



# Troubleshooting Documentation

## JDS LPR (Freestyle)

Thank you for purchasing a JDS LPR regulator. In this document, you'll find some basic troubleshooting steps to resolve problems you may have installing your JDS regulator. An installation document can also be found on our web site, in the support section. We recommend consulting that document before proceeding with these troubleshooting steps. Should this document fail to resolve your issue, please contact STD Industries via the contact information shown at the bottom of this page.

### Important Notice Regarding HE Bolts

3-15-05

It has been brought to our attention that some JDS users are experiencing compatibility problems with the HE bolt. The issue stems from the JDS LPR not being able to supply the pressure required by some HE bolts (160+ PSI). This does not affect all HE bolts.

Included with all JDS Freestyle LPR's shipped after 3-15-05 is a heavier main spring. HE bolt users who find they need a higher pressure, will need to swap out the main spring already installed in the regulator. To do this, de-gas the gun, remove the adjuster cap (illustration 1), and replace the main spring. Customers who purchased their reg before 3-15-05 can contact STD Industries for a heavier spring, if needed.

**NOTE:** These steps should only be performed by persons familiar with the repair and function of pneumatic components. If you are not one of these people, do not attempt these steps. Instead, contact STD Industries for assistance. Always use eye protection when working on pneumatic components. Keep parts pointed in a safe direction, away from yourself and others.

**Problem:** Air is leaking through the adjustment cap.

**Solution:** (Refer to illustration #1) De-gas the marker, then remove the adjustment cap from the regulator. Remove the main spring. With a pair of needle-nose pliers, carefully remove the main piston. It should require little to no force to remove the main piston. Inspect main piston o-ring for damage. With the piston removed, and the JDS LPR installed on your marker, air up the marker. This will help to seat the reg pin. If successful, no air should be leaking from the front of the LPR. If no air is leaking, de-gas the gun, then reassemble the JDS LPR. Re-grease the main piston with Dow 33 grease, if necessary.

**Problem:** JDS regulator is not regulating pressure.

**Solution:** Included with your JDS regulator is a small -010 o-ring (see bottom right image). This o-ring is used to seal the JDS regulator to the marker. The o-ring should rest in a depression on the back of the regulator. Use some Dow 33 grease to keep the o-ring in place during installation.

**Problem:** Marker appears to cycle slowly.

**Solution:** The JDS LPR pressure is set too low. To properly set the JDS, increase pressure until solenoid begins to bleed off, then reduce pressure until leaking stops.

**Problem:** Bolt seems to stick, or shots appear too weak.

**Solution:** Decrease LPR pressure (see pressure adjustment diagram). Use small adjustments (1/4 turns), cycling marker between adjustments.

**Problem:** Bolt does not cock all the way back.

**Solution:** Increase LPR pressure (see pressure adjustment diagram). Use small adjustments (1/4 turns), cycling marker between adjustments.

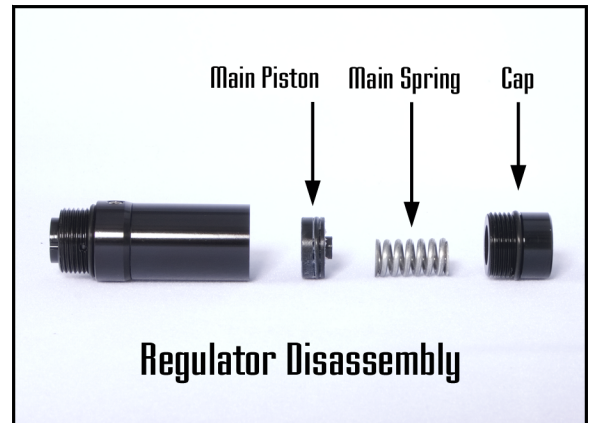
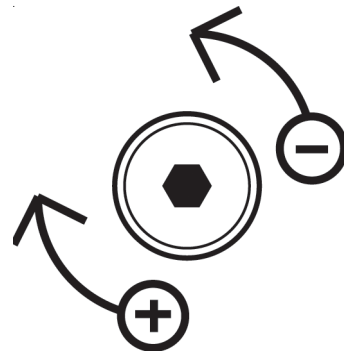


Illustration #1



Pressure Adjustment Diagram

Adjustment  
Point



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