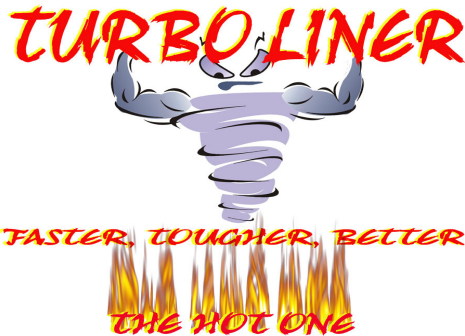


Turbo News

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Gun and Gun Cleaning Issues For The Probler & Probler P2

Problems that get over looked during the cleaning process!

The following letter contains information on issues that we have ran into with a few customers and the A-Side block assembly.

As you may or may not know there are a couple of areas on the check valve assembly that seal the side wipe seal. The first being the facing surface of the side wipe it's self as seen below. Notice the light and dark spots on the surface. The light spots are normal wear, the dark spots are from two possible things. The first being a bur on the mixing chamber (mixing chamber must need to be dressed up with 1000 grit sand paper on a piece of glass) this can scratch the side wipe surface causing it to leak as soon as the manual fluid valve it turned on. The side wipe surface must be smooth and flat against the mixing chamber in order to seal when the trigger is not being pulled. Figure 1 shows a dark scratch that runs from the center hole to the outer edge of the side wipe surface. Keep in mine the material will flow to the point of least resistance. If there is a scratch along the side wipe surface this creates a path for material to travel.



Figure 1

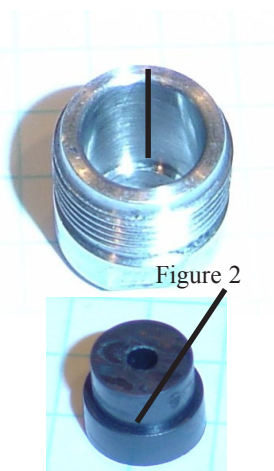


Figure 2

The second thing you must look at is the check valve nut.

The nut assembly is pretty basic right, well it's not. In order for the side wipe to seal first it (the side whip seal) must be seated all the way into the nut assembly if it is not you will have a leak as soon as you turn on the manual fluid valve. Figure 2 shows the second sealing surface of the side wipe seal. These surfaces must be free and clear of all debris no exceptions. If you have even the smallest speck of material that gets into this area and you assemble the gun **YOU WILL HAVE A LEAK** as soon as you turn on the manual fluid valve.

The last and final thing is the A & B-Side blocks

Clean the threads good so there won't be a problem cross threading when you install the nut assembly. You should also check for any cracks at the top of the threaded opening on both the A & B-Side blocks figure 3. Do not clamp either block in a vice this will distort the side blocks causing sealing and surface matching problems.

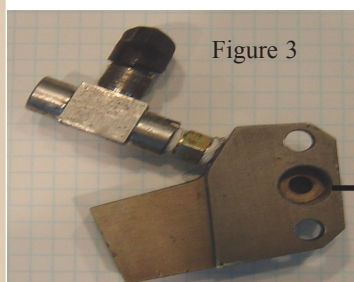


Figure 3

*If You Can Imagine
It We Can Coat It.*

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A-Side Gun Screen

Standard Probler Gun

There are 4 parts in the standard Probler gun A-Side screen assembly figure 1.

- 1- The screen/filter housing
- 2- O-ring Seal
- 3- Screen
- 4- C-clip

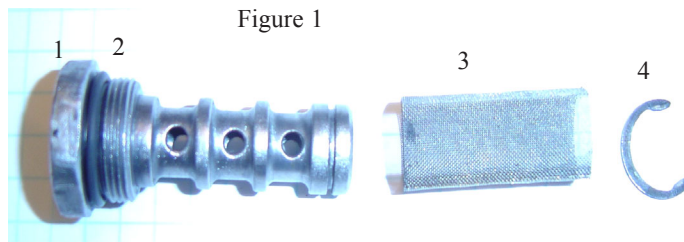


Figure 1

When cleaning the screen assembly you must first remove the assembly from the A-Side block using a boxed end wrench. Once removed you must pull the c-clip off the screen housing, this will enable you to remove the screen itself. Once

the screen is removed you can soak it in gun cleaning solvent while you proceed. You next need to understand how the screen assembly works. The material enters the screen housing through the screen on the outside of the housing shown in figure 1 item 3. The material then travels through the 6 holes (3 on each side) on the side of the screen/filter housing and out through the end hole figure 2. If you have any obstructions either in the housing or the screen you will not get complete material flow. This would be called an obstruction.

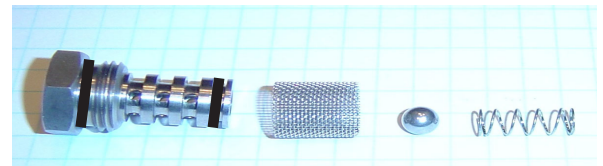


Figure 2

Probler P2 Gun

There are 6 parts in the P2 A & B-Side screen assembly figure 3

- 1- The screen/filter housing
- 2- O-ring Seal
- 3- O-ring Seal
- 4- Screen
- 5- Check Ball
- 6- Check Ball Spring



The Probler P2 Gun screen assembly may look a little different but the same principle applies for material flow. The material flows in through the screen on the outside of the housing as shown in figure 3 item 4. The material then flows through the 12 side holes on the side of the screen/filter housing and out through the end hole figure 4. Neither the Standard Probler or Probler P2 guns are hard to work on but if they are not maintained and cleaned properly it can create down time and added costs not to mention frustration. Keep in mind these guns are tools of the bedliner business.

A CLEAN TOOL IS A HAPPY TOOL!



Figure 4

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