SCHMEISSER

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.22LR

INTERCHANGEABLE SYSTEM

USER MANUAL

CONTENTS

Important safety instructions 16

Compatibility 17
Lower Receiver 17
Optional use of suppressors 17

Loading, Firing, Unloading 18
Loading the magazine 18
Loading the rifle 18
Firing 19
Unloading the rifle 19

Disassembly & Reassembly 20
Disassembly of the interchangeable system 20
Reassembly of the interchangeable system 20
Reassembly of interchangeable system and lower housing half 21

Cleaning & Maintenance 22
Cleaning procedure 22
Lubrication 23
Magazines – care & notes 23

Troubleshooting 24
Misfire (failure to fire) 24
Clearing malfunctions 24

IMPORTANT SAFETY INSTRUCTIONS





The safe handling of firearms is the personal responsibility of each individual user. Please ensure that you take all necessary measures to handle the firearm safely at all times, consistently observe the safety rules, and practice them regularly.

Although the following points cannot be an exhaustive list, the five most important basic rules for the safe handling of firearms are the following:

1. Always treat a firearm as if it is loaded. It is solely your responsibility to check the firearm's condition at all times and to recognize when you are handling a loaded firearm.

2. Never point a firearm at anything you do not intend to shoot. Always ensure the muzzle is pointed in a safe direction – even when the firearm appears to be unloaded.

3. Always be sure of what is behind and beside your target. Avoid collateral damage under all circumstances. The muzzle must always be pointed in a safe direction; this is especially important during activities in the home, for example when cleaning or otherwise handling the firearm.

4. Never place your trigger finger on the trigger or inside the trigger guard, unless you are immediately about to discharge the firearm at the intended target.

5. Store firearms at all times in accordance with applicable legal regulations and always out of the reach and access of unauthorized persons.



COMPATIBILITY

Lower Receiver

The .22LR conversion system is designed for optimal compatibility with Mil-Spec lower receivers. Due to the wide variety of manufacturers and production tolerances, compatibility with all lowers available on the market cannot be guaranteed. We recommend using only hammers with a straight striking face — for example, Mil-Spec triggers. Triggers with angled or rounded striking faces may damage the firing pin or cause malfunctions, as in rimfire small-caliber systems the firing pin sits higher than in AR-15 centerfire configurations. Damage to the conversion system caused by unsuitable or improperly assembled and used lower receivers is not covered by the manufacturer's warranty.

Ammunition

To ensure reliable operation, the use of High Velocity (HV) ammunition is recommended.

Optional use of suppressors

The .22LR conversion system supports the installation of suppressors: The muzzle is equipped with a 1/2×28 UNEF thread and can accommodate compatible suppressors.

LOADING, FIRING, UNLOADING

Magazine

Our .22 LR interchangeable system is delivered with a 10-round magazine. Optional magazines with a 25-round capacity are also available. We cannot guarantee the functionality of third-party magazines and therefore recommend using only original .22 LR Schmeisser / Messerschmitt magazines.

Loading the magazine

Hold the empty magazine upright in your hand. Pull the button located on the left side of the magazine slightly downward and insert a suitable .22 LR cartridge with the bullet pointing forward beneath the magazine lips until the cartridge rests at the rear. Repeat the procedure until the magazine's maximum capacity is reached.

Loading the rifle

1. ⚠ Hold the rifle in one hand and always point it in a safe direction.
2. ⚠ Never keep your trigger finger on the trigger or inside the trigger guard.
3. Unlock the charging-handle latch with your other hand and pull the charging handle fully to the rear.
4. Check through the ejection port that there is no live cartridge or spent casing in the chamber; keep the chamber clear.
5. Let the charging handle glide forward (the striker/hammer has already been cocked by the manual cycling of the action).
6. Set the safety lever to the "SAFE" position.
7. Insert the loaded magazine from below into the magwell without using excessive force until it is felt to lock into the magazine catch and a distinct click is heard. The bullets should be pointing forward toward the muzzle.
8. Pull down lightly on the magazine, without operating the magazine release, to check that the magazine is seated securely in the magwell.
9. Pull the charging handle fully to the rear and release it forward from that position (do not feed it forward slowly – this can cause feeding problems).

