

Setting Up Your Dillon Precision Auto-Center Decapping Die



You'll need a 1" open-end wrench, a 3/32" Allen wrench, a 5/32" Allen wrench, and some fired cartridge cases with the spent primers still in place.

Raise the platform (or lower the toolhead) all the way. Screw the Decapping Die into the station until the Nose Piece – NOT the Shuttle – bottoms out on the shellplate.

Back off the Decapping Die 1/4 to 1/2 turn and then tighten the die lock ring with a 1" wrench. Test fired cases to ensure they're decapped.

At this point, if you'd like to adjust the amount of "pop" the Decapping Die uses to eject the fired primers, you can do that by using a 3/32" Allen wrench to loosen the set screw on the side at the top of the die, enabling you to screw the hex screw in the center at the top of the die in or out to adjust the amount of "pop." Tightening ("rightly tighty") this screw decreases the amount of "pop," loosening ("lefty loosey") the screw increases the amount of "pop."

Too little pop could result in some primers sticking to the decapping pin and being drawn back into the cartridge case.

Too much pop could mean that the aggressively ejected spent primer could end up bouncing into places you really don't want it to go! (Tip: Wear safety glasses!) So, test while you're adjusting the amount of pop to see what's best for you.

Standard vs. Small Decapping Pins

You may encounter some international rifle cartridges that have non-standard (i.e. "small") flash holes that will cause standard decapping pins to break. For that reason, we have small decapping pins available (**Part #11055**).

Changing Decapping Pins/Alignment Rod

If a decapping pin breaks, unscrew the Popper Cap from the top of the die, remove the Upper Spring, and extract the Guide Rod/Decapping Pin assembly. There are flats on both the Guide Rod and Decapping Pin that enable you to unscrew the Decapping Pin from the Guide Rod. Use the Pin Wrench (**Part #10977**) included with the Auto-Centering Decapping Die or a 5mm open-end wrench. Use a drop of **BLUE** Loctite® when replacing the decapping pin.

If the Guide Rod is bent, you may replace it using the same procedure as above.

Dillon Precision Products, Inc.

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Auto-Center Decapping Dies/ Replacement Parts



Standard Auto-Center Decap Die	10650
Large Auto-Center Decap Die	10651
DP POP Pin Wrench	10977
DP POP Upper Bolt (5/32" Hex)	10981
DP POP Upper Bolt Set Screw (3/32" Hex)	10982
DP POP Decap O-Ring	10983
DP POP Popper Cap	10984
DP POP Decap Upper Spring (1")	10985
DP POP Guide Rod Retainer	10986
DP POP Guide Rod Retainer SCHS	10987
DP POP Standard Popper Guide Rod (4")	10988
DP POP Large Popper Guide Rod (5")	11046
DP POP Decapping Pin, Regular	10989
DP POP Standard Popper Upper Body (2")	10990
DP POP Large Popper Upper Body (4")	11047
DP POP Standard Popper Shuttle Spring (3-1/4")	11041
DP POP Large Popper Shuttle Spring (5-1/4")	11050
DP POP Threaded Die Body	11042
DP POP Standard Popper Shuttle (1-1/4")	11043
DP POP Large Popper Shuttle (1-1/2")	11051
DP POP Shuttle Bushing	11044
DP POP Steel Lock Ring	11045
DP POP Decapping Pin, Small	11055
DP POP Decapping Pin, Regular, 3 Pack	10145
DP POP Decapping Pin, Small, 3 Pack	11055
DP POP Decapping Pin, Regular, 50 Pack	10542
DP POP Decapping Pin, Small, 50 Pack	10543

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