

Grand Masters, L.L.C.

D.B.A. as Power Custom

29739 Hwy. J • Gravois Mills, MO 65037

Ph: (573) 372-5684 • Fax: (573) 372-5799 • e-mail: randallpower123@yahoo.com

Smith & Wesson Hammer Nose/Firing pin Kit.

By Power Custom

Spring loaded, longer hammer nose provides a consistent, more positive ignition, with the lightest hammer tension allowing for a lighter, smoother action.

Manufactured by wire EDM and CNC precision milling processes, with quality controlled heat treating from S7 tool steel. The hammer noses are machined, not stamped. This heat treating process is equivalent to RC45. Designed to be tough and provide a long service life. This kit includes hammer nose, spring and hammer nose rivet. Generally, normal replacement is all that is needed. Some factory variations may require minor fitting (see instructions). Drop in after possible modifications (if required). Designed for Smith & Wesson center fire models K, L & N. Manufacture of the short actions started in 1945 and continued until the factory changed to the (1997 post up grade) current models that have the frame mounted round firing pins.

Smith & Wesson Hammer Nose Kits.



P-1-01 S&W K Frame (Model 10, 12, 13, 14, 15, 64, 65, 66 etc.)

P-1-02 S&W L Frame (Model 681, 586, 686 etc.)

P-1-03 S&W N Frame (Model 24, 25, 27, 28, 29, 629, 657, etc.)

Smith & Wesson Hammer Nose Rivet (only). CNC manufactured steel that exceeds original factory specs

P-1-04 Rivet (only) that is supplied for above hammer noses. Precision made ready to replace the factory rivet.

Hammer Nose spring (only).

P-1-05 Spring (only) for the above hammer noses.

S & W Longer Length Firing Pins for (post 1997) current factory versions of J, K, L, N, and X frames.

Material is S7 tool steel, heat treated, in the white.



P-2-01 Frame mounted round Firing Pin.

Note: With some gunsmith skill, these hammer noses can be altered to work in older models of solid frame design (not top break) double action revolvers. Models like .38 Military & Police, 38 S&W, Victory model and British. Some manufactured as early as 1899, these models are known as long - slow actions. Use corresponding frame size (See fitting instructions).

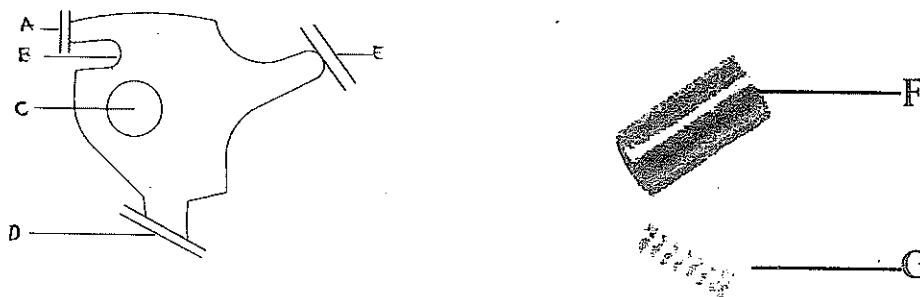
All Hammer noses are warranted against breakage.



*Old World Craftsmanship Coupled With Modern
Technology and Design Produces The Finest Custom Revolvers*

General Information

All hammer noses/firing pins have to have free movement. The hammer nose spring applies light downward pressure on the hammer nose, keeping it from possibly striking the frame window at the 12 o'clock position. As the hammer nose enters the firing pin hole of the frame, it will generally lightly touch the bottom of the firing pin hole at the 6 o'clock position. Then as the hammer goes forward, the nose will enter the firing pin hole in the frame with very little resistance. For the center fire revolvers, firing pin protrusion should be a minimum of .045", and a maximum of up to .062". The optimum firing pin protrusion should be .050 - .055". Due to manufacturing tolerances and variations of models, we can not guarantee that they will work in 100% of the revolvers made from 1945 to the current date without gunsmith modification. Frame mounted firing pins are re-designed for center fire only, but they will work on rim fire models, (post 1997). Since these calibers have less headspace, the length has to be modified so the firing pin will not strike the rear of the chamber. They will not work on the pre 1997 frame mounted firing pin models.



Hammer Nose

- A. Fitting area that limits upward vertical movement on hammer nose. Alter only if the nose strikes the firing hole at 6:00 o'clock, NOT allowing the hammer to travel all the way forward with out binding. It will touch at 6:00 o'clock because of being spring loaded. It should have free movement with just the spring tension holding the nose down so it does not strike the frame at 12:00 o'clock at the fall of the hammer.
- B. Pocket for spring. Use only the spring supplied with hammer nose kit.
- C. Rivet pivot hole. Rivet has to be free in hole to allow nose to move freely vertically.
- D. Fitting area that limits downward vertical movement of hammer nose.
- E. Hammer nose protrusion. Measured from the face of the frame to the end of nose. See above general information for specifications.
- F. Pivot Pin
- G. Spring.
- H. Frame mounted firing pin for Post 1997 models.

Removal of the old hammer nose is accomplished by driving the rivet out with a drift punch (smaller than 1/8th inch) 7/64ths inch is ideal size. Remove all burrs in hammer nose slot so hammer nose has free movement in slot. To install hammer nose, use clear grease (petroleum jelly) to control the handling of the spring (G). Place spring in pocket (B), place hammer nose/spring in hammer. Align pivot hole (C) with hole in hammer. Drive pivot pin (F) in all the way (flush with sides of hammer). Check to be sure the nose has free vertical movement with the spring tension holding the nose downward.

Only install hammer assembly in frame. Push hammer forward checking to be sure the hammer nose is not binding any where as the hammer is pushed all the way forward. The nose should protrude through the face of the recoil shield of the frame for proper protrusion. See specifications in general information. Make all modifications that are necessary for proper functioning of hammer nose. Freedom of vertical movement is limited by point (A & D). Protrusion point (E) if length of nose has to be altered, be sure to keep the nose full size diameter, round, polished smooth on the end that contacts the primer. After all is correct, the last thing that is done is to expand the pivot (F) with a center punch on each side and be sure it doesn't protrude above the sides of the hammer. Recommend the use of the Power Custom Pin Punch block that has a mounted center punch that allows both sides to be expanded at the same time. Job should be complete and ready for test firing.



H

Frame mounted (post 1997) firing pin (H) is removed by removing the revolver side plate, cock the hammer, and remove the internal firing retaining pin (use long nose pliers). Take care to not lose the firing pin return spring. Install the new firing pin, (part number P-2-01), return spring, and the keeper pin. Check for freedom of movement and protrusion. If necessary adjust the length of the nose for proper protrusion. See the hammer nose general information for dimensions.