**R10 SE Rifle Instructions**

**Important - please read these instructions before using your rifle for the first time**

- Improved regulator
- Detachable barrel shroud and silencer

### Technical Information

All BSA airguns are made to the highest standards at our factory in Birmingham. BSA barrels are cold hammer forged and crowned for optimum accuracy.

Before leaving the factory every airgun is tested on special purpose machinery to verify velocity and pellet grouping. UK law dictates that air conform to this requirement. Export models are supplied to conform to the laws in the destination country.

### Gun Safety

- Make sure you know the laws relating to airguns, and abide by them.
- When you pick up any gun always check that it is not loaded.
- Never point a gun at anyone or anything that is not a legitimate target.
- Never leave your rifle unattended, even if it’s unloaded.
- Gun safety is a state of mind; never rely on a safety catch.
- After use, put your rifle away safely; unloaded and out of reach of children. Store your pellets separately.
- Always ensure it is safe to shoot and be certain of your target before you squeeze the trigger.
- Make sure there is a safe backstop behind your target to catch your pellet in case you miss.
- Be aware of obstacles – do not shoot at water or other smooth surfaces that may deflect the pellet in a different direction.
- Always unload your gun when crossing obstacles, taking it indoors or into a car.
- When carrying your rifle, be sure the muzzle is always pointing in a safe direction in case you should stumble.
- Never shoot on land without permission from the owner.

### Using Compressed Air

**CAUTION!**

Only dry breathing quality air should be used in guns. Never fill any gun with oxygen, or any other gas.

High pressure compressed air can be used safely provided proper procedures are followed, if you are not sure of the procedure ask your gun shop for advice.

Never try to fit a buddy bottle to the gun when the rifle is in a partially assembled state.

The removable buddy bottle can be filled from an air tank or using a hand pump. Whichever equipment is used, a pressure gauge and suitable hose and device must be included, and the manufacturer’s instructions must always be followed.

The buddy bottle can be removed and changed for a spare bottle in the field if required.

### Filling the Rifle with Air

A Quick-fill adapter is supplied with the rifle.

The maximum fill pressure for the rifle is 232 BAR. Do not ever charge the rifle as this may be dangerous. Doing so will reduce the power and can damage the rifle.

The buddy bottle can be filled with air in two ways:

1. Via the quick-fill port situated in front of the pressure gauge using the filling adapter supplied with the gun.
2. By removing the battle from the gun and refilling it using an optional battle filling adapter (part number 16-6440, not supplied) and replacing the battle on the gun.

Unless you need to remove the buddy bottle it is recommended that the rifle is filled using the Quick-fill adapter.

When filling the rifle via the quick fill port, use the gauge on the scuba tank or hand pump to read the pressure.

**Safety Warning**

- Use only dry breathing air.
- In the interest of safety any physical damage to air cylinders or filling tanks (e.g. dents, rust, etc.), and their fittings and valves must require the return of the item(s) to the manufacturer or their appointed agent for inspection.
- Any modification or service to the product must only be carried out by the manufacturer or their appointed agent. On no account should owners attempt to work on or modify guns.
- Do not exceed the manufacturer’s maximum fill pressure for the gun.
- Because of the high pressures involved the air reservoir should be checked periodically by the factory or an appointed agent of the company. BSA recommend a visual inspection every 3 years and pressure tested every 10 years.
- When storing your gun avoid excessive heat, cold or humidity.

### Removing the Buddy Bottle

- Apply the safety catch, remove the magazine and check that there is not a pellet in the barrel, if in doubt point the rifle in a safe direction and fire the rifle to ensure that the barrel is clear.
- To avoid damage to the buddy bottle “O” ring, which can result in leaks, it is essential to first close the valve in the buddy bottle by unscrewing it one full turn. There will still be some compressed air in the rifle's regulator. To release this, point the gun in a safe direction, take off the safety catch and fire the gun several times. Repeat the firing cycle until the muzzle discharge becomes quieter and the pressure gauge reads empty.
- If the muzzle report is still loud after firing the gun 8-10 shots and the gauge is still showing air in the gun, unscrew the bottle a further quarter turn and repeat the process. Once the rifle is empty the battle can easily be unscrewed.

### Filling the Bottle with Air

An optional filling adapter which screws onto the top of the buddy bottle (part number 16-6440, not supplied) is obtainable from BSA stockists.

- Check that the threads on the bottle and filling adapter are clean, then screw the bottle into the adapter until it is tight.
- The procedure for refilling the battle is identical to that when using the filling probe.

