



Scan the QR code to watch our D14MZ2 -Troubleshooting video.

#### 800-523-8499

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Proper protection, such as gloves, eye wear, and aprons, are recommended when disassembling a Dosatron.

### D14MZ2 Troubleshooting - Part 1

# This D14MZ2 Troubleshooting will cover: The injector is clicking, but not drawing the solution or liquid is going down into the stock tank.



**Step 1:** While the unit is still installed, turn the water on. Remove the suction hose nut and suction hose.



**Step 2:** Check to see if you feel suction on your finger. If so, just cut 1/2" off your suction hose and reattach.



Step 3: Also, make sure the strainer is clear of debris.



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# D14MZ2 Troubleshooting - Part 1



**Step 4:** If you don't feel suction on your finger turn the water off and release pressure by pressing the air bleed button and remove the Dosatron.



**Step 5:** Unscrew the injection stem nut and pull the stem straight out from the body. Set the nut and stem aside.



Step 6: Unscrew and remove the bell housing.



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### **D14MZ2 Troubleshooting - Part 1**



**Step 7:** Pull the piston out of the body. Set the bell housing and body aside.



**Step 8:** Hold the piston and inspect the plunger seal for nicks, grooves, or wear.



**Step 9:** You can test the plunger seal by inserting the plunger down into the stem. When you pull it out it should make a pop sound. If not, or if you see damage it is definitely time to replace the plunger seal (Part #: J009).



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### **D14MZ2 Troubleshooting - Part 1**



**Step 10:** To change, roll the seal off and install the new one.



**Step 11:** Pick up the black stem, unscrew and remove the check valve nut.



**Step 12:** Pull the check valve straight out. It may be a bit snug, but it will slide out.



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### **D14MZ2 Troubleshooting - Part 1**



**Step 13:** Set the stem aside and grasp the white retainer and twist it a quarter turn counter clockwise to release the check valve parts.



**Step 14:** Once you have the parts out make sure they are not damaged, gummy, sticky, or missing. If the parts are dirty you can just clean and reinstall them (Part #: CLEANSER-ALL - Dosa-Klean). If you see damage or if parts are missing, it is time to replace.

**NOTE:** Remember to keep these parts clean and in good shape so your check valve will do its job and not allow water to go down into the solution tank.



**Step 15:** To reassemble put the cone (Part #: PDI729) onto the top of the barb.



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### **D14MZ2 Troubleshooting - Part 1**



**Step 16:** Next slide the spring (Part #: MDI358) over the shaft.



**Step 17:** Position the top guide (Part #: PDI739) over the shaft. Align the guide and twist it a quarter turn clockwise to lock. Give it a tug to make sure everything is in position.



**Step 18:** Reinstall the check valve assembly into the stem.



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# **D14MZ2 Troubleshooting - Part 1**



Step 19: Reinstall the check valve nut.



Step 20: Insert the piston into the blue body.



Step 21: Replace the bell housing, hand tight.



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## **D14MZ2 Troubleshooting - Part 1**



**Step 22:** Align the notches in the lower part of the body with the teeth on the top of the injection stem assembly.



Step 23: Reinstall the nut hand tight.



**Step 24:** One last thing, take a look at the top of the suction hose. If it flares out cut an inch or so off and reinstall. Or, if the suction hose is cracked, ridged, or looks really old just replace it.



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# **D14MZ2 Troubleshooting - Part 1**



**Step 25:** Thread the suction hose nut onto the suction hose.



Step 26: Slide it onto the barb.



**Step 27:** Hand tighten the nut. Make sure to set your injector to the desired setting.



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# **D14MZ2 Troubleshooting - Part 2**

#### This D14MZ2 Troubleshooting will cover: The injector isn't clicking.



Step 1: Remove the blue bell housing.



Step 2: Pull the piston straight out.



**Step 3:** Visually inspect the upper (Part #: PDI643) and lower (Part #: PDI644) white flanges on the piston shell. If they are worn or have scratches the flanges need to be replaced.



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## **D14MZ2 Troubleshooting - Part 2**



**Step 4:** Another way to check the flanges is by doing a fit test. To test the upper flange invert the piston and insert it into the blue bell housing. It should fit snuggly.



**Step 5:** To test the lower flange remove the plunger by turning it a quarter turn counter clockwise and pulling it straight out.



**Step 6:** Now insert the piston into the body. It should be a snug fit. If either is loose the flanges need to be replaced.



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### **D14MZ2 Troubleshooting - Part 2**



**Step 7:** To replace the flanges grasps and twist counter clockwise. Remove by lifting straight up.



**Step 8:** To reinstall align the tooth inside the flange with the notch in the piston shell. Press it down into place and twist clockwise until it locks.

**NOTE:** The procedure is the same for the top and bottom flange. If anything is damage or missing replace the parts.



**Step 9:** Reinstall the plunger by aligning the top with the retainer. Press it in and turn a quarter turn clockwise to lock.



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# **D14MZ2 Troubleshooting - Part 2**



Step 10: Place the piston back into the body.



Step 11: Reinstall the blue housing hand tight.

**Note:** To watch the video go to Dosatron's video page www.dosatronusa.com/videos.aspx or YouTube Channel www.youtube.com/user/DosatronIntl