

Checking or replacing the One-Way Valve on the Fuji HVLP Spraygun

The One-Way Valve is located on the spraygun. It is the small plastic part with clear tubing attached to either end that connects between the spraygun body and top of the paint cup. This tube and valve should never have fluid in it. If it does you should replace it. Cleaning the valve is not usually successful and depending on the solvent used you could melt the valve. Before replacing a contaminated valve it is best to check the needle seal for wear, it is possible the seal is out of adjustment and is letting fluid leak into the body of the Spraygun. Replacing the One-Way Valve without properly adjusting the needle seal will almost surely contaminate the new One-Way Valve. Please consult your manual, Fuji Industrial Spray, or us for help in adjusting the needle seal.

The valve's purpose is to let turbine air from the gun down into the paint cup to pressurize it but not let anything go back in the other direction.

To check this valve first mark or notate the upper section of tubing, so you remember which side is up. Normally the small section of tubing is the side that connects to the spraygun body. Then disconnect the tube from the gun and the paint cup. Blow into the upper section of the tube. You should be getting air out the bottom end. If air does not come out the bottom the valve is bad or has been reversed. Now try blowing through the bottom section of tube. You should not get air to flow in this direction. If you do get air out the top, the valve is bad or has been reversed. Remember the valve should only let air pass in one direction.

If installing a new valve you will need to first verify which way the air flows. Use the above method to determine this. New tubing is supplied with each valve and again the smaller section of hose normally connects to the spraygun body.

Please note when using a remote cup, or gravity feed cup the One-Way Valve is not used. The port on the Spraygun body should be blocked with the little black rubber cap that was supplied with the remote cup, or gravity feed cup. If you have lost this little cap and don't have time to order one from us, check your local hardware store. They may have an assortment tray of these types of rubber caps, hopefully with a size close enough to work.

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