



# Installation Instructions for the JDS LPR (Matrix)

Thank you for purchasing a JDS LPR regulator. In this document, you'll find installation instructions and answers to frequent questions. Should you have any trouble with installation, please contact STD Industries via the contact information shown at the bottom of this page.

## Parts List

- (1) JDS LPR for the Matrix
- (1) -009 O-ring (Buna)

## Installation Instructions

The JDS LPR is a drop-in accessory for the Dye Matrix. The only required tool for installation is a 5/32" allen wrench, used to adjust the pressure of the LPR. In some cases, a strap wrench may also be required to remove the old LPR.

Once you've removed your LPR, inspect the LPR cavity in the marker for debris. Remove debris if necessary. Place the -009 O-ring, included with the LPR, on the top of the JDS adapter (see illustration 1). Holding the JDS LPR upright, so that the o-ring does not slip, screw the JDS LPR into the body of the marker. You can use a bit of Dow 33 grease to hold the o-ring in place while you're installing the JDS regulator. Take care not to over-tighten the regulator--hand tightening is sufficient.

With the JDS LPR installed, air up the marker, listening for leaks. Leaks may occur if the -009 O-ring is not in the proper position, or if the JDS LPR is not screwed in completely.

The JDS LPR is set at approximately 80 PSI at the factory. To adjust pressure, use a 5/32" allen wrench on the allen hole located on the front of the regulator. To increase pressure, turn the allen wrench clockwise. To decrease pressure, turn the allen wrench counter-clockwise (see pressure adjustment diagram on right).

To set your LPR pressure, follow the instructions outlined in the Matrix manual. Dry-fire marker between adjustments to determine if marker is cycling properly. Use small adjustments until desired pressure setting is achieved.

## Common Questions

### What is the silver set screw for?

The silver set screw is used to seal an air passage. It serves no other function, and should not be removed.

### Should the JDS LPR be lubricated?

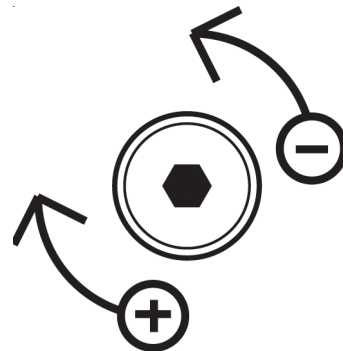
Yes. You can re-grease the main piston, using Dow 33. To remove the main piston, unscrew the adjustment cap, then remove the spring. The main piston can be removed using a pair of needle-nose pliers. Use care when removing. No other parts need re-greasing.

### Is the JDS LPR rebuildable?

Yes, though it should be rebuilt only by an authorized STD technician. Some components are under pressure, even when the regulator is not connected to an air source. Injury may result if serviced by the user.



Illustration #1



Pressure Adjustment Diagram



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