



# BMR

RIMFIRE



**BERGARA®**  
OUR BARRELS MAKE THE DIFFERENCE

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## **1. INTRODUCTION AND GENERAL SAFETY**

Thank you for buying a Bergara BMR (Bergara Micro Rimfire) bolt action rifle. We hope that this firearm is up to your expectations, serves you as intended and gives you years of satisfaction.

In order to have the best and safest experience with this rifle, please take time to read this manual carefully. There are many features that the user must familiarize themselves with in order to safely use this firearm. The future of shooting sports depends on you. Accidents, misuse of firearms etc. are portrayed as reasons to ban shooting sports in general, and firearms in particular. Please always be responsible, always promote safety, and always listen to safety advice from others. If you are not comfortable accepting the responsibilities involved in safely owning and handling a firearm after reading the instructions detailed in this manual, please feel free to return this rifle to the location where it was purchased. The entire manual should be taken into account for the safest use of the firearm.

## **2. GENERAL SAFETY**

### **10 safety rules for handling your firearm:**

1. Always keep the muzzle pointed in a safe direction, even when the rifle is unloaded.
2. Be sure of your target and of what is behind it before aiming at anything.
3. Never trust the mechanical safety catch of a firearm.
4. The firearm must be unloaded until the moment of use.
5. Always use eye and ear protection.
6. The barrel must be free from any obstruction before loading and firing.
7. Handle every firearm as if it were loaded.
8. Store firearms and ammunition separately and in an enclosed, locked area.
9. Avoid the consumption of alcohol and drugs before and while using a firearm.
10. Do not alter or modify your firearm. Make sure your firearm is serviced regularly by a competent gunsmith. Make sure all the parts are working properly before each use.

**⚠ WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For other information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

### **SAFETY CONSIDERATIONS FOR ALL FIREARMS**

- Never smoke while you are shooting or handling a firearm or related material. The ashes or sparks can ignite the gunpowder or cartridges, causing personal injury or death.
- Always use eye protection. It is possible that sparks can fly from the breech or the muzzle when a firearm is discharged.
- Always check the rifle before using it to ensure it is in good working order. Test the trigger and the release system carefully before loading. Make sure that the barrel is not obstructed. Any obstruction can cause the barrel to rupture, resulting in serious injury or death.
- Never load a firearm until you are ready to shoot. You must remove the cartridge when walking, climbing trees or fences, passing the firearm from one person to another, jumping a wall or fence, etc.

- Never lean a firearm against a wall, a tree, a vehicle or any other surface. If a loaded firearm falls it may cause the weapon to accidentally fire, causing serious injury or death.
- Never transport a loaded firearm in any type of vehicle. The firearm is considered to be loaded while a cartridge remains in the chamber.
- Never store a loaded firearm. The firearm must be unloaded and cleaned before any type of storage.
- Never load a firearm without first ensuring that the barrel is clean and unobstructed. If the firearm falls to the floor or the ground by accident, check that the barrel has not become obstructed.
- Be very careful when hunting from an elevated position. If a loaded firearm accidentally falls it may cause the weapon to fire, causing serious injury or death. Make sure the firearm is unloaded before climbing up or down from a stand.
- Never trust the mechanical safety catch! Mechanical devices can and do fail. Firearms must always be handled as if they are loaded and ready for shooting, regardless of the position or the mechanical condition of the safety catch.
- Always follow the proper cleaning procedures. Shooting a firearm that is poorly maintained or corroded can lead to dangerous pressure and/or cause the barrel to explode, causing serious injury or death.
- Never point the barrel at anything you do not wish to see damaged. When carrying the firearm on your shoulder, make sure that the barrel is pointing upwards.
- Never try to modify the inner parts of your firearm. Doing so may cause a dangerous situation, provoking an accidental discharge of the weapon and causing serious injury or death. These alterations will generally void the warranty.
- Never leave the firearm unattended or in the reach of children. In some countries it is punishable by law.

### **3. BEFORE FIRING THE RIFLE**

Familiarize yourself with the rifle. Learn how it works and how to use it without ammunition.

Recommendations before using the rifle:

- The rifle comes packed with the bolt detached from the action. Before assembling the bolt, check that the rifle is not loaded, i.e. that there is no casing in the chamber or obstruction in the bore.
- Make sure that there is no cartridge in the magazine.
- Clean the bore of the barrel as shown in the section on "cleaning and maintenance".
- Wipe off the excess oil from the receiver area as well as the bolt body.
- Insert the bolt into its action as shown under "dismantling of the firearm components for cleaning purposes" in this manual.
- After completing the above steps, you can load the firearm as shown in the following section of this manual.

