DPT SUPPRESSOR INSTALLATION & MAINTENANCE GUIDE

(Read Carefully – Failure to Follow May Cause Irreversible Damage)

1. INSTALLATION – CRITICAL FOR SAFETY

- Ensure the suppressor is **firmly screwed onto your rifle** before firing.
- **Check tightness every few shots**. If it loosens and drops into the bore line, a **baffle strike can occur**, causing **catastrophic damage**.
- The suppressor must seat snugly against the thread shoulder. If your muzzle lacks thread relief and doesn't fit properly, **contact DPT**.
- Apply a **light coat of oil** to the thread before installation.
- For **over-barrel models**, the rear plastic bushing should be **0.05 mm oversize**, floating freely around the barrel. A tight fit can cause **accuracy problems**. A looser bush is acceptable if the muzzle thread is firm and true to bore.

2. MAINTENANCE & WARRANTY REQUIREMENTS

To maintain **warranty** eligibility, you **must clean and maintain your suppressor** regularly:

- After each use and before long-term storage:
  - Disassemble the baffle stack.
  - Lightly spray **WD-40** on both baffle faces and inside the rear chamber.

⚠️ **Failure to clean and maintain your suppressor will void the warranty.**

Treat your suppressor **like your rifle**.
Note: **Aluminium baffles wear over time** and are **not covered under warranty** – they are considered consumable.

3. MODULAR SUPPRESSOR CLEANING

- Unscrew each module. Clean and apply **lithium grease** to threads and O-rings.
- Reassemble with firm (not excessive) tightness.
- The **front module/cap** and **rear section** (on over-barrel models) are **Loctite-fixed** and cannot be disassembled. Clean these using a **nylon barrel brush** through the ports with **WD-40 only**.
- Do **not** use harsh chemicals or water-based cleaners.

If stuck, use hose clamps with padding (leather/cardboard), or purchase a **DPT clamp set**.

4. MOISTURE, CORROSION & SAFE STORAGE

Shooting produces **corrosive condensation** inside the suppressor, including ammonia and water vapor.

➡️ **FAILURE TO DRY YOUR SUPPRESSOR CAN CAUSE SERIOUS INTERNAL CORROSION AND PREMATURE FAILURE.**
Rust in the barrel and damage to suppressor components may occur if not properly maintained.

- Always **remove the suppressor shortly after shooting**.
- Allow it to **dry fully** before storing.
- If stored wet, **white powder residue** may appear — clean with WD-40.
- If dropped in water, **thoroughly dry before use**.

5. HEAT LIMITS & ROUND COUNT GUIDELINES

Initial baffle pitting after ~20 rounds is normal and slows over time. A stainless-steel blast baffle is recommended for high-volume shooting (100+ rounds/year) or short barrels (e.g. 17" .308, 20" .270).

To avoid overheating and extend suppressor life, follow these limits:

- **Standard baffles:** 70 rounds/hour (no sleeve), 35 rounds/hour (with sleeve)
- **With stainless blast baffle:** 100 rounds/hour (no sleeve), 50 rounds/hour (with sleeve)

6. SOUND REDUCTION EXPANSION

- Additional baffles can improve suppression:
  - Max **7** baffles on **muzzle-forward** suppressors
  - Max **10** on **over-barrel** suppressors
  - **Do not install or use more than the specified maximum number of baffles**

7. COMPATIBILITY NOTES

- Only the **rear bushes** are **interchangeable** between **Mk1 and Mk2** suppressors.

8. SUPPRESSOR CASE CAPACITY RATINGS

Suppressor Type	**Max Cartridge Case Capacity**
Rimfire	Up to **.22 Magnum** or **.17 HMR**
Mini Centerfire *(special order)*	**Please contact us**
Muzzle Forward / Standard Over-barrel	Up to **.30-06 Springfield - minimum barrel length 19", or 14" for .308 win**
Magnum Over-barrel	Up to **.300 Winchester Magnum - minimum barrel length 20"**
Ultra Magnum Over-barrel	Up to **.338 Lapua Improved**

For use on barrels **shorter** than the minimum lengths specified above, please contact us so we can recommend the most suitable suppressor for your firearm.

9. WARRANTY & SUPPORT

DPT suppressors are covered by a limited warranty.
To maintain warranty eligibility, you must follow all installation and maintenance instructions provided in this guide. Proper maintenance is essential and remains the responsibility of the user.

For full warranty terms, visit: www.dpt.co.nz
For support or questions, please contact us via the website