Section B

Listed Malfunctions
Known Functional Deficiencies

AL 0023239

DAILY PROGRESS REPORT

SUDJECT M/721 Pilot Line Inspection

There is evidence from the functioning of the above pertioned guns that the Connector, Safety Cam and Bear are not within design limits. This situation on be very dangerous from a safety and functional point of view and the existing desdition has caused the following listed malfunctions to occur in several guns that were inspected:

1. Firing Pin moves forward during the soft looking cycle.

2. Possible to fire the gun by pushing the Safety to the "off" position.
3. Occasionally the firing pin moves forward during the bolt looking cycle.

From the inspection standpoint, situation #3 should be considered the most dangerous in that the malfunction might not occur during the relatively few cycles that the . gun would be functioned during inspection.

> W. E. Leek Tost Engineer

The Thickmin DON'T SAY IT-WRITE IT Dare December 21, 1973 E. H. Car: FROM E/700 - CUSTOMER COMPLAINTS Fires on Safe - Follows down Over three years ago, all guns in the above rategory began to be referred to F.E. & C. for examination and diagnosis. It began to be readily apparent that these guns were all the result of minima. Connector-Sear engagement. In June of 1972, an operation was initiated making the adjustment on a comparator It is my opinion that review of these guns, except in the case of Damaged Actions or Personal Injury guns, is no longer justified and should be discontinued. Does this present and of Clike TO BE SAFE, FIRST THINK YOU MIGHT NOT BE PLAINTIFFS EXHIBIT 3175 AL 0029705

Bridgeport, Connecticut April 23, 1975

TO:

R.L. HALL

FROM:

E.F. BARRETT

SUBJECT: PRODUCT SAFETY MEETING 4/23/75

A.= Define study objectives: Analyze product safety of bolt action fire controls.

B. Determine hat should be done and who should do it.

1. Research

Review present design; Failure analysis; Identify tolerance build-up problems, if any; Determine critical design specifications.

2. Marketing

Review reports from field; Review present performance requirements; Adentify possible or potential problems by improper use.

Review existing customer and gunsmith information for clarity and content!

3. Production

Review process specifications and records, quality control procedures and limits. Review actual Plant performance.

- C. Discussion of Model 600 quality audit.
- D. Assignment of responsibilities and development of tentative schedule.

EFB/ab

NTBOOK013



TO GEORGE HARAND	 SAFETY MALFUNCTIONS	DATE	5-2-15
FROM GENE BULLIS .	GALLERY		.*

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MODEL	FSR	==	 JO	2	1	FD	6.	- 8	-05	-	- 5	WW	1-1	CY MA
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788	4				3	9	3	2	9	4	14	95	53	191
PLY MALF.	14	-	 	-	30	106	70	:3	.9	4	14	97	53	

ALFUNCTION MEANINGS

FSR - FIRES WHEN SAFE IS RELEASED - SELF EXPL.

NO - JARI OFF (HAMMER, FALLS TO STAY ENGAGED WITH SEAR AND FALLS

FD - FOLLOWS DOWN (COXING ARE FAILS TO PROPERLY ENGAGE WITH SEAR ARED LOWER THE COCKING CAM SULFACE OF THE BOLT TO THE FIRED POSITION

FOS - FRES ON SAFE (BUR FRES WITH SAFE IN "ON" POSITION HIER TRIGGEZ IS PULLED).

SWW - SAFETY WON'T WOOK - SELF EAR

010000150

- 1975 DATA FROM DEC. 26, ATH TO APRIL 290,1975 ONLY.

REMINISTOR AREAS COMPANY, INC.

INTER DEPARTMENTAL COMPESSONDENCE

Remineter

PETERS

ONTINE YOUR LETTER TO ONE SUBJECT ONLY".

Ilion, New York May 20, 1975

TO:

E.F. BARRETT

FROM:

G.W. MARTIN

SUBJECT: BOLT ACTION RIFLE SAFETIES

Since your last visit, and per your request, we have had the opportunity to look into three (3) different areas for information. The three (3) areas are as follows:

1. The computer

- 2. All available Gunsmith Call Reports
- 3. Arms Service Usage Report

41. 14º

The Computer Report is broken down into three (3) parts.

- 1. Safety malfunctions found in our gallery on new rifles.
- 2. The number of complaints coming into Arms Service
- 3. The number of actual justified complaints from number 2, preceding. A copy of these reports are attached.