**Safety advice:** Double check that the ammunition being loaded is the correct type. The barrel of the rifle has the caliber marked on the side. Shooting ammunition of a different caliber to that marked on the barrel is very dangerous and can cause very serious accidents.

### **4. LOADING THE AMMUNITION INTO A DETACHABLE MAGAZINE**

Load the magazine from the upper side with the corresponding ammunition. Push

the cartridge down (Fig. 4.1) and once it leans on the front side of the magazine slide it back (Fig. 4.2). The capacity of the magazine is 10 cartridges. Functioning problems may happen if these steps are not followed.

Fig. 4.1



Fig. 4.2



## 5. FUNCTIONING OF DETACHABLE MAGAZINE SYSTEM

To install the magazine push it to the top, inside the trigger guard, ammunition side up. (Fig. 5.1)

Fig. 5.1

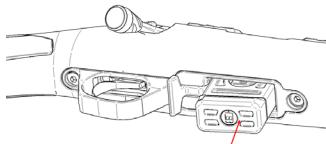
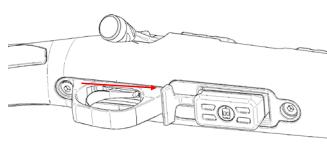


Fig. 5.2



To release the magazine push the lever located on the front side of the trigger guard. (Fig. 5.2)

## 6. FIRING THE RIFLE

- Remove the bolt and make sure the firearm is not loaded. Also verify that nothing is obstructing the bore.
- The safety catch cannot be activated if the bolt handle is in the down position and the firing pin is not cocked. Having lifted the bolt handle you can now activate the safety catch of the rifle. Therefore, put the safety catch on once the bolt handle is up and before inserting a cartridge into the chamber. The rifle is put into the safe position by pulling the safety catch back, towards the white dot. (Fig. 6.1)

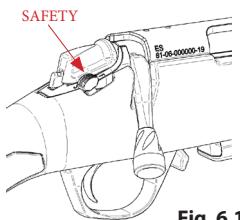


Fig. 6.1

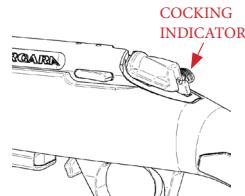


Fig. 6.2

**Safety advice:** When you load the firearm make sure you have lowered the bolt handle until it stops.

**Safety advice:** If you close the bolt and the cocking indicator does not protrude, do not use the rifle. Take the firearm to a qualified gunsmith or contact Bergara Customer Service.

- Close the bolt. Check the red cocking indicator. (Fig. 6.2)

**Safety advice:** If on pulling the trigger of a loaded firearm the rifle does not fire, point the rifle in a safe direction and wait 30 seconds before opening the bolt. The bolt must be opened very carefully.

**Safety advice:** If you suspect you have a low powered or defective cartridge and that the bullet has not left the barrel, remove the bolt and check it. This situation can occur because the gunpowder has deteriorated, does not burn or only partially burns. Take the rifle to a qualified gunsmith or contact Bergara Customer Service.

- Once fired, open the bolt, pull back until it stops, then push forward and close the bolt. Make sure the rifle ejects the used cartridge. It is important to pull the bolt all the way back and not short cycle or this could jam the firearm.
- To empty the ammunition from the firearm, open the bolt and pull it fully to the rear.
- Ensure the chamber is empty by visually and physically checking the chamber for cartridges.

## 7. REMOVING A BULLET STUCK IN THE BORE

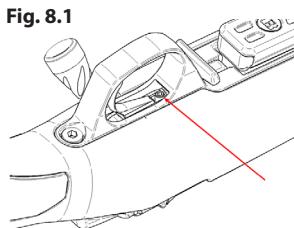
**Safety advice:** Do not attempt to remove the bullet that is stuck by firing again, because the pressure created can destroy the firearm injuring the shooter. Take the rifle to a qualified gunsmith or contact Bergara Customer Service.

## 8. TRIGGER PULL ADJUSTMENT

The BMR features a fully adjustable trigger mechanism. The trigger pull weight is preset at the factory around 1.7 kg (3.7 lbs.) The possible adjustment is between 1.3 and 2 kg (2.8 lbs. - 4.4 lbs).