Warning!

After these steps you will be holding a fully loaded rifle. Be sure to observe all safety rules.

Firing

Your rifle is now ready to fire. While observing all safety rules you may assume the firing position, aim, disengage the safety and fire until the desired number of rounds have been expended, or the magazine is empty.

Warning!

After you finish shooting, immediately re-engage the safety.

Unloading the rifle

It is important to distinguish whether there are still cartridges in the magazine or chamber, or whether the magazine is empty and the bolt is being held open by the bolt catch. Observe safety rules. Press the magazine release and remove the partially or fully emptied magazine.

Warning!

There may still be a live cartridge in the chamber — removing the magazine alone does not automatically make the firearm safe. Always check the condition of your firearm, fully unload it and secure it before setting the firearm down. Always verify by looking through the ejection port that the chamber is clear and that there is no live cartridge or spent casing inside.



DISASSEMBLY & REASSEMBLY

This section describes the “field” disassembly of the interchangeable system for maintenance and visual inspection — sufficient for normal maintenance and inspection work. Further disassembly should not be performed by the end user; if you nevertheless believe that deeper disassembly is necessary, contact your dealer or importer beforehand so as not to jeopardize warranty claims.

Wear safety glasses when working with cleaning agents, compressed air or spring-loaded parts.

Warning!
Before any work or intervention, make sure the firearm is completely unloaded and safe. Verify by looking through the ejection port that there is no live cartridge or spent casing in the chamber. Remove any ammunition and loaded magazines from your work area.

Disassembly of the interchangeable system

Place the interchangeable system on the table in front of you with the muzzle pointing to the left.

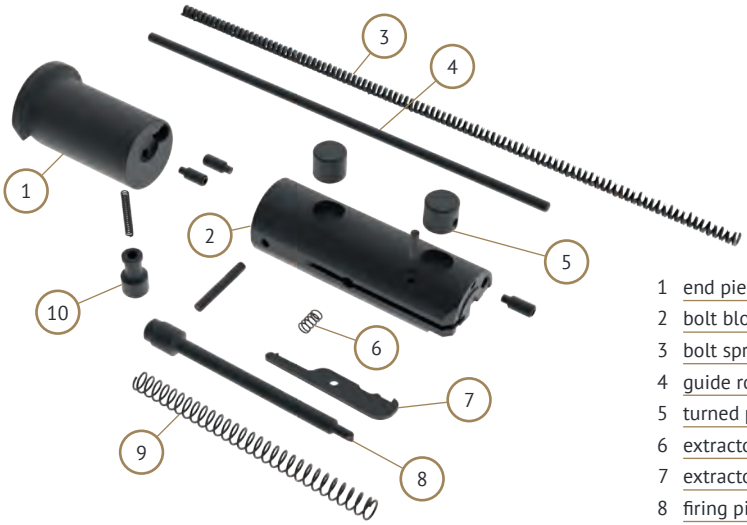
1. Hold one hand behind the end piece of the spring guide and press the push button on the underside of the end piece so that the end piece can slide backward out of the upper housing.
2. Unlock the charging-handle latch and pull the charging handle to the rear.
3. The end piece and bolt follow the charging handle and can be pulled rearwards out of the housing.
4. Pull the charging handle down a small amount and then to the rear and then remove it completely from the housing.

No further disassembly steps are required for “field” cleaning and should not be performed.

