

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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File

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
January 9, 1974

TO: C. B. WORKMAN *W. E. Leek*
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.

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	SPRINGS
SERIAL NUMBER 6700054	6700444	6701056	6699635	6700230	6700549	6700468	6700219	—
THICKNESS - MIN. .002	.002	.002	.002	.003	.002	.002	.002	.000 TO 1005
THICKNESS 4.50	4.75	4.50	4.00	4.00	4.75	4.50	5.25	3.0 TO 5.0
RING PIN INDENT 0.023	.0225	.0230	.0225	.0240	.0230	.0210	.0230	.018 TO .026
LENGTH - IN. 4 1/16	4 1/16	4 1/16	4 5/8	4 1/16	4 1/16	4 1/16	4 1/16	—
ST FUNCTION 30	30	30	30	30	30	30	30	—
ST FUNCTION 0	0	0	0	0	0	0	0	—
HORIZONTAL 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 8.5 L	—	3.5 L	—	10.5 L	—	—	7.0 L	—
VERTICAL 19.0 H	—	23.0 H	—	17.0 H	—	—	20.0 H	—
MAX. RAMP SIZE 2.18	—	1.59	—	1.32	—	—	1.63	—
VERTICAL 1.34	—	1.17	—	1.24	—	—	1.50	—
VERTICAL 1.89	—	1.28	—	0.73	—	—	0.80	—