**Safety advice:** Do not change the trigger mechanism for one made by an unapproved manufacturer or model. It may fit in your firearm but it may not work properly, causing it to be unsafe. The replacement of the firing mechanism may void the warranty.

- To adjustment screw you do not have to remove the stock.
- The adjusting screw for trigger pull (Fig. 8.1) adjusts the force required to pull the trigger



**Safety advice:** A trigger that is too light can cause an accidental discharge.

## 9. FIELD STRIP

To disassemble the rifle for cleaning or inspection, take the following steps (Fig 9.1):

- Move the safety catch to the Safe position.
- Unload the rifle by first removing the magazine.
- Lift the bolt handle and pull the bolt to the rear until it contacts the bolt release.
- Push the bolt release and remove the bolt from the action.
- Visually and physically inspect the chamber to ensure there is no ammunition in the chamber.

To assemble the rifle (Fig. 9.2):

- Press the bolt release and insert the bolt. Rotate the bolt until it aligns with the channel.

Fig. 9.1

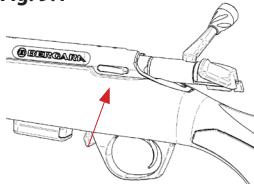
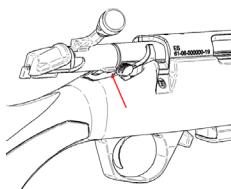


Fig. 9.2



## 10. CLEANING AND MAINTENANCE

In general, the rifle is easy to maintain. In this section you will find all the information required to keep the rifle in good shape. We recommend that you clean the following parts regularly, especially after a day of hunting or on the shooting range (always refer to the instructions provided by the manufacturer of the chemical products used). We suggest cleaning your rifle after the first 100 rounds, and every 200-300 rounds following.

(Note: Shooting suppressed will increase backpressure as well as fouling accumulation in the receiver and bolt area. If the rifle begins to experience failures to cycle or fire while shooting suppressed, clean the receiver, bolt and chamber areas thoroughly.)

### BARREL

The high quality of the Bergara rifle barrel requires proper care to maintain its accuracy. The following advice should be followed:

- The correct direction for cleaning is from the chamber to the muzzle. Cleaning the barrel in the opposite direction can cause excessive wear on the muzzle of the barrel. This will permanently affect the accuracy of the rifle. An access hole is provided in the rear of the receiver for the passage of the cleaning rod into the barrel. Field strip the rifle using the instructions found in section 10.
- If possible, use a quality, one-piece cleaning rod to avoid damaging the bore.
- Use suitable cleaning products to help prolong the life of the barrel.
- Run an appropriately sized dry patch (a cloth square) through the barrel. This will push out any loose fouling.
- Then run a solvent-wet patch down the bore until the grease and dirt are removed from the bore and the chamber. (NOTE: We suggest following the manufacturer's instructions for use.)
- Try to avoid the accumulation of too much copper, lead or powder fouling in the bore. These accumulations will significantly reduce the accuracy.  
Important: Extraction problems may occur if solvent isn't used to remove fouling on the breach end of the barrel, including the extractor groove.
- Use a high-quality bronze or nylon brush for cleaning the bore. Avoid stainless steel brushes.
- After cleaning the bore, apply a patch soaked in gun oil to prevent rust. Run a dry cloth through it before shooting to remove the oil and not damage the bore.

**Important:** We suggest lightly oiling the inside of the barrel and the outside metal surfaces of the gun after cleaning. Before shooting again, run a dry patch through the barrel to remove excess oil. Traces of oil inside the barrel at the moment of firing can cause overpressure.

- Check the muzzle crown regularly for damage because this can seriously affect the accuracy.

## RECEIVER AND BOLT

- Clean the entire bolt and the inside of the receiver with a cloth saturated with a suitable firearm cleaning product to remove residues.
- Using a brush, clean the bolt face and extractor. Also clean the exposed area of the firing mechanism and the bolt head lugs.
- The body of the bolt, the lugs, the cocking channel and the safety catch must be lubricated or greased. Periodically, a drop of suitable oil should be placed on the ejector and the extractor (Fig. 10.1 and 10.2), until you get a very thin film of oil.