Reassembly of the interchangeable system

Reassembly is carried out in the reverse order:

1. Insert the charging handle from the rear, from below into the housing so that the two cams fit into their respective cutouts in the housing.
2. Press the charging handle upward into its end position and push it halfway into the housing (toward the muzzle).
3. Insert the bolt with guide rod, return spring and end piece from the rear, from below into



bolt assembly of the interchangeable system

1 end piece
2 bolt block
3 bolt spring
4 guide rod
5 turned part
6 extractor spring
7 extractor
8 firing pin
9 firing pin spring
10 push button

the housing. Make sure that the top part of the bolt rests in the recess at the underside of the charging handle. Push the complete bolt into the housing until it stops.

4. Unlock the latch and push the charging handle forward until the latch engages in the slot in the housing.

5. Hold the push button on the end piece depressed and push the end piece into the housing until the push button snaps into the recess on the underside of the housing.

Reassembly of interchangeable system and lower housing half

1. Align the holes for the front takedown pin on the interchangeable system and the lower housing half and push the front takedown pin through.

2. Fold both housing halves together at the rear and connect them with the rear takedown pin.

3. Use the charging handle to move the bolt a few times and check for smooth, unobstructed operation.

CLEANING & MAINTENANCE

The interchangeable system should be cleaned after approximately 500 rounds or when visible fouling occurs.

Wear safety glasses when working with cleaning agents, compressed air or spring-loaded parts.

Warning!
Before performing any work or intervention, ensure the firearm is completely unloaded and safe. Verify by looking through the ejection port that there is no live cartridge or spent casing in the chamber. Remove any ammunition and loaded magazines from your work area.

Separate the interchangeable system from the lower receiver and perform a "field" disassembly (see previous steps).

Optional, to allow free working space:
Secure the interchangeable system in suitable vise jaws of a bench vise for work safety (use only the recommended, optionally available vise jaws). Tighten the vise only enough to hold the weight of the interchangeable system securely.

⚠ Never apply excessive pressure between the vise jaws, as this can cause irreparable damage to the interchangeable system!

Cleaning procedure

- Clean the exterior of the interchangeable system with a brush, nylon brush or a lint-free cloth.
- Always clean the barrel from the chamber toward the muzzle (never the other way around).
- Use a one-piece, jacketed cleaning rod suitable for .22 LR. Alternatively, a suitable cleaning cord/bore-snake may be used.
- Push a cleaning patch soaked with gun oil or a suitable cleaning solvent through the bore; allow the solvent to act for a few minutes; then pull it through several times without dwell time.
- Push clean, dry cleaning patches through the bore repeatedly until they come out clean and without discoloration.
- Clean internal parts (housing interior, floor of the housing, extractor claw, bolt, guide piece, feed ramp) with a nylon brush. Repeat the process on the nylon brush with gun oil or a weapon-specific cleaner if necessary.
- Then dry the parts with a lint-free cloth.
- Using a flashlight, inspect the bore and the above-listed components for further fouling, damage or wear.
- Lightly coat the charging handle and bolt assembly with a few drops of gun oil/ lubricant.

interchangeable system
"field stripped"



1 bolt assembly
2 charging handle

- If necessary, also clean the muzzle of the interchangeable system. Be very careful here to avoid damaging this sensitive area of the barrel.

No further disassembly steps are required for "field" cleaning and should not be performed.

Lubrication

The required amount of lubricant/oil to be used depends on usage and various other factors.

After a basic cleaning, lubrication with a medium-viscosity oil is generally sufficient in most climates.

In cases of extended use without cleaning, high round counts, or hot and dusty conditions, the amount of lubricant should be slightly increased and the cleaning and lubrication intervals shortened.

In very cold environments (+1.5 °C or colder), we recommend using a low-viscosity lubricant or, if necessary, no lubrication at all in order to prevent the lubricant from freezing and to maintain proper firearm function.

Magazines – care & notes

Also clean the magazines of your interchangeable system regularly:

Turn the magazine upside down and clean the follower and magazine lips with a nylon brush. To do this, press the button located on the left side of the magazine slightly downward so that the magazine lips are easier to reach.

No further disassembly and field cleaning of the magazine interior is intended. Do not use wet lubricants such as oil or grease on the inside of the magazine.

