VALLEY ARMORY

LQ22

QUICK GUIDE

.22 LR RIMFIRE SUPPRESSOR



READ BEFORE USE. Unfold completely. The full owner's manual is at valleyarmory.com/manuals/lq22.

SAFETY FIRST

A suppressor makes a firearm quieter, not less dangerous. Read this guide and the full owner's manual before use.

⚠ WARNING

- **Unload** and confirm the chamber is empty before you install, remove or service the suppressor.
- **Hot.** Let it cool before touching or casing it. It can burn you and ignite paper, cloth or dry grass.
- **Never fire with anything in the bore:** water, mud, snow, a patch or a dowel.
- **Check it is tight after every magazine.** A loose suppressor can cause a baffle strike.
- **Wear eye and hearing protection.** A suppressed .22 LR is still loud enough to damage hearing.
- **Lead.** Shoot and clean with good ventilation, wear gloves when cleaning, and wash your hands.
- **Never modify** the suppressor or fire it with parts missing.

NOTICE

The LQ22 is regulated under the National Firearms Act. Possess it only with an approved ATF transfer and where state and local law allow. Get replacement parts and repairs only from Valley Armory. This is not legal advice.

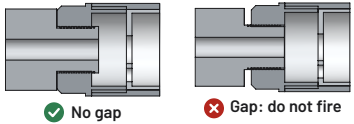
AMMO & MOUNTING

CALIBER	.22 LR only
MOUNT	1/2"-28, threads up to 0.70 in
WEIGHT	3.0 oz
MATERIAL	7075 aluminum

- **Subsonic or standard-velocity** loads are quietest. For best results, choose ammunition rated under **1,100 fps**.
- High-velocity .22 LR (over 1,100 fps) is safe, but its sonic crack cannot be suppressed.
- ✕ **Never use** .22 WMR, .17 HMR or any other cartridge, shotshells or reloads.
- ✕ **Never use** on a full-automatic firearm. The LQ22 is not rated for full-auto fire.

INSTALLING

1. **UNLOAD**
   Remove the magazine, open the action, check the chamber.
2. **PREPARE**
   Remove the thread protector. Clean the threads and shoulder.
3. **THREAD ON BY HAND**
   Turn until it stops firmly on the shoulder. Hand-tight only.
4. **NO GAP**
   No gap at the shoulder and no wobble.



✓ No gap — ✕ Gap: do not fire

FULL OWNER'S MANUAL

Scan for complete instructions, troubleshooting and warranty terms.

valleyarmory.com/manuals/lq22

LIMITED LIFETIME WARRANTY

Valley Armory warrants the LQ22 against defects in materials and workmanship for the original registered purchaser. Misuse, wrong ammunition, full-auto fire, prohibited cleaning (including ultrasonic) and modification are not covered. Contact us before you ship anything.

VALLEY ARMORY

valleyarmory.com
907.982.9222 · support@valleyarmory.com
PO Box 3451, Palmer, Alaska 99645

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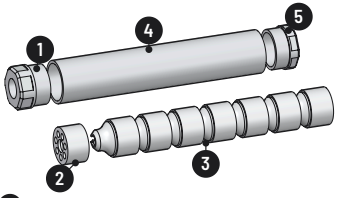
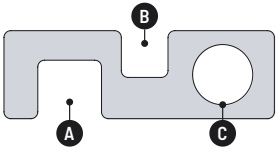
COMPONENTS



1. **Mount.** 1/2"-28 barrel threads, 15/16 in flats.
2. **Blast damper.** Perforated face toward the mount.
3. **Baffles ×7.** Identical. Cone toward the mount.
4. **Tube.** Serialized. Never clamp in a vise.
5. **Front cap.** Clamps the stack. 15/16 in flats.

INCLUDED WRENCH

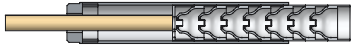


- **A** Mount and front cap flats.
- **B** Another Valley Armory suppressor. Not used on the LQ22.
- **C** Levers stuck baffles apart.

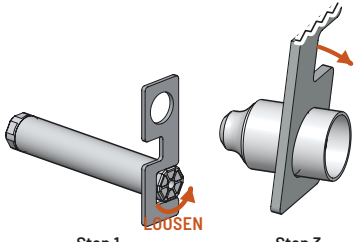
DISASSEMBLY

Unload, remove the suppressor from the firearm and let it cool first.

1. **FRONT CAP OFF**
   Put wrench opening A on the cap flats and turn counter-clockwise. Hold the tube by hand, never in a vise.
2. **PUSH OUT THE STACK**
   Push a 3/8 in wooden dowel through the mount. The blast damper and baffles slide out the front.



3. **SEPARATE BAFFLES**
   Pull them apart by hand. If stuck, slide hole C over the front baffle to the joint and tilt. The lever action pops them apart.
4. **REMOVE THE MOUNT**
   Use opening A and turn counter-clockwise. Remove it at every cleaning.



Step 1 Step 3

CLEANING

Clean at least every **500 rounds**, and any time it gets hard to take apart.

⚠ WARNING

Every part is **aluminum**. **Never use an ultrasonic cleaner.** Damage from prohibited cleaners or methods is not covered by the warranty.

✓ SAFE

- Soak in a solvent labeled **safe for aluminum**
- Nylon or brass brushes. Use a 12-gauge nylon brush in the tube.
- Clean the threads, dry completely, then apply a light coat of oil

✗ NEVER USE

- **Ultrasonic cleaners**
- Caustic cleaners: oven cleaner, purple or "heavy-duty" degreasers
- Acid, vinegar or peroxide lead "dips"
- Ammonia copper solvents
- Steel-pin tumbling, bead or sand blasting
- Steel wire brushes, heat or a torch

INSPECT

Stop using it and contact us if you find bright marks, gouges or lead smears at a baffle bore (a possible baffle strike), or cracks, bulges or damaged threads.

REASSEMBLY



From the mount (rear) to the front. Every cone faces the mount.

1. **MOUNT**
   Apply anti-seize, thread into the tube, and snug with opening A.
2. **BLAST DAMPER**
   Drop it in, perforated face first.
3. **LINE UP THE CLIPS**
   Nest the baffles cone into cup. Look through toward a light and turn each one until a **keyhole** shows all the way through.



✓ Keyhole ✗ Round only

4. **INSERT THE STACK**
   Cone end first. The top baffle sits about **5/16 in** below the tube end.
5. **FRONT CAP**
   Apply anti-seize and snug with opening A until the cap sits flush, with **no gap**.
6. **CHECK**
   The bore is clear and nothing rattles.