



RF 100 Primer Filler

Instruction Manual, May 2007



RF 100 Primer Filler



Primer Filler Units & Conversions

- Large Primer Filler, #97077
- Small Primer Filler, #97111
- Large Conversion, #17902
- Small Conversion, #17903

General Information

Your primer filler is shipped ready to fill either large or small primers. If you are going to load small primers or standard large, then your machine is ready to load, right out of the box. NOTE: Remington primers require the use of the 'B' stabilizer plate (#17295). **Large magnum rifle** primers require an adjustment. (see section **Large Magnum Rifle** on page 5)

The primer filler machines come color coded: red components for large primers, blue components for small primers.

Fig. 1

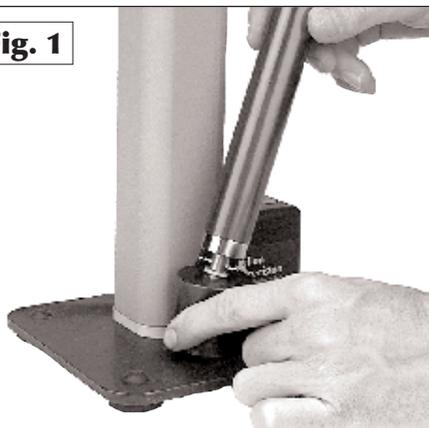
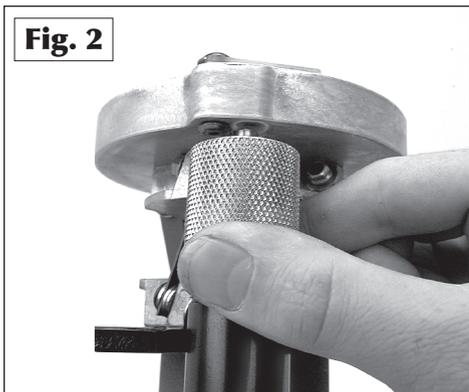


Fig #1 Insert the "clip end" of the colored filler tube into the base, then press

Fig. 2



down.

Fig #2 The top of the colored tube will locate in the colored plastic adapter.

Operation: Plug your primer filler into a 110 volt AC power supply/generator. The power is turned on by the red rocker switch on the cord.

Fig. 3

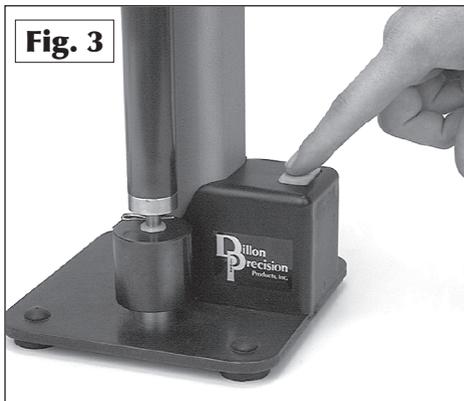
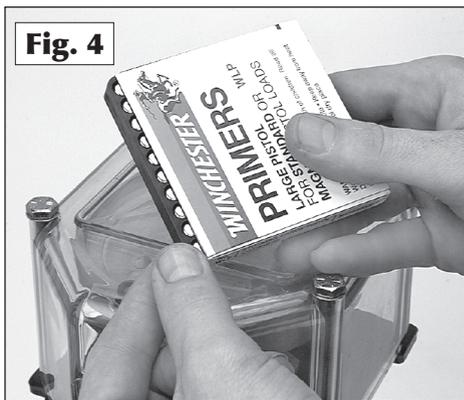


Fig #3 Now that the power has been turned on, each time the blue button is depressed the machine will run for two minutes and then shut off. If there are still primers remaining in the bowl after the two minutes have elapsed, all you need to do is press the blue button again.

Loading Primers

Fig. 4



1. **Fig #4** Slide the cardboard jacket back so that one half of the first row of primers is visible.



2. While pressing down on the plastic tray with your index finger, slide the cardboard jacket off. **Fig #5**



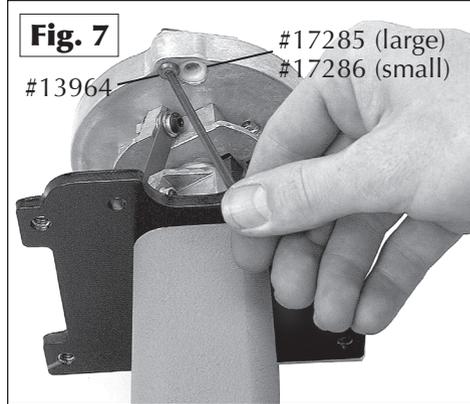
3. Lift up the plastic tray. **Fig #6**
 4. Press the blue button.

Now that your first tube is filled, go ahead and fill the primer magazine on your reloading machine, and replace the filler tube. Repeat steps 1-4.

