

Services and Rates Effective October 2025

General Repair

- Standard shop rate of \$75/hour is charged for completion of repairs.
- Consumable costs for some services will be assessed if necessary.
- If it's determined that a firearm cannot be repaired to a functional and safe condition, the customer will be notified.
- Customers will be notified if major parts are required and if part costs exceed \$100, a deposit for the cost of parts and shipping will be required prior to ordering.

Some common repair categories include:

- Repair/correct cartridge feed, extraction and/or ejection
- Repair/replace/manufacture damaged or missing parts
- Smooth and tune firearm action¹
- Identify cause and correct firearm firing and/or safety issues
- Installation of customer specified aftermarket parts²
- Trigger/firing system adjustment/tuning
- Install aftermarket trigger assemblies
- Removal of obstruction from barrel or chamber
- Lap Barrel
- Install pre-threaded and chambered or short-chambered barrels³
- Repair/Tune Flint and Percussion locks
- Repair/Tune single or double set trigger systems
- Assembly and finishing of muzzleloading rifle kits

1. This consists of de-burring and removing factory manufacturing marks from contact regions of a firearm's action and polishing contact surfaces to a high finish. In some cases, it may be necessary/desirable to replace factory components to improve function of firearm. Shop rate does not include the cost of aftermarket or replacement parts.
2. Shop rate does not include the cost of aftermarket or replacement parts. At this time, I do not thread rifle/pistol barrels for the installation of muzzle breaks or suppressors, however I will fit and install muzzle breaks or suppressors on a pre-threaded barrel that a customer provides and torque to the required specifications.
3. Does not include cost of barrel or polishing/bluing (if necessary). I do fit and install drop in, or gunsmith fitted aftermarket barrels for pistols.

Firearms Cleaning

- Standard Inspect, Test and Determine if service needed ¹ - - \$65
 - Full Disassemble, Detailed Clean and Oil ² - - \$85
 - Barrel Detail (for extensive fouling/rust in barrel/receiver) ³ - - \$75 - \$150
 - Conservation Cleaning – Starts at \$130
1. This is standard charge of firearms requiring inspections for function or repair. Note: on truly filthy, gummed up actions where the cause of malfunction cannot be determined, an additional \$20 cleaning charge is assessed.
 2. Firearms are completely disassembled (except for manufacturer permanent assemblies), cleaned of all grime, residues and surface rust, each part is inspected for damage/wear, parts are lubricated, and firearm is reassembled, tested for function and safety. Scope or holographic sight lenses are not cleaned or repaired in any way.
 3. Occasionally Barrels and chambers are heavily encrusted with fouling, rust, or occlusions that cannot be removed by standard cleaning practices. Additional time, approaches, and materials are required to return the barrel/chamber to effective function. Pre- and post-cleaning bore and chamber borescope images will be recorder for customer review. Does not include the charges for the Standard or Full Disassemble Clean and Oil service.
 4. Conservation cleaning is typically conducted on older antique, vintage, collectible arms. Careful assessments are made of the entire firearms condition, noting any areas of damage or decay. Firearms are typically fully disassembled to abate any rust or other decay between the metal and wooden components of the arm. These rust abatement procedures often refresh original blued surfaces to near original finishes. All cleaning is done with non-damaging materials and any damage warranting repair (based on the owner's instruction) are repaired maintaining period accuracy and are reversible. Final treatments of wood and metal components applied to resist further decay are typical museum conservation grade materials.

Scope/Sight Mounting

- Mount and bore sight rifle scope/optics ¹ - - \$45
 - Mount and bore sight pistol scope/optics ¹ - - \$45
 - Align crosshairs and/or Boresight already mounted scope - - \$15
 - Replace handgun sights ² - - \$40
 - Install colored front sight inserts - - \$65
 - Replace shotgun bead(s) ³ - - \$25 - \$45
 - Drill and tap shotgun or rifle receiver for Scope/Red Dot bases ¹ - - \$20/hole
 - Range sight in (customer supplies ammo) ⁴ - - \$50
1. Does not include cost of scope, mounts or rings.
 2. Some handgun sights are factory installed using press fits with hydraulic presses! (e.g. Kimber) These require considerably more time and effort to remove, a \$20 additional charge is assessed in these instances. Note: in some instances, the original sights must be cut/destroyed in the process of removal.
 3. Does not include cost of beads/sights.

