PRE:

[POWERPOINT ANIMATION SET TO NARRATION] The tools you will need for this repair are: A ¼", 3/16", and 5/32" T-handle Allen wrench; A 1/16", 5/64", and 5/32" Allen wrench; an M6 and M2.5 Allen wrench; an M3 Allen driver, a 5/16" nut driver, a T15 Torx wrench, an optional 3/16" Allen driver; and a rubber dead-blow mallet. [CUT TO DEADBLOW MALLET IMAGE]

1. Begin by removing the green belt assembly. Instructions on how to perform this can be found in the Wizard article "Replacing the alignment section," which is either above this video if you're watching it on the iJetColor Wizard, or by clicking on the link in the description.
2. Once the alignment section is gone, remove the main motor by loosening the four 3/16" Allen screws holding it on to the belt bracket. Remove two screws and keep the other two loose, then lift the motor enough to remove the transmission belt.
3. Next, remove the cable from the bottom of the motor by opening the clasp and pulling it off. [FOOTAGE IN QUESTION IS AT VERY END OF PRINPHO]
4. Now, remove the other two screws to finish removing the motor.
5. Remove the end roller bar by removing the two 5/32" Allen screws which hold it to the table.
6. Next, loosen the coupler from the vacuum piping using a 5/16" nut driver and move it out of the way.
7. Remove the two monitors by loosening the thumb screw at the top of the mount in the back, then lifting the monitor out of position and setting it aside. Take note of which cables go where, then, feed those cables back through the tabletop.
8. Next we will remove the monitor arms and keyboard. This can be accomplished by loosening the M6 screw at the back of each arm and then lifting it off of the assembly.
9. Undo the setscrews on the monitor pole using the M3 Allen driver, then unscrew and remove the pole.

10. Next we will remove the printhead mounting arms. This is done using a ¼" T-handle Allen wrench. [SHOW IMAGE OF ARMS WITH ARROWS] Each arm is fastened underneath the table by two ¼" Allen screws at each post. The operator-exit-side arm may be difficult to remove without first removing the vacuum tubes. If it proves too difficult, you may remove the tubes by skipping to the timecode shown on-screen and following the instructions there.
11. Remove the two arms from the table. Make sure to note with arm was on the left, and which was on the right, as their positions affect the alignment of the printhead.
12. Remove the gray vacuum tubes by tapping them with the mallet until they come off.
13. Now we will remove the print platen using a 1/16" Allen wrench. Then we will remove the drip tray, which can be pushed out from underneath.
14. We will now unfasten the tabletop from the chassis. There are 7 screws which hold it down. 4 on the operator side, and 3 on the non-operator side.
15. Once the screws are removed, recruit an extra pair of hands and flip the table over, as shown on screen. Rest it on the frame.
16. From here, we will fully loosen the belt tensioners, using the 3/16" Allen wrench. There is one tensioner at each corner. Only loosen the tensioners enough so that the bearing block bottoms out, and now further.
17. Now we will loosen the encoder attached at the middle of the operator side. This can be accomplished by loosening the collar that separates the encoder from the frame, using a 7/64" Allen wrench.
18. Now we will unscrew the tensioning assemblies from the tabletop using a 5/32" Allen wrench. As the table is now upside down, these are accessed from underneath. There will be 2 screws holding each of the end plates down and 4 screws holding each middle plate down.

19. Once this is done, remove the end tensioners. Take note of the left-hand side tensioner. It has a couple of thrust bearings which aren't present on the right, so we'll want to make sure to keep track of that.
20. Next, we will remove the last screw holding the encoder onto the center tensioner, followed by the other three holding the two long black bars onto the assembly. Note that the screw that holds the encoder on is longer than the other three.
21. Now, lift the central tensioner out of its slot on the tabletop and carefully remove the faceplate from the operator side. The best method for executing this task is to wiggle the plate back and forth so that it slowly moves up the shaft. The two smaller shafts attached to the plate will fall out first, and you should remove them before continuing. The tolerances on these parts are tight, so removing them will be made easier by keeping them as straight as possible whilst removing.
22. Finish removing the face plate from the large shaft by wiggling it the rest of the way off. There may be some difficulty in the final removal. If need be, you can push on one side of the plate, while lightly tapping the other side with the mallet, as seen on screen. With a little doing, the plate will come off. Remove and set aside the thin shafts.
23. Remove the rest of the center assembly and set it aside, then push the bulged portion of the belt back down the center, and gently remove the belt from the tabletop.

    [FADE TO BLACK]

    [FADE BACK IN]
24. Now we will reattach the blue belt. Take a look at the seam on the belt as you put it on. The zig-zag pattern of the seam should end facing towards the right on the operator side, as seen on screen.

