



# User Manual

**B3 OVER-AND-UNDER COMBINATION GUN**  
**B3 OVER-AND-UNDER RIFLE**  
**B4 OVER-AND-UNDER COMBINATION GUN**  
**B4 'BERGSTUTZEN' OVER-AND-UNDER RIFLE**

**MERKEL**

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## 1 **General**

Waidmannsheil!

Thank you for choosing one of our products.





Your firearm of the B3 / B4 over-and-under series is a product which combines the technical advantages of several weapon systems by MERKEL. The combination of short barrel length, the B3 double-lock / B4 single-lock manual cocking system and the block locking system create an ideal prerequisite for almost all hunting requirements.

### 1.1 **How to use this manual**

#### 1.1.1 General

Read this manual thoroughly before using the weapon.  
Precisely adhere to all instructions given in this manual.

#### 1.1.2 Signs and symbols

Symbol	Meaning
 <b>DANGER</b>	Imminent danger! Non-compliance leads to death or most severe injuries.
 <b>WARNING</b>	Possible imminent danger! Non-compliance may lead to death or severe injuries.
 <b>CAUTION</b>	Dangerous situation! Non-compliance may lead to injuries.
<b>ATTENTION</b>	Non-compliance may lead to property damages.
	Additional information about the weapon, its handling or the use of this manual.

### 1.2 **Disclaimer**

We assume no liability and provide no warranty for improper use or negligence.

- 1) criminal or negligent use,
- 2) improper or careless handling (forceful use),
- 3) any modifications of the weapon,
- 4) wrong, damaged, improper, self-loaded or reused ammunition,
- 5) insufficient maintenance and cleaning,
- 6) other influences beyond our direct or immediate control,
- 7) gun efficiency of the weapon, if the scope mount was not done appropriately,
- 8) scopes provided by the customer himself, etc.

Under no circumstances can we assume liability for accidental or consequential damages like property damages, business loss, loss of income or profit.

For warranty claims the weapon should be returned to the manufacturer or send to an authorized service centre for further proceeding.

## 1.3 Safety regulations

The following safety regulations are of **utmost importance** and **must be followed unconditionally**.

### 1.3.1 Safety instructions for the use of firearms

If you are aware of the dangers connected with the use of firearms and will follow the safety instructions in this manual, complete safety is ensured when using the weapon.

**Non-compliance, even with only one of these regulations can lead to severe harm, not only for your own person but also for others, and may cause serious damages to the weapon and / or other objects.**

#### 10 safety rules for firearms

- 1.) ALWAYS treat a weapon as if it was loaded.
- 2.) ALWAYS make sure that the barrel is not clogged.
- 3.) Before shooting, ALWAYS make sure that a backstop exists and what lies behind it. The safety of other people and your own person always comes first.
- 4.) ALWAYS use clean, dry and factory-manufactured original ammunition of the right sort and appropriate caliber.
- 5.) Protect eyes and ears (see below).
- 6.) ALWAYS carry the weapon in such a way that you are in control of the direction in which the muzzle points in case you stumble or fall.
- 7.) ALWAYS make sure that the weapon is put on safe until you actually intend to shoot.
- 8.) Make sure that a loaded weapon is NEVER unattended. Weapons and ammunition are to be kept locked up separately so that children and unauthorized people have no access to them.
- 9.) Never allow an unauthorized person and persons who have not read these safety rules to use your weapon.
- 10.) NEVER point a loaded or unloaded weapon at objects you do not intend to shoot at.

#### Protect your eyes and ears

Always wear suitable shooting glasses as well as ear plugs or earmuffs when shooting. Always make sure that people in your close vicinity are protected in the same way. Unprotected eyes can be injured by powder gas and powder smoke, lubricants, metal particles, etc. which are occasionally emitted by weapons during normal use. Without hearing protection, persons frequently exposed to shooting noises may suffer a gradual decline or loss of hearing.

### 1.3.2 Securing (manual cocking)

- 1.) Your weapon is equipped with an efficient and well-constructed safety mechanism (manual cocking).



**DANGER**

**NEVER RELY ENTIRELY ON A SAFETY MECHANISM!**

NO safety mechanism is a substitute for cautious, safe handling of the weapon.

NO safety mechanism – as well constructed as it may be – can be trusted completely.

