Remington OFFRD

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		J. P. Linde Lab File	-

2	REMINGTON ARMS COMPANY, INC.
	INTER-DEPARTMENTAL CORRESPONDENCE

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"___

PETERS

Ilion, New York May 15, 1975

то:	W. E. LEEK
FROM:	A. A. HUGICK
DATE:	May 13, 1975
WORK ORDER:	G 0457
TEST PERIOD:	April 16, 1975 thru Mey 13, 1975
SUBJECT: -	M/600 SAFETY EVALUATION - REPORT #1

INTRODUCTION:

Design initiated a review of the bolt action rifle safety function. Three (3) M/600 test rifles were delivered to the Lab area for testing and evaluation. Test activity of these rifles was confined to wear function of the safety and fire control.

TEST OBJECTIVE:

Dry cycle test the sample M/600 rifle safety assemblies for endurance and function.

TEST RESULTS & OBSERVATIONS:

 M/600 - 685425 	l – Test	Gun #1
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Test Activity	 50,000 Cock and Dry fire cycles. 50,000 Safe On - Safe Off cycles.
	- WD-40 lubrication.
Test Results	- Sear lift showed no major trend.
	- Sear lift showed variation .0065 Max0045 Min.
	- Safe On force variations ranged from 4.5 Max. to 2.5 Min.
	- Safe On force variations ranged from 15.0 Max. to
	4.0 lbs. Min.

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	:From:	W. E. Leek A. A. Hugick Saiety Evaluation	- Report #1	May 15, 1975 Page 2
-	TEST R	ESULTS & OBSERVAT	IONS: (Con'td)	
	1. (Co	nt'd)	 Safe function was norm Safe could be tricked a Trigger pull remained f Fire control part appeal 	airly constant around 8.5 lbs.
	2.	M/500 - 6846506	- Test Gun #2	
		Test Activity	 50,000 Safe On - Safe 50,000 Cock and Dry f WD-40 lubrication. 	
		Test Results	- Sear lift showed variat .0019 Min. inches.	as ranged from 4.0 lbs. Max.
	3.	M/600 - 6854270	- Test Gun #22	
		Test Activity	 23,500 Safe On- Safe ("Very Slow" Safe On - No lubrication. 	Off cycles. Safe Off cycling 12/Min.
		Test Results	 Failure of trigger hous: binding and not being Sear lift increased from at 11,000 Safe On - 	Off force showed major increases. mal.

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AAH:bd Ilion Research Division Attached

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BARBER - PRESALE R 0105095

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	2 X W/ 600 RIF LES	WITH SWADGED SAFETY CAMMING
		Headspace, Safe On force, Safe off force, safety ear at Trigger, Trigger radius at Sear.
	B. Check function	on of safety - fire 10 Rds.
	C. Clean and lub	bricate (F.C. WD-40)
		nd dry fire dry cycles. n / Safe Off dry cycles.
	E. Measure Safe Sear at T	e On force, Safe Off force, Trigger pull, safe lift rigger.
	F. Check function	on of safe fire 10 Rd.
	G. Clean and lul	pricate.
		nd dry fire cycles. n / Safe Off cycles.
	l. Measure Safe Sear at T	e On force, Safe Off force, Trigger pull, safe lift (rigger.
	J. Check function	on of safe - fire 10 Rds.
)	K. Clean and lul	pricate.
•		nd dry fire cycles. n / Safe Off cycles.
	M. Repeat I.	
	N. Repeat J.	
	O. Repeat K.	
		nd dry fire cycles. n / Safe Off cycles.
	Q. Repeat I.	
	R. Repeat J	
	S. Repeat K.	
	T. Repeat P.	
	U. Continue to a	total of 50,000 / 50,000 cycles.

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