

1. With both drawers installed on the cabinet, open the bottom drawer. Apply masking tape on the inside walls of the cabinet to mark off the bottom back corners of the top drawer.
2. Close the bottom drawer and remove the top drawer.
3. Measure the inside of the waste line to determine the amount of overlap of the 1-1/2" wall tube. Cut the wall tube.
4. Slip a 1-1/2" nut (elbow) and a pair of 1-1/2" nut and washer (waste line) onto the wall tube. Insert the wall tube into the waste line. Apply the pair of nut and washer to the waste line but do not tighten completely.
5. Attach the elbow to the wall tube with the remaining 1-1/2" nut (do not tighten).
6. Install the IKEA sink drain parts - metal drain flange, large black gasket and drain pipe - onto the sink. Mark off 1-inch from the end of the drain pipe with a sharpie.
7. Connect the IKEA vertical Y-branch with the drain pipe up to the sharpie's mark. Rotate the drain pipe so that the Y-branch is situated at the back of the cabinet.
8. Attach the IKEA J-bend and 1-1/4" wall tube with the IKEA nut (do not tighten).
9. Hold the J-bend assembly next to the Y-branch and the elbow to determine where to cut the Y-branch and 1-1/4" wall tube. Rotate all the parts if needed to ensure the horizontal sections of the pipes are within the between-the-drawers space (check against the bottom drawer and the masking tape).
10. Detach the Y-branch and 1-1/4" wall tube. Cut them to length.
11. Slip the IKEA nut (J-bend), the 1-1/2" nut and reducing washer (elbow) onto the shortened 1-1/4" wall tube. Insert the wall tube into the elbow and apply the 1-1/2" nut and reducing washer to the elbow (do not tighten).
12. Reconnect the Y-branch to the drain pipe at the sharpie's mark.
13. With one hand holding the top of the Y-branch, rotate the bottom section so that the overflow pipe connection is parallel to the back wall.
14. Slip the IKEA nut and washer through the bottom of the Y-branch. Slip on the J-bend and apply the nut and washer (do not tighten).
15. Attach the 1-1/4" wall tube to the J-bend with the IKEA nut.
16. Halfway tighten all the connections.
17. Reinstall the top drawer. Check that nothing touches the back of the drawers. Make adjustments if necessary.
18. Finish tightening all the nuts and washers including the drain flange in the sink. Make sure nothing touches the back of the drawers.
19. Use a towel or a small piece of sponge to plug the overflow connection of the Y-branch.
20. Lay down towels inside the cabinet and perform a small leak test (yogurt cup amount of water) on the drain pipes. Check all the connections to make sure there is no leaks.
21. Unplug the overflow connection on the Y-branch.
22. Apply a small amount of plumber's putty around the underside of the metal overflow flange.
23. Attach the flange to the sink with the small black gasket and overflow tailpiece per the IKEA instructions.
24. Rotate the ball joint on the overflow tailpiece to position it towards the Y-branch. Connect the tailpiece with the Y-branch per the IKEA instructions. Make sure nothing touches the back of the top drawer.
25. Perform small leak tests on the overflow and the drain pipes. Check for leaks at all the connections.