Like ANY mechanic device, a safety mechanism can break or fail or be negatively affected by misuse, dirt, corrosion, abrasion, inappropriate assembly, improper adjustment and repair or lack of care. A safety mechanism which is truly “child-proof” or can prevent unintentional discharge due to improper manipulation, carelessness or fooling around does NOT exist. The best safety mechanism is your common sense. USE IT! Always handle your weapon as if you expected the safety mechanism not to work!

- 2.) Never point your weapon at a part of your own or anybody else's body. If you keep this rule in mind, no injury can be caused in case of an unintentional discharge.
- 3.) Leave the weapon “on safe” until you are ready to shoot and the weapon is aimed at the target.
- 4.) Always take your finger off the trigger and point the muzzle in a safe direction when you activate or deactivate the safety mechanism.
- 5.) When you activate the safety mechanism, make sure that it engages completely.
- 6.) Never carry a weapon around unsecured when a cartridge is in the chamber.

### 1.3.3 Ammunition

- 1.) Use only, high-quality, original factory-made ammunition. DO NOT use cartridges which are dirty, wet, corroded, dented or damaged.  
Never spray aerosol-type lubricants, oils, preserving or cleaning agents directly onto cartridges or onto parts of the weapon from which surplus spray can run off onto cartridges. Lubricants or other foreign agents on cartridges can, under certain circumstances, cause dangerous malfunction of the cartridge.
- 2.) Use only ammunition of the appropriate caliber for your weapon. The right caliber is engraved on the barrel. Never attempt to use ammunition of a different caliber.
- 3.) The use of reloaded, “modified“, “remodeled“, self-reloaded or any other kind of non-standard ammunition results in the termination of all warranty claims.  
Reloading is a science in itself and improperly loaded ammunition can be extremely dangerous. Always use ammunition which corresponds to industrial standards.
- 4.) Due to excessive pressures which can occur inside the barrel when shooting, the weapon can be heavily damaged and the shooter (or other people nearby) can be severely hurt.

Excessive pressure can arise due to blockage of the barrel, too great a propellant load, or the use of wrong or incorrectly loaded cartridges etc. Apart from that, when you are using dirty, corroded or damaged cartridges the cartridge housing can explode, the weapon can be damaged or people can get hurt due to sudden release of high-pressure propellant gas.

5.) Shooting must be stopped immediately and the barrel must be checked for potential clogging if:

- you have difficulties inserting a cartridge into the chamber or you feel an unusual resistance,
- a cartridge misfires (the bullet does not leave the barrel),
- the breech mechanism does not extract and eject an empty casing,
- unburned grains of propellant are found dispersed in the breech mechanism, or
- a shot sounds weak or abnormal.

In those cases, the bullet could be stuck somewhere in the barrel. Firing off another round into the blocked barrel can destroy the weapon and cause severe injuries to the shooter or other people nearby.

6.) Bullets can get stuck in the barrel if:

- the cartridge has been improperly loaded; without powder or if the powder does not ignite, (while ignition of the primer will merely propel the bullet out of the cartridge casing it usually does not produce enough energy to propel the bullet completely out of the barrel),
- the bullet has not been fixed tightly and correctly in the casing. If such a round is removed from the chamber without being fired, the bullet may remain in the barrel at the point where the rifling begins. Chambering another round can push the first bullet even farther into the barrel.

7.) If you have reason to assume that the bullet is stuck in the barrel, the weapon must be unloaded immediately and the barrel must be inspected visually. A mere glance into the chamber of the barrel does not suffice. The bullet can be stuck somewhere in the barrel where you may not easily see it. If it is possible to remove the bullet with the aid of a cleaning rod; then the bore, chamber and breech mechanism must be cleaned from unburned powder grains before shooting the weapon again. However, if the bullet cannot be removed like that, the weapon must be sent to an authorized, specialized dealer or back to our company.

8.) Dirt, corrosion, or other alien substances on the cartridges may prevent their proper insertion into the chamber which may result in the explosion of the casing when trying to shoot. The same holds true for damaged or dented cartridges.

9.) Cartridges must not be oiled. In any case, clean the chamber of the barrel of any oil or preservative substances before shooting. Oil has a negative effect on the friction between cartridge casing and chamber wall which is essential for the safe functioning and produces a strain on the weapon that is similar to the one caused by excessive pressure.

