



S&W Adjustable Rear Installation

Tools Needed:

1/16" Roll Pin Punch | Nylon Punch | Hammer | Degreaser | Pliers | Q-tips | File | Screwdrivers
| Staking Tool | Vice | Gun Grease (optional) | Plastic Bag (optional)

Included Components:

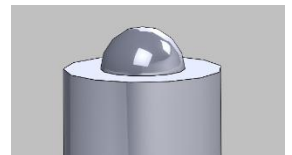
Front Sight | Rear Sight | Windage Nut | Windage Screw | Threadlocker

Before installing or adjusting your sights, unload and check to ensure the firearm is unloaded.

Pre-drilled Front Sight:

We recommend removing the cylinder completely, see the owner's manual for instructions but be careful not to lose any of the components since some of them are held in place under spring tension.

1. Place the barrel/frame into a padded vise.
2. Determine which size of sight retaining pin your pistol has. Using too large a punch can lead to damaging your pistol and breaking the punch off in the barrel.
3. Using the correct size pin punch, begin striking the factory pin out to either side.
 - a. **Note:** Roll pins conform to the area where they are installed so this can be tight.
4. Once the pin is removed, remove the factory sight by taking the nylon punch and placing it on the face of the sight body and giving it a good strike forward, then move to the back of the sight and give it another good strike rearward. Repeat this process until the sight comes off.
5. Once removed there may be lint/fuzz/dust/dirt/carbon under the front sight. Degrease the front sight slot with Q-tips and degreaser.
6. Insert the tip of the correct size roll pin into each side of the revolver sight base to determine which side it was drilled from at the factory. The looser side should be the installation start side.
 - a. **PRO TIP:** The drill starting side will be a looser tolerance than the opposing side.
7. Once the installation start side is identified, test fit the front sight into the slot.



8. If the sight does not fit into the slot, take some material off the tab with a small file. (Tab highlighted blue on the right.) Take caution to only allow the file to touch the tab of the front sight. File 1-2 times and repeat the same number of strokes on the opposing side, then check fitment. Continue test fitting and filing until the sight can seat fully into the slot.
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9. Once the sight has been seated into the slot, verify that the holes are aligned using the correct size pin punch to ensure it will protrude on the other side of the revolver.
10. If you cannot insert the punch through both sides the holes are not aligned. If close, open the hole on the sight with a small rat tail file. If there is a big difference in the holes, contact our customer support team for an oversized version. Call (888)-744-4880 or email tech@xssights.com.
11. Once alignment is verified, remove the punch and sight and degrease the slot and tab of the front sight.
12. Next apply 4-5 drops of thread locker to the cross-pin location of the slot.
13. Seat the sight all the way into the slot and clean up the excess thread locker with a Q-tip. If no thread locker was squished out apply a couple more drops to ensure you have full coverage in the slot.
14. Use the pin punch to verify that the holes are aligned after the thread locker has been applied.
15. Now take the factory roll pin (or replacement pin) and install from the direction that was determined as the entry hole on **step 6**. The pin should go through with minimal resistance and should sit flush or just below flush.
16. Allow the thread locker to cure for 15 minutes then come back and wipe away the excess with a Q-tip. Allow a full cure time of 24 hours before handling or shooting.
17. Wipe sights down with protective oil in a light coating to prevent potential rust issues.

Adjustable Blade Rear Sight:

18. Remove the complete rear sight and place the leaf stem in a smooth-jawed vise.
19. Using a screwdriver that perfectly fits the windage screw slot, turn clockwise as far as possible until the windage screw breaks.
20. Slide the blade to the left and unthread the windage nut.
21. Remove the screw head; take care to capture the detent spring and plunger from the screw head.

- a. **PRO TIP:** If you have a zip lock bag big enough to get both hands and the assembly in to do this, it can keep these tiny parts from disappearing.
- 22. Hold the XS sight blade in your left hand and thread the windage screw approximately $\frac{3}{4}$ " from the right side.
- 23. Insert the plunger and spring into the screw head.
- 24. Compress the plunger with your fingernail and carefully turn the screw until the plunger is trapped under the bottom of the sight slide.
- 25. Push the slide assembly into the rear sight slot from the right.
- 26. Using a forked windage nut wrench, thread the windage nut until it is just snug.
- 27. Once snug, back off the nut just a fraction of turn. Assembly should be tight but not so tight as to prevent you from being able to turn the screw, but not so loose that assembly can now wiggle back & forth in housing.
- 28. Using a staking tool, stake the end of the windage screw. The stake marks should align with the slots in the nut.
- 29. Turn windage screw in each direction and look at the nut to ensure that it is staked and moving WITH the screw. Align and re-stake if needed.
- 30. Re-install rear sight onto revolver and center rear blade in housing.
- 31. Wipe sights down with protective oil in a light coating to prevent potential rust issues.

Need replacement parts? We recommend:

[Brownells](#) Part #s – Windage Nut 940-051-070, Windage Screw 940-071-880, Plunger Spring 940-036-390, Plunger 940-071-580