



Cylinder & Slide, Inc

245 East 4th Street
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Smith & Wesson Revolver Class

This class provides a hands-on learning environment which teaches professional pistolsmithing theory and techniques needed to service, maintain, and tune a Smith & Wesson Revolver. Students receive instruction covering the basic operation of the revolver, the function of each part and its relationship during the firing cycle. Students will learn how to properly return a worn revolver to proper service specifications. Some of the more common custom modifications will be performed.

Subjects to Be Covered

- 1) Shop Safety
- 2) Introduction to the Smith & Wesson Revolver
- 3) Inspection of the Revolver
- 4) Disassembly
- 5) General Repair to Factory Tolerance (including)
 - a) Correcting Endshake
 - b) Correcting Cylinder Timing
 - c) Fitting Oversize Cylinder Stops
 - d) Straighten Yokes and Ejector Rods
- 6) Single and Double Action Trigger Tuning
- 7) Front and Rear Sight Replacement
- 8) Custom Modifications
 - a) Barrel Crowns
 - b) Barrel Throats/Forcing Cones
 - c) Yoke Detent Ball Installation
 - d) Chamfering Chamber Mouths
 - e) Radius and Polishing Trigger
 - f) Overtravel Stops
 - g) Removing Hammer Spur (Optional)

Please note that this class is developed around being able to do work without a lathe. Some aspects of revolver work cannot be performed in the class room. The following subjects will be covered by classroom lecture.

1. Installing new barrels/setting barrels back to correct cylinder/barrel gap
2. Correcting Headspace
3. Correct Cylinder Face Runout
4. Full Moon Clip Conversions

School Requirements

Students are required to provide the following. Please bring these items with you the first day of class:

1. Safety glasses with side shields
2. Mini Mag flashlight
3. Shop towels (Minimum 4)
4. Black or Red permanent magic marker

Variable speed Dremel or Foredom tool with 1/8" collet. We highly recommend the Dremel 4000 Variable Speed Tool. It is comfortable to hold and runs extremely smooth. (If you are using a tool with a flex shaft you must bring a tool hanger so you can hang your power tool. The stand needs to clamp to the bench.) **Please NO Battery Powered or Chuck Collet Dremel Tools in class.**

The following pricing does not include transportation, lodging or meals.

Tuition and tool rental for classes in Fremont, NE is \$2,400.00

Tuition and tool rental for classes taught elsewhere is \$2,600.00

The Class Parts package is \$250.00. You will purchase all parts for class from Cylinder & Slide.

The class is based on doing the work to an S&W M686 4" or 6", 6-shot (New Style with frame mounted firing pin) Revolver which you can purchase from C&S. The Revolver will have to be transferred to a FFL in your state. As an option, students can provide their own handgun for class as long as it is a 6-shot, New Style Revolver with frame mounted firing pin. Students can provide a M686, M625, M627 or M629 with prior approval.

A \$500.00 deposit is required to secure a class spot which is due at time of class sign up. We will need to have final payment before class starts. You can make payments monthly so as not to hurt the pocketbook all at once if desired.

Cancellation/Refund Policy

If you are unable to attend and cancel more than 30 days from the start of the class we will refund all but \$100.00 of your total deposit.

If you cancel in less than 30 days of the course starting date, your initial \$500.00 deposit on the course fee will not be refundable. This is for the simple reason that it becomes extremely difficult to fill class slots on such short notice.

Tools and Parts Are Subject To Change without Notice