

# BSA GUNS



## Supersport

AIR RIFLE

### Owner's Instruction Manual

#### **IMPORTANT**

Please read these instructions thoroughly before using your air rifle.

[www.bsaguns.com](http://www.bsaguns.com)



## **WARNING**

This air rifle is not a toy and requires adult supervision if used by a person under the age of 17 years. Misuse or careless handling may result in serious injury or death.

## **AIRGUN SAFETY CODE**

- Treat every rifle as though it was loaded. When handling any rifle or gun don't take anyone's word that it's unloaded, check it yourself.
- Never under any circumstances point your rifle at anyone.
- Never shoot on land without permission from the owner.
- Always ensure it's safe to shoot and be certain of your target before you squeeze the trigger.
- Be sure that there is a safe area behind the target or a backstop to catch your pellets. If in doubt, don't shoot.
- Beware of ricochets - do not shoot at water or other smooth surfaces that may deflect the pellet in a new direction.
- Make sure your rifle is unloaded when carrying it, or taking it indoors or into a car.
- Always unload your rifle before climbing fences or other obstacles.
- Never leave your rifle unattended, even if it's unloaded
- After use unload, clean, dry and lubricate your rifle before locking it away safely and out of reach of children. Store your pellets separately.
- Always follow the safety instructions in this booklet.

## **THE LAW**

It is illegal:

- to give an airgun to anyone under the age of 17 years;
- for anyone under 17 to be in possession an airgun, unless supervised by someone at least 21 years old\*
- to carry a loaded air weapon in a public place;
- to trespass on private land, or enter property without the owner's consent, with an air weapon;
- to kill or injure any bird or protected animal unless you are authorised to do so under the Wildlife and Countryside Act 1981; and
- to fire an air weapon within 15 metres (50 feet) of a road or street.

\* Persons over the age of 14 can use an airgun unsupervised only at an approved shooting club or on private land with the landowner's consent.

# BSA

## Supersport

### AIR RIFLE

The BSA Supersport is available with standard barrel or shorter length carbine model, in either .177, .22 or .25 calibre.

The standard Supersport has a beech stock and single-stage trigger. The de-luxe version has a high quality walnut effect stock and a two-stage trigger unit with gold blade.



- Fully adjustable trigger
- Manual safety catch
- Patented barrel latch for perfect barrel alignment
- Hand finished stock with ventilated recoil pad
- Adjustable open sights front and rear
- Dovetail scope grooves

## TECHNICAL INFORMATION

	Overall length	Barrel length	Weight
Rifle	104cm 42in	47cm 18 in	3Kg 6.6lbs
Carbine	97cm 39in	39cm 15 in	2.8Kg 6.2lbs

All BSA airguns are made to the highest standards at our factory in Birmingham. BSA barrels are cold hammered and rifled with 12 groove 1:19in rifling and crowned for optimum accuracy. Standard barrel length is based on 18in. The carbine version has a shorter barrel, finished with a barrel shroud threaded to take the BSA 'Multi-baffle' silencer.

Before leaving the factory every airgun is tested on special purpose machinery to verify velocity and pellet grouping. UK models are restricted to produce no more than 12 ft.lbs of muzzle energy.

Velocity:           .177 (4.5mm) 850 ft/s (260 m/s)  
                          .22 (5.5mm) 560 ft/s (170 m/s)  
                          .25 (6.35mm) 530 ft/s (160 m/s)

Figures shown are for guidance only. Actual velocity will depend on the weight and type of pellet used.

## GETTING STARTED

Your new BSA Supersport rifle is packed fully assembled and ready to fire. Before attempting to fire the rifle first read the safety notes at the front of this booklet and make sure you understand the following operating instructions.

### CAUTION!

Always wear protective glasses when shooting and make certain that persons close to you are similarly protected. Serious injuries can be caused by ricochets and debris flying off the target or backstop.

### Loading and firing

Ensure you have the correct calibre and type of pellet for your rifle BSA manufacture a range of recommended pellets suitable for target shooting or hunting under varying conditions.