The Gunsmith Call Reports date back as far as 1970. In these reports we find one (1) Model 600, two (2) Model 788, and thirteen (13) Model 700's with some sort or another of justified or unjustified malfunctions. The one that is the most concerning is Fred Woodrick's Call Report of March 5th. on Ewell Cross Gunshop, Ft. Worth, Texas. I personally called Malcom Cross to confirm that he did encounter six (6) Model 700's that were malfunctioning. He did verify that it was the Model 700, but that it was an educated guess on the number. He did say that this is the first that he had encountered this on the Model 700. He stated that it was because there was not enough clearance between the sear and the connector. He did not seem concerned, but promised to send us the very next one he gets into his Shop. Copies of these Gunsmith Call Reports are attached.

We are also enclosing the Arms Service Usage Report. Truthfully, I don't think we can get much meat from this report for our particular purpose. It would be too difficult to get factually why the various components parts were needed.

We are attaching, also, a copy of the Model 700 Safety Function Test Preliminary Survey as of May 19th. In addition to the guns already tested, we received, today, 220 additional rifles from Carter's Country in Houston, Texas.

Clarge

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

C. F. Prosser

Ilion, New York March 4, 1976

TO: J. P. LINDE
FROM: F. E. MARTIN

SUBJECT: M/700 25 06 Ser. #6496814
Customer Complaint Accidental Discharge

This rifle was received from G. W. Martin for examination by R&D. This inspection was made March 2, 1976 by J. P. Linde, C. F. Prosser and F. E. Martin.

It was found during examination that this gun could be made to "Follow-Down". It was decided at this time to replace the fire control. This was done by C. F. Prosser and examination of the fire control assembly continued. During this examination the following items were noted. The sear safety cam showed a radius at the sear area. The trigger connector also showed the same radius at the mating point. It is known that this damage is indicative of being caused by a pierced primer. The fire control itself showed less trigger-sear engagement than is presently accepted. It was noted that the fire control had not been tampered with and was one that was set entirely by the assembler. Present practice is to set sear engagement and trigger pull by use of a comparator. There was no damage to the fire control assembly noted.

To determine if pierced primers had been experienced, G. W. Martin contacted the former owner of this rifle. It was determined through this conversation that the former owner was not a handloader and had not used handloads. It was also determined that he did not know what a pierced primer was. Further examination of this rifle is to be done. This will include a chamber cast and shooting.

It is felt by all persons that examined this rifle that through some misuse the fire control of this rifle was made defective.

FEM:bd Ilion Research Division

KEM 0087271

LUN 0018605

Also additional capais and file under	CHUSE	FOREIGN MATTER BINDING SEALS	F.P. BILLE, DET AN COT MISCOT IS FIP,	Rops out the	cooling of morely one be. in Boy	SEAR BLODS, BUER IN YOUR HOUSING PIN HOLE	CONNECTOR SINDS, BURR @ - HOLE	COMME DIPLICATIVE - CHARCES OIL		Sector Desiry Berebet - 150 Liber	TORUNARD, Kart, Pie Cor .015	SPECEDS SAFETY LIFT 0015	9	INSCREPCEMENT TRANSPORT OF DISCONDINCTOR, DROPS OFF A. BAR	TRIGGER STICKS BACK BINDS IN GUARD - LEFT SIDE	COURSET DIPLICATED, BUT TOOLD PRINTER POSIL . U ACTION	Debrary Butter Black and Street - they day Ris, ON THUCE.		MASSERGENT SAPERY LIFT , 0015 (1006 MILE)	•			LUN 00112234	REM 0080902	
Cho.	FECT	A L	R	Q A	2	4	2	4	P	FISE P	- Albana Chosana	FSK	72	£	TASE .	A	#5R	P	FER						
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 9 10	3-	2/12/11				11 28 76			12/5/76		12 19 76			1 2 2		1/16/77	1					*			

REMINGTON ARMS COMPANY, INC.	REMINGTON ARMS CO. RECEIVED MAR : 1980 CC: C. B. Astronan J. F. Linde T. W. Rawson, Bpt. E. G. Larson
Remington PETERS	ILION RESEARCH DIVISION
"CONFINE YOUR LETTER TO ONE SUBJECT ON	ILION RESEARCH DIVISION ILION RESEARCH DIVISI
E. HOOTON, JR.	of Selvandon Clark
In response to Earl Larson's letter to the following data is supplied histo- were returned for a safety complaint. all customer returned Model 700's that safe (see attached letter).	o D. J. Serita dated Jenuary 23, 1980, and are items where Bolt Action firearms. We have been previously reporting on failed the trick test and fires off
Production for the Model Period Complain	Total No. Unable Total No. to Dunlicate Verified
700 788 600 .33 % Latture rate 0 5 660 721 722 725	= 89 44 6 3 2 1 1 - 1 1
I. Model	Total No.
1) Rifle discharged when Safety 2) Trigger stiff - misfires 3) Follows Down 4) Bolt closes herd and discharge 5) Delayed firing 6) Fires on closing Bolt when us 7) Rifle discharged when Bolt he 8) Push Safety to "Off" position	ges 2 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Trigger and rifle discharge 9) Accidental discharge 10) Fires on closing 11) Safety does not work 12) Defective Safety - works hard 13) Faulty Trigger - gun goes off 14) Goes off prematurely	1 5 8 1 1

