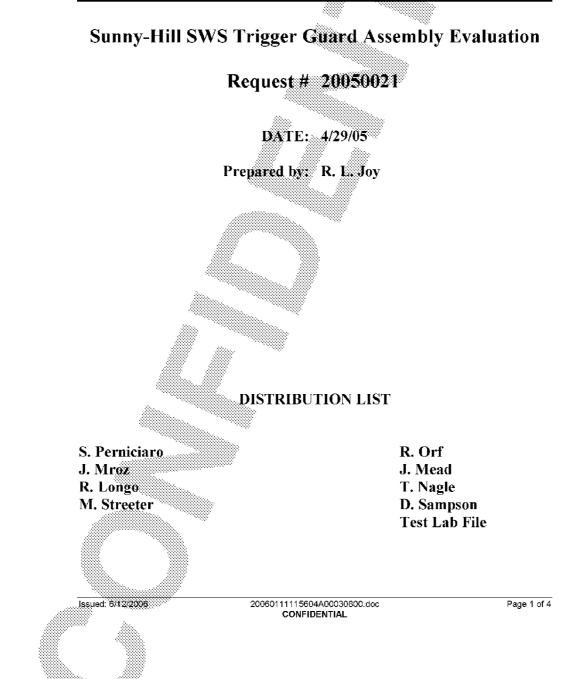
REMINGTON ARMS COMPANY INC. ILION, NY PLANT SITE

TECHNICAL DIVISION TEST & MEASUREMENTS LAB

TEST REPORT

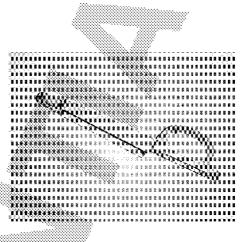


Subject to Protective Order - Williams v. Remington

INTRODUCTION:

Sunny-Hill Enterprises of Malone, WI, offers a line of trigger guard assemblies and other gun accessories for Remington and other gun maker's products. The company produces a trigger guard assembly that can be used on the Remington SWS. The Sunny-Hill trigger guard is all steel and can be purchased at a price attractive to Remington.

The Test Lab received a request to evaluate a sample of the Sunny-Hill trigger guard assemblies.



SCOPE:

The Test Lab was provided with three samples of standard trigger guards used for the Model 700 SWS rifle as a control for the test. Three Model 514 trigger guard samples were provided from Sunny-Hill.

All trigger guards were subjected to ASTM scratch-and-lift testing, followed by 24 hour thermal exposure at -20 degrees and 150 degrees F. Next, solvent resistance testing was performed with the following gun cleaning and lubrication products:

- WD-40
- Rem Oil
- Remington's Brite Bore
- Birchwood Casey Bore Scrubber
- Hoppe's #9

Each trigger guard was assembled to an SWS, 7.62mm rifle and subjected to standard S.A.A.M.I. drop testing from the 4-foot height.

Lastly, the test trigger guards were turned over to the Metallurgical Lab for strength testing of the material and metallurgical analysis.

RESULTS:

ASTM Scratch-and-Liff: All samples passed this test.

Thermal Exposure All samples passed this test.

Solvent Resistance / Adhesion: All samples passed this test.

<u>Drop Testing</u> None of the samples was damaged in drop testing. One of the control trigger guard assembly's floor plate opened. All of the Sunny-Hill floor plates remained latched during all drops

Strength & Metallurgy: Results pending

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CONCLUSIONS:

The Sunny-Hill 514 Trigger Guard assembly has shown in this test-set to be a suitable substitute or replacement for Remington's standard SWS trigger guard assembly.

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| DOD | TEST SUM | MADV |
|------------|----------|-------------|
| | | IVE/ADA E . |
| 2222222222 | 0000000 | 2222 A. |

| ·- | | | | | | | | |
|---------------|--|--------|-------------|-------------|--------|--------|-------------|-------|
| Drop Order | Jar Off Test Pircenn Position | | | | | | | |
| 1 | Barrel Verticle, Muzzle Up | \geq | \geq | \geq | \geq | \geq | $\geq \leq$ | |
| 2 | Barrel Verticle, Muzzle Down | \geq | $\geq \leq$ | \geq | \geq | \geq | $\geq \leq$ | |
| 3 | Barrel Horizontal, Bottom Down | \geq | \geq | $\geq \leq$ | \geq | \geq | $\geq \leq$ | |
| 4 | Barrel Horizontal, Bottom Up | | \geq | \geq | \geq | \geq | $\geq \leq$ | |
| 5 | Barrel Horizontal, Left Side Up | \geq | \geq | | \geq | \geq | $\geq \leq$ | |
| 6 | Barrel Horizontal, Right Side Up | \geq | \geq | \geq | | \geq | $\geq \leq$ | |
| Drop Order | Drop Test Firearm Position @ 48" Drop | NV-1 | NV-2 | N¥-3 | Xi | REM-2 | REM-3 | |
| 7 | Barrel Verticle, Muzzle Up | Ok | Ok 🎆 | Ok | Ok 🖉 | 🖉 Ok 🏑 | QK | |
| 8 | Barrel Verticle, Muzzle Down | Ok | OK | So Ok | OK S | Ok 🖉 | OK | 3355. |
| 9 | Barrel Horizontal, Bottom Down | Ok | Ok | Ok | Øk | Ok | 1 | |
| 10 | Barrel Horizontal, Bottom Up | Ok | Ok | Ok | OK | Ok | Ok 🎆 | |
| 11 | Barrel Horizontal, Left Side Up | Ok | Ok | Ok | Ök | Øk | <u> </u> | |
| 12 | Barrel Horizontal, Right Side Up | Ok | Ok | Ok | Ok | Øk | OK | |
| Drop Order | Rotational Test | | | | | | | |
| 13 | Left Side Up | \geq | \geq | \geq | \geq | \geq | $\geq \leq$ | |
| 14 | Right Side Up | \sim | \sim | \sim | \sim | \sim | \sim | |

REM-3 1- Floor plate opened.

Note: A Model 700 SWS, .308 caliber rifle was used for this test. No primer shells were used because the test was only for evaluation of the trigger guard.

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