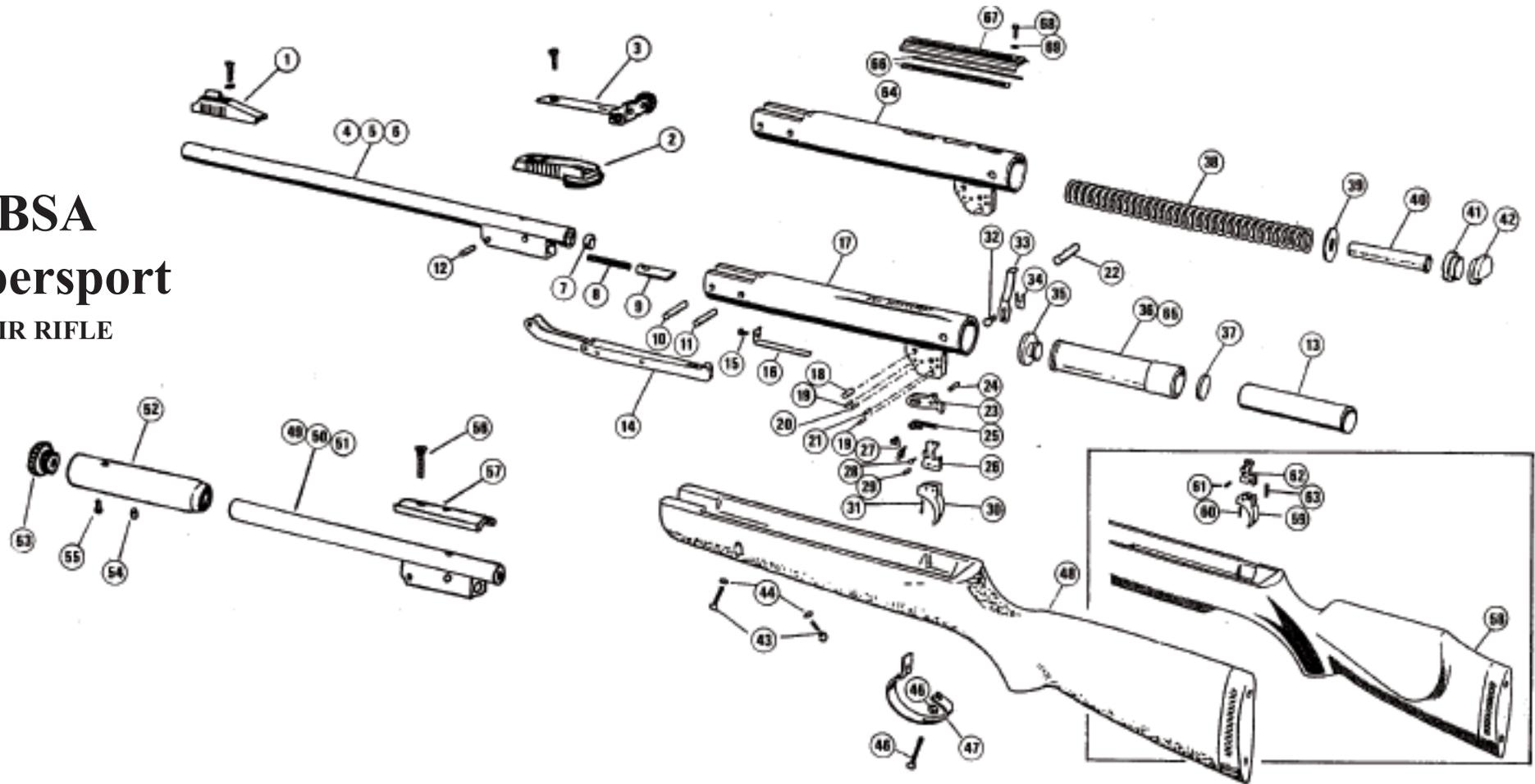
The safety catch is located on the right side of the action above the trigger. Engage the safety catch by pulling the lever backwards to the 'S' position. This is the 'safety' position, which locks the trigger to prevent the rifle firing.

With your fingers clear of the trigger area, grasp the pistol grip firmly and pull down the barrel until the trigger engages. Do not force the barrel beyond this point.

### CAUTION!

Like all mechanical devices, safety mechanisms can be adversely affected by wear, abuse, dirt or corrosion. Never assume that it is a foolproof way of preventing accidental discharge and always follow the safety code when handling an air rifle.

