



# DOSATRON®

WATER POWERED DOSING TECHNOLOGY



Scan the QR code to watch our D25RE2 - Troubleshooting video.

800-523-8499

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Strap Wrench	TOOL01
Pick	TOOL02
Plunger Seal	J009
Check Valve Seal	J051
Check Valve Assy.	MPDI122
Actuator Spring	M238
Piston Shell	P421
Push Rod O-ring	J020

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

## D25RE2 Troubleshooting - Part 1

This D25RE2 Troubleshooting will cover: The Injector is not drawing the concentrate, but is clicking.



**NOTE:** To service your D25RE2 you will need a strap wrench (Part #: TOOL01) and a small tip Phillips head screwdriver.

**Step 1:** If your Injector is clicking, but not drawing the concentrate, it could be as simple as the strainer is plugged with debris. Take a look at the strainer. If it is clogged, clean it out and re-test your Dosatron.



**Step 2:** If there is still no suction, turn the water on. If the unit is clicking, unscrew and remove the suction hose nut.



**Step 3:** Then, remove the hose.



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## D25RE2 Troubleshooting - Part 1



**Step 4:** Check to see if you feel suction on your finger.



**Step 5:** If you feel suction, just cut a half inch off the top of the hose and reattach. You should see the liquid begin moving up the suction tube.



**Step 6:** If you don't see liquid moving up the tube or you don't feel suction on your finger, turn the water off. Press the air bleed button on the lid a couple times to release the pressure.



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## D25RE2 Troubleshooting - Part 1



**Step 7:** Using a strap wrench (Part #: TOOL01), loosen the lid.



**Step 8:** Unscrew to remove and set the lid aside.



**Step 9:** Grasp the white valve support and pull the piston straight out of the body. Set the body aside.



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## D25RE2 Troubleshooting - Part 1



**Step 10:** Take a close look at the plunger seal for nicks, scratches, or wear. If you see damage or don't remember the last time you changed the seal, just replace it now.



**Step 11:** To replace the seal, pinch and roll it off of the plunger.



**Step 12:** Install the new seal (Part #: J009) into the groove.



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## D25RE2 Troubleshooting - Part 1



**Step 13:** Carefully, insert the piston into the body.



**Step 14:** Replace the lid, hand tight. Your Injector should now be drawing the concentrate. **Step 1:**



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## D25RE2 Troubleshooting - Part 2

**This D25RE2 Troubleshooting will cover: The Injector is pushing water down into your concentrate container, but is clicking.**



If your Injector is pushing water down into the concentrate container, it's time to investigate the check valve.

**Step 1:** To do this, remove the hose nut.



**Step 2:** Remove the suction hose.



**Step 3:** Unscrew and remove the check valve barb (Part #:J051).



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## D25RE2 Troubleshooting - Part 2



**Step 4:** Remove the check valve seal.



**Step 5:** Then carefully pry the check valve assembly down and out of the stem. A small flat blade screwdriver or pick (Part #: TOOL02) will make this easier.



**Step 6:** Inspect the seal (Part #: J051) and the check valve assembly (Part #: MPDI122). If they are dirty, you may be able to soak, brush off, and reinstall. If you see damage or if you don't remember the last time you changed these parts, just replace them now.



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## D25RE2 Troubleshooting - Part 2



**Step 7:** To reassemble, press the new check valve assembly into the stem as far as it will go.



**Step 8:** Place the check valve seal with the groove facing upward into the new barb.



**Step 9:** Thread it onto the white stem and hand-tighten.



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## D25RE2 Troubleshooting - Part 2



**Step 10:** Thread the suction hose nut onto the hose.



**Step 11:** Slide it onto the barb.



**Step 12:** Hand tighten the nut. This should stop the water from dripping back into the stock tank.



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## D25RE2 Troubleshooting - Part 3

This D25RE2 Troubleshooting will cover: The Injector is not clicking.



**Step 1:** If the unit isn't clicking, use a strap wrench (Part #: TOOL01) to loosen the lid.



**Step 2:** Unscrew to remove and set the lid aside.



**Step 3:** Grasp the white valve support and pull the piston straight out of the body.



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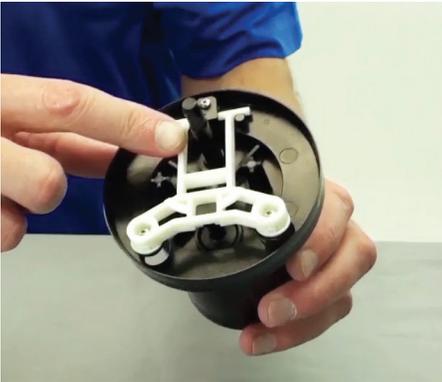
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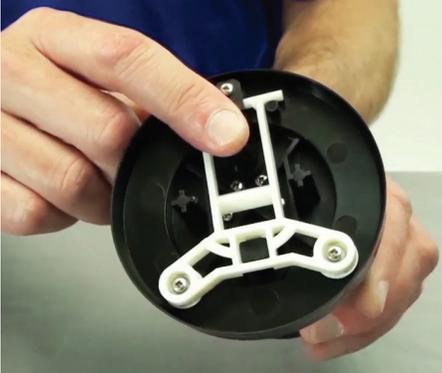
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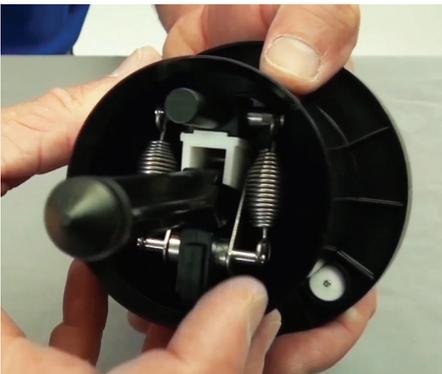
## D25RE2 Troubleshooting - Part 3



**Step 4:** Inspect the white valve support on the top.



**Step 5:** Press the pushrod down.



**Step 6:** Then, check the two actuator springs (Part #: M238) on the bottom. If they are broken or missing, just replace them.