AREAS TO BE OILED

Fig. 10.1

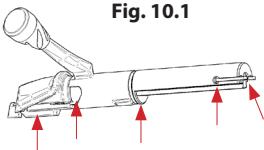
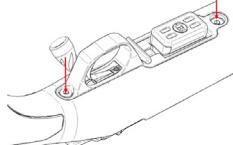


Fig. 10.2



- It may be necessary to remove the barreled action from the stock. To do this turn the rifle upside down and place on a padded surface. Loosen both action screws. After the screws are removed lift the stock off the barreled action. Clean and lubricated as needed.

Fig. 10.3



- To assemble place the stock with the action screws onto the barreled action. You will need to torque the action screws to 55 in lbs. (Fig. 10.3)
- Start out by tightening the front action screw hand tight and then repeat with the rear action screw. Next torque the front action screw to 55 in lbs and then the rear.

## STOCK

- A fine brush can be used to remove dust from the outside.
- The synthetic stock is easily cleaned with a damp microfiber cloth.
- After cleaning, lubricate all the exposed metal parts of the rifle.

## 11. STORAGE

- Store your gun in a safe that includes a method for reducing the relative humidity.
- From time to time, remove the rifle from its storage location and clean it.
- Follow the legal regulations regarding storage of firearms.
- If you are going to keep the rifle in the gun rack for an extended time, store it uncocked, with the hammer spring in the resting position, i.e. not compressed.
- Maintain a thin film of protective oil on the metal surfaces to further protect against corrosion.

## 13. WARRANTY

Please address your warranty concerns electronically to:

Info@bergararifles.com

For USA: contact@bergarausa.com

Bergara USA  
BPI Outdoors  
1270 Progress Center Ave. Suite 100  
Lawrenceville, GA 30043

For non-US/Canada:  
DIKAR S. Coop  
Ugarte, 26  
20570 Bergara - Gipuzkoa (Spain)

The Bergara rifle is warranted to be free from manufacturers defects for the life of the gun. This warranty is to the original purchaser and is not transferable. This warranty does not cover normal wear and tear, finish of metal or wood, abuse or misuse, damage to property, cost of inconvenience or loss of use.

This warranty gives you certain legal rights and you may have other rights which vary from state to state or country to country. Apart from the assumptions of cancellation of warranty mentioned in the different sections of this manual, below will also void the warranty:

- Unauthorized modifications and/or repairs.
- Rifle returned in neglected conditions (dirty, corroded, etc.).
- Use of improper ammunition (e.g. military ammunition, reloaded ammunition, ammunition un authorized by CIP or SAAMI).
- Damages which result from not following the instructions given in this manual.

The rifle is identified by its serial number on the side of the receiver.

***IMPORTANT: In case of return, make sure that the rifle is unloaded!!***

### CUSTOMER SERVICE USA/CANADA:

Bergara North America  
BPI Outdoors  
877 892 7544  
[www.bergarausa.com](http://www.bergarausa.com)  
[contact@bpiguns.com](mailto:contact@bpiguns.com)  
Facebook: Bergara USA  
Youtube: Bergara US