4. Firearm optics will be target sighted to specified range (25, 50, or 100 yds). Client must provide their desired ammunition. Please note customer must fine tune the sighting in of their firearm to achieve optimal accuracy and reproducibility based on their own shooting style, stance and abilities.

Stock Repair, Replacement, Refinishing.

- Repair of broken stocks ¹ - - Standard shop rate \$75/hr
- Replacement and fitting factory stock ² - - \$65
- Inletting, shaping, bedding semi-inletted stock ^{2, 6, 11} - - Starts at \$250
- Hand Oil Finish custom or semi-inletted stock ¹² - - \$300
- Strip and refinish (Hunter Grade) 1 piece or 2 piece stock ^{3, 5} - - \$200
- Strip and refinish (Gunsmith Grade) 1 piece or 2 piece stock ^{4, 5} - - \$250- 350
- Adjust length of pull and install new recoil pad ⁶ - - \$75
- Fit and install adjustable recoil reducing systems (e.g. Gracoil, etc.) ⁶ -- \$150-185
- Refresh/recut worn checkering ⁷ - - Simple pattern \$95-120/panel, complex panel \$175-200/panel
- Checkering new/unchecked stocks ¹³ - -Shop rate \$75/hr
- Two-point bedding of action to stock ⁸ - - \$150
- Full action bedding of action to stock ⁹ - - \$200
- Full length barrel and action bedding - - \$300
- Free float barrel and seal barrel channel - - \$150
- Install Pillar beds ¹⁰ - - \$135
- Install sling swivels ¹¹ - - \$40

1. If possible, repairs will be made such that refinishing of stock will not be required, however some cases will require the additional costs of stock refinishing.
2. Does not include the cost of stock.
3. For Hunter Grade finish, the stock is stripped, sanded, and refinished with multiple coats of a satin oil-based finished. Dents and scratches are not removed.
4. For a Gunsmith Grade finish, the stock is stripped, all dents and scratches are removed or minimized as much as possible. Stocks are sanded to a minimum 320 grit and pores are sealed. Wood receives a hand rubbed oil finish to a satin or high luster (client preference).
5. Some gunstocks are manufacturer finished with various forms of polyurethane or epoxy-like sprays or dips (e.g. Japanese-made Brownings, Weatherby, etc.). These finishes often chip and flake and are a bear to remove so a \$65 surcharge is applied for these types of stocks.
6. Does not include cost of recoil pad.
7. Only hand or rotary cut factory checkering can be refreshed. Stamped checkering as seen on some economy level rifles and shotguns ⁷ cannot be refreshed. Areas of checkering that have been excessively worn and abraded may not be recoverable.
8. Two-point bedding will address the recoil lug recess and forward action screw region and extend approximately 1 inch forward of the end of the receiver and well as the contact region of the rear action screw.
9. Full action bedding includes the stock-action contact areas extending approximately 1" forward of the end of the receiver through the contact region of the rear action screw.
10. Does not include the cost of the pillars.
11. Does not include the cost of swivel sets.

12. Custom made stocks or unfinished semi-inletted wood stocks will receive a Gunsmith Grade finish (see 2 above).
13. Applying new checking panels is time consuming precise work. All work is performed with hand tools. On average simple patterns take 4 – 5 hrs/panel and complex patterns may take 6-9hrs/panel.

I do not routinely offer spray polyurethane, marine epoxy, or painted finishes.

