

remington model 12 parts diagram

remington model 12 parts diagram is an essential resource for owners, collectors, and gunsmiths who work with this classic rifle. The Remington Model 12, a popular pump-action .22 caliber rifle produced in the early 20th century, features a unique and intricate assembly of parts.

Understanding the parts diagram is crucial for proper maintenance, repair, and restoration of this firearm. This article will provide a detailed overview of the Remington Model 12 parts diagram, highlighting the major components, their functions, and how they fit together. Additionally, the guide will cover common issues related to specific parts and tips for sourcing replacements.

Whether for troubleshooting or educational purposes, this comprehensive analysis aims to enhance knowledge of the Model 12's mechanical design and operational features.

- Overview of the Remington Model 12
- Main Components in the Remington Model 12 Parts Diagram
- Detailed Breakdown of Key Parts
- Understanding the Assembly and Functionality
- Common Maintenance and Repair Tips
- Sourcing Replacement Parts

Overview of the Remington Model 12

The Remington Model 12 is a pump-action rifle produced from 1909 to 1936, chambered primarily in .22 caliber rimfire cartridges. Known for its reliability and smooth action, the Model 12 became a favored choice for target shooting, small game hunting, and general use. The design incorporates a tubular magazine beneath the barrel and a slide-action mechanism that cycles rounds efficiently. The rifle's parts layout is distinctive, making the remington model 12 parts diagram invaluable for anyone interested in the mechanical aspects or involved in firearm restoration. Familiarity with this diagram aids in identifying each component's location and purpose within the firearm's assembly.

Main Components in the Remington Model 12 Parts Diagram

The remington model 12 parts diagram illustrates a variety of essential components that work together for the rifle's operation. These components include the barrel assembly, receiver, bolt, trigger group, magazine tube, and stock assembly. Each plays a pivotal role in the firearm's function, from loading and firing to ejecting spent cartridges. Understanding these main parts provides a foundation for comprehending how the rifle cycles and fires, and is critical when disassembling or servicing the firearm.

Barrel Assembly

The barrel assembly consists of the barrel itself and associated parts such as the front sight and magazine tube. This assembly directs the bullet's path and houses the magazine tube, which holds the ammunition. It is a key structural component, attached securely to the receiver.

Receiver and Bolt

The receiver acts as the housing for the rifle's bolt and firing mechanism. The bolt slides within the receiver, chambering rounds and locking in place during firing. The remington model 12 parts diagram highlights the bolt's parts including the firing pin, extractor, and bolt handle.

Trigger Group

The trigger group comprises the trigger, hammer, sear, and related springs. It controls the firing sequence by releasing the hammer when the trigger is pulled. This group is crucial for the safe and reliable functioning of the rifle.

Magazine Tube

Located beneath the barrel, the magazine tube stores multiple rounds of ammunition in a linear arrangement. A spring and follower within the tube push cartridges toward the receiver for chambering. The magazine tube's parts must be maintained to ensure smooth feeding.

Stock Assembly

The stock assembly includes the wooden buttstock and forearm. These parts provide structural support and ergonomics, allowing the shooter to hold and operate the rifle comfortably. The forearm also serves as the pump handle for cycling the action.

Detailed Breakdown of Key Parts

The remington model 12 parts diagram provides an exploded view of the rifle, breaking down complex assemblies into individual components. This section elaborates on some of the critical parts frequently referenced in repair manuals and restoration projects.

Firing Pin and Extractor

The firing pin strikes the cartridge primer to ignite the powder and discharge the bullet. It is housed within the bolt and moves forward when released by the hammer. The extractor is a hooked component that grips the cartridge rim to pull spent cases from the chamber during cycling.

Hammer and Sear

The hammer is cocked by the bolt's movement and held in place by the sear until the trigger is pulled. When released, the hammer swings forward to strike the firing pin. Proper interaction between the hammer and sear is essential for safe and consistent firing.

Magazine Spring and Follower

The magazine spring applies constant pressure to the follower, which in turn pushes cartridges forward into the receiver. Weak springs or damaged followers can cause feeding problems, making inspection and replacement critical maintenance tasks.

Slide Action Mechanism

The slide action, or pump mechanism, consists of the forearm, action bars, and related pins. This mechanism cycles the bolt, ejects spent cartridges, and chambers fresh rounds. Its smooth operation depends on well-maintained parts as outlined in the parts diagram.

Understanding the Assembly and Functionality

Interpreting the Remington Model 12 parts diagram helps clarify how individual parts interact to achieve the rifle's operation. The pump-action system cycles cartridges from the magazine into the chamber while simultaneously cocking the hammer and preparing the firing mechanism. Each movement is coordinated by the interplay of mechanical parts that must be precisely aligned.

Loading and Feeding Process

Cartridges are loaded into the magazine tube through the loading gate located on the receiver's side. The magazine spring and follower push rounds forward, ready for chambering. Pulling the forearm rearward unlocks and retracts the bolt, extracting any spent cartridge. Pushing the forearm forward chambers a new round and locks the bolt in position.

Firing and Ejecting

Once the bolt is locked, pulling the trigger releases the sear, allowing the hammer to strike the firing pin. The firing pin ignites the cartridge primer, firing the bullet. After discharge, cycling the forearm ejects the spent case and chambers another round, preparing the rifle for the next shot.