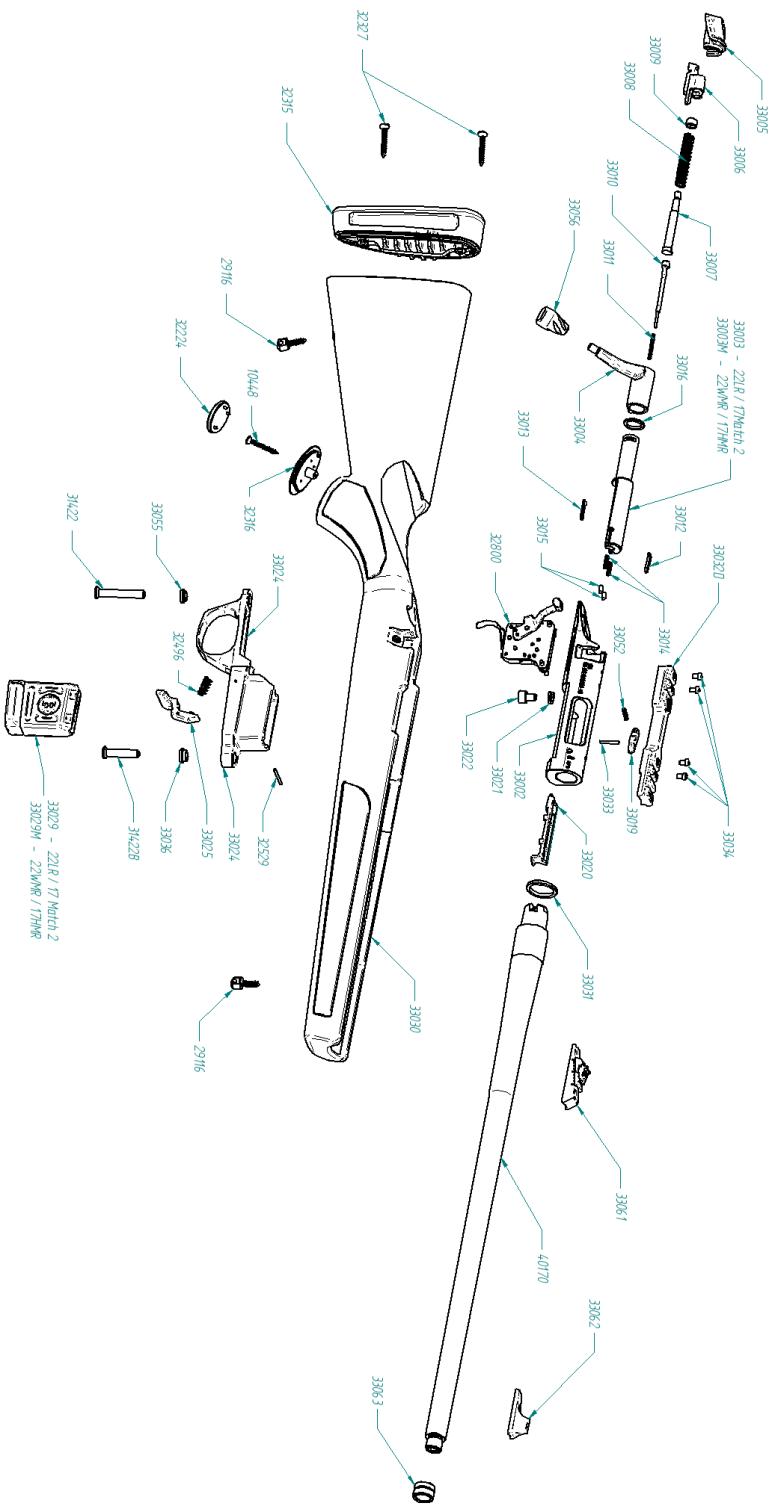
### INTERNATIONAL CUSTOMER SERVICE:

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Facebook: Bergara Rifles Europe  
Youtube: bergarainternational

## BMR PARTS SCHEMATIC DESCRIPTION

10448	Grip Cap Screw	33009	Firing Spring Cup	33036	Front Action Screw Shim
29116	Sling Studs	33010	Striker	33052	Bolt Release Spring
31422	Rear Action Screw	33011	Striker Spring	33055	Rear Action Screw Shim
32224	Grip Cap Shield	33012	Left Extractor	33056	Bolt Handle Knob
32315	Recoil Pad	33013	Right Extractor	33056	Bolt Handle Knob
32316	Grip Cap	33014	Extractor Springs	33061	Rear Sight
32327	Recoil Pad screws	33015	Extractor Detents	33062	Front Sight
32490	Recoil Pad Spacers	33016	Bolt Head Spacer	33063	Thread Cap
32496	Magazine Latch Spring	33019	Bolt Release	40170	Barrel 22 LR
32529	Magazine Latch Pin	33020	Magazine Stop	31422B	Front Action Screw
32800	Trigger	33021	Magazine Stop Washer	33003M	Bolt Head 22 WMR/17 HMR
32974	Extractor Spring	33022	Magazine Stop screw	33029M	5 rd Magazine 22 WMR/17 HMR
33002	Receiver	33024	Trigger Guard	33032D	30 MOA Rail
33003	Bolt Head 22 LR/ 17 Match	33025	Magazine Latch	33029L	10 rd Magazine 22 LR/ 17 Match
33004	Bolt Body	33029	5 rd Magazine 22 LR/ 17 Match	33029LM	10 rd Magazine 22 WMR/ 17 HMR
33005	Bolt Shroud	33030	Stock		
33006	Cocking Piece	33031	Barrel Spacer		
33007	Firing Pin	33033	Bolt Release Pin		
33008	Firing Pin Spring	33034	Rail screws		

**BMR**  
BMR SCHEMATIC  
RIMFIRE







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OUR BARRELS MAKE THE DIFFERENCE



## **BERGARA NORTH AMERICA**

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Bergara US

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