10.) Lubricants are to be used sparingly on the movable parts of your weapon. Refrain from excessive use of aerosol products, especially where they can come into contact with ammunition. All kinds of lubricants – especially aerosol products – can penetrate the priming compound of the round and thereby cause misfires. A few types of easily penetrating lubricants may even reach inside the casing and ruin the propellant; this can cause the propellant not to ignite, with the possible result that the bullet gets stuck in the barrel.

## 2 Weapon description and handling

### 2.1 Short description / Specific features

- tough tilt boxlock with additional barrel locking
- double-lock manual cocking system with automatic cocking slide return (model B3)
- single-lock manual cocking system with automatic cocking slide return (model B4)
- installation preparation for Suhler tilt-on scope mounts (SAM)
- length adjustable single or double trigger, model B3 with front set trigger
- fine direct trigger for model B4
- barrel group with free-swinging and adjustable lower barrel
- quick and easy to disassemble; compact for easy transport
- driven-hunt 'battue' sight as standard for over-and-under double rifle

### 2.2 Components

1. Barrel (over-and-under combination rifle/shotgun, double rifle or 'Bergstutzen' double rifle)
2. Block locking system
3. Forearm
4. Receiver with stock



## 2.3 Cocking / Uncocking the weapon



### DANGER

NEVER RELY ENTIRELY ON A SAFETY MECHANISM! (see section 1.3.2)



### DANGER

WHILE COCKING THE WEAPON, MAKE SURE THAT YOUR FINGER IS NOWHERE NEAR THE TRIGGER SINCE THIS MAY CAUSE AN UNINTENTIONAL DISCHARGE!

### 2.3.1 Cocking

#### **B3**

Push the cocking slide all the way forward until stop. (Figure 1)

Make sure that the button in the cocking slide comes up when cocking slide is in end position and thereby locks the system.



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To reduce the noise during the cocking procedure it is recommended to place the thumb on the cocking slide in such a way that the tip of the thumb covers the button halfway.

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#### **B4**

Push the cocking slide all the way forward until stop. The slide will then glide back approximately 2mm to engage.

On both weapons the red dot under the cocking slide signalizes that they are ready for shooting. (Figure 2)



Figure 1





Figure 2



## DANGER

IN THIS STATE THE WEAPON IS COCKED AND THE SAFETY IS DISENGAGED. ONLY COCK THE WEAPON DIRECTLY BEFORE FIRING A SHOT.



## DANGER

FOLLOW THE SAFETY INSTRUCTIONS IN SECTION 1.3.2.



The weapon remains cocked until you manually uncock the weapon (see section 2.3.2).

### 2.3.2 Uncocking

#### **B3**

A: both locks cocked

With the thumb of your right hand hold the cocking slide in position and press the release button. Now, the cocking slide can be released to glide into its rearmost position (both locks are uncocked). (Figure 3)

B: one lock cocked

Same as A. Be aware that less effort is needed for the cocking slide release.

C: both locks fired (uncocked)

For cocking slide return, press the release button of the cocking slide and pull cocking slide back with your thumb into its rearmost position.

#### **B4**

Unlock the cocking slide by slightly pushing the cocking slide forward (until stop) and allow the slide to glide to the rear while holding it with your thumb. (Figure 4)



Figure 3



Figure 4



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Cocking slide in rear position:  
The lock system is uncocked! The red dot is covered.

---

## 2.4 Opening / Closing the weapon

### 2.4.1 Opening the weapon



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The weapon is equipped with an automatic cocking slide return. This means that the cocking slide automatically returns to the uncocked position when the top lever is operated, irrespective of the cocking state of the locks.

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### CAUTION

This function serves as an additional safety mechanism. We recommend uncocking the cocked locks by manual release of the cocking slide. (see section 2.3.2).

Before opening the weapon, make sure that the cocking slide is in its rearmost position (uncocked).

Press and hold the top lever to the far right.

The barrel hook locking and breech lock are unlocked. (see Figure 5) The barrel unit can be tilted downward now. (see Figure 6)



Figure 5



Figure 6

#### 2.4.2 Closing the weapon

Tilt the barrel unit upward. (see Figure 7) The barrel lock latches into the barrel lug and the barrels are locked in the breech block.



