

PAUL MASTERS SPRAY GUN REPAIR

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PERIODIC MAINTENANCE By Paul Masters

Last August I spent four days in Anaheim, California at the International Woodworking Fair (IWF) demonstrating how to maintain a spray gun. Hundreds of finishers and refinishers came by my booth to watch me go through the steps I show in this article for keeping a spray gun operating at peak efficiency.

I've been cleaning and rebuilding spray guns since 1975, so it didn't come as a complete surprise to hear the furniture and cabinet guys tell me exactly what I've heard for years from the automobile refinishers, "When my spray gun doesn't work properly anymore, I toss it under my bench and buy a new one."

Tools Required:

**"Spray Gun Solutions" "Master 2000" Maintenance Kit
"Klean Strip" #11026-Kit
"SAS Safety Corp." safety glasses #5340
"SAS safety Corp." #6552 (med) gloves
A "WELL" ventilated area !**

Procedure:

**I chose the "Binks BBR" gun for this article because of its popularity in woodworking.
The "HVLP" model is maintained the same way.**

I suggest this procedure once a week. Start by soaking the air cap, fluid tip, baffle & needle

In the “Klean Strip” for minimum of 1 hour. Remove & rinse with water & blow dry.

Cleaning solvent hinges on the product being used.

- 1- Start by brushing the outside of the air cap using the “GP” brush.**
- 2- Locate the needle in your “7 piece needle set” that fits the air holes in the face of your air cap & make sure they are open.**
- 3- Locate the appropriate brush in your “5 piece mini brush kit” clean the center hole of the air cap (fluid passage).**
- 4- Using the same kit clean the air horns of the cap (front & back)**
- 5- Use the “3/16 end brush” to clean the inside of the fluid tip.**
- 6- Using the “5 piece mini brush kit” clean the needle seat (center hole) of the fluid tip.**
- 7- The same kit is used for cleaning all the air holes in the fluid tip.**
- 8- & 9- A brush in the same kit is also used to clean all the air holes in the baffle (front & back). Wipe your needle & lubricate.**

You are now ready for reassembly. Be sure to lubricate the needle packing, air valve & trigger stud. The best time for this procedure is a Friday afternoon so your equipment is ready for use at the start of the week.

Be sure to watch for our up coming instructional video entitled “How To Master Your Spray Gun” by Paul Masters due to be released Dec. 2001.

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