25. Gently thread the belt onto the tabletop with one hand while holding the tabletop up with the other.
26. Reattach the center assembly by bulging the belt up through the center of the tabletop, then thread the big shaft through the belt loop you just created. Make sure that only the central shaft goes through the loop, and the two black bars do not. Grab the shaft from the other side of the belt, as seen on screen, and pull it through until the faceplate settles into the slot.
27. Grab the other faceplate and begin threading it onto the shaft. If necessary, you may *lightly* tap the faceplate onto the shaft by tapping one side with a mallet and applying steady pressure on the other side with your hand. Eventually, the shaft should slip onto the bearing.
28. Move non-operator side faceplate out of its slot, then go over to the operator side and begin to reinsert the thin shafts by passing them alongside the bulge in the belt and up through the cutout in the center of the tabletop. From here, thread them into the non-operator side bearings, and once that is done, move the non-operator side faceplate back into its slot.
29. Slide the operator side faceplate in a bit, and line up the two small shafts with the bearings. Get one shaft aligned, then the other, and when they're both on the shaft, wiggle the faceplate til it drops into the slot. If necessary, light tapping with a mallet can be applied after all 3 shafts are started.
30. Following that, roughly center the belt on the shafts. Make sure that on the left side, the two thrust bearings are on either side of the belt.
31. Now we will reinstall the encoder on the operator side of the central shaft, along with the other screws which hold the central assembly together, using a 5/32" Allen wrench. Begin by starting the three shorter screws which hold the black bars onto the faceplate, then thread the encoder onto the shaft and screw it into place using the longer screw which goes through the faceplate and into the black bar behind the faceplate. The longer screw should go through a small

attachment coming off of the encoder. Finally, re-tighten the collar that holds the encoder on the shaft using a 7/64” Allen wrench. Make sure that the collar doesn’t touch the faceplate.

32. Reattach the central tensioner to the tabletop by reattaching the 8 countersunk screws to the faceplates from underneath, using a 5/32” Allen Wrench. Don’t tighten all the way until all of them are started.
33. Now reattach the right tensioner assembly. Recall that the right assembly does not have the two thrust bearings. Thread it through the belt and drop it into the slot. Then, reattach the left tensioner assembly, and make sure that the thrust bearings are places on either side of the belt.
34. Now we will reinsert the screws that hold the left and right tensioners to the table. A good technique to line up the screws is to pull one side of the tensioner towards the end of the tabletop until the holes line up, then start the screw, then repeat the process on the other side of the tensioner. Do this for both the left and the right tensioners.
35. From here, we will tension the blue belt. Alternate tightening the tensioner screws, so that there is never a large difference in tension between them at a given time. Place a 5/16” Allen key at the top of the slot in which the tensioner moves. Then, tighten the tensioner until it just squeezes the Allen wrench. Back it off a little bit, then move on to the other side. Once all 4 tensioners meet the 5/16” criterion, run the belt a bit by hand and verify that the belt doesn’t walk towards one side or the other. It should remain centered. If it does walk towards one side, loosen the opposing side’s tensioner to make the belt walk back.
36. Once the tensioning process is complete, flip the tabletop back over.
37. Reattach the two arms to the tabletop by reattaching the two screws to the bottom of each post from underneath, using the ¼” Allen wrench.
38. Now we will reattach the tabletop to the frame. Push the tabletop around to fit the holes so that the screws go in easily. Do not fully tighten any of the screws until all 7 are started. On the

operator side, start the left screw, then the right screw. If a screw does not fit, maneuver the tabletop by hooking your arm under the mounting arm and maneuvering it around until you can start the screw. Once all 7 screws are started, tighten them down.

39. Now reattach the print platen. Note that the ink reservoir beneath the platen needs to slot into a little pocket between the plates of the tabletop. Once that is lined up, reinsert the screw using a 1/16” Allen wrench.
40. Reattach the monitor mounting pole, including the two setscrews at the base, followed by all of the associated fixtures, then reattach the monitors. Thread the cables up through the tabletop from within the machine and attach them to the appropriate monitors.
41. Now we will reattach the main drive motor. Attach the motor to the bracket from before by inserting one of the screws using the 5/32” Allen Wrench, then doing the same on the other side, and then attaching the rest. Loop the belt around the pullies, then pull the motor down as far as it will go, taking care to make sure that the screws are level with each other, then tighten them down.
42. Reattach the cable to the motor by inserting it into the slot and closing the clasp.
43. Now we will reattach the vacuum tubes. Start by removing the control panel by taking off the 5 screws which hold it on, using a T15 Torx wrench. Once it is off, set it down on the tabletop. Then, once it is out of the way, align the vacuum tubes and gently hammer them into place. Then reattach the tube coupler using a 5/16” nut driver, and reattach the control panel.
44. Now reattach the exit rollers to the tabletop.
45. And finally, fasten the two Phillips heads screws to the exit plate
46. From here, you will need to reattach the alignment section, which can be done using the video which is either included above this video in the iJetColor Wizard, or by clicking the link in the description. The pertinent section begins at 2 minutes and 56 seconds.