

Schultz & Larsen
SYSTEMATIC PRECISION



User Manual for the Schultz & Larsen
M97-DL

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 M97-DL 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 M97-DL 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.

To change the barrel on a M97-DL

First check the rifle is not loaded and remove the magazine. Remove the bolt.

Remove the two cross bolts located under the rifle at either end of the magazine well.



Location of cross bolts

Lift the receiver/barrel out of the stock.
Loosen the barrel clamping bolts and pull the barrel



Barrel clamping bolts

forwards to remove it from the receiver.
(gently knocking the bolt rearwards against the bolt stop aids barrel removal if necessary)

Slide in the new barrel fully home with the locating slot at the six o'clock position.

Close the bolt

Gently tighten the clamping bolts-rear bolt first.

Place the receiver back into the stock and gently tighten the two cross bolts to reattach the stock.

Ensure that if you have changed from a standard calibre to a magnum calibre or vice-versa that you change the bolt as well and if necessary the magazine.

Take Down System

The M97-TD (Take Down) rifle is easily assembled and disassembled.

To take the rifle apart:



The Lever is in the 2 o'clock position. The barrel can now be



Lever is returned home and locked. The rifle is now ready for use.

Draw back the bolt and leave rearwards.
Simply press in the plunger (found at the front end of the magazine well) that holds the expander lever in its recess and allow the lever to pop out.
Turn the expander lever to the 2 o'clock position.
Draw the barrel forward out of the receiver. (Gently knocking the bolt rearwards against the bolt stop aids barrel removal if necessary)

To assemble the rifle:
If necessary wipe with a clean dry cloth the mating surfaces of the barrel and the receiver
Slide the barrel into the receiver until fully home.
Close the bolt.
Turn the expander lever to the 6 o'clock position.
Press the expander lever into its recess it should now be locked by the plunger.
The rifle is now assembled.

If you have ordered extra barrels for your takedown after you have purchased it you can change the fore stock onto your new different calibre barrel by unscrewing the unbrako/allen key grub screw found on the underside of the fore stock. And slide the fore stock forward on the dovetails.

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)

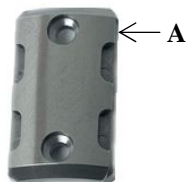
The locking cross bolts on each of the two mounts are then turned clockwise until tight using a number 3 socket head key.

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



Available Calibres and Appropriate Bolt/Magazines

Calibre	Magazine	Bolt
22-250 rem	K	STD
243 win	K	STD
6mm N Br.	Single shot	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.	M	MAG
358 N mag.	M	MAG
9,3x62	L	STD
375 Dakota	LM	MAG
458 win mag.	M	MAG
6,5 x 47 Lapua	K	STD
7-08	K	STD
375 Ruger	BM	MAG
416 Taylor	M	MAG

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