

**Attention:**

This operator's manual should be read carefully before using the air rifle.

**Important measures when using arms:**

All firearms can be dangerous; they should be used and stored with utmost caution!

Always treat an unloaded weapon as if it were loaded. Never put your finger on the trigger, except when actually firing a shot. Always ensure that the weapon is pointing in a safe direction. Keeping the weapon in perfect condition ensures safety.

**Weapons must always be stored out of the reach of unauthorized persons.**

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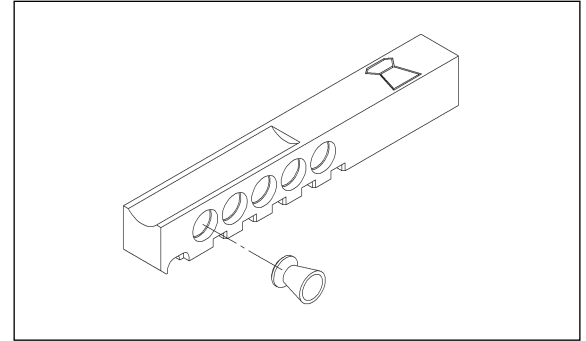
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## 1 TECHNICAL DATA

Calibre .....	4,5 mm (.177)
Overall height of weapon .....	270 - 300 mm
Overall length of weapon .....	979 - 1005 mm
Overall width of weapon.....	50 mm (without magazine and tensioning lever)
Total weight of weapon .....	ca. 3615 g
Sight length .....	700 - 770 mm
Front sight .....	front sight tunnel
Rear sight.....	rear sight / dioptre
Barrel length.....	425 mm
Maximum filling pressure .....	200 bar

## 2 FILLING THE MAGAZINE

Place pellets one after the other, as shown, into the magazine chamber.

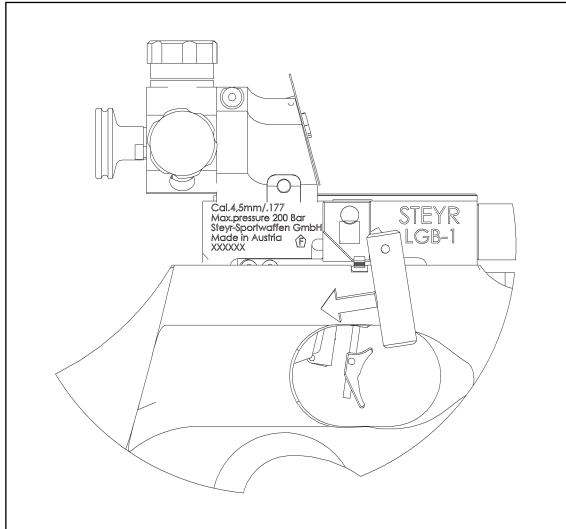


### 3 COCKING, INSERTING THE MAGAZINE (LOADING), FIRING

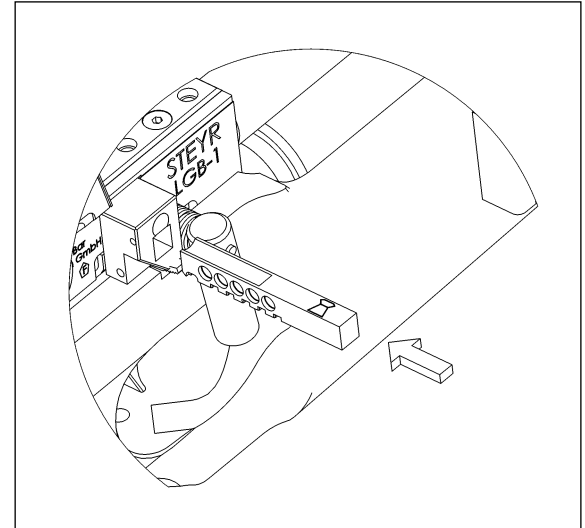
The magazine may be inserted only when the rifle is cocked. It is impossible to insert the magazine the wrong way because the recess on the magazine and the spring sleeve in the magazine housing must match.

#### Process:

- 1.) The System is cocked if the cocking lever is pulled fully to the rear.

