

# SCHULTZ & LARSEN



User Manual for the Schultz & Larsen  
**Sporting Rifles**

## **Introduction**

Congratulations on your new Shultz & Larsen rifle made from top quality materials using precision production techniques to give you a great shooting experience. The Schultz & Larsen family of rifles all use the same receivers. They have a barrel change system that allows your rifle to shoot up to 20 different calibres. Please see the table included at the rear of this manual to see Barrel, bolt and magazine options and combinations possible to take full advantage of your rifles abilities.

## **Safety**

We have made your rifle as safe as possible through good design and materials BUT ultimately safety is in the hands of the user. Please treat your rifle with care and respect. If you are not sure about any adjustments or repairs take your rifle to the shop you purchased it from to ask them ensure your rifle is stored in a safe place.

## **Your Rifle | The Safety**

Your rifle has a three-position safety. Lever fully to the rear blocks the operation of the firing pin and the bolt. The middle safety position blocks the operation of the firing pin but allows unloading of the rifle whilst engaged. Fully forward allows you to fire.

Do not touch the trigger whilst moving the safety. Do not intentionally pull the trigger whilst the safety is engaged. Remember no mechanical device is infallible. Keep good gun manners.

## The Bolt

Your rifle is shipped with the bolt removed. If you have both Magnum and Standard bolts because you have extra barrels in different calibres ensure that you are installing the correct bolt for that calibre. To identify which is a standard or a magnum bolt simply look at the bolt face and you will see that the recess is of a bigger diameter on the magnum than on the standard. Later bolts have a s or an m stamped on the front of one of the locking lugs.

Magnum Bolt  
Note the  
thinner skirt



Standard Bolt  
Note the  
thicker skirt.

## To install the bolt:

Point the rifle in a safe direction and ensure the chamber is empty and either the magazine is removed or empty. Depress the bolt catch lever. Holding the rear of the bolt body insert the bolt into the rear of the receiver with the bolt handle in the 3 o'clock position on the right hand model (and 9 o'clock on the LHD model)

Push the bolt fully forward and release the bolt catch lever.

To remove the bolt from the rifle is the reverse of the above.

## The Barrel

Our barrels are of outstanding quality we are very proud of the accuracy of our barrels, as you will be too. Clean after using the rifle or when you have been out in wet conditions with patches and good quality gun oil from the chamber end to the muzzle. We do not recommend cleaning the bore with solvents.

## **The Trigger**

is adjusted at the factory. All adjustments must be made by a qualified gunsmith.

## **The Magazine**

The magazine is removed by firmly pressing the magazine release button, this is found just in front of the magazine.

Removal is by pulling straight out. To reinstall the magazine place the magazine squarely into the magazine then gently but firmly continue to press the magazine into the well until the catch engages.

The magazine normally requires no servicing or adjustment. There are four different magazine types. They are marked at the back of the magazine with a letter denoting what calibres it can take. Please look at the table at the rear of this manual for more information.

## **Cleaning, Lubrication and Servicing**

Proper cleaning and lubrication are important to ensure your rifle maintains its accuracy, safety and reliability. Only a qualified gunsmith should service or adjust your rifle. Normally all that is required to clean your rifle is wipe all metal surfaces with a soft, clean, lightly oiled cloth using a good quality gun oil. The stock can benefit from occasional rubbing in of a thin coat of linseed oil use your bare hand or a soft clean cloth to rub in. Take care not to get the linseed oil on the metal parts.

## **The Barrel Switch System**

By switching barrels your Shultz & Larsen rifle has the ability to shoot up to 20 different calibres. To see what calibres are available please look at the table at the rear of this manual. You may have to order a different bolt and/or magazine when you order an extra barrel.

## **Method For the Schultz & Larsen Slide & Lock Scope Mounting System.**

The scope mounts are made up of three separate main parts:

The top ring; the lower ring and the base.

(The base is supplied if you are mounting the system on a rifle with out the integral mounts machined on the receiver or onto a different make of rifle.)

### **Scope Mounting Method**

The lower rings are positioned on the rifle in either of the two positions, summer

or winter. (Please ensure that both rings are in the same season setting position i.e. summer - summer or winter - winter and never tighten the cross bolts if not mounted on the rifle)

*NB The Cross Bolt head for tightening the rings onto the rifle must be on the right hand side of the rifle.*

Place the legs of the lower ring into the season setting positions then firmly slide the lower ring forward until the recoil lugs stop further forward movement by sitting snugly against the forward edge of the season setting positions. (Gently squeezing the top of the lower rings together helps. This is required until the scope is in place)

The locking cross bolts on each of the two mounts are then turned clockwise until tight using a number 3 socket head key.

