

BSA GUNS



Meteor

AIR RIFLE

Owner's Instruction Manual

IMPORTANT

Please read these instructions thoroughly before using your air rifle.

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

Meteor

AIR RIFLE

The BSA Meteor is regarded as one of the most successful air rifles ever made, with over 2 million sold world-wide. Available with standard barrel or shorter length carbine model, in either .177 or .22 calibre, the break barrel Meteor features the latest in specification detail.



- Adjustable trigger
- Manual safety catch
- Patented barrel latch for perfect barrel alignment
- Anti-beartrap cocking action safety mechanism
- Adjustable open sights front and rear
- Dovetail scope grooves

TECHNICAL INFORMATION

	Overall length	Barrel length	Weight
Rifle	104cm 42in	45cm 17 in	2.6Kg 5.75lbs
Carbine	97cm 39in	38cm 15 in	2.6Kg 5.75lbs

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. 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.

Velocity	77 (4.5mm)	650 ft/s (200 m/s)
	.22 (5.5mm)	500 ft/s (150 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 Meteor 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.

Loading and firing

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.

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.



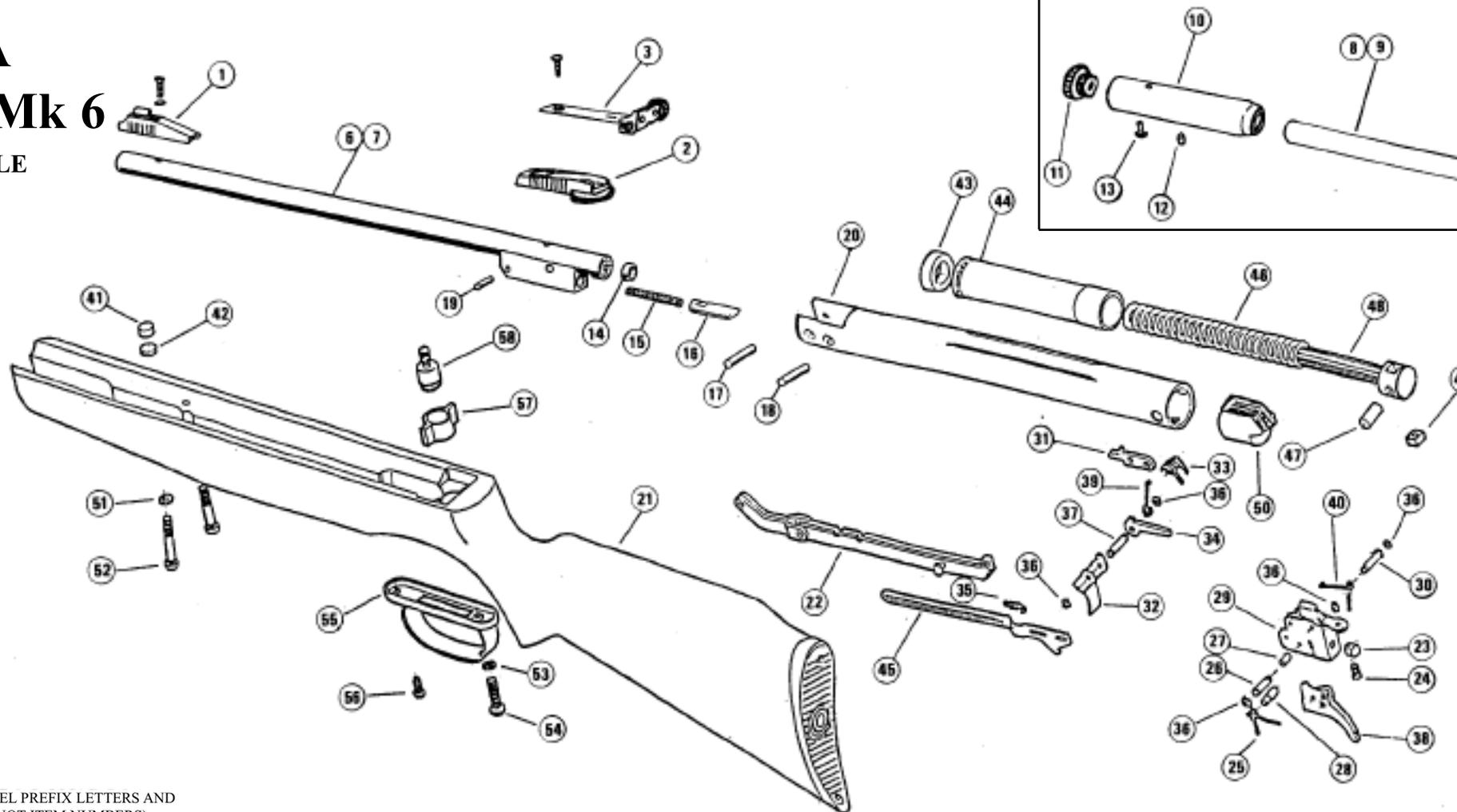
The safety catch is located in front of the trigger blade.

