

Below are detailed instructions for disassembling and reassembling the bolt of a Bergara B-14R Rimfire Rifle, based on available information and general principles for similar bolt-action rifles. Note that specific details for the B-14R bolt may vary slightly, and some sources indicate potential differences from the centerfire B-14 models. Always consult the Bergara B-14R user manual for model-specific guidance and ensure the firearm is unloaded before performing any maintenance. If you encounter discrepancies or difficulties, contact Bergara customer support for clarification.

### ### Safety Precautions

1. **\*\*Ensure the Firearm is Unloaded\*\***: Verify that the chamber and magazine are empty. Remove any ammunition from the area.
2. **\*\*Work in a Safe Environment\*\***: Use a clean, well-lit workspace with no distractions.
3. **\*\*Wear Safety Glasses\*\***: Protect your eyes from spring-loaded components.
4. **\*\*Handle Components Carefully\*\***: Some parts are under tension and may pop out during disassembly.

### ### Tools Needed

- Small punch or pin (e.g., 1/16" or similar, depending on bolt design)
- Flathead screwdriver (optional, for shroud removal)
- Clean cloth or rag
- Gun cleaning solvent (e.g., Hornady One Shot or denatured alcohol)
- Lubricant (e.g., synthetic grease)
- Small brush or Q-tips for cleaning

### ### Disassembly Instructions

The Bergara B-14R bolt is a two-piece design with a floating bolt head and a spacer/shim for headspace adjustment. The following steps are adapted from general B-14 bolt disassembly procedures and specific B-14R discussions, such as those found on forums and videos.[]

[\[https://www.youtube.com/watch?v=FcN-DYJpe-Q\]](https://www.youtube.com/watch?v=FcN-DYJpe-Q)

[\[https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/\]](https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/)

1. **\*\*Remove the Bolt from the Rifle\*\***:
  - Open the bolt and pull it rearward.

- Depress the bolt release lever (located on the left side of the receiver, near the bolt).
- Pull the bolt out of the receiver and set the rifle aside.

2. **Cock the Firing Pin (if not already cocked)**:

- Hold the bolt body firmly and rotate the bolt handle upward to cock the firing pin. This puts the firing pin under spring tension, which is necessary for disassembly.
- You should feel resistance and hear a click when the firing pin is cocked.

3. **Remove the Bolt Shroud**:

- The bolt shroud is the rear component of the bolt assembly, covering the firing pin and spring.
- Some B-14R bolts may have a simplified shroud that pops off with minimal effort. Gently pry or twist the shroud counterclockwise with your fingers or a flathead screwdriver to remove it.[]  
(<https://www.snipershide.com/shooting/threads/questions-on-bergara-hmr-b14-bolt.7126134/>)
- If the shroud does not come off easily, check for a small roll pin or slot. Older B-14 designs required inserting a punch through a hole in the shroud to hold the firing pin, but newer designs (potentially including the B-14R) may not have this feature.[]  
([https://www.reddit.com/r/longrange/comments/ptom7x/anyone\\_with\\_the\\_bergara\\_hmr\\_pro\\_i\\_need\\_help/](https://www.reddit.com/r/longrange/comments/ptom7x/anyone_with_the_bergara_hmr_pro_i_need_help/))
- If a pin is present, insert a small punch through the hole to hold the firing pin in place, then rotate the shroud counterclockwise to unscrew it.

4. **Release the Firing Pin Assembly**:

- With the shroud removed, carefully release the firing pin assembly (firing pin, spring, and cocking piece).
- Hold the bolt body firmly and slowly ease the punch (if used) out of the hole, allowing the firing pin assembly to slide out under controlled spring pressure. Be cautious, as the spring is under tension and can launch components if released abruptly.
- Set the firing pin, spring, and cocking piece aside in the order of removal.

5. **Separate the Bolt Body and Bolt Head**:

- The B-14R bolt features a floating bolt head with a spacer/shim for headspace adjustment.[]  
([https://www.triggershims.com/bergara\\_rimfire.php](https://www.triggershims.com/bergara_rimfire.php))[]

<https://www.bergara.online/us/rifles/rimfire/b-14r-steel/>)

- Gently pull the bolt head forward to separate it from the bolt body. The spacer/shim (if present) may come loose, so note its position and orientation for reassembly.
- Inspect the bolt face, extractors, and ejector for wear or debris. The B-14R has dual extractors, which may be staked or pinned in place. Avoid removing these unless necessary, as re-staking may be required. <https://www.youtube.com/watch?v=FcN-DYJpe-Q>)

#### 6. **Clean the Components**:

- Use a solvent like Hornady One Shot or denatured alcohol to clean the bolt body, bolt head, firing pin, spring, and shroud. Remove any factory grease, carbon, or debris, especially from the firing pin channel and bolt face. <https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/>)
- Use a small brush or Q-tips to scrub threads and recesses, then wipe dry with a clean cloth.
- Blow out any remaining solvent with compressed air, paying attention to roll pins and extractor grooves.

