

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington
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rem. file

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
January 17, 1974

TO: C. B. WORKMAN *W*
FROM: A. A. HUGICK
DATE: JANUARY 17, 1974
SUBJECT: RESEARCH QUALITY AUDIT
M/700 L. H. 7mm REM. MAG. - M/700 22-250 Cal.
TEST PERIOD: JANUARY 7, 1974 thru JANUARY 17, 1974
WORK ORDER: 88800

INTRODUCTION:

Six BDL M/700 L. H. rifles in 7mm Rem. Mag. caliber, three BDL M/700 rifles in 22-250 caliber and three ADL M/700 rifles in 22-250 caliber were withdrawn from the warehouse for Research Quality Audit Testing. Testing was limited to function and accuracy due to recent testing of 7mm Rem. Mag. 270 Cal., 25-06, 243, and 6mm caliber M/700 rifles for 1974.

TEST OBJECTIVE:

Research audit test Warehouse M/700 L. H. 7mm Rem. Mag. and 22-250 caliber rifles.

TEST OBSERVATIONS:

1. Three guns were lacking the packaging tag attached to the trigger guard. Guns #1, #5, and #6.
2. The 22-250 caliber rifles have a mix of front sight heights.
3. Vertical point of impact of the 22-250 caliber rifles was not in design specs. This p.o.i. area of concern was verbally passed on to P. E. & C.

Research Quality Audit
M/700 L.H. 7mm Rem. Mag. 22-250 Cal.

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TEST OBSERVATIONS: (Continued)

4. The M/700 L. H. 7mm Rem. Mag. accuracy was found to be in design specifications. However, the accuracy was greatly improved by placing a .060 spacer at the barrel to stock tip bearing pad contact area. (2.55" Ave. group size as received, 1.38" Ave. Group size with .060 spacer.)

RECOMMENDATIONS:

1. The 22-250 vertical point of impact be reviewed for improvement.
2. The 7mm Rem. Mag. stock dimensions be checked for possible improvements of accuracy.

AAH:bd
Measurement/Test Lab
Ilion Research Division
Attach.

TEST FUNCTION	ONE	TW	THREE	FOUR	FIVE	SIX	SPACS
2K' - GRAB	7mm-BDL-LH	7mm-BDL-LH	7mm-BDL-LH	7mm-BDL-LH	7mm-BDL-LH	7mm-BDL-LH	---
2K' - NUMBER	6685422	6685269	6685427	6685578	6685571	6685264	---
HEADLINE - MIN.	7.000	7.000	7.000	7.001	7.000	7.000	.000 TO .005
FLIGHT PIV. INVERT	.0225	.0220	.0225	.0220	.0215	.0225	.018 TO .026
TRIGGER PULL	4.25	4.25	5.00	4.00	4.00	3.75	3.0 TO 3.5
2K' FUNCTION	70	70	70	---	70	---	---
TEST ROUNDS	0	1 Round In out of 10	0	---	0	---	---
2K' FUNCTION	3.0L	---	---	1.0L	---	0.0	3.0 TO 2.0
TEST FUNCTION	5.0L	---	---	12.0L	---	3.0H	2.0 TO 4.0
HORIZONTAL	10.0L	---	---	13.5L	---	2.0L	---
POI. - AS REQ'D	14.0H	---	---	10.0H	---	23.0H	---
VERTICAL	1.39	---	---	2.55	---	2.62	2.7
POI. - AS REQ'D	1.35	---	---	1.61	---	1.94	---
VERTICAL	1.16	---	---	1.98	---	1.97	---

TEST FUNCTION	OPEN	EIG T	NINE	TEN	ELEVEN	TWELVE	SPECS
UP - GRANT	22/250-ADL	22/250-ADL	22/250-ADL	22/250-BDL	22/250-BDL	22/250-BDL	—
	6705361	6704923	6703117	6704754	6703642	6705685	—
HANDSAFE - MIN	.003	.003	.002	.001	.001	.003	.003 TO .005
FIRING PUL INCR	.0210	.0245	.0255	.0255	.0245	.0215	.018 TO .026
TRIGGER PULL	4.50	4.50	4.50	4.75	4.25	4.00	3.0 TO 5.0
JACK FUNCTION	30	30	30	30	30	30	—
JACK ROUNDS	0	0	BOLT CLOSE	2-EXTINGUISH PROP 3 INCH	0	0	3.0 LEFT TO 3.0 RIGHT 2.0 LOW 4.0 HIGH
POI. - AS REQ'D	5.5 R	—	2.0 L	—	6.0 R	2.0 L	—
VERTICAL	14.5 L	—	14.0 L	—	4.0 L	13.5 L	—
POI. - AS REQ'D	21.0 L	—	19.0 L	—	7.0 L	18.0 L	—
VERTICAL POI.	5.0 H	—	5.0 H	—	15.0 H	6.5 H	—
MAX.	1.22	2.11	—	1.43	1.80	—	2.2
GROUP TIME	1.05	1.86	—	1.04	1.62	—	—
VERTICAL	0.45	1.09	—	1.20	0.91	—	—