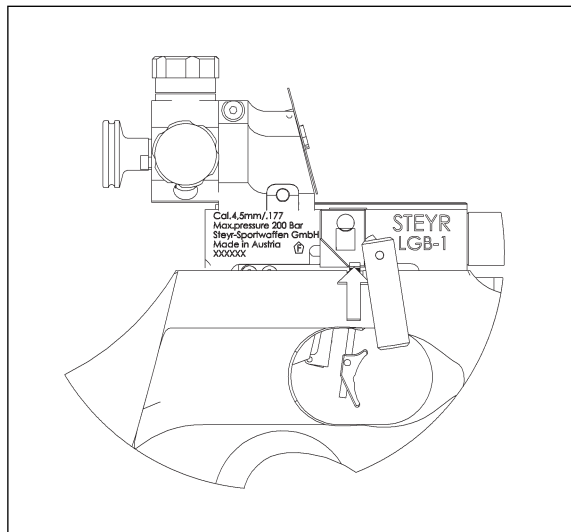


- 2.) The filled magazine has to be fully inserted from the right to the left in the magazine port. The rifle is now ready for firing.



## 4 REMOVING THE MAGAZINE (UNLOADING)

The magazine is empty when all five shots have been fired but the system is still cocked. The magazine catch located at the bottom right of the magazine tube has to be pressed for the magazine to be removed. If you try to fire a sixth shot the system has to be cocked again in order to be able to remove the magazine.



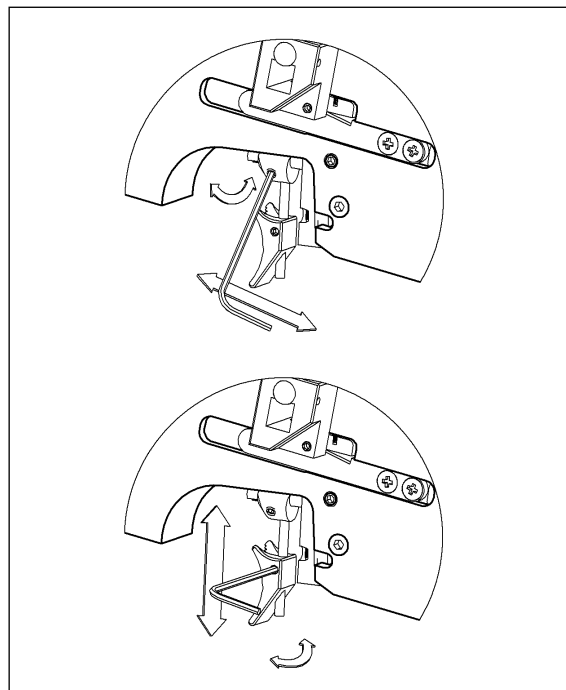
**PLEASE NOTE:** The magazine may also be removed without emptying it. When pressing the magazine catch, ensure the magazine, which is under spring pressure, does not fly out.

## 5 TRIGGER ADJUSTMENT

**PLEASE NOTE:** Before making any changes to the trigger, ensure that the weapon is **UNLOADED**.

### 5.1 Trigger blade adjustment:

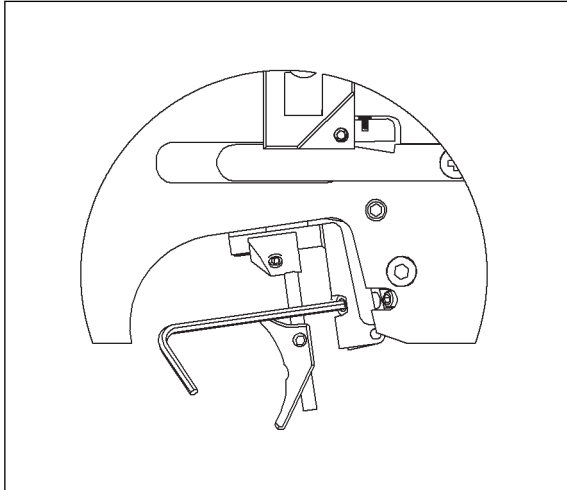
The trigger blade may be moved either to the left or to the right and moved in a longitudinal direction.



### 5.2 Adjusting the trigger stop:

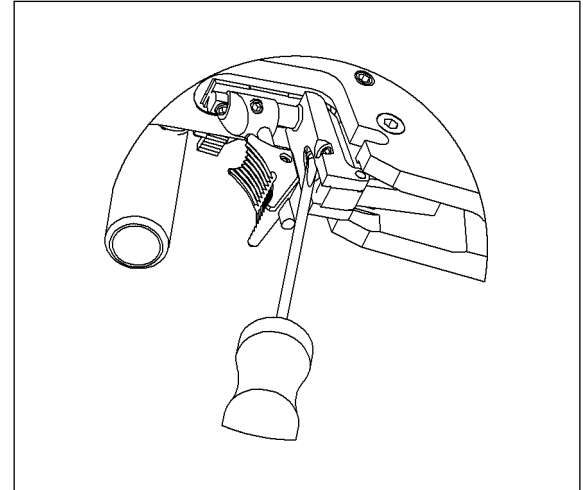
Turning the screw clockwise (as shown in the illustration) shortens the “after travel” of the trigger blade after shot release. Turning the screw anticlockwise lengthens the “after travel” after shot release.