Metal Repairs, Refinishing and Bluing

Hot caustic bluing is the standard metal finishing method used by the firearms industry. **I no longer perform this service in-house**, however I have contracted with an excellent bluing service that specializes in this process. I will disassemble and ship the components requiring bluing to them. After the finished items are returned, I reassemble and perform function and safety checks on the firearm. The estimated pricing below reflects my labor and the cost for this service. Consumable materials costs and Shipping/Insurance costs are not included in these estimates:

- Bolt action rifle or shotgun (Hunter Grade) ¹ - - \$250
- Bolt action rifle or shotgun (Gunsmith Grade) ² -- \$290
- Pump action or automatic Rifle or Shotgun (Hunter Grade) ^{1,3} - - \$270
- Pump action or automatic Rifle or Shotgun (Gunsmith Grade) ^{2,3} - - \$330
- Lever action rifle/ shotgun (Hunter Grade) ^{1,4} - - \$300
- Lever action rifle/shotgun (Gunsmith Grade) ^{2,4} - - \$375
- Revolver or semiautomatic pistol (Hunter Grade) ¹ - - \$245
- Revolver or semiautomatic pistol (Gunsmith Grade) ² - - \$285
- Slow Rust Bluing - - \$500 and up (see below)
- Cerakote - - See below.

1. For a Hunter Grade finish, surface rust and existing bluing is removed from all originally blued components and blued using a hot caustic bluing process. Note: parts do not receive extensive polishing and scratches and pits in the metal surface are not addressed.
2. For a Gunsmith Grade finish, existing bluing, rust, scratches and pits removed from all originally blued components. Metal surfaces are polished to a 320-400 grit luster and blued using a hot caustic bluing process. Note: It may not be possible to remove deeply eroded pits and scratches from heavily damaged surfaces. Badly rusted firearms requiring beyond the standard amount of polishing will be assessed additional charges by the bluing service.
3. Some early shotguns such as the Browning A5, its offspring, the Remington Model 11, Mauser rifles and other firearms from the mid-20th century were highly complex with a many small parts requiring greater disassembly and handling time. These firearms will be assessed a \$50 additional charge for services.
4. Winchester lever action rifles manufactured between 1961 and 1981 have MIM (metal injection molding) produced receivers. Due to the alloy composition, binders and flow components added to the steel in this process, these receivers cannot be blued using the standard caustic bluing chemicals. Additional charges will be assessed by the bluing service for these firearms.

Note: Both the Hunter Grade and Gunsmith Grade finish can be had in a non-reflective Matte Finish great for hunting or "tactical" arms at no additional cost. Any firearm

component that comes in for refinishing that already has matte surfaces will have those surfaces finished in this same manner.

Slow Rust Bluing is a historical process by which the steel surfaces were blued before the advent of high temperature caustic bluing method was developed for mass production. This process is time consuming and can take up to 2 weeks to complete once started to get the desired luster and color. Double guns typically have soldered barrels that cannot be blued using hot caustic bluing. These firearms were originally slow rust blued and the result is a deep, translucent blue, as was seen on these fine old guns. Many of the premier rifle smiths of the past century, such as Adolf Niedner and others, produced their masterpiece firearms using this centuries-old method...it's my personal favorite as well!

- Preparation of metal components and performing Slow Rust Bluing - - \$500 and up.

Cerakote is a ceramic based finish that is available in myriad colors and patterns, but certain colors such as Elite Blackout are a spot-on match for the hot caustic blue finish used by manufacturers since the 1940's. It is a great option for firearms that have aluminum components, such as shotgun receivers, trigger guards and other alloy parts. Due to its relatively low temperature processing, Cerakote can even be used to refresh the luster on plastic trigger guards and other components when factory replacements are not available. I do not perform Cerakoting in my shop but have a relationship with Kentucky's premier Cerakote specialist Rick Kerr at Kentucky Gun Coatings (KGC). Very often clients have guns that need to have some components blued and other parts Cerakoted. As with standard bluing, I prepare the metal components and ship the relevant parts to the respective vendors. I will obtain an estimate of costs of this service and inform client for approval prior to shipping.