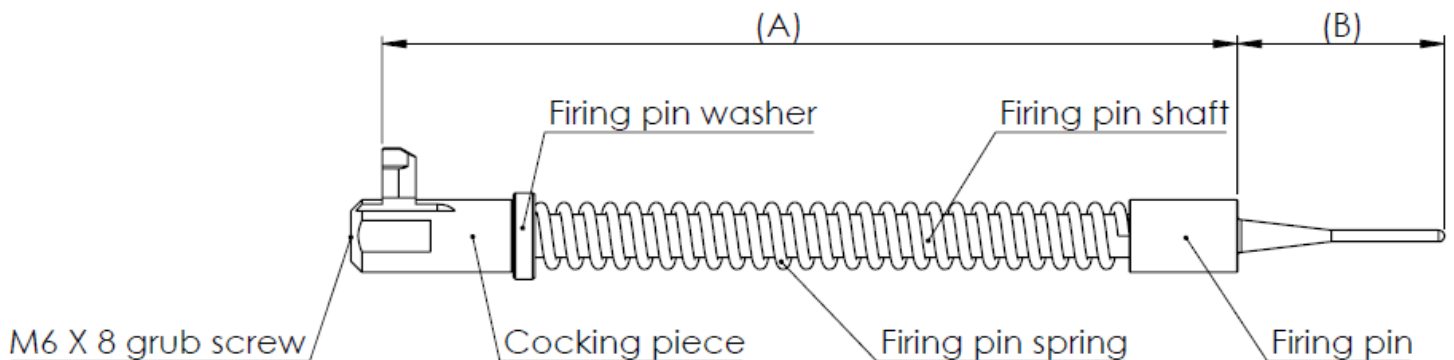


Barnard Firing Pin's for Barnard Target Action



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Measurement details for each firing pin model as below; -

Action Models	Measurement (A)	Measurement (B)	Pin Tip Protrusion Length from bolt Face
P, P (Dovetailed) & PC	123.0mm to 123.1mm	28.9mm	0.055 to 0.060 Inches
PL, PLM & P-CHEY	138.0mm to 138.1mm	28.9mm	0.055 to 0.065 Inches
GP	Approximately 181.0mm	57.55mm	0.070 to 0.080 Inches
S, SC & SM "308"	115.1mm to 115.2mm	28.65mm	0.055 to 0.060 Inches
S & SC 223	115.1mm to 115.2mm	28.9mm	0.055 to 0.060 Inches

Disassembly instructions for replacing the Firing Pin Spring

- Start by removing the firing pin out of the bolt. This is done by removing the threaded bolt cap from the end of the bolt body. Remove the firing pin from the bolt body and slide the shroud off the cocking piece. This will leave you with the firing pin as seen in the above picture.

- securing the firing pin tip in a vice. Heat the Cocking Piece up with a lighter flame, to around 140c or until smoke starts to come out of the end of the cocking piece.



- With a 4mm Allan Key Remove the M6x8mm Grub Screw (anticlockwise rotation). Please note, extra heating may be needed if the grub screw is still locked up. do not heat to over 300c.



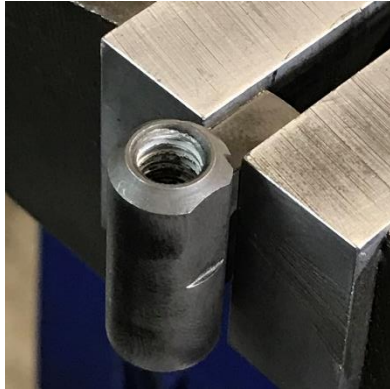
- After the cocking piece has cooled down undo anticlockwise with an adjustable wrench. Be careful while taking the cocking piece off as the spring will still have tension and will push the Firing Pin Washer and Cocking Piece off the firing pin shaft and can be lost.



- Blow the Threaded hole of the cocking piece out.



- Check that the now springless firing pin shaft threads into the cocking piece smoothly, if not then
 - o Secure the cocking piece in a vice or grips as below; -



- o Using an M6 x 1 tap, re-thread through the hole to clear out any Loctite still in the cocking piece threaded hole.



- o Once this is done blow the hole out again and re check the cocking piece on the firing pin shaft.

THE FOLLOWING STEPS WILL REQUIRE A SINGLE STAGE LOADING PRESS

- Insert a .30 Cal shell holder on the loading press shaft.



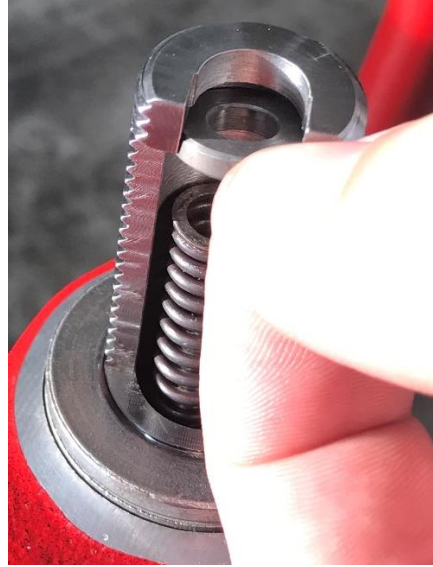
- Screw the striker press tool into the die holder of the loading press.



- Slide the replacement striker spring over the firing pin shaft.
- Insert the striker pin with spring up into the striker press tool and then allow the firing pin tip to rest on the .30 Cal shell holder (with the long part of the tip sitting down through the primer hole of the shell holder)



- Hold the firing pin washer onto the recess of the striker press tool while gently loading the spring up against the washer, retaining it in place.



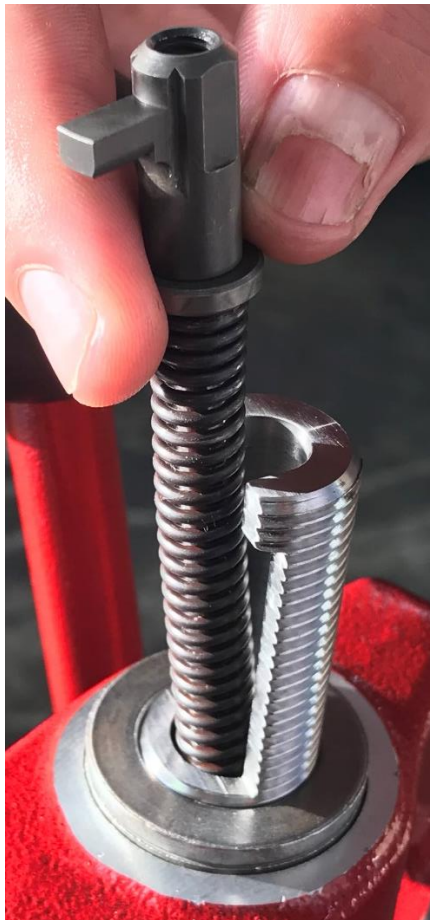
- Ensure the firing pin spring, washer hole and shaft align.



- Compress the striker spring until the threaded shaft protrudes about 10mm above the washer, be careful not to over compress the spring.



- Screw the cocking piece onto the firing pin shaft in a clockwise direction and remove the secured firing pin assembly from the loading press.



- Measure the overall distance (a), as seen in the firing pin details section. Adjust the overall length by rotating the cocking piece clockwise to shorten or counter clockwise to lengthen the overall length.