**PLEASE NOTE: Too fine adjustment of the trigger stop may cause inconsistent trigger weight and release.**



### 5.3 Adjusting the trigger pull force:

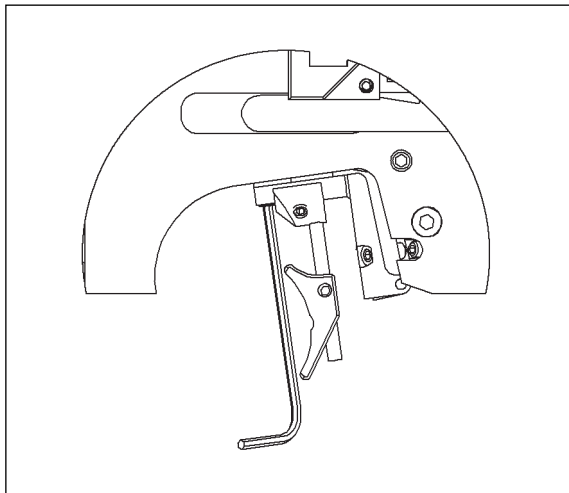
Turning the screw anticlockwise reduces the trigger pull force. Turning the screw clockwise increases the trigger pull force.



#### 5.4 Adjusting the first stage travel:

Turning the screw clockwise reduces the dead travel. Turning the screw anticlockwise increases the dead travel.

**PLEASE NOTE:** Too fine adjustment of the first stage travel may cause inconsistent trigger weight and trigger release.



## 6 SIGHT ADJUSTMENT

One click of the adjusting screw changes the point of impact position by 0.3 mm at a target distance of 10 m.

#### Vertical adjustments:

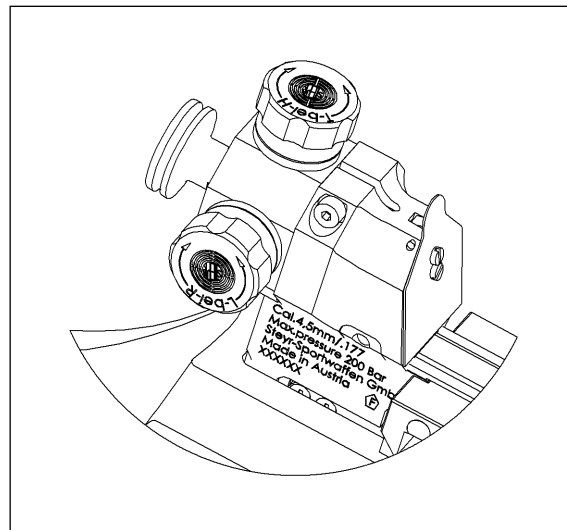
High hits: turn the upper adjusting screw in the direction of the arrow pointing to "H".

Low hits: turn the upper adjusting screw in the direction of the arrow pointing to "T".

#### Horizontal adjustments:

Right hits: turn the side adjusting screw in the direction of the arrow pointing to "R".

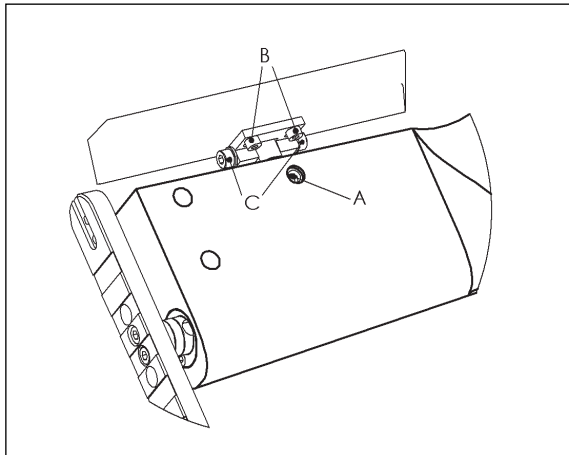
Left hits: turn the side adjusting screw in the direction of the arrow pointing to "L".