Common Maintenance and Repair Tips

Proper maintenance of the Remington Model 12 is vital for reliable performance and longevity. The Remington Model 12 parts diagram assists in identifying components that require regular cleaning, lubrication, and inspection. Understanding which parts are prone to wear or damage helps target repairs efficiently.

- Regularly clean the barrel and magazine tube to prevent fouling.
- Inspect the firing pin for signs of chipping or bending.
- Ensure the extractor hook is sharp and free of debris to avoid extraction failures.
- Lubricate the action bars and slide mechanism to maintain smooth cycling.
- Check springs for tension and replace if weakened or broken.

- Tighten any loose screws or pins to maintain structural integrity.

Sourcing Replacement Parts

Finding authentic replacement parts for the Remington Model 12 can be challenging due to its vintage status. The Remington Model 12 parts diagram is a valuable reference when ordering or fabricating parts, ensuring correct identification and compatibility. Collectors and gunsmiths typically source parts from specialized vintage firearm suppliers, gun shows, or dedicated online marketplaces. It is important to verify part numbers and specifications against the diagram to avoid incorrect substitutions that could impair the rifle's function.

Additionally, some parts may be refurbished or custom-made to match original specifications. Using the diagram, one can determine the precise dimensions and assembly requirements, facilitating accurate restoration efforts. Maintaining a clean, well-documented Remington Model 12 parts diagram is therefore an indispensable tool for preserving this historic firearm's operational and collectible value.

Frequently Asked Questions

Where can I find a detailed parts diagram for the Remington Model 12?

A detailed parts diagram for the Remington Model 12 can be found in the original owner's manual, gun repair manuals, or through online firearm forums and websites specializing in vintage firearms. Websites like Numrich Gun Parts Corporation also provide exploded parts diagrams.

What are the main components shown in the Remington Model 12 parts diagram?

The main components typically shown in the Remington Model 12 parts diagram include the barrel, receiver, bolt, magazine tube, trigger assembly, stock, sights, and various internal springs and pins essential for the rifle's operation.

How can the Remington Model 12 parts diagram help in firearm maintenance?

The parts diagram helps users identify and understand the individual components of the rifle, making it easier to disassemble, clean, repair, or replace parts correctly, ensuring proper maintenance and functionality of the firearm.

Are Remington Model 12 replacement parts still available according to the parts diagram?

Many Remington Model 12 replacement parts are still available through specialized gun parts

dealers and online marketplaces. The parts diagram helps confirm exact part numbers and compatibility, facilitating the search for authentic or aftermarket replacements.

Can the Remington Model 12 parts diagram assist in troubleshooting firearm issues?

Yes, by referring to the parts diagram, users can visually identify malfunctioning or worn parts, understand their relationships within the rifle, and determine which components may need repair or replacement to resolve operational issues.

Additional Resources

1. Remington Model 12 Illustrated Parts Manual

This comprehensive manual provides detailed exploded diagrams and parts lists for the Remington Model 12 rifle. It is an essential resource for gunsmiths and collectors who want to understand the internal mechanisms and identify replacement parts. The book also includes maintenance tips and historical notes about the model's production.

2. The Complete Guide to Remington Model 12 Rifles

Offering an in-depth look at the Remington Model 12, this guide covers the rifle's history, design variations, and mechanical details. It features clear parts diagrams alongside step-by-step instructions for disassembly and reassembly. Collectors and enthusiasts will find this book invaluable for restoration projects.

3. Remington Firearms: An Illustrated History and Parts Reference

This book chronicles the development of Remington firearms, with a dedicated section on the Model 12. It includes detailed parts diagrams and descriptions that help readers identify components and understand their functions. The historical context enhances appreciation for the engineering behind the rifle.

4. Gunsmithing the Remington Model 12

Focused on practical repair and maintenance, this book provides detailed parts diagrams and troubleshooting advice for the Model 12. It guides readers through common issues and offers solutions backed by clear illustrations. Ideal for both amateur and professional gunsmiths.

5. Remington Model 12: Restoration and Parts Identification

A specialized guide for restoring the Remington Model 12, this book includes high-quality parts diagrams and tips for sourcing original components. It covers cleaning, refinishing, and mechanical restoration techniques to bring vintage rifles back to working condition.

6. Understanding Remington Model 12 Mechanics

This technical manual breaks down the mechanical operation of the Model 12 with detailed parts diagrams and functional explanations. It is designed to help readers grasp how each part interacts within the rifle's mechanism, making it easier to diagnose and repair issues.

7. Remington Model 12 Collector's Handbook

Geared toward collectors, this handbook provides detailed parts diagrams along with information on identifying authentic parts and spotting reproductions. It also includes market value insights and historical production notes, making it a valuable tool for serious collectors.

8. *Remington Model 12 Assembly and Parts Catalog*

A precise catalog that lists every part of the Model 12 with corresponding diagrams and part numbers. This book is a must-have for ordering replacement parts and ensuring accurate assembly after disassembly or repair.

9. *The Mechanics and Maintenance of Remington Model 12*

This book offers a thorough overview of the mechanical design and routine maintenance procedures for the Remington Model 12. Detailed exploded parts diagrams accompany instructions for cleaning, lubricating, and troubleshooting common problems to keep the rifle functioning smoothly.

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