

Clar. copy

Xc: R. L. Hall
W. E. Leek
M. F. deMayo
M. H. Walker
J. Brooks
File

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
December 14, 1973

TO: C. B. WORKMAN
FROM: A. A. HUGICK
DATE: DECEMBER 14, 1973
SUBJECT: M/700 - 243 Cal. BDL - ADL
DESIGN CONFORMATION TESTING

TEST PERIOD: DECEMBER 10, 1973 thru DECEMBER 14, 1973

WORK ORDER: 88809

INTRODUCTION:

Eight BDL and Four ADL M/700 rifles in 243 Win. Cal. were selected from the pilot production sample for design conformation testing by Research. The 1974 rifle improvements are bolt anti-bind system, cast magazine follower and cut checkering on the BDL. Testing was concentrated on accuracy and function due to recent M/700 - 7mm Rem. Mag., 270 Ca., 25-06, testing.

TEST OBJECTIVE:

Design conformation test the M/700 rifle - 243 Win. Caliber.

TEST OBSERVATIONS:

1. Accuracy and function was considered satisfactory.

RECOMMENDATIONS:

1. The M/700 - 243 BDL and ADL considered acceptable product.

COMMENT:

The ADL rifles were received and tested without the magazine spring retainers.
Deletion of the retainer was required to meet the four shell magazine requirement.

AAH:bd /
Measurement /Test Lab
Ilion Research Division

TEST FUNCTION	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	SPECIAL
BDL SERIAL NUMBER	6696715	6696737	6697234	6697406	6697201	6697518	6697719	6697701	—
HEADSPEED - MIN+ (AS REC'D)	T.002	T.003	T.004	T.004	T.002	T.004	T.003	T.003	.000 TO T.005
TRIGGER PULL	4.25	4.50	5.00	3.50	4.00	4.50	3.50	4.50	3.00 TO 5.00
FIRING PIN INDENT	.0230	.0250	.0230	.0230	.0240	.0240	.0235	.0250	.0180 TO .0260
LENGTH	4 5/8	4 1 1/16	4 1 1/16	4 1 5/8	4 1 5/8	4 1 1/16	4 1 5/8	4 1 5/8	—
GROUP SIZE - 455 MPT R-P 80 M.P. GROUPS	1.71	—	1.94	—	—	1.91	—	1.83	2.02
HORIZ. SPREAD	1.33	—	1.59	—	—	1.24	—	1.09	—
VERTICAL SPREAD	1.17	—	1.34	—	—	1.68	—	1.67	—
GROUP SIZE - 455 MPT W/ 80 P.S.A	—	—	—	—	—	—	—	1.66	—
GROUP SIZE - 455 MPT F&O 80 S.P.	—	—	—	—	—	—	—	1.28	—
HORIZ. P.O.I. AS REC'D	0.0	—	0.5 R	—	—	3.0 R	—	1.5 R	—
VERTICAL P.O.I. AS REC'D	10.0 L	—	1.0 H	—	—	1.5 H	—	1.5 L	—
VERTICAL P.O.I. IN V.	14.0 H	—	22.5 H	—	—	20.5 H	—	22.0 H	—
VERTICAL P.O.I. MIN.	14.0 L	—	3.5 L	—	—	2.5 L	—	5.5 L	—
MAX FUNCTION IN JORD JACK TEST	0	0	0	0	0	0	0	0	—

TEST FUNCTIONS	ONE	TWO	THREE	FOUR
ADL SERIAL NUMBERS	6697547	6697773	6696950	6698726
Hoop space - MIN + (AS REQ'D)	7.003	7.003	7.003	7.001
TRIGGER PULL	3.50	4.50	4.00	4.75
FIRING Pin Insert	.0235	.0255	.0240	.0255
LENGTH	41 ⁹ / ₁₆	41 ⁹ / ₁₆	41 ⁹ / ₁₆	41 ⁹ / ₁₆
NIAL FUNCTIONS IN 70rd. JACK TEST	0	14.D.S.	0	0