#### ### Reassembly Instructions

Reassemble the bolt in the reverse order of disassembly, ensuring all components are clean and lightly lubricated where specified.

#### 1. **Reattach the Bolt Head to the Bolt Body**:

- Align the bolt head with the bolt body, ensuring the spacer/shim (if used) is properly seated between the two halves. The shim should be oriented as it was during disassembly to maintain proper headspace. [https://www.triggershims.com/bergara\\_rimfire.php](https://www.triggershims.com/bergara_rimfire.php))
- Slide the bolt head onto the bolt body until it seats fully. Check for smooth movement and ensure the extractors and ejector are properly aligned.

#### 2. **Reinstall the Firing Pin Assembly**:

- Insert the firing pin spring onto the firing pin, followed by the cocking piece.
- Compress the spring and insert the firing pin assembly into the rear of the bolt body. Align the cocking piece so it slides into its slot.
- If a punch was used during disassembly, insert it through the hole (if present) to hold the firing pin in place while you proceed to the next step.

### 3. **\*\*Attach the Bolt Shroud\*\***:

- Apply a small dab of synthetic grease to the cocking piece threads to ensure smooth operation.[](<https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/>)
- Slide the bolt shroud over the firing pin assembly and rotate it clockwise to screw it onto the bolt body. If a punch was used, ensure the shroud aligns properly before removing the punch.
- If the shroud is a press-fit or snap-on design, gently push or twist it into place until it locks securely.
- Verify that the shroud is firmly attached and does not wobble.

### 4. **\*\*Test the Bolt Function\*\***:

- Rotate the bolt handle to ensure the firing pin cocks and releases smoothly. The bolt should feel smoother after cleaning and lubrication.[](<https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/>)
- Check that the bolt head rotates freely and the extractors move without binding.

### 5. **\*\*Reinstall the Bolt in the Rifle\*\***:

- Insert the bolt into the receiver, aligning the bolt handle with the raceway.
- Push the bolt forward and rotate the handle downward to lock it in place.
- Cycle the bolt several times (with the rifle unloaded) to confirm smooth operation.

### ### Additional Notes

- **\*\*Bolt Shroud Design\*\***: Some sources suggest that newer Bergara bolts, including the B-14R, have a simplified shroud that does not require a punch for disassembly, unlike older B-14 centerfire models. If your bolt lacks a pin hole, try gently twisting or prying the shroud off.[](<https://www.snipershide.com/shooting/threads/questions-on-bergara-hmr-b14-bolt.7126134/>)[]([https://www.reddit.com/r/longrange/comments/ptom7x/anyone\\_with\\_the\\_bergara\\_hmr\\_pro\\_i\\_need\\_help/](https://www.reddit.com/r/longrange/comments/ptom7x/anyone_with_the_bergara_hmr_pro_i_need_help/))
- **\*\*Headspace Shims\*\***: The B-14R's two-piece bolt uses a shim to set headspace, which is critical for safety and accuracy. Do not lose or misplace the shim, and ensure it is reinstalled correctly. If you suspect headspace issues, contact Bergara or a qualified gunsmith.[]([https://www.triggerhims.com/bergara\\_rimfire.php](https://www.triggerhims.com/bergara_rimfire.php))
- **\*\*Ejector Issues\*\***: If you experience ejection problems, staking the ejector may be necessary, as shown in a YouTube video specific to the B-14R. This requires advanced skills and should be

done by a professional unless you are experienced.[](<https://www.youtube.com/watch?v=FcN-DYJpe-Q>)

- **Factory Grease**: B-14R bolts are often shipped with heavy grease or cosmoline-like lubricant, which can migrate and affect performance. Thorough cleaning during initial disassembly is recommended.[](<https://www.snipershide.com/shooting/threads/cleaning-a-b14r-bolt.7091679/>)

- **Video Reference**: A YouTube video titled “Bergara B14R - Bolt disassembly and staking ejector” provides visual guidance specific to the B-14R. Additionally, Bergara’s official B-14 bolt disassembly video may offer useful insights, though it is not specific to the rimfire model.[](<https://www.youtube.com/watch?v=FcN-DYJpe-Q>)[](<https://vimeo.com/channels/bergararifles/205956324>)

- **Contact Bergara**: If you encounter difficulties or your bolt design differs from these instructions, call Bergara customer support. Some users report changes in bolt design that may not match older videos or manuals.[](<https://www.snipershide.com/shooting/threads/questions-on-bergara-hmr-b14-bolt.7126134/>)

### ### Warnings

- **Do Not Force Components**: If a part does not move easily, reassess your approach to avoid damage.

- **Maintain Headspace**: Improper reassembly of the bolt head and shim can affect headspace, leading to unsafe conditions. If unsure, consult a gunsmith.

- **Check Functionality**: Before firing the rifle, verify that the bolt operates correctly and the firing pin strikes properly.

If you need further clarification or visual aids, I recommend watching the YouTube video referenced above or contacting Bergara directly for model-specific guidance. Let me know if you have additional questions or need help with a specific step