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If you push the top lever to the right during the shooting procedure, the weapon can be closed easier and without noise.

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Figure 7



**DANGER**

After closing it must be checked whether the weapon is securely closed by pressing lightly onto the top lever to the left – top lever in central position. (see Figure 8)



Figure 8

## 2.5 Loading the weapon



### **DANGER**

FOLLOW THE SAFETY INSTRUCTIONS IN SECTION 1.3.



### **DANGER**

- MAKE SURE THAT THE MUZZLE IS ALWAYS POINTED IN A SAFE DIRECTION!
- NEVER ATTEMPT TO LOAD OR UNLOAD A WEAPON INSIDE OF VEHICLES, BUILDINGS, OFFICES OR OTHER CLOSED SPACES (EXCEPT FOR PROPERLY ESTABLISHED SHOOTING RANGES). CLOSED SPACES HARDLY OFFER A SAFE DIRECTION IN WHICH THE WEAPON CAN BE AIMED; AN UNINTENTIONAL DISCHARGE CAN ALWAYS RESULT IN SEVERE INJURIES OR DAMAGES.
- MAKE SURE BEFORE SHOOTING THAT THERE ARE NO ALIEN SUBSTANCES INSIDE THE BARREL.



### **DANGER**

THE APPROPRIATE CALIBER IS ENGRAVED ON THE BARREL.



### **CAUTION**

BEFORE USING THE WEAPON OIL AND GREASE RESIDUES FROM THE CARTRIDGE CHAMBER AND BARREL.



## WARNING

BEFORE LOADING AND SHOOTING THE BARREL MUST BE DE-OILED WITH A DRY CLEANING WICK. FURTHER, IT MUST BE CHECKED WHETHER THE BARREL IS FREE FROM ANY ALIEN SUBSTANCES.



## WARNING

A LOADED WEAPON IS ALWAYS A POTENTIAL SOURCE OF DANGER. ONLY LOAD THE WEAPON DIRECTLY BEFORE SHOOTING AND UNLOAD IT IMMEDIATELY AFTERWARDS.

- (1) Uncock the weapon as described in 2.3.2.
- (2) Open the weapon as described in 2.4.1.
- (3) Insert the cartridges as specified for your weapon and close the weapon as described in 2.4.2.

Make sure that the top lever is in end position by pressing it lightly to the left.



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**The weapon is now loaded, locked and uncocked!**

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## 2.6 Firing

### 2.6.1 Preparing the firearm for shooting



## WARNING

BEFORE LOADING AND SHOOTING THE BARREL MUST BE DE-OILED WITH A DRY CLEANING WICK. FURTHER, IT MUST BE CHECKED WHETHER THE BARREL IS FREE FROM ANY ALIEN SUBSTANCES.

#### 2.6.1.1 Functional checks

## ATTENTION

PRIOR TO EACH SHOOTING YOU SHOULD DO THE FOLLOWING FUNCTIONAL CHECKS IN ORDER TO ENSURE FULL FUNCTIONAL RELIABILITY DURING SHOOTING.

- (1) Check breech for mobility and function with loading procedure

- open weapon
- insert dummy cartridge into weapon
- close weapon

*The weapon must close without any difficulties.*



## (2) trigger and cocking function

- pull trigger (triggers) in uncocked state

*The trigger (triggers) must operate normally. The firing pin must not be activated by this.*

- cock weapon

*The cocking slide must move easily into its position. The firing pin must not be activated.*

- pull trigger (triggers)

*The firing pin must be activated now.*



**DANGER**

Follow the safety regulations in section 1.3.