# BSA Supersport AIR RIFLE



PLEASE QUOTE MODEL PREFIX LETTERS AND  
PART NUMBER (NOT ITEM NUMBERS)

ITEM	DESCRIPTION	PART No.
1	Foresight Unit	16-3194
2	Backsight Unit	16-2770
3	Backsight Base Unit	16-2771
4	Barrel .177	16-3455
5	Barrel .22	16-3466
6	Barrel .25	16-4966
7	Barrel Sealing Washer	16-1050
8	Barrel Latch Spring	16-1034
9	Barrel Latch	16-1012
10	Barrel Axis Pin	16-2366
11	Barrel Stop Pin	16-3366
12	Cocking Link Axis Pin	16-5228
13	Piston Sleeve	16-4926
14	Cocking Slide	16-4846
15	Screw Fixing Slipper Plate	16-3164
16	Slipper Plate	16-4851
17	Cylinder	16-4852
18	Sear Axis Pin	16-1021
19	Sear Spring & Trigger Pin	16-1022

ITEM	DESCRIPTION	PART No.
20	Trigger Spring Pin	16-4853
21	Trigger Stop Pin	16-4854
22	Mainspring Retaining Pin	16-4855
23	Sear	16-3841
24	Sear Spring Support Pin	16-4856
25	Sear Spring	16-4857
26	Trigger Strut	16-4858
27	Trigger Spring	16-4859
28	Trigger Strut Safety Pin	16-4860
29	Trigger Adjusting Screw Plug	16-4861
30	Trigger Grip	16-4862
31	Trigger Adjusting Screw	16-4863
32	Safety Catch Axis Pin	16-4864
33	Safety Catch Lever	16-4865
34	Retaining Clip	16-4866
35	Piston Seal	16-4867
36	Piston	16-4868
37	Piston Weight (as required)	16-4869
38	Mainspring	16-0672

ITEM	DESCRIPTION	PART No.
39	Mainspring Seating Washer	16-4870
40	Mainspring Guide	16-4871
41	End Cap Locating Plug	16-4872
42	Cylinder End Cap	16-3560
43	Fore-end Screw (2)	16-3038
44	Nylon Bush (2)	16-5130
45	Rear Screw Washer	16-1097
46	Stock Rear Screw	16-1031
47	Trigger Guard	16-3842
48	Stock	16-4874
<b>CARBINE</b>		
49	Barrel .177	16-5058
50	Barrel .22	16-5059
51	Barrel .25	16-4964
52	Barrel Weight	16-5318
53	Barrel Weight Cap	16-5319
54	Grub Screw	16-5320
55	Socket Head Screw	16-5262

ITEM	DESCRIPTION	PART No.
56	Fixing Screw (long)	16-2997
57	Rear Sight Block	16-5321
<b>DE-LUXE VERSION</b>		
58	De-luxe Stock	16-5131
59	Trigger Grip	16-5349
60	Trigger Adjusting Screw	16-4863
61	Trigger Adjusting Screw Plug	16-4861
62	Trigger Strut	16-5375
63	Trigger Spring 1st Pressure	16-4888
<b>MAXIGRIP VERSION</b>		
64	Cylinder	16-4896
65	Piston	16-4890
66	Scope Rail Mounting Strip	16-4691
67	Scope Rail	16-5332
68	Scope Rail Stop Screw	16-4893
69	Scope Rail Stop Bush	16-4904

**CAUTION!**

If the safety catch is not applied and the finger touches the trigger the barrel will slam shut, causing damage to both the stock and barrel and possible injury to the shooter.

**RESULTING REPAIRS CAN BE EXPENSIVE AND ARE NOT COVERED BY THE WARRANTY.**

Insert one pellet nose first into the exposed barrel chamber. *Attempting to fire darts, balls or anything other than the recommended lead pellet may damage the rifle and will invalidate the warranty.*

Return the barrel to the closed position, making sure it clicks securely into place.



When you are ready to fire, move the safety catch forward towards the 'F' position. Return the safety catch to the 'S' position after firing (as shown on the previous page).

Note: Avoid prolonged 'dry firing' of your rifle (cycling and firing with an empty chamber) as this may cause damage to airway seals.

## FITTING A SILENCER

The carbine version can be fitted with the BSA multi-baffle silencer by first unscrewing the end cap and screwing the silencer directly onto the barrel weight.

Standard rifles will accept a volumetric silencer. It will be necessary to first remove the front sight assembly to enable the silencer to slide onto the barrel end. Lock in place with the integral Allen screw.



