

523331
MT. NEW LATCH AT 100E PLATE
A.S.

Report No. 32 3321

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

		AREA OF TESTING	
☐ Developmental		☐ Safety Related	☐ Litigation
☒ Design Acceptance		☐ Competitive Evaluation	☐ Warehouse Audit
☐ Pre-Pilot		☐ New Design	☐ Cost Reduction
☐ Pilot		☐ Design Change	Stake <u> </u>
☐ Production Acceptance		☐ Plant Assistance	☐ Other <u> </u>

FIREARM STATUS		REPORT REQ'D.	
MODEL: <u>7.62</u>		FORMAL ☒	DATE REQUESTED: <u>12-1-82</u>
CAL. or GAGE: <u>303</u>		TEST RESULTS ONLY ☐	DATE NEEDED BY: <u>12-1-82</u>
BARREL TYPE: <u>1003</u>			REQUESTED BY: <u>E. BULLIS</u>
PROOFED: YES <u>5</u> NO <u>5</u>			WORK ORDER NO: <u>12-1-82</u>

TEST TYPE			
☐ Strength Test	☐ Ammunition Test	☐ Dry Cycle Test	☐ Photo/Video
☒ Function Test	☐ Environmental Test	☐ Measurements	☐ Other <u> </u>
☐ Accuracy Test	☐ Customer Complaint	☐ Endurance Test	<u> </u>

EXPLAIN IN DETAIL THE REASON FOR THIS TEST:

DUE TO LATEST LATCH & FLOOR PLATE CHANGE, WE WOULD LIKE TO HAVE THESE M/762 (303 CAL) RIFLES FUNCTION TESTED.

-GUNS REQUIRED:

26226237 *	7600050 *	7600102	* PR30 = 50
56 *	67	107	
64 *	49	139 *	
	88		

NOTE: NO firearms or parts will be tested in the Labs unless they are accompanied by a Work Request, and both are delivered to the Labs by the designer or engineer. All Work Requests are to be filled out in detail. No Exceptions.

DATE COMPLETED: ☒
 TEST COMPLETED BY: E. BULLIS
 REPORT DATE: 17 Dec 82

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington


PETERS


Distribution: C. B. Workman
 J. W. Brooks
 C. E. Ritchie
 D. E. Bullis

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 823331

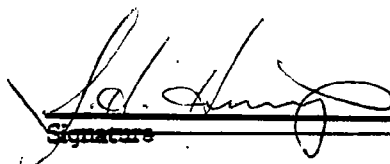
MODEL SEVEN LWT. FUNCTION TEST OF NEW LATCH AND FLOOR PLATE DESIGN

Prepared by: C. Stephens

Date Prepared: 12-17-82

Proofread and Cleared By:

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

 12-29-82
 Signature Date

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

 12/29/82
 Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 823331
REPORT TITLE: Model Seven LWT Function Test of New Latch and Floor
Plate Design
MODEL(S): Seven
GAUGE OR CALIBER: .308
DATE: 12-17-82
WORK ORDER NO.: C-1856-000
PART NAME: Latch & Floor Plate
DESIGNER/ENGINEER: D. Bullis

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED 10
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: _____

NO. OF ROUNDS PER GUN: _____

TOTAL ROUNDS FIRED IN TEST: _____

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE _____

December 17, 1982

TO: R. E. Nightingale
FROM: C. Stephens
REPORT TITLE: MODEL SEVEN LWT. FUNCTION TEST OF NEW LATCH AND
FLOOR PLATE DESIGN

ABSTRACT

Due to a change in Latch and Floor Plates. design of the Model Seven LWT..308 Cal. Rifle, D. Bullis requested a function test of ten (10) rifles be performed.

SCOPE OF TEST

To determine if the design changes would cause the floor plate of a Model Seven to open during firing.

TEST RESULTS

Results indicate the changes made will not allow the latch to open. However, eight (8) of the guns experienced difficulty in loading the fourth round in the magazine.

REPORT TEXT

Ten Model Seven LWT. with Latch and Floor Plate changes were tested for floor plate opening when fired. Results indicate that the changes will not adversely affect the proper performance of the floor plate.

Results also show a problem does exist with loading the fourth round in the magazine in eight (8) of the ten (10) rifles.

One rifle had ejection and follower malfunctions. Appendix A contains the data sheets for the ten rifles.

TEST PROCEDURE

A. Measurements

No measurements were taken.

B. Test Conditions

1. Same type of ammunition.
2. Same person to shoot all ten rifles.

C. Test

The test was conducted in the R & D Shooting Room using a shooting jack. All rifles were shot by C. Dickenson. Twenty rounds were fired from each gun using the same type of ammunition.

D. Ammunition

1. Winchester 200 gr. Silvertip Exp. (Code 58PNY)

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

Data Sheets

SERIAL NO. 86226 264

TEST TITLE: FLOR PLATE

MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 7600107

TEST TITLE: FLOOR PLATE

MALFUNCTION RATE:

"MALFUNCTIONS"

[illegible]

SERIAL NO. B6226256

TEST TITLE: FLOOR PLATE

MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 7600134

TEST TITLE: 1 LOAD PLATE

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 2600050

TEST TITLE: 1/2" PLATE

MALFUNCTION RATE:

"MALFUNCTIONS"

[illegible]

SERIAL NO. B6226237

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 7600088

TEST TITLE: FLOOR PLATE

MAJUNCTION RATE:

"MALFUNCTIONS"

[illegible]

SERIAL NO. 7600067

TEST TITLE: FLOAR PLP7c

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 2600079

TEST TITLE: LOAD PLATE

MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. 7600102

TEST TITLE: FLOOR PLATE

MALFUNCTION RATE:

"MALFUNCTIONS"

[illegible]

RESEARCH TEST & MEASUREMENT LAB WORK REQUEST

☐ Developmental ☒ Design Acceptance ☐ Pre-Pilot ☐ Pilot ☐ Production Acceptance		<u>AREA OF TESTING</u> ☐ Safety Related ☐ Litigation ☐ Competitive Evaluation ☐ Warehouse Audit ☐ New Design ☐ Cost Reduction ☐ Design Change ☐ Stake _____ ☐ Plant Assistance ☐ Other _____	
<u>FIREARM STAT'S.</u> MODEL: <u>7 LVIT</u> CAL. or GAGE: <u>308</u> BARREL TYPE: <u>CP08.</u> PROOFED: YES <u>5</u> NO <u>5</u>		<u>REPORT REQ'D.</u> FORMAL ☒ TEST RESULTS ONLY _____	DATE REQUESTED: <u>11-29-82</u> DATE NEEDED BY: <u>A.S.A.P.</u> REQUESTED BY: <u>D. BULLIS</u> WORK ORDER NO: <u>C-1255-000</u>

TEST TYPE

☐ Strength Test	☐ Ammunition Test	☐ Dry Cycle Test	☐ Photo/Video
☒ Function Test	☐ Environmental Test	☐ Measurements	☐ Other _____
☐ Accuracy Test	☐ Customer Complaint	☐ Endurance Test	_____

EXPLAIN IN DETAIL THE REASON FOR THIS TEST:

DUE TO LATEST LATCH & FLOOR PLATE CHANGE, WE WOULD LIKE TO HAVE THESE IN/BLIND (308 CAL) RIFLES FUNCTION TESTED.

GUNS REQUIRED:

56226237 *	7600050 *	7600102	* PROOFED
56 *	67	107	
64 *	49	159 *	
	88		

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 TEST COMPLETED BY: _____
 REPORT DATE: _____