The scope is now placed onto the lower rings and the upper rings are now attached using the four screws supplied.

### **Method For Attaching Bases (if applicable)**

The mount bases are attached with the largest end (marked A on picture) towards the muzzle of the rifle.

We advise that a small amount of two component glue is used as bedding of the mounts taking care that no glue enters the screw holes which would make removal difficult if this occurred. Screw the bases to the rifle tightly with screws supplied



## Barrel removal and replacement:

Remove both action screws located in the bottom plate beneath the rifle. Lift the barrelled action off the stock. The barrel locking screws are visible on the right hand side at the front of the action. Slacken the front screw first, followed by the rear. It is not necessary to slacken the screws more than one turn.



Unlock the bolt. As the bolt locks into the barrel it is not possible to remove the barrel with the bolt closed. Grasp the barrel firmly and withdraw to the front.

Please note that the joint between barrel and action must be dry and free from oil on the surfaces. This is normal for any switch barrel rifle as a film of oil can affect accuracy. Wipe both surfaces dry before replacing the barrel.

Insert the barrel into the front of the action. There is a notch in the underside of the barrel breech that aligns with a stud in the action. Pull the barrel back firmly into the action and rotate gently until the stud drops into the notch and the barrel comes fully back onto the action. As a visual aid, the notch aligns with the stud when the barrel serial number is at the top.

Close the bolt. Closing the bolt positions the barrel correctly prior to tightening. Tighten the back screw first and the front screw second. Do not tighten either incrementally. Tighten back screw fully and then the front front screw fully. Do not over-tighten. Best practice is to loosely turn the screw down until it makes contact and then tighten a further 1/8th of a turn. Repeat with the rear screw.

Replace the barrelled action carefully onto the stock making sure the action is sitting fully down onto the steel bedding blocks. Keeping the action in position on the stock with the palm of the hand, turn the rifle over. Replace the bottom metal if you removed it. Insert both action screws and spin down the first until it makes gentle contact. Spin down the second screw in the same way.

Now, tighten the first screw 1/8th of a turn and repeat with the second. Return to the first and nip a further 1/16th of a turn and repeat with the second. As all Schultz & Larsen rifles are pillar bedded, correct tightening is less critical than it would be on none pillar bedded rifles, nevertheless, it is good practice to acquire the feel for tightening both screws evenly and to the same torque. It is not good practice to tighten one screw down with as much force as you can before doing the same with the other.

**Please Note:** If you are changing a Standard calibre barrel to a Magnum calibre barrel or vice versa, make sure you change the bolt accordingly. Standard calibre bolts are marked with an 'S' on the face of the bolt and Magnum calibre bolts are marked with an 'M'.

After refitting the barrelled action to the stock, check all functions. NOTE: check the rifle is unloaded and the magazine empty before carrying out any function checks. Open and close the bolt, operate the safety and ensure that in the back position the bolt is locked and the trigger inoperative. In the centre position, the trigger should remain inoperative but the bolt should open. In the forward position, the bolt should open and the rifle should fire when the trigger is pulled.

If, during the function checks, anything does not work as expected or feels different from usual, remove the stock again and carry out a function check without the stock. If all works normally the most likely cause is tightening the action onto the stock when it is not sitting fully on the bedding blocks. If you cannot rectify this yourself please call either your supplying dealer or the UK Distributor, contact details at the end of this Addendum.

## To Change the Barrel | Synthetic Stocks

Classic with synthetic stock. There are two holes in the right hand side of the stock. Insert the wrench and into the barrels locking screws and slacken both screws  $\frac{1}{4}$  turn.



Using the same wrench, slacken the front action screw in front of the magazine  $\frac{1}{4}$  turn. The barrel can now be slid forward into the barrel channel and lifted clear. When re-fitting insert the barrel with the notch facing down. Rotate whilst pulling back gently until the notch engages and the barrel goes fully home.

Close the bolt.

Tighten the rear barrel screw fully, followed by the front barrel screw. Do not overtighten.

Lastly, tighten the front action screw.

Please note:

That the barrel can only slide forward if there is sufficient clearance under the scope for the breech end of the barrel to pass under the scope.