## 7 STOCK ADJUSTMENT

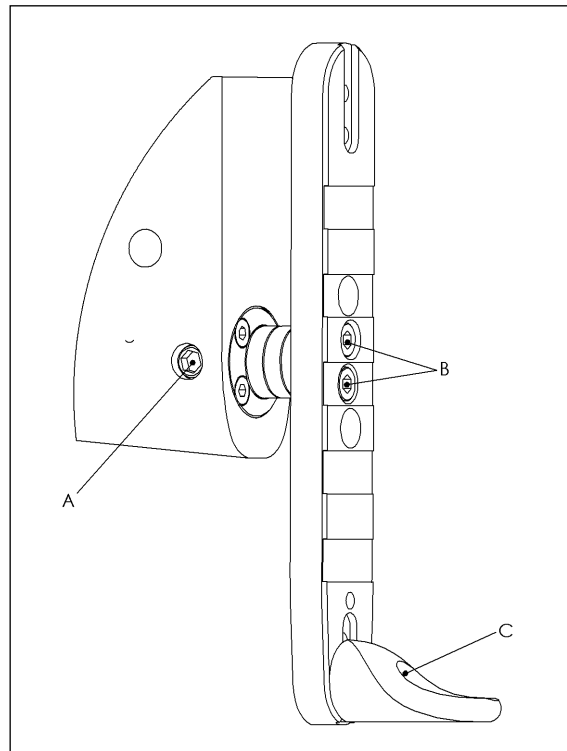
### 7.1 Cheek piece adjustment:

After loosening screw A the cheek piece can be moved vertically. After loosening screws B the cheek can be moved laterally and/or swivelled. After loosening screws C the cheek piece can be swivelled.



### 7.2 Butt plate adjustment:

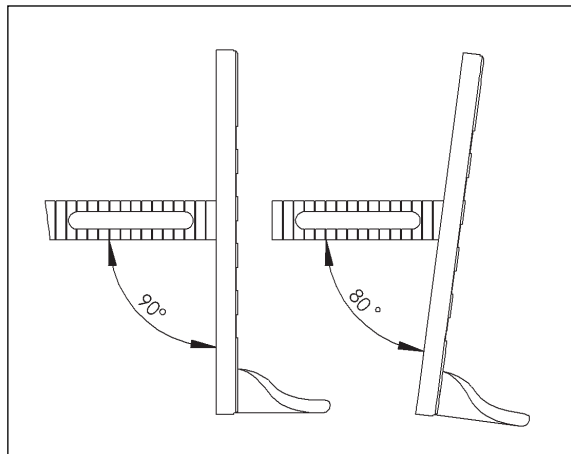
After loosening screw A the butt plate can be moved forward or backward. After loosening screws B the butt plate can be moved vertically. After loosening screw C the upper support can be adjusted.





### 7.3 Butt plate angle adjustment:

After loosening screws B (see page 39), the angle of the butt plate can be adjusted when switching the bar.



## 8 REPLACING AND REFILLING THE COMPRESSED-AIR CYLINDER

Our compressed-air cylinder corresponds to the directive 97/23/EG, Article 3, paragraph 3.

The legal requirements and rules of the respective country must be adhered to. Compressed-air cylinders have to be inspected after 10 years exclusively by the manufacturer. It is the responsibility of the customer to return the cylinders to the manufacturer.

The compressed-air cylinder may be unscrewed and removed at any time without being emptied.

**WARNING: Do not tamper with compressed-air cylinder and valve. It may cause injury!**

The compressed-air cylinder is to be charged with a maximum filling pressure of 200 bar.

For recharging the cylinder proceed as follows:

- either screw the compressed-air cylinder on a recharging bottle
- or screw the compressed-air cylinder on a hand pump
- or screw the compressed-air cylinder on a compressor.

## 9 CLEANING AND CARE

In normal use the weapon operates maintenance-free and no oiling is required. The only maintenance required is to slightly grease the O-ring in the loading port and the O-ring at the threaded adaptor socket for the compressed-air cylinder with a special lubricant (acid-free silicone grease) every 1000 shots. This will increase the service life of the O-rings. To clean the barrel shoot some dry (**not greased**) felt pellets or cleaning strings through the barrel (available at your dealer).

## 10 GUARANTEE CLAUSES

If within two years from the day of purchase any cracks or breaks should occur on this weapon that are due to material failure we undertake repair the defective parts free of charge. (except breakage or cracking of the stock or O-rings).

Guarantee will be given by either replacing or repairing the weapon or parts of it at our sole discretion. **The guarantee is only valid if the fully completed guarantee card is returned immediately after purchasing the weapon.**

**No guarantee claims will be accepted by the Steyr-Sportwaffen GmbH if:**

- a) the weapon has been damaged or destroyed by force majeure or environmental influences;
- b) in case of damages/defects having been caused by improper treatment, or handling or by lack of care.
- c) if the weapon has been repaired, machined or altered by any person or workshop other than an authorised Steyr Sportwaffen GmbH workshop.