**DANGER**

- Always point the muzzle in a safe direction and take your finger off the trigger when cocking a weapon.
- Never carry around a loaded, unsecured weapon; nor leave it unattended. As soon as a weapon is unsecured, some light pressure onto the trigger suffices to cause a discharge. An unintentional discharge can happen when you stumble or fall, when you drop the weapon, or if the weapon is hit by something or set off by somebody else.
- Never fire a weapon as soon as a finger, hand, face or another part of the body is close to the ejection port or when one could be hit by the reverse movement of the breech action (or the bolt).
- Make sure that nobody is standing on that side where they could be hit by ejected cartridge casings. The casing is hot and can be ejected at a speed which suffices to produce a burn or cut, or injure the unprotected eye. Consequently, make sure that there is sufficient room for the safe ejection of cartridge casings. Do not forget that the casing can bounce off any object nearby and hit you or another person.
- As soon as ANY mechanical failure or jamming of the weapon occurs while shooting, if it "spits out" powder gas, if the cartridge casings are dented or cracked, or if the muzzle blast does not appear to be right, STOP SHOOTING AT ONCE! Further shooting can be dangerous. UNLOAD THE WEAPON and DO NOT attempt to fire off another shot.  
Have the weapon and the ammunition checked by an authorized gunsmith or by our company.
- Incidents in which the barrel swells near the muzzle or bursts are surprisingly frequent. In practically all cases this is the result of careless handling, when soil, snow or plant remains get into the muzzle and clog up the bore. As soon as the muzzle of your weapon comes into contact with soil or when you have reason to believe that foreign substances are in the muzzle, you must unload the weapon and look into the barrel from the rear. It is not enough to glance into the muzzle, because dirt, snow, etc. may have gotten farther into the barrel where it is not easy to determine.  
As soon as there is anything inside the barrel that could potentially cause malfunction, it must be thoroughly cleaned before trying to shoot. Never attempt to shoot such foreign substances out! Shooting a weapon with a clogged bore can cause the barrel to explode and hurt you or other persons nearby.

## 2.6.2 Trigger system

### **B3**

The B3 is either equipped with a single trigger or a double set trigger. The front trigger of the latter model (double set trigger) is designed as set trigger which activates the hammer of the lower rifled barrel. The rear trigger is the trigger for the shotgun and activates the hammer of the shotgun barrel. (Figure 9)



Figure 9



### **WARNING**

THE TRIGGER PULL IS CONSIDERABLY LOWERED WHEN SET TRIGGER IS SET. THE SLIGHTEST MOVEMENTS CAN CAUSE AN UNINTENTIONAL DISCHARGE. THEREFORE, ALWAYS COCK THE WEAPON FIRST (see 2.3.1) AND ONLY THEN ENGAGE THE SET TRIGGER. ONLY TOUCH THE TRIGGER DIRECTLY BEFORE FIRING. IF NO SHOT IS FIRED THE WEAPON MUST BE UNCOCKED BY RELEASING THE COCKING SLIDE (see 2.3.2). THIS AUTOMATICALLY "DISENGAGES" THE SET TRIGGER.



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The set trigger can only function when it can move unhindered and in a straight line to the rear. Pressing sideways against the set trigger can lead to malfunctions.

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**Single trigger model non-selective:**

At the first pulling of the trigger the hammer of the lower barrel is released and a shot is fired. At the second pulling of the trigger the hammer of the upper barrel is released. The single trigger (ST) has a length-adjustable trigger blade. By releasing screw 1 the trigger blade can be adjusted in three different positions. (Figure 10)



Figure 10

**B4**

Model B4 is equipped with a double trigger. These are precision triggers – therefore, a set trigger is not necessary. The front trigger always activates the lower barrel; the rear trigger always activates the upper barrel. After pulling one of the triggers and after the consequential discharge of a shot, the cocking slide is automatically released into its initial position as a result of the recoil of the weapon. (Figure 4) For a discharge of the second barrel the cocking slide must be activated again.

### 2.6.3 Shooting

**B3**

Load the weapon according to section 2.5



---

**The weapon is now loaded, locked and uncocked.**

---



**DANGER**

TAKE AIM OF YOUR TARGET AND MAKE SURE THAT YOU KNOW EXACTLY WHAT LIES AROUND AND BEHIND IT: THIS WAY YOU CAN AVOID DANGERS OF ANY KIND.

After having taken aim of your target you can cock the weapon as described in section 2.3.1.

By pulling the trigger you may now fire a precise shot. Please pay attention to the functional differences of the respective triggers as shown in section 2.6.2.



## WARNING

THE WEAPON'S RECOIL CAN CAUSE SERIOUS INJURIES:

- THEREFORE, PULL THE WEAPON FIRMLY INTO YOUR SHOULDER
- KEEP YOUR EYE AT LEAST 6 CM AWAY FROM THE SCOPE WHEN FIRING



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**The weapon is still loaded, locked and cocked.**

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## DANGER

AFTER SHOOTING THE WEAPON MUST BE UNCOCKED.

