

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

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
November 29,

TO: C. B. WORKMAN
FROM: A. A. HUGICK
DATE: Nov. 28, 1973
SUBJECT: M/700 - 25/06 Cal. BDL Center Fire Rifle
Design Conformation Test

TEST PERIOD: Nov. 26 - 28, 1973
WORK ORDER: 88809

INTRODUCTION:

Eight M/700 - 25/06 Caliber BDL rifles were selected from the pilot production sample lot for design conformation testing by Research. This testing of the M/700 - 25/06 Rifles is concentrated on accuracy and function due to the recent pilot testing of 7mm and 270 rifles. The 1974 version rifle improvements include the bolt anti-bind system, cut checkering, and cast magazine following.

TEST OBJECTIVE:

Conduct design conformation testing of the 1974 M/700 - 25/06 BDL rifles.

TEST OBSERVATIONS:

- (1) Test Gun #4 had four stem malfunctions in the 80 rounds of function testing fired in the lab shooting jacks. This gun is being reviewed by design and process engineering.
- (2) Bolt stroke operation is satisfactory.
- (3) Accuracy results of the four guns tested were considered good.

RECOMMENDATIONS:

- (1) The malfunction test gun (#4) be reviewed .
- (2) The M/700 - 25/06 BDL rifle be considered satisfactory.

AAH:bd
Measurement/Test Lab
Ilion Research Division
Attached

TEST FUN IDN	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	SPECS
SERIAL NUMBER.	6686025	6686018	6690229	6689466	6686017	6691288	6690545	6691666	
HEADSPACE - INCH	.001	.001	.001	.001	.001	.002	.002	.001	.001
GUN LENGTH	44 1/2	44 1/2	44 1/2	44 7/8	44 1/2	44 7/8	44 1/2	44 1/2	.000 / .005
FIRING Pin INCH	.0235	.0225	.0225	.0235	.0230	.0235	.0225	.0235	.018 / .02
TRIGGER Pull	4.50	4.00	4.25	4.75	5.00	5.00	4.25	4.75	3.00 / 5.0
GROUND SIZE - INCH NOT 87 MPPL - 100YD	1.47	1.23	1.80	1.35	—	—	—	—	2.20
HORIZ. SPREAD	1.19	1.03	1.52	1.33	—	—	—	—	—
VERT. SPREAD	1.24	0.81	1.55	0.64	—	—	—	—	—
FUNCTION TEST RDS.	80	80	80	80	80	80	80	80	—
MALFUNCTIONS.	0	0	0	4	0	0	0	0	LESS THAN 10%
MALFUNCTIONS				3 SCL 1 SCR					
MALFUNCTIONS - AMMO.				R120P5P					