

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



Distribution: C. B. Workman
J. W. Brooks
C. E. Ritchie
P. Nasypany

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 822521

M/700 RE-STYLE STAMPED "NO BIND" FOLLOWER DESIGN NO. 5 -
ENDURANCE TEST

Prepared by: R. Howe

Date Prepared: 9/20/82

Proofread and Cleared By:

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

J. Hennings 9-24-82
Signature Date

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

C.E. Ritchie 9-24-82
Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 822521
REPORT TITLE: M/700 Re-Style Stamped "No Bind" Follower Design No. 5 -
Endurance Test
MODEL(S): M/700
GAUGE OR CALIBER: 7MM Rem. Mag.
DATE: 9-20-82
WORK ORDER NO.: C-1803-000
PART NAME: Stamped "No Bind" Follower
DESIGNER/ENGINEER: P. Nasypany

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED _____
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: 1

NO. OF ROUNDS PER GUN: 1,000

TOTAL ROUNDS FIRED IN TEST 1000

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE 7mm
Rem. Mag.
175 PSP

REMINGTON ARMS COMPANY, INC.
Firearms Research Division

Report No. 822521

September 20, 1982

TO: J. H. Hennings
FROM: R. Howe
REPORT TITLE: M/700 RE-STYLE STAMPED "NO BIND" FOLLOWER DESIGN NO. 5 -
ENDURANCE TEST

ABSTRACT

One M/700, 7mm Rem. Mag. Rifle was received from P. Nasypany, Design, to be Jack Fired 1,000 live rounds, to determine any movement of the magazine spring of the New Design Stamped "No-Bind" Follower.

SCOPE OF TEST

To determine any movement between the follower spring and the follower.

TEST RESULTS

At completion of 1,000 live rounds fired there was a .125 inch forward movement of Magazine Spring in the new follower.

REPORT TEXT

The test gun was fired a total of 1000 live rounds. Removing Follower and Spring every 100 rounds to measure distance between A & B as indicated on diagram marked Report Text Diagram "A". The total forward spring movement after 1000 rounds was .125 inch.

TEST PROCEDURE

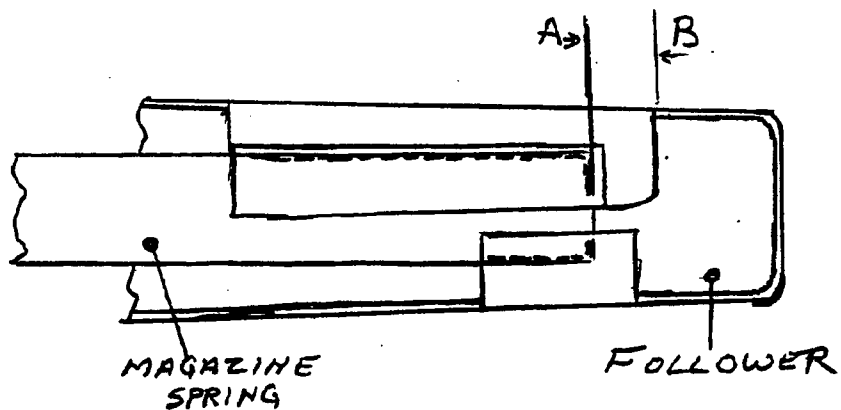
The magazine spring was placed in the Stamped "No Bind" Follower Design No. 5 and placed all the way to the rear. The distance between A & B as indicated in Report Text Diagram "A" was then measured and recorded at beginning of live firing. Spring and Follower were then placed in Test Gun No. B6393439 and gun was Jack Fired 100 live rounds, disassembled and any movement between follower and spring was recorded. This process was repeated every 100 rounds. A total of 1,000 rounds was fired giving a total of eleven measurements for entire test.

All measurements are recorded in Appendix "A".

Ammunition

175 Gr. P.S.P. 7mm Mag.

REPORT TEXT DIAGRAM "A"



APPENDIX " A "

ENDURANCE TEST OF M/700 RE-STYLE NO BIND ~~RE-STYLE~~ FOLLOWER DESIGN #5
SEPT. 20, 1982 R. HOWE

	1	2	3	4	5	6	
	MOVEMENT OF SPRING	NUMBER ROUNDS FIRED	FIRING				
1	START - .150	0					1
2	FORWARD .075	100					2
3	TO - .050	200					3
4	.025	300					4
5	.025	400					5
6	.025	500					6
7	.025	600					7
8	.025	700					8
9	.025	800					9
10	.025	900					10
11	.025	1000					11
12							12
13							13
14							14
15							15
16							16
17							17
18							18
19							19
20							20
21							21
22							22
23							23
24							24
25							25
26							26
27							27
28							28
29							29
30							30
31							31
32							32
33							33
34							34
35							35
36							36
37							37
38							38
39							39
40							40

P R O J E C T	1982			1983			1984			1985			1986		
	Y E A R	M O N T H		Y E A R	M O N T H		Y E A R	M O N T H		Y E A R	M O N T H		Y E A R	M O N T H	
MODEL SEVEN															
MODEL 700 ADL															
MODEL 1100 SPECIAL FIELD															
MODEL 1100 SPECIAL DEER															
MODEL 1100 SPECIAL WATERFOWL															
MODEL 1100 LT-20 SPECIAL FIELD															
MODEL 1100 LT-20 SPECIAL DEER															
MODEL 1100 LT-20 SPECIAL WATERFOWL															
MODEL 870 SPECIAL FIELD															
MODEL 870 SPECIAL DEER															
MODEL 870 SPECIAL WATERFOWL															
MODEL 870 20 GA. SPECIAL FIELD															
MODEL 870 20 GA. SPECIAL DEER															
MODEL 870 20 GA. SPECIAL FIELD															
NEW BOLT ACTION RIFLE															
ELECTRONIC SHOTGUN															
MODEL 7400 LT. WT. .223 CARBINE															

CBW:EB
9-21-82

MODEL REQUIREMENTS
NEW BOLT ACTION RIFLE

KEY ELEMENTS

CONTD.

FEED SYSTEM

- o ROTARY MAGAZINE

BOLT

- o FULLY ENCLOSED CLAW EXTRACTOR
- o REDUCED LOCK TIME

STOCK

- o WALNUT
- o CAST OFF - TOE OUT
- o SPECIAL BEDDING
- o SPECIAL STYLING

CBW:EB

9-21-82