### **B4**

Load the weapon according to 2.5.

After taking aim of your target you can cock the weapon as described in section 2.3.1.

By pulling the trigger you may now fire a precise shot.

Please mind the functional descriptions of the respective triggers as described in chapter 2.6.2.



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**The weapon is still loaded, locked but uncocked.**

---

Now, you can take aim again and after cocking the weapon again you may fire another shot.

## **2.7 Unloading the weapon**



## DANGER

ALWAYS MAKE SURE THAT THE MUZZLE IS POINTED IN A SAFE DIRECTION!  
DO NOT FORGET TO CHECK THE CHAMBER WHETHER THE WEAPON IS  
INDEED UNLOADED.

NEVER ASSUME THAT YOUR RIFLE IS UNLOADED UNLESS YOU HAVE  
CONVINCED YOURSELF OF IT.



---

The weapon is equipped with an automatic cocking slide release. This means that the cocking slide is activated by the top lever and will return into its initial position regardless of the cocking state of the locks.

---



## CAUTION

This function serves as an additional safety mechanism. We recommend uncocking the cocked locks by manual release of the cocking slide. (see section 2.3.2).

- Uncock the weapon as described in section 2.3.2.
- Open the weapon and tilt the barrel downward. By doing so the cartridge is pulled out of the chamber and can be removed easily by hand.
- Check whether the barrels are empty.



---

**The weapon is now uncocked and unloaded.**

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## 3 Disassembly / Assembly of weapon

### 3.1 Disassembly



## DANGER

BEFORE DISASSEMBLY THE WEAPON MUST BE UNLOADED. MAKE SURE THAT THE BARREL AND CARTRIDGE CHAMBER ARE EMPTY.



## CAUTION

ONLY DISASSEMBLE THE WEAPON TO THE EXTENT DESCRIBED IN THIS MANUAL.

## ATTENTION

Disassemble the weapon very carefully and accurately, because the tolerances and fittings are very narrow.

Initial state:

- unload weapon
- uncock weapon (cocking slide in rearmost position)

(1) Pull locking slide at forearm backwards, in direction of receiver, with your index finger (Figure 11) and tilt forearm away from barrel and take it off carefully (Figure 12)

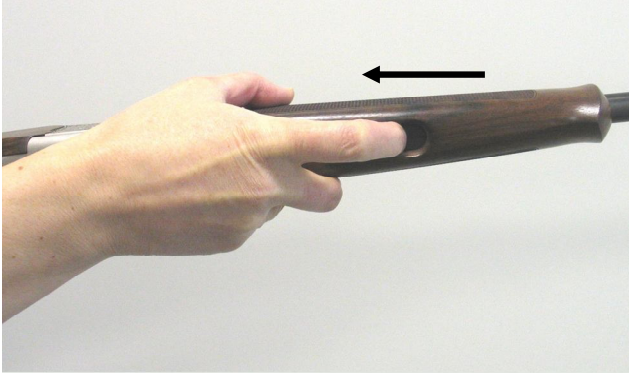


Figure 11



Figure 12

(2) Press and hold the top lever all the way to the right and keep it in this position (The barrel hook locking and the receiver are unlocked.) (Figure 5)

(3) Tilt the barrel unit downward until you can easily remove it from the receiver.  
(Figure 13)



Figure 13

(4) Removing the breech block (Figure 14):  
Push the catch of the receiver "1" fully in; at the same time press breech block "2" all the way against the receiver until stop.  
Remove the breech block.