**Claims for damages and product liability:**

- No claims for direct or indirect damages will be accepted.
- Liability for material damages resulting from the product liability law, BGBL 99/1988, as well as any product liability claims that could be derived from other provisions are excluded.
- The object of purchase warrants only that type of safety which may be expected in accordance with the homologation rules, service manual, manufacturer's instructions as well as any other pertinent information received.

The above clauses govern the full customer/manufacture relationship with our company. Any additional claims, in particular for any kind of damages or losses caused by the weapon or its use, are excluded.

#### **Guaranteed Steyr Sportwaffen accuracy:**

Our barrels are made from high quality barrel steel and are produced according to the latest findings in barrel production technology. Our weapons are well known for their outstanding accuracy. However, the accuracy of a weapon depends on several factors; one of the most important factors is the ammunition used. Not every ammunition "fits" every barrel equally good.

If you follow our suggestion, we guarantee that you will achieve outstanding accuracy with your new product.

## **11 PARTS LIST LGB-1**

<b>Item</b>	<b>Designation</b>
1	Housing
2	Trigger housing
3	Trigger blade carrier
4	Trigger lever
5	Disconnecter lever
6	Parallel pin
7	Set Screw
8	Set Screw
9	First stage screw
10	Spring
11	Pressure spring
12	Set Screw
13	Trigger blade carrier
14	Trigger blade
14A	Trigger assembly
15	Set Screw
16	Parallel pin
17	Pressure spring
18	Valve housing, Biathlon
19	Magazine block, right
20	Parallel pin
21	Parallel pin
22	Spring sleeve
23	Spring lock
24	Cover
25	Pressure spring
26	Spring
27	Magazine notch
28	Magazine cut-off spring
29	Pressure spring
30	Screw
31	Slide, left Biathlon
32	Striker
33	Slide, right Biathlon
34	Cocking lever shaft
35	Cocking lever
36	Cocking lever handle

Item	Designation
37	Countersunk screw
38	Screw
39	Pressure spring
40A	Trigger sear assembly
42	Parallel pin
43	Slotted cheese head screw
44	Set Screw
45	Screw
46	Pressure spring
47	Spring
48	O-ring
49	O-ring
50	Lock
51	O-ring
52	O-ring
53	Barrel Biathlon
50A	Pressure reducing valve assembly
54	Housing pressure reducing valve
55	O-ring
56	O-ring
57	Adj screw pressure reducing valve
58	Guiding sleeve
59	Cover
60	Screw
61	Cylinder adapter
62A	Piston
64	O-ring
65	Disc spring
66	Filter
67	Barrel cover Biathlon
70A	Front sight assembly
68	Front sight
69	Clamp screw
70	Front sight element
71	Clamping piece
72	Slotted cheese head screw
73	Magazine Biathlon
74	Single shot magazine

Item	Designation
75	Lock screw
76	Spring
77	Set Screw
80A	Compressed air cylinder assembly
78	Compressed air cylinder
79	Valve head
80	O-ring
81	O-ring
82	Pressure spring
83	Cylinder valve
84	Supporting ring
85A	Cylinder valve tappet assembly
87	O-ring
88A	Pressure gage
91	Biathlon stock
92	stock clamp socket
93	Pressure piece
94	Pressure spring
95	Magazine rack
96	Screw
97	Set Screw
98	Assembly rail
99	Screw
100	Assembly rail
101	Washer
102	Screw
103	Butt plate Biathlon
104	Stock lengthening
105	Butt plate
106	Washer
107	Slotted cheese head screw
108	Slotted cheese head screw
109	Thread insert
110	Cheek piece
111	Cheek piece bar
112	Cheek piece carrier
113	Slotted cheese head screw
114	Slotted cheese head screw

<b>Item</b>	<b>Designation</b>
115	Slotted cheese head screw
116	Countersunk screw
117	Connecting tube
118	O-ring
119	Set Screw
120	Srew
121	O-ring
122A	Barrel weight assy
122	Barrel weight Biathlon
123	Shutter rack
124	Muzzle & foresight protector
125	Slotted cheese head screw
126	Set Screw
127	Valve housing
128	Parallel pin
130A	Diopter
133	Diopter disc
135A	Clamping piece
136	Knurled knob
139	Elevation adjuster
140	Windage adjuster
141	Muzzle & foresight snow protectors
142	Diopter rail
143A	Adapter