## FITTING TELESCOPIC SIGHTS



The standard BSA Supersport has machined dovetail grooves designed to accept a standard range of scope mounts. Mounts are available in three heights, to accommodate the diameter of the scope's objective lens. Refer to the scope manufacturer's instructions on fitting and adjusting.

Rigid single piece mounts are recommended for this type of rifle. If separate ring mounts are used it is strongly

advised that you also fit a BSA scope stop kit (part no. 18-1178) which has a shock absorbing pad to help protect the scope from recoil action. Single screw mounts should not be used.

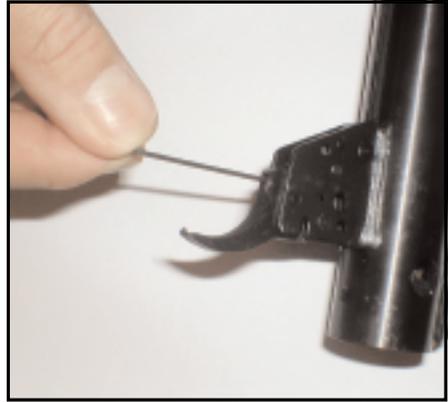
Models equipped with a Maxigrip scope rail will accept a wide range of scope mounts. The raised Allen screw at the rear of the Maxigrip rail doubles as an arrestor block. If not required, remove the bush beneath the screw.



## TRIGGER ADJUSTMENTS

The trigger can be adjusted for preferred weight of pull, using the Allen key provided. Turn the adjustment screw clockwise to increase the trigger weight or anti-clockwise to lighten it. The rifle must not be cocked or loaded when carrying out this adjustment.

In the interests of safety, take care not to over-lighten the trigger weight.



### Open Sights

To zero your rifle sights for elevation, first set up a target at a fixed distance and test fire one pellet. If the pellet strikes below the point of aim, slacken the two rear sight aperture plate screws to enable the plate to be raised slightly, re-tighten the screws and re-test.

Once an approximate zero has been found, finer adjustments can be made by rotating the knurled nut under the sight base. Turning it clockwise will raise the point of impact. The figures alongside the rear sight slide are for guidance only and do not represent distances.

Lateral adjustment is made by turning the windage knob. Turn it clockwise to move the point of impact to the left.

The fore sight element can be adjusted for height after first slackening its fixing screw. The element may be removed and inverted to give a choice of bead or blade. The rear sight plate can also be inverted to give a choice of notch or vee sighting.

**CAUTION!**

Dismantling and repair of this rifle should only be carried out by a competent gunsmith.

**CARE AND MAINTENANCE**

Your rifle has been designed and manufactured for optimum performance. Tampering with the components, or any modifications and alterations, may make the rifle unsafe to use and could invalidate the warranty.

All air rifles require periodic maintenance and inspection. Breakages, improper functioning, undue wear or corrosion of components may not always be apparent from external examination. So, even if everything seems to be in good working order, have your air rifle checked annually by a competent gunsmith.

If you notice ANY mechanical malfunction, perhaps as a result of dropping the air rifle, you should not continue to use it. Unload the air rifle and arrange for it to be professionally repaired. Failure to keep your air rifle in proper working order can be potentially dangerous.

You should always have the power of your air rifle re-checked following any maintenance or repair work. The smallest of repairs or adjustments can have an effect on the power. It is your responsibility to make sure the air rifle remains below the legal limit of 12 ft.lbs. **YOU ARE LEGALLY RESPONSIBLE TO OBSERVE THIS LIMIT.**

After each use, check that your rifle is unloaded and wipe the metal and wood-work surfaces with a lightly oiled cloth. Pay special attention to the metal finishes as they are not fully rustproof and are vulnerable to damp and particularly perspiration.

**NOTE: DAMAGE CAUSED BY LACK OF PROPER CARE AND MAINTENANCE IS NOT COVERED BY THE WARRANTY**

*Do not use oils containing SILICON as this can cause damage to metal surfaces and particularly to the trigger mechanism.*

The rifle should not be oiled or greased except as directed above or when overhauled by a gunsmith. Incorrect application of oil and grease can often do more harm than good.



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BSA Guns (UK) Ltd reserves the right to alter the designs or any constructional details of any product at any time without prior notice.

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