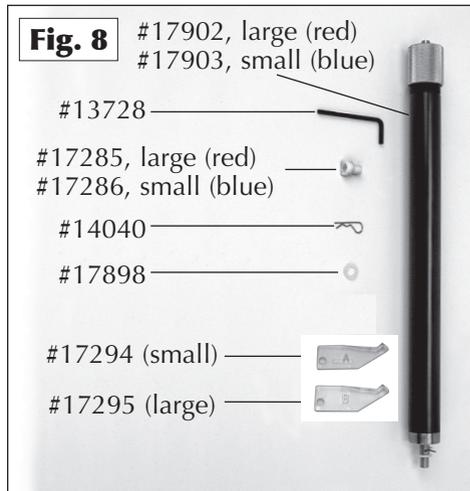
Begin reloading. While you are loading your ammo, the primer filler is filling the next tube.

Changing Primer Sizes Changing Adapters

Using a 7/16" wrench, remove the four bolts (#17894) that hold the clear protective cover. Set the cover aside.



Next, using a 1/8" Allen wrench, remove the adapter screw (#13964) and then the colored, plastic adapter (#17285 large, #17286 small). **Fig #7**



In your change-over kit you will find a colored filler tube, a plastic adapter, and stabilizer plate (#17295 comes only with the large kit). **Fig #8**

Tighten the adapter screw (#13964) until it contacts the plastic feed adapter, then back it off .040", or the thickness of a dime.

**Fig. 9**

Adjusting the Stabilizer Plate Small to Large

If you are changing from small to large pistol you will need to loosen the stabilizer plate screw. **Fig #9** Place one upside-down primer on the ramp in front of the stabilizer plate using an Allen wrench. Place the primer under the stabilizer plate – the primer should fall off of the ramp and fall to the bottom of the bowl. If the primer only falls partially out, you need to increase the distance between the stabilizer plate and the edge of the bowl. Now, retighten the stabilizer plate.

Large to Small

If you are changing from large pistol to small, you will need to loosen the stabilizer plate screw. **Fig #9** Place one upside-down primer on the ramp in front of the stabilizer plate using an Allen wrench. Place the primer under the stabilizer plate – the primer should fall off of the ramp and fall to the bottom of the bowl. If the primer only falls partially out, you need to increase the distance between the stabilizer plate and the edge of the bowl. Now, retighten the stabilizer plate screw.

Large Magnum Rifle

NOTE: Large magnum rifle primers are .010" taller than other primers. If you are setting up to load with large rifle magnum primers, you will need to locate the "B" stabilizer plate (#17295). Using a 1/8" Allen wrench, remove the stabilizer plate screw, **Fig #9**, and the "A" stabilizer plate (#17294).

Install the "B" stabilizer plate. Place one upside-down primer on the ramp in front of the stabilizer plate using an Allen wrench. Place the primer under the stabilizer plate – the primer should fall off of the ramp and fall to the bottom of the bowl. If the primer only falls partially out, you need to increase the distance between the stabilizer plate and the edge of the bowl. Tighten the stabilizer plate screw.

Replace the clear protective cover.

Maintenance

Warning: Keep your filler bowl clear of primer residue. Clean with alcohol any time you see color (yellow, red, green, etc.). This is residue of the explosive mix used in the primers. If allowed to accumulate, this residue might cause an explosion. Your Dillon auto primer filler is well armored to protect the user against injury, but it would be foolish to test its capabilities.

Troubleshooting

Always make sure that you are using the correct adapter, stabilizer plate and filler tube.

Problem: *The primers fall through the tube and spill onto the bench.* Check to see that the hitch pin clip is installed.

Problem: *I press the blue button and nothing happens.* Make sure that the machine is plugged into a 110 volt AC power supply, and also that you have switched the rocker switch (on the cord) to the "on" position.

Problem: *Primers are flipping over and/or jamming going into the colored adapter.* See the chart on page 6 to verify that the correct parts are being used for the primer size being loaded.

Continued on page 6...

Troubleshooting continued...

Problem: *The machine 'picks-up' speed during operation, or vibrates so violently that primers are thrown out of the bowl.* Readjust as follows: tighten the screw that holds the feed adapter (**Fig #7**) until it contacts the plastic feed adapter, then back it off .040", about the thickness of a dime. If it continues to flip primers, back this screw out in 1/4-turn increments,

testing after each adjustment.

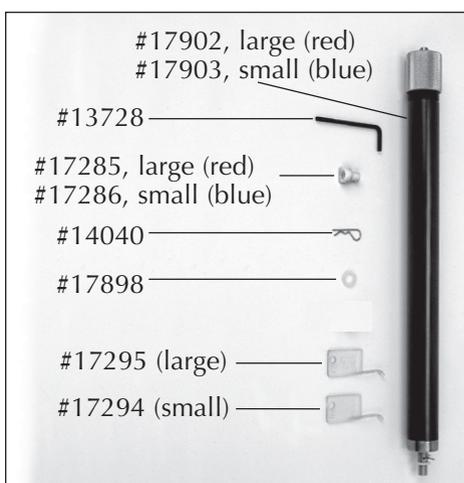
The feed adapter is designed to float. When allowed to move, the adapter absorbs some of the vibration. When the screw is too tight, all vibration transfers to the bowl causing it to become violent and throw primers out of the bowl.