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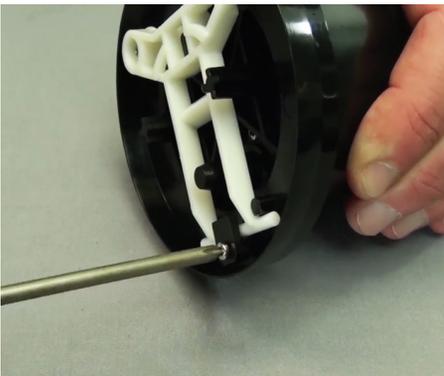
## D25RE2 Troubleshooting - Part 3



**Step 7:** You can visually inspect the upper and lower flanges on the piston shell. If they are worn or have deep scratches, the piston shell needs to be replaced.



**Step 8:** Also, check the piston shell's fit inside the body. To do this, invert the piston and slide it into the body. It should be a snug fit. If it feels loose, the piston shell (Part #: P421) and the push rod o-ring (Part #: J020) need to be replaced.



**Step 9:** To replace the piston shell, use a small tip Phillips screwdriver and remove the valve support screws and plastic retainer.



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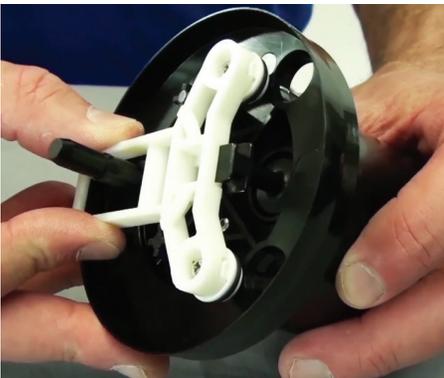
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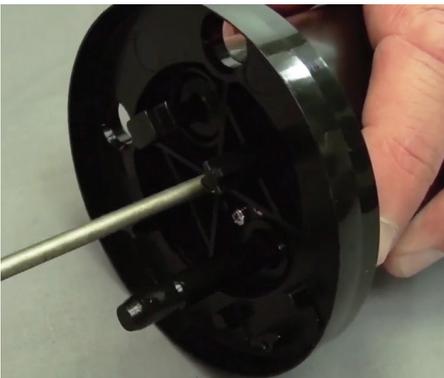
## D25RE2 Troubleshooting - Part 3



**Step 10:** Press the pushrod up.



**Step 11:** Then, slide the valve support off the inlet valve and set aside.



**Step 12:** Next, remove the four screws in the center of the piston shell to release the actuator assembly.



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## D25RE2 Troubleshooting - Part 3



**Step 13:** Pull the actuator assembly out and discard the old piston shell.



**Step 14:** Put the new push rod o-ring on top of the push rod and slide it down as far as it will go.



**Step 15:** Then, position the actuator assembly in the shell as shown and hold firmly.



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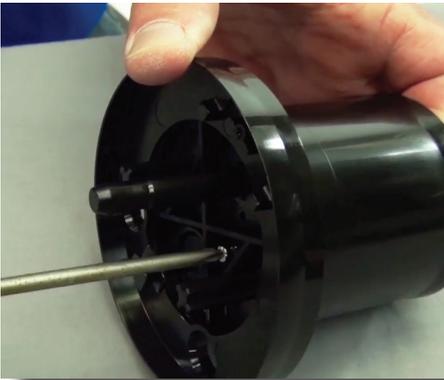
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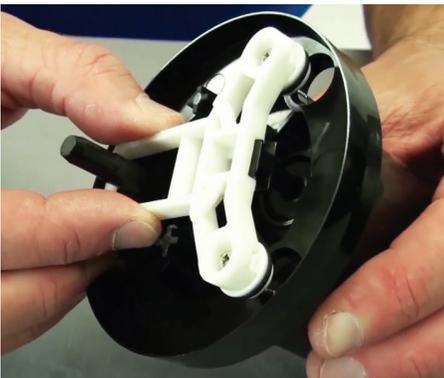
## D25RE2 Troubleshooting - Part 3



**Step 16:** Now re-install the four screws and hand tighten them in a star pattern.



**Step 17:** Press the white plastic portion of the actuator side to side. If there is movement, re-tighten the screws.



**Step 18:** Reinstall the valve support by sliding it onto the inlet valve.



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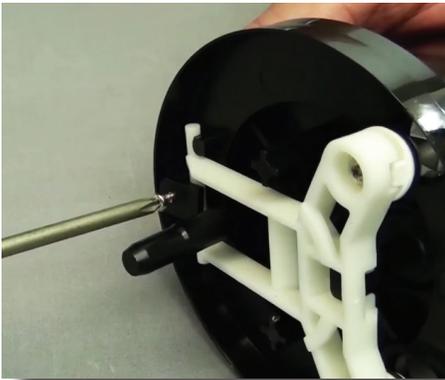
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## D25RE2 Troubleshooting - Part 3



**Step 19:** Next, position the retainer and hand tighten the screw.



**Step 20:** Test the piston, by pressing the pushrod from the top and bottom, it should click each time.



**Step 21:** Insert the piston back into the blue body.



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## D25RE2 Troubleshooting - Part 3



**Step 22:** Hand tighten the lid. The Injector should now be clicking and drawing concentrate.

To learn more, scan the QR codes below for more information.



Scan the QR code to go to Dosatron's video page.



Scan the QR code to go to Dosatron's YouTube Channel.