TROUBLE-SHOOTING

Misfire (failure to fire)

If a cartridge fails to fire: immediately place the firearm on safe and keep it pointed in a safe direction.

⚠ Never open the action immediately – wait at least 30 seconds up to 1 minute to rule out a possible delayed ignition (hangfire).

After an appropriate waiting period, fully unload the firearm (as described above) and verify the condition by looking through the ejection port to ensure there is no live cartridge or spent casing in the chamber and that the chamber is clear.

Clearing malfunctions

In the event of a malfunction: place the firearm on safe and keep it pointed in a safe direction. Remove the magazine, pull the charging handle to the rear and, by visual inspection through the ejection port, ensure there is no live cartridge or spent casing in the chamber and that the chamber is clear.

Check for jammed/tilted live cartridges, spent casings or foreign objects in the receiver or bolt path and remove them if present.

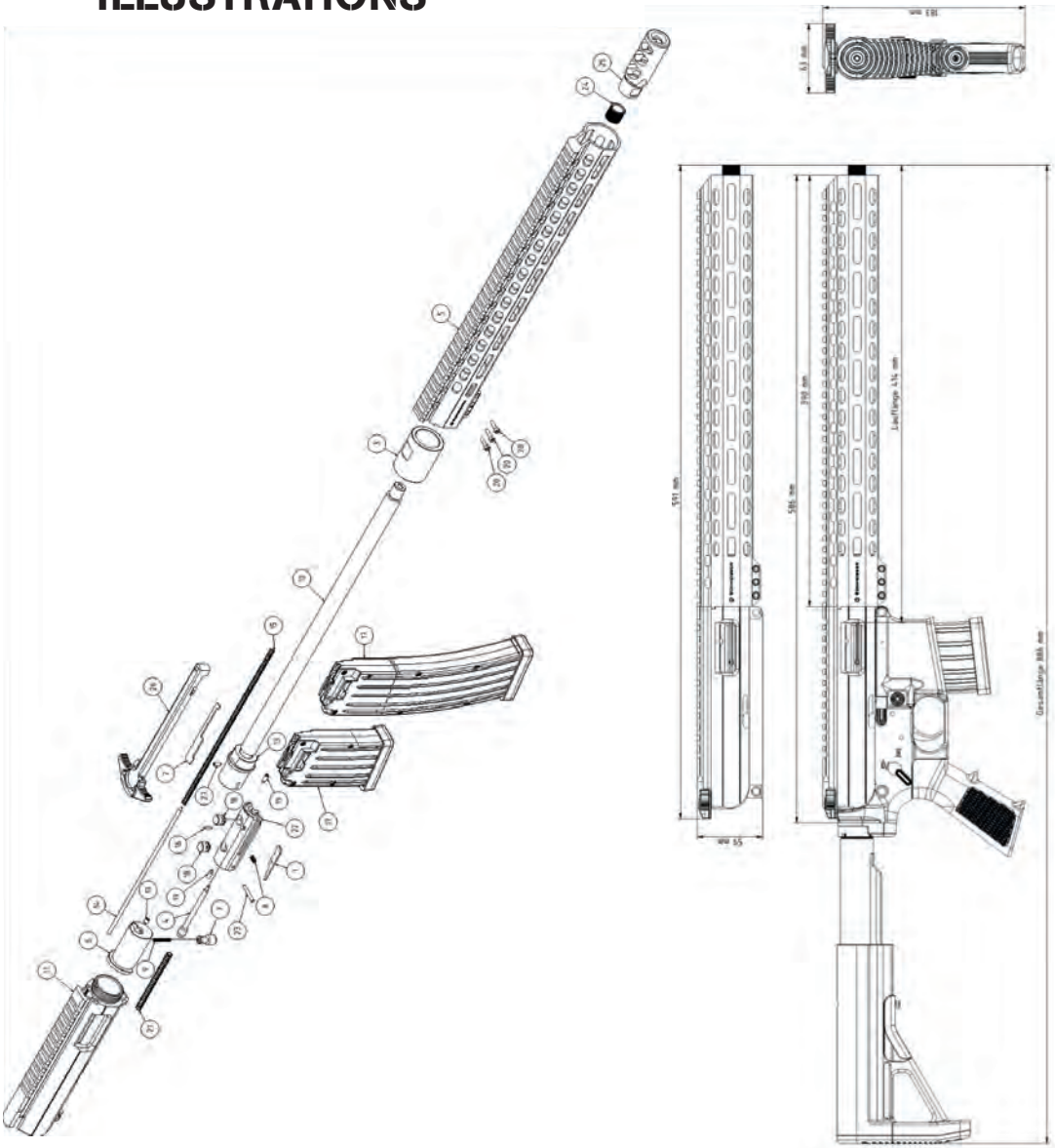
Important!