### Telescopic Sights

The BSA R-10 has a full length integral 10.8mm dovetailed scope rail designed to accept standard scope mounts and night vision equipment. Refer to the scope manufacturer’s instructions on fitting and adjusting.
Butt Plate

R10 SE butt pad is fully adjustable with both lateral and vertical movement and can be adjusted to suit your individual preference. This can be done with the allen key provided. Loosen the central locking screw and find the position that best matches your ideal sighting and comfort. Tighten the screw to lock the plate.

The Magazine

The 10 shot capacity magazine features a rotor housed within a base, retained by a cover plate and screw. The rotor is sprung loaded and its movement is controlled by a stop.

Do not turn the rotor and release it against the spring pressure as this may damage the stop.

Take care to avoid contamination with dirt or grit and always carry magazines in a sealed plastic bag. Do not dismantle the magazine.

Loading the Rifle

1. Apply the safety catch and push the magazine retaining catch forward.
2. Lift the bolt handle and pull back as far as it will go and while holding the bolt in this position, remove the magazine.
3. Hold the magazine between finger and thumb with the cover plate screw upturned. Push the pellet, nose first, into the empty chamber and press down until the pellet skirt is under the cover plate. (Fig 1)
4. Rotate the magazine rotor anti-clockwise until the next empty chamber is revealed. Hold the rotor in this position against the spring pressure and load the next pellet into the chamber. (Fig 2)
5. Repeat this operation until all chambers have been loaded.
6. Replace the magazine in the rifle (Fig 3), close the magazine retaining catch and close the bolt. Take the safety catch off when ready to fire the rifle.
7. When the rifle has been fired, the magazine will automatically index to the next chamber when the rifle is recocked. Close the bolt and the rifle is ready for the next shot. Do not recock the rifle more than once without firing. As this will load more pellets into the barrel, potentially causing a blocked barrel and damage to the rifle.
8. The magazine rotor is numbered to indicate the number of pellets left in the magazine. Note the number will remain the same after the pellet has been fired and will change only when the rifle is recocked.
9. When the tenth and final pellet indexed into position, the number 1 will become visible. Once this pellet has been fired, the magazine is ready to be reloaded.

Care and Maintenance

1. Butt plate.

Butt plate is adjustable to suit the intended use of the rifle. Loosen the central locking screw and find the position that best matches your individual preference. Tighten the screw to lock the plate.

Making a loaded rifle safe

When the rifle has been loaded with a pellet, remove the magazine as described above, then close the bolt, arm the rifle at a safe target, take the safety catch off and fire. Do not refit the loaded magazine until it is needed, or remove all pellets from the magazine before resetting it to the rifle.

It is good practice to use this procedure once the rifle shot has been completed, whether you know the magazine to be empty or otherwise.

The Silencer

The BSA R-10 has a sleeved barrel, incorporating a highly efficient sound suppression system. There is a ported muzzle break which acts as a thread protector and when removed reveals a 1/2" UNF thread allowing the use of an additional silencer if desired.

Trigger Adjustments

The trigger is set at the factory, but some aspects can be adjusted to suit individual preferences.

Before adjusting the trigger, remove the magazine and check that there is not a pellet in the barrel, if in doubt paint the rifle in a safe direction and fire the rifle to ensure that the barrel is clear.

Remove the Buddy Bottle as described previously, then remove the stock assembly.

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

Customizing the Barrel

1. Remove silencer and shroud.
2. Slide the nut down the barrel and tighten.
3. Screw the silencer connector to the barrel end. 4. Screw the silencer onto the connector. All parts included with rifle.

1. Trigger pull.

This screw adjusts the weight of second stage trigger pull, to increase the weight of pull turn the screw clockwise and anti-clockwise to reduce the weight of pull.

2. Sear engagement screw.

This screw determines the length of the second stage release. Should you wish to adjust the length of the second stage release, slacken off the locknut and adjust the screw the desired amount. Turning the screw clockwise reduces the second stage release; turning it anti-clockwise increases the second stage release.

CAUTION GREAT CARE SHOULD BE TAKEN IN THE ADJUSTMENT OF THIS SCREW. ANY EXCESSIVE CLOCKWISE TURN COULD RENDER THE GUN IN A CONDITION IN WHICH IT COULD FIRE ACCIDENTALLY. IF IN ANY DOUBT CONSULT A QUALIFIED GUNSMITH

3. First stage trigger adjustment.

This is factory preset and must not be adjusted.

4. The trigger grip can be adjusted lengthways, sideways and swivelling using screws 4 and 5. It is not necessary to remove the stock to carry out these adjustments.

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