

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

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RESEARCH TEST and MEASUREMENT REPORT -- Report No. 823611M/700 ADL RESTYLE LONG ACTION STAMPED NO-BIND FOLLOWER DESIGN NO. 6
EVALUATIONPrepared by: R. HoweDate Prepared: 1-25-83

Proofread and Cleared By:

J.H. Hennings, / R.E. Nightingale,
Foreman-Test Lab / Foreman-Measurement Lab

Signature

Date

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

Signature

Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 823611.
REPORT TITLE: M/700 ADL RESTYLE LONG ACTION STAMPED NO-BIND
FOLLOWER DESIGN NO. 6 EVALUATION
MODEL(S): 700 ADL RESTYLE
GAUGE OR CALIBER: .270 , 25-06, 30-06, 7MM Rem. Mag.
DATE: 1-25-83
WORK ORDER NO.: C-1803-000
PART NAME: Follower
DESIGNER/ENGINEER: P. Nasypany

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED 16
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: _____
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: 16

NO. OF ROUNDS PER GUN: According to Cal.

TOTAL ROUNDS FIRED IN TEST: 420

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE X

January 25, 1983

TO: R. E. NIGHTINGALE

FROM: R. HOWE

REPORT TITLE: M/700 ADL RESTYLE LONG ACTION STAMPED NO-BIND FOLLOWER
DESIGN NO. 6 EVALUATION

ABSTRACT

On December 27, 1982, a work request was received from P. Nasypany, Current Firearms Design, to Field Function test four (4), vendor sample, ADL No-Bind Stamped Followers, Design No. 6. The samples were live fired Field Tested at the Ilion Fish & Game Rifle Range in the following four caliber rifles - .270, 25-06, 30-06, and 7MM Rem. Mag. shooting various bullet weights and feed rates of Remington, Winchester and Federal Ammunition.

SCOPE OF TEST

To evaluate the latest M/700 ADL Long Action No-Bind Follower, Vendors Sample, Design No. 6 for follower related malfunctions.

TEST RESULTS:

Of the sixteen guns (four calibers) tested, one follower related malfunction occurred in Rifle No. 2, Cal. 30-06, resulting in a malfunction rate of .04% for the total 420 rds. shot in the entire test.

REPORT TEXT

A. Field Function Test

One follower related malfunction occurred out of 420 test rounds fired using the Design No. 6 (straight leg) vendor sample, long action, stamped No-Bind ADL Follower. A. 0.04% malfunction rate for 420 round test resulted. Malfunction rates by calibers are as follows: 30-06 Cal. — 1 malfunction, .270 Cal. — 0 malfunctions, 25-06 Cal. — 0 malfunctions and 7MM Rem. Mag. Cal. — 0 malfunctions. Breakdown of malfunctions by caliber, Bullet Weight, Gun Number, Feed Speed, etc. can be found in Appendix "A" Page No. 1.

NOTE: On the 7MM Rem. Mag., Gun No. 1, Serial No. 6393439, it was not possible to close the bolt over a full magazine. The possible cause being the magazine spring is off-center with the follower and the centering cut in the bottom of the stock inlet.

A fix was accomplished by forcing the magazine spring dimple slightly under the follower hold down tab, so it lined up with the slot in bottom of stock.

See Diagram in Appendix "A" Page No. 2.

TEST PROCEDURE

- A. The four (4) New Design No. 6, straight leg Followers were assembled into four (4) M/700 ADL Restyle Actions per test caliber.

Example: All four (4) Followers numbered 1 - 4 were placed in the four (4) .270 cal. test guns also numbered 1 - 4, with Follower Number matching Gun No. in each case. After shooting this caliber, the Followers were removed from the .270 caliber guns, checked for spring movement in Follower (no appreciable spring movement was noted throughout the entire test) and placed in the four 30-06 caliber test guns. Always with Follower number matching Gun No., this system was followed until all four test calibers had been shot.

- B. The Field Function Test was conducted at the Ilion Fish & Game Club Rifle Range at 200 yds. The weather was windy with snow flurries and 30° temperature. It was a one page per test gun test using four shooters and the round robin system. All four shooters going to the line each time with fifteen rounds of the type ammunition being shot and shooting three five round cycles each of Slow, Medium and Fast feed rates. After fifteen rounds, the shooters changed guns and repeated this process until the total 420 round test had been shot. All five shot groups were started with a full magazine in each rifle.

For Ammunition Brands, Bullet Weights, etc. Refer to Appendix "A", Page 1.

- C. Rifles used in the test were M/700 Restyle ADL. Cal. 270

Cal. .270

No. 1	Serial No.	6382690
No. 2	" "	6392112
No. 3	" "	6385366
No. 4	" "	6383957

Cal. 30-06

No. 1	Serial No.	6382440
No. 2	" "	6318067
No. 3	" "	6214699
No. 4	" "	6376272

Cal. 7MM Rem. Mag.

No. 1	Serial No.	6393439
No. 2		6391117
No. 3		6393763
No. 4		6393033

Cal. 25-06

No. 1	Serial No.	6377865
No. 2		6382231
No. 3		6377767
No. 4		6377877

" A P P E N D I X " A "