

Troubleshooting a Dosatron Injector

This Best Practice covers if the medicator is clicking but isn't drawing the solution or if the liquid is going down into the stock tank. You can order maintenance kits for your medicator through your farm's supply order.

NOTE: BEFORE YOU START, MAKE SURE THE UNIT IS CLICKING.



Step 1: Unscrew and remove the stem nut.



Step 2: Remove the stem by grasping and pulling straight down.



Step 3: Next, grasp the plunger and twist it ¼ turns counterclockwise. Pull straight out to remove.



Step 4: Set the Medicator down and inspect the plunger seal for nicks, grooves, or wear.



Step 5: You can also test by taking the stem, inserting the plunger, and pulling it out. It should make a pop sound. If it doesn't make a pop sound or if you see damage, it is time to replace the plunger seal.



Step 6: Now unscrew and remove the check valve nut.



Step 7: Pull the check valve straight out.



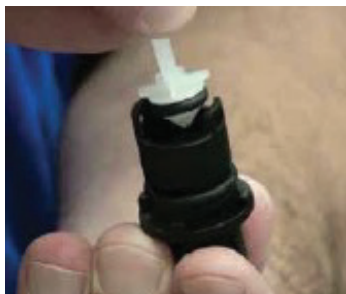
Step 8: Grasp the white retainer and twist it ¼ turn counterclockwise to release the check valve parts. Remove the spring and the cone. Inspect the o-ring and replace it if it's worn or scored.



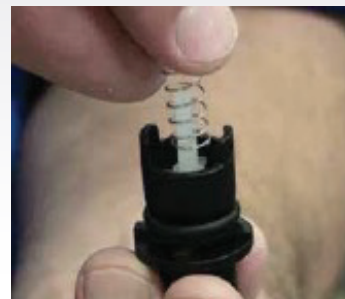
Step 9: Once you have the parts out, ensure they are not damaged, gummy, sticky, or missing. If the parts are dirty, you can reinstall them. If they are damaged or missing, it's time to replace them. Remember to keep these parts clean and in good shape to ensure your check valve will do its job.



Step 10: To reassemble, put the cone back into the check valve.



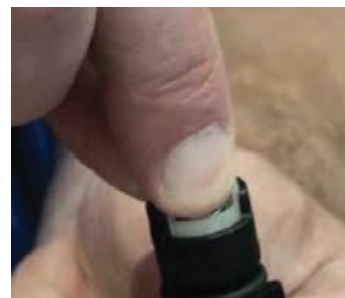
Step 11: Slide the spring over the top of the neck of the cone.



Step 12: Replace the retainer by aligning it and turning it a ¼ turn clockwise to lock.



Step 13: Pull on the top before reinstalling the check valve to ensure it stays together.



Step 14: Reinstall the check valve into the stem.



Step 15: Next, take the check valve nut and thread it back onto the stem. It may be a bit snug, but it will slide out.



Step 18: Now, reinstall the stem.



Step 16: Insert the plunger into the housing, press it in as far as it will go, and twist ¼ turn clockwise to lock.



Step 19: Hand-tighten the stem nut.



Step 17: Test the connection by pushing and pulling the plunger. It should click.



Step 20: Look at the top of the suction tube. If it looks like it flares out, cut an inch or so off and replace it. If the suction tube is cracked, has holes, is rigid, or looks old, replace it.

