

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington

DETROIT

Distribution: C. B. Workman  
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RESEARCH TEST and MEASUREMENT REPORT - Report No. 831361

MODEL SEVEN - .222 CALIBER TRIAL & PILOT EVALUATION

Prepared by: 5-18-83  
Date Prepared: C. E. Ritchie

Prepared and Cleared By:

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

Signature \_\_\_\_\_ Date \_\_\_\_\_

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

C. E. Ritchie 5/13/83  
Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: - 831361  
REPORT TITLE: Model Seven - .222 Caliber Trial & Pilot Evaluation  
MODEL(S): Seven  
GAUGE OR CALIBER: .222  
DATE: 5-16-83  
WORK ORDER NO.: 81343-904  
PART NAME:  
DESIGNER/ENGINEER: G. Hill/J. W. Brooks

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 - 8 OUT OF 40 GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: \_\_\_\_\_

NO. OF ROUNDS PER GUN: \_\_\_\_\_

TOTAL ROUNDS FIRED IN TEST: \_\_\_\_\_

AMMO TYPE: MAGS. \_\_\_\_\_; TARGET: \_\_\_\_\_

RM FIRE \_\_\_\_\_ CENTER FIRE \_\_\_\_\_

May 18, 1983

TO: C. B. WORKMAN  
FROM: C. E. RITCHIE  
REPORT TITLE: MODEL SEVEN - .222 CALIBER TRIAL & PILOT EVALUATION

ABSTRACT

A request was received from G. Hill, Supervisor, Process Engineering, to perform a Trial & Pilot evaluation of the Model Seven .222 Caliber production firearm.

SCOPE OF WORK

Perform a Trial & Pilot evaluation on an 8 gun sample from a 40 gun production run.

TEST RESULTS

Only a Visual Inspection was performed. The sample lot was rejected due to the following:

- 1.) 3 of the 8 guns had been assembled using old style unheat treated trigger guards with the tab bent in the old position (upwards).
- 2.) 1 stock was cracked.

### REPORT TEXT

Of the 8 firearms inspected, the following major objections were pointed out:

- 1.) 3 of the 8 guns had been assembled using old style unheat treated trigger guards with tabs bent in the old position (upwards).
- 2.) 1 stock was cracked (beginning at the floor plate tab and running about ¼" towards the muzzle of the gun).

These objections were the basis for rejection of this sample lot. No other physical testing was performed on the sample.

### TEST PROCEDURE

An eight gun sample was selected by Charles Stephens, Research Test Lab, from a 40 gun production run.

A visual inspection was conducted in the Test Lab on 5-17-83 at 1:00 p.m. by Z. Kowalski, Process Engineering, D. Bullis, Current Firearms Design, R. Nightingale and E. Ritchie, Test Lab. Guns were wiped down with a clean cloth and inspected by each member of the committee and comments were recorded. Comments on individual guns can be found in the Appendix.

A P P E N D I X

Visual Inspection - T & P Evaluation  
M/Seven .222 Cal.

7602556

- rear swivel screw hole not properly aligned.
- floor plate cover exceeds .026" gap.
- grip cap over polished to mis-shape the cap.

7602642

- front swivel screw - bright mark on dome and hole not properly aligned.
- dent in top of stock

7602629

- 2 pin holes and 1 dent in stock.
- light checkering on pistol grip - both sides.
- trigger guard used has tab bent in the old direction (appears not to be heat-treated).

7602508

- excess space between floor plate pad and inlet cut in stock.

7602651

- comb cut (left side) is mis-shaped.
- wood inlet - rear of trigger guard - impression of trigger guard in wood - screw hole probably mis-aligned.
- 2 pin holes in the bottom of the fore-end area.
- light checkering - pistol grip area both sides.

7602631

- 2 dents in pistol grip.
- dent on left top rail of stock.
- bottom of comb is mis-shaped - 3 flats.
- trigger guard used has tab bent in the old direction (appears not to be heat-treated).

7602637

- cracked stock - starts at floor plate pad.

7602605

- sight screw hole marred on rear sight.
- rear trigger guard screw marred.
- dent in floor plate pad.
- scratch on the floor plate cover.
- dent in top of the stock.
- trigger guard used has tab bent in the old direction (appears not to be heat-treated.)

- General Note - 1.) Barrel bracket on all guns were dull finished.
- 2.) Ejection port radius on the stock are all 3/16" radius drawing calls for 3/8" radius.

R2514864

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER  
KINZER V. REMINGTON