

## LR 22 AB Muzzle Can

Maintenance Sheet for the following product:

The LR 22 AB is crafted from 6061 T5 grade aluminium. This product can be disassembled for cleaning; the internal components consist of 3x springs and 2x washers. The springs and washers move in relation to the pressure wave generated from the gun-shot, creating self-regulating chambers to allow for natural attenuation of the sound energy. To ensure correct bore alignment of the moderator and the rifle bore the barrel must be screw cut by a qualified centre-lathe operator or a competent gunsmith.

### Attaching the sound moderator to the rifle:

**Warning:** Please ensure that the rifle is unloaded before attaching the sound moderator to the rifle barrel.

Wind the sound moderator onto the barrel thread, clock wise direction for right hand threads, anti-clockwise for left hand threads. Ensure that the barrel thread is a firm fit with the moderator (we recommend the application of a nickel based anti-seize grease onto the barrel thread to prevent pick up). Wind the moderator until it makes a solid contact to the thread shoulder on the barrel. With the breach-bolt removed, take a look through the barrel to ensure that it is clear with no sign of partial blocking of the bore. If it appears that the moderator may lead to obstructing the flight path of the projectile. **Do not attempt to fire a shot through the rifle!** Contact your local gunsmith immediately.

Over the course of a few shots we recommend that you unload the rifle and check that the moderator is still tight against the thread shoulder: **Warning:** Failure to check that the moderator remains tight may result in bullet strike within the moderator.

### Removal & disassembly of the sound moderator:

**Warning:** Please ensure that the rifle is unloaded before removing the sound moderator from the rifle barrel.

**Warning:** The sound moderator maybe very hot!

Once you have completed your days shooting we recommend the removal of the sound moderator from the rifle. If left attached to the rifle immediate corrosion between the barrel thread, bore and the moderator will occur. We recommend that the moderator be disassembled and cleaned immediately after a day's shooting. Hold the body of the moderator in one hand. Firmly grip the knurled section of the front cap with the other hand. Unwind the front cap in an anti-clockwise direction. **Important:** The front cap will be under tension from the compressed springs within the moderator. **We recommend the use of standard approved eye protection!** Unwind the cap for approx. 10mm then carefully removing the front you will see a spring extending up into the cavity of the front cap, Remove all components: **Parts consist of the following:** 3x springs, 2x aluminium washers.

Using a powder solvent, place the parts into the bowl and pour solvent over the parts and leave for several minutes to soak. Using an old tooth brush, scrub each of the springs and washers to remove the powder and lead residue. Once cleaned apply a light coating of Petroleum Jelly (Vaseline) to the parts, this will act like a release agent and allow for ease of cleaning in future. Re-apply grease to the barrel thread. **Sequence of**

**Assembly:** Spring - Washer - Spring - Washer - Spring - Front cap

**Important:** The cleaning procedure must be followed after use. If regular maintenance is not carried out immediate degradation to the aluminium will result.

If foreign matter, twigs, stones etc. should enter the moderator we recommend this be removed before shooting.