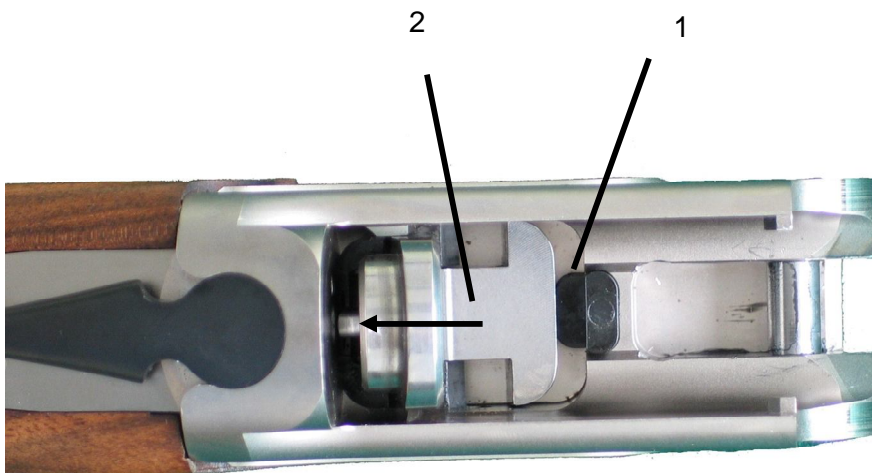


Figure 14

### 3.2 Assembly

The assembly of the components is done in reverse order as the disassembly (see section 3.1).

(1) Insert breech block:

- Insert the breech block vertically into the guiding nut into the receiver
- Push breech block – without activating the catch of the block – simultaneously downward and in direction of the breech face until there is an audible click (Figure 13)

(2) Press the extractor a little outward. Hook the front barrel lug recess into the hinge pin of the receiver. Insert barrel unit carefully into receiver and close the weapon.

(The barrel hook locking and receiver are locked.) (Figure 13)

## ATTENTION

It is recommended to keep the top lever in open position while tilting the barrel back in. (Figure 15)



Figure 15



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**Please note** that due to close fittings of barrel and receiver great care is required. Only when the barrel is securely set in the hinge bar you can turn the latter upward (as during the normal closing of the weapon) until the breech audibly clicks into place and the top lever clicks back into its original position.

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(3) Place forearm carefully onto hinge pin. (Figure 16)



Figure 16

(4) Tilt the forearm against the barrel until it audibly clicks into place.



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When reattached correctly, the push piece of the forearm will move approx. 3mm in direction of the muzzle.

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#### 4 Shooting performance

All our barrels are produced according to most modern manufacturing techniques using high-tensile barrel steel. But the accuracy depends on and may be influenced by a number of factors.

The most important factor of influence is the type of ammunition that is used.



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To check the shooting performance, **always** use the type of ammunition given in the gun passport. In case this ammunition is not available, substantial deviations concerning the shooting performance are possible. Also, ammunition of equal brand and equal filling can show a differing accuracy and point of impact from weapon to weapon.

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Another important factor which has a strong influence on the accuracy of your weapon is the scope you choose. Therefore, you should have the same high demands on the quality of the scope and scope mount as on the quality of the weapon itself.



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If a scope is mounted later on (not by the manufacturer) the weapon has to be newly adjusted and test fired anew.

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Only when you are using optimal ammunition, scope and the appropriate scope mount (Suhler tilt-on scope mounts - SAM) we can guarantee excellent shooting performance of our weapons.

Complaints concerning the accuracy of the weapon have to be sent in written form within 1 month after purchase. If a complaint turns out to be unwarranted, we reserve the right to charge you for any extra costs incurred.

Over-and-under combination double rifles and "Bergstutzen" rifles are equipped with a free-swinging lower rifled barrel which allows adjustments in elevation and windage. Any correction of the point of impact of lower and upper barrel must be done by a person who is authorized by Merkel

Over-and under rifles are designed for rapid double shooting. The optimal result in shooting with both barrels in rapid shooting succession can only be achieved when the second shot is fired no earlier than 6-10 seconds after the first. When keeping these conditions we guarantee for an optimal shooting performance of the double shooting.

## ATTENTION

IF THE TIME FREQUENCY FOR THE SHOOTING SUCCESSION IS NOT KEPT, THE POINT OF IMPACT MAY CHANGE. HOWEVER, FOR THE PURPOSE OF HUNTING THESE CHANGES WILL STILL BE ACCEPTABLE.

## ATTENTION

ADJUSTING THE "BERGSTUTZEN" FOR SHOOTING MUST ALWAYS BE DONE WHEN THE SINGLE BARRELS ARE COLD. THE SHOOTING CAN BE DONE IN ARBITRARY ORDER.



## 5 Maintenance and care



### CAUTION

ONLY ASSEMBLE THE WEAPON TO THE EXTENT DESCRIBED IN THIS MANUAL.



### DANGER

THE WEAPON MUST BE UNCOCKED AND UNLOADED BEFORE STARTING TO DISASSEMBLE.

