of the new bushings onto the heating roller assembly axle on one side
33.	Replace the old bushing on the other side with the other new CET bushing
34.	Reinstall the four washers onto the four screws
35.	Reinstall the heating roller assembly into the heating roller section
36.	Take out the new CET fuser rollers' bearings (one set of 2 bearings)
37.	Install one of the new bearings on one side of the heating roller section
38.	Secure the bearing with two of the screws and their washers using a PH#2 screwdriver
39.	Install the other new bearing on the other side of the heating roller section
40.	Secure the bearing with the other two screws and their washers using a PH#2 screwdriver
41.	Reinstall the retaining ring using a retaining ring pliers
42.	On the lower roller section, remove the tension springs on both sides using a needle nose pliers to help release them
43.	Remove the screw using a PH#2 screwdriver, then remove the two white gears
44.	Remove the retaining ring using a retaining ring pliers
45.	Remove the lower roller drive gear
46.	Remove the retaining ring on the other side using a retaining ring pliers
47.	Remove the lower roller bearings and the washer (just one washer)
48.	Remove the lower roller
49.	Unsnap the lower roller picker fingers from the holders using a tweezers or small flat bit screwdriver to help remove them
50.	Take out the new CET lower roller picker fingers
51.	Snap the new lower roller picker fingers to the holders using a tweezers or small flat bit screwdriver to help snap them back in
52.	Take out the new CET lower roller
53.	Reinstall the new lower roller. The longer shaft of the lower roller must be oriented to the gear side of the lower roller section.

54.	Take out the new CET fuser rollers' bearings (one set of 2 bearings) and the lower roller bushings
55.	Install each bushing into each bearing, then reinstall the bearings with bushings onto the lower roller
56.	Reinstall the washer on the gear side of the lower roller
57.	Reinstall the retaining ring on the non-gear side of the lower roller using a retaining ring pliers
58.	Reinstall the lower roller drive gear
59.	Secure the lower roller drive gear with the retaining ring pliers
60.	Remove the cleaning roller
61.	Remove the cleaning brush roller tension springs
62.	Remove the clip, then remove the cleaning brush roller gear using a small flat bit screwdriver to help pry them out
63.	Remove the clip, then remove the cleaning brush roller bushing using small flat bit screwdriver to help pry them out
64.	Remove the clip, then remove the cleaning brush roller bushing on the other side using small flat bit screwdriver to help pry them out
65.	Remove the cleaning brush roller
66.	Unpack CET Sub Fuser Kit CET7188 Cleaning Roller Bearings Cleaning Roller Bushings Cleaning Brush Roller Bushings Cleaning Roller Cleaning Brush Roller
67.	Take out the new CET cleaning brush roller bushings. Apply a small amount of Permalub G-2 grease (CK-0551) into the bushings prior to installing.
68.	Take out the new CET cleaning brush roller
69.	Reinstall the new cleaning brush roller. The longer shaft of the cleaning brush roller must be oriented to the gear side of the lower roller section.
70.	Reinstall the new cleaning brush roller bushings on both sides and secure them with the clips using a needle nose pliers
71.	Reinstall the cleaning brush roller gear, then secure it with the clip using a needle nose pliers
72.	Take out the new CET cleaning roller bushings and bearings
73.	Install each bushing into each bearing
74.	Take out the new CET cleaning roller
75.	Reinstall the new bearings and bushings onto each end of the new cleaning roller
76.	Reinstall the cleaning roller
77.	Reinstall the bigger tension springs using a needle nose pliers to help hook the springs in place
78.	Reinstall the smaller tension springs using a tweezers to help hook the springs in place
79.	Reinstall the two white gears
80.	Secure the gears with a screw using PH#2 screwdriver
81.	Align the lower roller section with the heating roller section
82.	Reinstall the long joint pin and the white gear on the gear side
83.	Reinstall the short joint pin on the non-gear side

84.	Reinstall the arm and the spring on the gear side
85.	Reinstall the arm and the spring on the non-gear side. Make sure the arm having the sensor flag is installed on the non-gear side
86.	Reinstall the white plastic bushing
87.	Reinstall the tension springs on both sides using a needle nose pliers to help hook the springs in place
88.	Reinstall the rotation sensor flag wheel and its washer
89.	Reinstall the metal support plate on the gear side aligning the posts with the holes
90.	Secure the metal support plate with three screws using a PH#2 screwdriver
91.	Reinstall the metal support plate on the other side
92.	Secure the metal support plate with four screws using a PH#2 screwdriver
93.	Reinstall the fuser unit connector
94.	Secure the fuser connector with two screws using a PH#2 screwdriver
95.	Arrange the wires into the plastic channel, then connect the two small connectors
96.	Reinstall the side cover, then secure it with two screws using a PH#2 screwdriver
97.	Reinstall the other side cover, then secure it with two screws using a PH#2 screwdriver
98.	Reinstall the front cover
99.	Secure the front cover with the two partially threaded mating screws on the sides and a regular screw in the center using a PH#2 screwdriver
100.	To find the components used in this video please visit our web site www.cetgroupco.com