Engage the safety catch by moving it towards the trigger. This is the 'safety' position, which locks the trigger to prevent the rifle firing.

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 Meteor Mk 6 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	Rear Sight Block	16-5321
5	Backsight Fixing Screw (long)	16-2997
6	Barrel .177	16-3465
7	Barrel .22	16-3466
8	Barrel .177 (Carbine)	16-5058
9	Barrel .22 (Carbine)	16-5059
10	Barrel Weight	16-5318
11	Barrel Weight Cap	16-5319
12	Barrel Weight Grub Screw	16-5320
13	Barrel Weight Screw	16-5262
14	Barrel Sealing Washer	16-1050
15	Barrel Latch Spring	16-1034

ITEM	DESCRIPTION	PART No.
16	Barrel Latch	16-1012
17	Barrel Pivot Pin	16-5630
18	Barrel Stop Pin	16-5631
19	Pin Cocking Lever	16-5632
20	Cylinder	16-5633
21	Stock	16-5635
22	Cocking Lever	16-5636
23	Trigger Pull Adjusting Nut	16-5637
24	Trigger Pull Adjusting Screw	16-5638
25	Trigger Spring	16-5639
26	Cross Pin Safety	16-5640
27	Cross Pin Trigger Spring Axis	16-5641
28	Trigger Stop Pin	16-5642
29	Trigger Housing	16-5643
30	Cross Pin	16-5644

ITEM	DESCRIPTION	PART No.
31	Sear	16-5645
32	Safety Catch Blade	16-5646
33	Sear Spring	16-5647
34	Strut	16-5648
35	ABT Lever Spring	16-5649
36	Circlip	16-5650
37	Cross Pin Strut	16-5651
38	Trigger	16-5652
39	Strut Spring	16-5653
40	Safety Catch Spring	16-5654
41	Cocking Lever Slide	16-5655
42	Cocking Lever Stock Pad	16-5656
43	Piston Head	16-5657
44	Piston	16-5658
45	ABT Lever	16-5659

ITEM	DESCRIPTION	PART No.
46	Mainspring	16-5660
47	Cross Pin Main Spring	16-5661
48	Spring Guide	16-5662
49	Nut - Stock Fixing	16-5663
50	End Cap	16-5664
51	Fore-end Washer (2)	16-5665
52	Fore-end Screw (2)	16-5666
53	Rear Screw Washer	16-5667
54	Stock Rear Screw	16-5668
55	Trigger Guard	16-5669
56	Trigger Guard Screw	16-5670
57	Stock Recoil Plate	16-5671
58	Recoil Stud	16-5672

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. 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 to the forward position. Return the safety catch to the 'safety' position after firing.

For added safety, the BSA Meteor features an anti-beartrap mechanism to prevent the barrel snapping closed if the trigger is operated during loading.

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

FITTING TELESCOPIC SIGHTS

The BSA Meteor 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.



Only rigid single piece mounts are recommended for this type of rifle. Single screw mounts should not be used.

ADJUSTMENT

Trigger

The trigger has a two-stage operating mechanism and the second stage can be adjusted for preference. The adjustable screw is located behind the trigger blade. Using a fine screwdriver, turn the adjustment screw anti-clockwise to increase the trigger weight or 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 retest.

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 woodwork 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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