## Barrel Options

Calibre	Magazine	Bolt
22-250 Rem	K	STD
.243 Win	K	STD
6mm N. Br.	1 Skud	STD
25.06	L	STD
6.5x55	L	STD
6.5-284	M	STD
.270 Win	L	STD
.270 WSM	KM	MAG
7x64	L	STD
7mm Rem Mag	M	MAG
7mm WSM	KM	MAG
.308 Win	K	STD
.30-06	L	STD
.300 Win Mag	M	MAG
.300 WSM	KM	MAG
.338 Win Mag	KM	MAG
.358 N. Mag	M	MAG
9.3x62	L	STD
.375 Dakota *	LM	MAG
.458 Win Mag	M	MAG

## **Schultz & Larsen 'Slide & Lock' Scope mounts:**

Whilst able to use separate Weaver base blocks or a Picatinny rail, Schultz & Larsen models, Classic, Victory and Legacy are machined to accept the Schultz & Larsen made 'Slide & Lock' all steel scope mounts without the need for additional bases. The individual slide & lock mounts are a one-piece steel construction, rust protected and hardened. On the Classic and Victory, the mounts can be positioned in either a 'Summer' or 'Winter' position. The scope being able to move backwards to compensate for additional cold weather clothing whilst retaining the same eye relief. Moving from summer to winter and vice versa, does not affect accuracy and the scope will retain zero. The Legacy, due to the short action length, only has one possible mount position.

Please note that the mount clamping screws must always be positioned to the RIGHT-hand side of the action. Mounts are normally one straight and one rearward extended. In normal applications, the extended mount is fitted at the front but there is no reason why it cannot be used at the rear of the action if that suits your purpose better. If required, mounts can be supplied as two straight or two extended at no additional cost.

To fit, simply position the mount over one of the two horizontal notches, press down evenly and slide forward until the mount is fully forward in that position. Tighten the clamp screw on the right and the mount is secure. If your mount is difficult to slide forward, check that it is down evenly on both sides and engaged in the slots. If it is, firm pressure with the thumb at the rear of the mount will see it move forward into the correct position.

When fitting mounts to the rifle it is important that the clamping screws are NOT tightened at all before the mounts are in position on the action. Tightening off the action will almost certainly cause damage to the mount. It is recommended that the mount be positioned on the rifle and tightened in place before the scope is fitted to the mount. Set the scope in the correct position for eye relief (Ocular lens about 280mm from the heel of the stock will be very close for most). Replace caps and tighten cap screws in sequence, alternating right to left and front to rear. Do not tighten any screw fully but instead work them down in even stages. Try to keep the gap between cap and mount even on both sides. During tightening, check constantly that your reticule is vertical.

Once your scope is mounted, changing between summer and winter positions is simply a matter of slacking both the single clamp screws on the right of the mount, sliding the scope and mounts rearwards as one unit and lifting off the rifle vertically. Re-position, slide forward until the mount is fully forward in that position and tighten the clamp screws evenly until both are tight. Once again, tighten to light contact and a 1/8th 'nip' is about right.

### **Shooting in:**

All Schultz and Larsen barrels are individually lapped at the factory and shooting in is not required. The manufacturer does not recommend the use of solvents as these may be potentially damaging to the bore. Your Schultz & Larsen rifle is micro rifled and not prone to copper fouling and should this occur it is easily removed with a phosphor bronze brush. We recommend the VFG felt cleaning system for best results. White felt for regular cleaning and the green 'intensive' felt, impregnated with phosphor bronze particles, for removing any stubborn areas of fouling or copper. Whilst we do not recommend solvents, a light film of oil in the bore will protect the bore from rust whilst in storage. Wipe the oil out of the bore with a dry patch or the white VFG felt before shooting.

### **Sound Moderators:**

Whilst Schultz & Larsen manufacture a large range of moderators to suit all needs, any moderator can be used on our rifles. Whether you choose one of the Schultz & Larsen range or any other, remove the moderator from the rifle immediately you have finished shooting for the day. Moderators trap gasses and moisture in the bore and can cause severe damage in a very short time. Leave screwing the moderator on as late as is practical and remove as soon as shooting is finished. Never store the rifle with the moderator attached. When attaching the moderator, make sure that it comes down snugly onto the shoulder of the barrel. The shoulder contact is what aligns the moderator and the thread should be loose enough to allow easy and firm contact with the shoulder. From time to time, check the moderator is tight down onto the shoulder. All Schultz & Larsen moderators have a design feature that keeps the moderator tight on the rifle after each shot but checking is a good habit to acquire.

**Technical Support:**

Please contact your supplying dealer in the first instance. Alternatively, you may contact the UK Distributor for Schultz & Larsen,

Alan Rhone Ltd,

6 Coed Aben Road,

Wrexham Industrial Estate,

Wrexham

LL13 9UH.

Telephone: 01978 66 00 01.

Email: [sales@alanrhone.com](mailto:sales@alanrhone.com)