Titan Rimfire Suppressor

Installation, care, and safe use — RS-T17 (Titan 17) & RS-T22 (Titan 22)

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Models covered

RS-T17 — Titan 17 rimfire suppressor (.17 HMR host).

RS-T22 — Titan 22 rimfire suppressor (.22 LR through .22 WMR hosts).

Read the label on your unit and match your host caliber to the correct model.

Before you begin

This product is regulated under the National Firearms Act (NFA) as a silencer. Possession and transfer must comply with federal, state, and local law. You are responsible for lawful use. This document is not legal advice.

Ensure the firearm is unloaded and verified clear before mounting or servicing.

Use only on a host whose muzzle threads match your Titan model. Confirm thread pitch with your barrel or host manufacturer before mounting. Do not force threads.

Complete NFA transfer through your FFL/SOT before taking possession. See revolverseal.com/support/how-buying-works.

Installation overview

Titan suppressors ship with the Revolver Seal shim timing system pre-installed (370° total coverage). Test alignment as shipped before removing shims.

1. Confirm the host is unloaded and the muzzle threads are clean and undamaged.

2. Thread the suppressor onto the barrel by hand. Do not use tools for initial engagement.

3. Hand-tighten until the suppressor stops without forcing past hand-tight.

4. Check orientation (timing). If alignment is incorrect, adjust the shim stack — see “Shim timing” below and the web guide at revolverseal.com/support/shim-assembly.

5. After timing is correct, leave the suppressor hand-tight unless your host manufacturer specifies otherwise. Do not force past hand-tight.

Shim timing (Revolver Seal system)

Each unit includes three shim sizes — Shim 1 (10°), Shim 2 (30°), and Shim 3 (50°). Shims can be removed or rearranged to achieve correct orientation.

Small adjustment !’ remove or add Shim 1. Medium !’ Shim 2. Large !’ Shim 3.

Reinstall and hand-tighten after each change. Repeat until aligned. Do not grind or modify shims.

Full step-by-step photos: revolverseal.com/support/shim-assembly

Safe use

Use only with ammunition and host platforms rated for your Titan model and barrel.

Use safe rimfire firing schedules; allow the suppressor to cool between strings of fire.

Inspect threads, shims, and the suppressor body before each use. Stop if you see loosening, baffle strike, or unusual sound.

Hearing and eye protection remain required.

Never store or transport loaded with the suppressor mounted unless local law and your range rules allow.

Care and cleaning

Allow the suppressor to cool completely before disassembly or cleaning.

Use non-abrasive cleaners appropriate for aluminum and stainless steel. Avoid damaging bore coatings or internal surfaces.

Do not use abrasive media inside the bore path unless Revolver Seal specifies otherwise.

Reassemble with the same shim stack you verified during installation unless timing changes on a new host.

Specifications

RS-T22: Length 4.5 in · Weight 4.2 oz · Diameter 0.85 in · Caliber .22 LR through .22 WMR · Mount threaded · Finish matte black anodize.

RS-T17: See the Titan 17 listing at revolverseal.com for current dimensions and mount details.

Warranty and support

Manufacturing defects: email info@revolverseal.com with your order ID, serial number, and photos. Warranty service may route through your FFL when required for NFA items.

Questions: info@revolverseal.com

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