

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" \_\_\_\_\_

Ilion, New York  
January 9, 1974

TO: C. B. WORKMAN *[initials]*  
FROM: A. A. HUGICK  
DATE: JANUARY 7, 1974  
SUBJECT: M/700 - 6mm CAL. ADL  
DESIGN CONFORMATION TEST

TEST PERIOD: DECEMBER 20 - 21, 1973

WORK ORDER: 88809

INTRODUCTION:

Eight (8) Model 700 ADL rifles in 6mm caliber were selected from the pilot production sample for design conformation testing by Research. The 1974 rifle improvements are a cast magazine follower and bolt anti-bind system. Testing was limited to function and accuracy due to recent testing of 7mm Rem. Mag., 270 Cal., 25-06, and 243 caliber M/700 rifles.

TEST OBJECTIVE:

Design conformation test the M/700 - 6mm rifle.

TEST OBSERVATIONS:

1. Function was considered satisfactory and accuracy was in design specifications.
2. The accuracy quality is impaired by stringing of the groups and/or throwing of shots outside the group.

M/700 - 6mm Cal. Ad.  
Design Conformation Test

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RECOMMENDATIONS:

1. The Model 700 - 6mm Caliber rifle be considered a satisfactory product.
2. The Model 700 - 6mm accuracy be reviewed.

A.A.Hugick:bd  
Measurement/Test Lab  
Ilion Research Division

ST FUNCTION	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	SOURCE
SERIAL NUMBER	6700054	6700444	6701056	6699635	6700230	6700549	6700468	6700219	—
WATER TIGHT - MIN.	.002	.002	.002	.002	.003	.002	.002	.002	.000 TO 1005
Trigger Pull	4.50	4.75	4.50	4.00	4.00	4.75	4.50	5.25	3.0 TO 5.0
RING PIN INDEX	0.023	.0225	.0230	.0225	.0240	.0230	.0210	.0230	.018 TO .026
DEPTH - IN.	41 7/16	41 7/16	41 7/16	41 7/8	41 7/16	41 7/16	41 7/16	41 7/16	—
BACK FUNCTION	30	30	30	30	30	30	30	30	—
ST ROUNDS	0	0	0	0	0	0	0	0	—
ST MALFUNCTION	1.0 R	—	1.5 L	—	1.5 L	—	—	0.5 R	—
VERTICAL	5.0 L	—	1.0 H	—	6.5 L	—	—	3.0 L	—
VERTICAL R.O.I.	8.5 L	—	3.5 L	—	10.5 L	—	—	7.0 L	—
MIN.	19.0 H	—	23.0 H	—	17.0 H	—	—	20.0 H	—
MAX.	2.18	—	1.59	—	1.32	—	—	1.63	—
GROUP SIZE	1.34	—	1.17	—	1.24	—	—	1.50	—
SPREAD	1.89	—	1.28	—	0.73	—	—	0.80	—