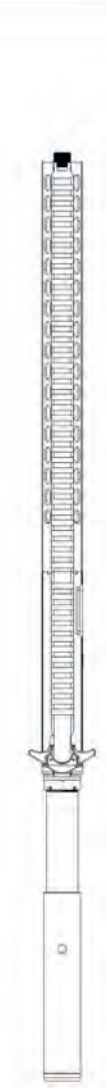
Removing the magazine alone does not guarantee the firearm is unloaded – always check the condition of your firearm and whether a live cartridge remains in the chamber.

To do so, unlock the charging-handle latch and pull the charging handle fully to the rear.

Before performing any work, cleaning or other operations on or with the firearm, always ensure it is completely unloaded and on safe. Verify by looking through the ejection port that there is no live cartridge or spent casing in the chamber and that the chamber is clear.

ABBILDUNGEN
ILLUSTRATIONS





Item No.	Description
1	Auszieher / extractor / extracteur
2	Auswerferblech / ejector plate / plaque d'éjection
3	Laufmutter / barrel nut / écrou de canon
4	Schlagbolzen / firing pin / percuteur
5	Handschutz / handguard / garde-main
6	Endstück / end piece / pièce finale
7	Druckknopf / push button / bouton-poussoir
8	Feder für Auszieher / extractor spring / ressort d'extracteur
9	Feder für Druckknopf / push-button spring / ressort du bouton-poussoir
10	DIN 915 - M4 x 6 / DIN 915 - M4 x 6 / DIN 915 - M4 x 6
11	Upper Receiver / upper receiver / boîtier supérieur
12	Lauf / barrel / canon
13	Laufblock / barrel block / bloc de canon
14	Federführungsstange / guide rod / tige-guide
15	Verschlussblockfeder / bolt block spring / ressort du bloc de culasse
16	Pin ISO 8734 - 2,5 x 10 / pin ISO 8734 - 2.5 x 10 / goupille ISO 8734 - 2,5 x 10
17	10 & 25 Schuss Magazine / 10 & 25 round magazines / chargeurs de 10 et 25 coups
18	Drehteil / turned part / pièce tournée
19	DIN 915 - M4 x 10 / DIN 915 - M4 x 10 / DIN 915 - M4 x 10
20	DIN 912 - M3 x 12 / DIN 912 - M3 x 12 / DIN 912 - M3 x 12
21	Schlagbolzenfeder / firing pin spring / ressort de percuteur
22	Verschlussblock / bolt block / bloc de culasse
23	ISO 8734 - 3 x 22 / ISO 8734 - 3 x 22 / ISO 8734 - 3 x 22
24	Abdeckkappe / cover cap / capuchon de protection
25	Mündungsbremse ½" – 28 UNEF / muzzle brake ½" – 28 UNEF / frein de bouche ½" – 28 UNEF
26	Ladehebel / charging handle / levier d'armement
27	ISO 4026 - M3 x 8 / ISO 4026 - M3 x 8 / ISO 4026 - M3 x 8



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