: REM 0034093 :

: REM 0034094

,)			
domplaints	Verified Contd.		
I Model	700 - Contd.		
(3)	Accidental Discharge		Total No. = 2
	Càuses:	No.	
	a Insufficient Sear lift	1	
	b) Adjusting Screws adjusted outside of factory	1	
4)	Safety Does Not Work		Total No. = 3
	Causes:	No.	
	a) Safety clearance cut in Stock missut	17 7	
	b) Safety binds in Receiver	ì	
	c) Detent ball missing	1	× 1
5)	Fires on Closing		Total No. = 4
	Causes:	No.	
	a) Interior of housing dirty oily b) Seer rubs in housing	1	
	c) Adjusting Screws adjusted outside of factory	1	
	d) Connector broken	ī	
6)	Rifle Discharges with Safety On		Total No. = 2
	Causes:	Ng.	
	a) Trigger binds on Trigger Guard (could not verify on Sefe -		
	only when Safety released) b) Safety not responsive	1	
	(could not verify full on Safe - only null location)	_ / /	
7)	Trigger Will Not Work		Total No. = 1
	Cause:	No.	
	a) Chip lodged in front of Trigger	1	
(3	Trigger Pull Light		Total No. = 1
K.	Cause:	No.	
	a) Adjusting Screws adjusted outside of factory	ı	

: REM 0034095 :

: REM 0034096 :

,		vi
Corplaints Verified Contd.		
I. Model 700 - Contd.		•
9) Sefety Malfunction		Total No. = 1
Cause:	No.	
a) Follows down - housing very dirty - Sear sluggish	ı	
10) Gun Has Gone Off Several Times		Total No. = 1
Cause:	No.	
a) Follows down - adjusting Screws adjusted outside of factory	1,2	
11) Delayed Firing		Total No. = 1
Cause:	No.	·
e) Safety interferes with top of Stock	1	
12) Trigger Has Hesitation		Total No. = 1
Cause:	No.	
a) Adjusting Screws adjusted outside of factory	1	2
		Total Verified 44
II. <u>Model 788</u>		
Compleints:		
1) Rifle Discharged When Safety is Relea	sed	Total No. = 2
Cause:	No.	\\
 a) Insufficient Seer Lift b) Steel chip embedded in housing (Trigger not retracting under Sear fully) 	1	
	1	material a
2) Safety Defective		Total No. \(\frac{1}{2}\)
Cause:	No.	
 a) Trigger and Sear altered outside of factory 	<u>1</u>	
b) Safety works hard c) Foreign substances in	ī	/ /
Receiver and on Bolt Stop	ı	

: REM 0034097 :

Compleints Verified Contd.

VI. Model 722

Complaints:

1) Rifle Discharges When Safety is Released

Total No. = 1

Cause:

a) Insufficient lift

No.

1

R. L. Hall Plant Manager

H. K. Boyle

Asst. Plant Manager

HKB: ab

REM 0034098 :

02/22/95 14:21 27816 374 3302

REHINGTON ARMS COMPANY, IKC.

אווששואשים

Remington.

PATERS

"CONFINE YOUR LETTER TO ONE SUBJECT CINLY"

January 25: 1990

TO:

K.D. GREEN

FROM:

J.A. STEKL

RE:

MITOO RIFLE RETURNS - ALLEGED ACCIDENTAL FIRINGE

The number of Model 700 rilles being returned to the dectory because of alleged accidental firing mattenetions is constantly increasing.

170 were returned to Product Service for examination in 1968 with various accidental firing complaints.

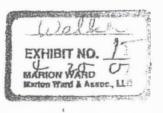
To date this year, 28 have been returned.

JAS: tpp

ce: W.E. Erleson
J.G. Hutton

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

HOTENIMER , VEMALLIN



IL 126 01561 ..

PR 3604