### ATTENTION

INAPPROPRIATE CLEANING AGENTS CAN DAMAGE THE WEAPON. THEREFORE, ONLY USE CLEANING AND PRESERVATIVE AGENTS WHICH ARE SUITABLE FOR WEAPONS. THESE ARE AVAILABLE IN SPECIALIZED RETAIL SHOPS.  
DO NOT USE ANY METALLIC OBJECTS NOR ANY PLASTICS (NYLON, etc.) FOR CLEANING THE WEAPON.

All weapons require regular maintenance, cleaning and inspection, which may lead to the necessity of readjustment or repair. Have the weapon inspected regularly by an authorised dealer or the manufacturer even if it seems to be in best shape. Broken parts, insufficient function, excessive strain or corrosion of some parts are not necessarily obvious during an external check. In case of ANY mechanical failure do not use the weapon anymore – UNLOAD the weapon and send it to an authorised dealer or to the manufacturer immediately.

### ATTENTION

IMMEDIATELY AFTER USING THE WEAPON THE BARRELS MUST BE CLEANED THOROUGHLY IN ORDER TO REMOVE ALL BURNING RESIDUES OF THE GUN POWDER. AFTERWARDS, OIL THE INSIDE OF THE BARRELS LIGHTLY. ALL EXTERIOR STEEL PARTS MUST BE DRIED AND OILED LIGHTLY. PAY SPECIAL ATTENTION TO ALL SLIDING PARTS.

### 5.1 Storing the weapon



### DANGER

FOLLOW THE NATIONAL REGULATIONS FOR STORAGE OF WEAPONS AND AMMUNITION.

### ATTENTION

NEVER STORE A COCKED WEAPON.

## 6 Sights, scope mounts

### Open sights:

The standard model of the over-and-under rifle is equipped with an 'battue' open sight for driven hunts (luminescent height-adjustable front-sight and three-dot rear sight).

The standard models of the over-and-under combination gun and the "Bergstutzen" rifle are equipped with a post front sight and fixed rear sight.

### Scope mounts:

The scope mount base for the SAM (Suhler tilt-up mount) is located directly on the monoblock of the barrel unit.

Attach the scope mounts by placing the two lugs on the right side in the intended slots. (Figure 17)



Figure 17

By turning the both levers to the rear (clockwise) the scope mounts are securely fixed after it snaps into place. (Figure 18)



Figure 18

By pressing the latches on the levers these can be unfastened again. The scope mounts can be detached again. (Figure 19)



Figure 19

For adjustment of the torque of both levers the bolts on the left side must be loosened. Turning the two bolts behind will adjust the torque. (Figure 20)



Figure 20

## 7 Warranty

The Merkel Jagd- und Sportwaffen GmbH meets the highest quality requirements. That is why we extend the warranty period for the first purchaser of the weapon to 3 years from purchase date including the legal warranty period. After expiration of legal warranty we can further guarantee for all metal and plastic parts of the weapon which show deficiencies due to material or processing defects. This guarantee will only be fulfilled due to legal regulations for rectification works.

Conditions for acceptance of warranty claims are:

- report of defect within one month after its detection
- receipt of the warranty certificate which is attached to this manual within 20 days after purchase
- qualified assessment and decision by the manufacturer.

We reserve the right to charge for any ensuing cost in case the warranty claim proves to be unjustified.

### 7.1 Packaging / Shipping

If you want or have to ship your weapon, please use appropriate packaging. If needed you can get this in specialized retail shops or from the manufacturer.



#### **WARNING**

BEFORE SHIPPING THE WEAPON, MAKE ABSOLUTELY SURE THAT THE WEAPON IS UNLOADED.



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Always ship weapon and ammunition separately. Follow the national regulations for shipments of weapons and ammunition.

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## MERKEL Warranty Card

Model: ..... Firearm no: ..... Caliber: .....

MERKEL Jagd- und Sportwaffen GmbH grants a 5-year warranty for this firearm from the date of purchase (see warranty conditions).  
By signing this card, the owner confirms that he/she is familiar with the use of this firearm and that he/she has read and understood and accepted this instruction manual and all safety instructions stated herein.

Name of buyer: ..... Date of purchase: .....

Vendor: .....

Date: .....

Signature: .....

Please return the completed and signed warranty card to us within 14 days after purchase.



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