Primer Filler Parts List

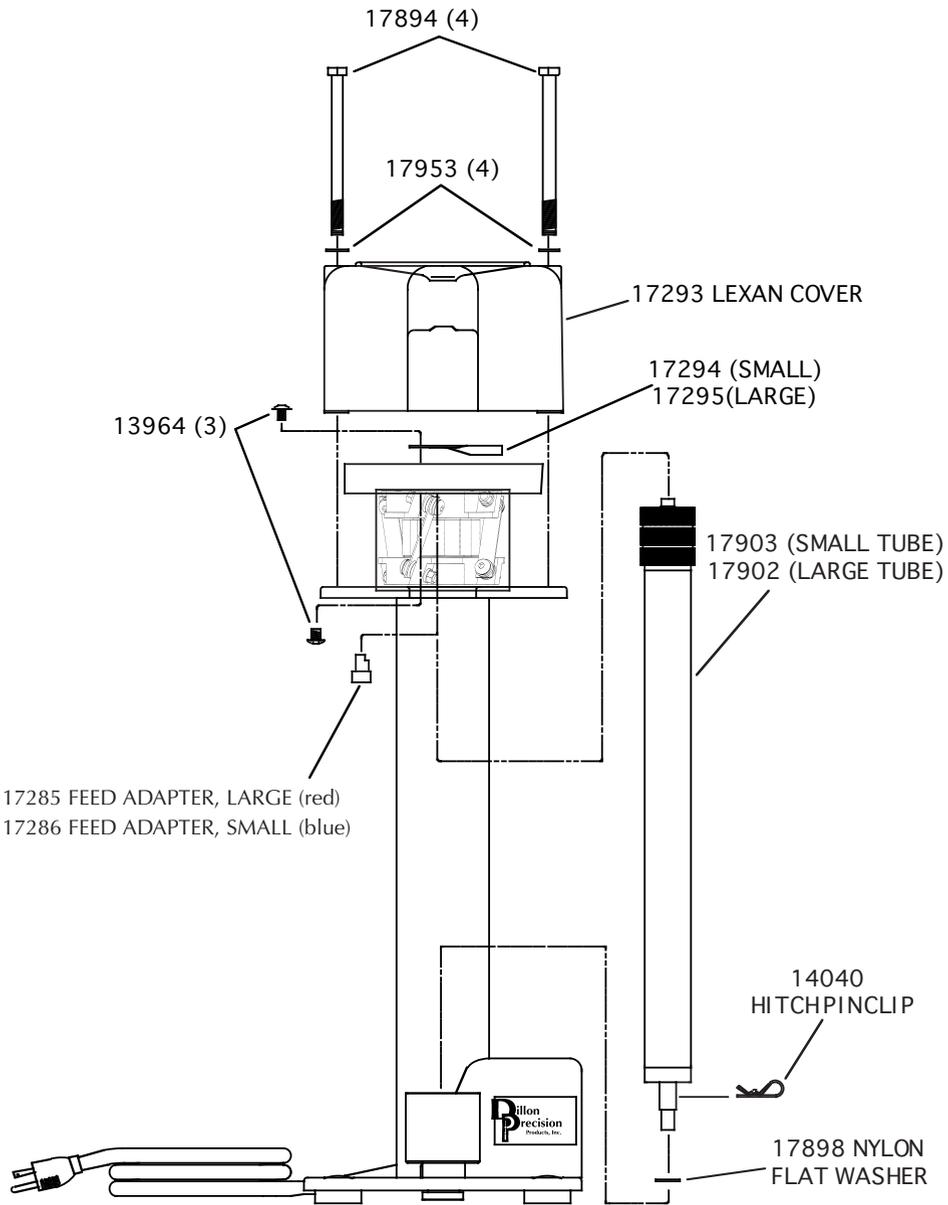
Part #	Description	Part #	Description
13728	1/8" Short Arm Allen Wrench	17898	Flat Nylon Washer
13964	10-24x1/4"	17900	Foam (Top And Bottom Set)
14040	Hitch Pin Clip	17902	Filler Tube, Large (red)
17285	Feed Adapter, Large (red)	17903	Filler Tube, Small (blue)
17286	Feed Adapter, Small (blue)	17904	Box (W/ Label)
17293	Lexan Cover	17953	1/4" Yellow Washer
17294	Stabilizer Plate, Small		
17295	Stabilizer Plate, Large		All electrical/electronic components in Dillon equipment are covered by a one year warranty.
17894	1/4-20x3 1/2" (Grade 8) Bolt		

Parts Chart by Primer Size

Primer Size: Small (All Types)
 Stabilizer Plate: A - #17294
 Colored Adapter: Blue - #17286
 Primer Size: Large Pistol/Rifle
 Stabilizer Plate: A - #17294
 Colored Adapter: Red - #17285
 Primer Size: Large Rifle Magnum
 Stabilizer Plate: B - #17295
 Colored Adapter: Red - #17285



Primer Filler Schematic





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