

# REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

*Remington*  
ROUPONT

*PETERS*  
ROUPONT

REMINGTON ARMS CO.

RECEIVED

MAR 7 1980

cc: C. B. ~~Markman~~  
 J. P. Linde  
 T. W. Rawson, Bpt.  
 E. G. Larson

ILION RESEARCH DIVISION

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

E. HOOTON, JR.

*Jim Martin*  
*for your use in developing a better*  
*Bolt Action Gun*  
*Control*  
*Clark*

Ilion, New York  
 March 5, 1980

## SAFETY-RELATED COMPLAINTS-BOLT ACTION CENTER FIRE RIFLES JULY, 1979 - JANUARY, 1980

In response to Earl Larson's letter to D. J. Sanita dated January 23, 1980, the following data is supplied. Listed are items where Bolt Action firearms were returned for a safety complaint. We have been previously reporting on all customer returned Model 700's that failed the trick test and fires off safe (see attached letter).

<u>Model</u>	<u>Production for the Period</u>	<u>Complaints</u>	<u>Total No. Unable to Duplicate</u>	<u>Total No. Verified</u>
700	83,862	133	89	44
788	14,735	10	4	6
600	-	5	3	2
660	-	1	-	1
721	-	1	1	-
722	-	1	-	1
725	-	1	-	1

Complaints - Unable to Duplicate

Total No.

### I. Model 700

1) Rifle discharged when Safety is released	54
2) Trigger stiff - misfires	1
3) Follows Down	4
4) Bolt closes hard and discharges	2
5) Delayed firing	5
6) Fires on closing Bolt when unloading	3
7) Rifle discharged when Bolt handle raised	2
8) Push Safety to "Off" position - slight touch of Trigger and rifle discharges	1
9) Accidental discharge	5
10) Fires on closing	8
11) Safety does not work	1
12) Defective Safety - works hard	1
13) Faulty Trigger - gun goes off	1
14) Goes off prematurely	1
	<u>89</u>

March 5, 1980

Complaints Unable to Duplicate - Contd.Total No.II. Model 788

- |   |               |
|---|---------------|
| 1) Fires on Safe                          | 1             |
| 2) Fires when chambering round            | 1             |
| 3) Fires on closing                       | 1             |
| 4) Close Bolt with Safety on - discharges | $\frac{1}{4}$ |

III. Model 600

- |   |               |
|---|---------------|
| 1) Follows Down   | 1             |
| 2) Safety doesn't work  | 1             |
| 3) Fails to fire when Trigger pulled,<br>Fires on closing and<br>Fires when Safety released | $\frac{1}{3}$ |

IV. Model 721

- |                     |               |
|---------------------|---------------|
| 1) Fires on closing | $\frac{1}{1}$ |
|---------------------|---------------|

Complaints VerifiedI. Model 700Complaints:1) Rifle discharges when Safety is released

Total No. = 19

<u>Causes:</u>	<u>No.</u>
a) Insufficient Sear lift	3
b) Trigger bent	1
c) Adjusting screws adjusted outside of factory	8
d) Safety Detent ball missing	1
e) Excess oil in housing	1
f) Interior of housing dirty	1
g) Excess movement of Trigger	1
h) Trigger binds on Trigger Guard	1
i) Excess clearance - Trigger and Trigger Pin	1
j) Safety not responsive	1

2) Follows Down

Total No. = 8

<u>Causes:</u>	<u>No.</u>
a) Sear binds	4
b) Adjusting Screws adjusted outside of factory	2
c) Connector broken	1
d) Engagement surfaces of Sear and Connector chipped	1

March 5, 1980

Complaints Verified Contd.I. Model 700 - Contd.3) Accidental Discharge

Total No. = 2

Causes:No.

- a) Insufficient Sear lift
- b) Adjusting Screws adjusted outside of factory

1  
1

4) Safety Does Not Work

Total No. = 3

Causes:No.

- a) Safety clearance cut in Stock miscut
- b) Safety binds in Receiver
- c) Detent ball missing

1  
1  
1

5) Fires on Closing

Total No. = 4

Causes:No.

- a) Interior of housing dirty - oily
- b) Sear rubs in housing
- c) Adjusting Screws adjusted outside of factory
- d) Connector broken

1  
1  
1  
1

6) Rifle Discharges with Safety On

Total No. = 2

Causes:No.

- a) Trigger binds on Trigger Guard (could not verify on Safe - only when Safety released)
- b) Safety not responsive (could not verify full on Safe - only null location)

1  
1

7) Trigger Will Not Work

Total No. = 1

Cause:No.

- a) Chip lodged in front of Trigger

1

8) Trigger Pull Light

Total No. = 1

Cause:No.

- a) Adjusting Screws adjusted outside of factory

1

March 5, 1980

Complaints Verified Contd.I. Model 700 - Contd.9) Safety Malfunction

Total No. = 1

Cause:No.

- a) Follows down - housing very
- 
- dirty - Sear sluggish

1

10) Gun Has Gone Off Several Times

Total No. = 1

Cause:No.

- a) Follows down - adjusting Screws
- 
- adjusted outside of factory

1

11) Delayed Firing

Total No. = 1

Cause:No.

- a) Safety interferes with top
- 
- of Stock

1

12) Trigger Has Hesitation

Total No. = 1

Cause:No.

- a) Adjusting Screws adjusted
- 
- outside of factory

1

Total Verified 44

II. Model 788Complaints:1) Rifle Discharged When Safety is Released

Total No. = 2

Cause:No.

- a) Insufficient Sear Lift
- 
- b) Steel chip embedded in housing
- 
- (Trigger not retracting under
- 
- Sear fully)

1

1

2) Safety Defective

Total No. = 3

Cause:No.

- a) Trigger and Sear altered
- 
- outside of factory
- 
- b) Safety works hard
- 
- c) Foreign substances in
- 
- Receiver and on Bolt Stop

1

1

1

March 5, 1980

Complaints Verified Contd.II. Model 788 - Contd.3) Misfires

Total No. = 1

Cause:No.

a) Safety hits top of Stock

1

Total Verified 6

III. Model 600Complaints:1) Trigger Will Not Move

Total No. = 1

Cause:No.

a) Excessive Sear engagement

1

2) Trigger Defective

Total No. = 1

Cause:No.a) Follows down - Housing dirty  
Sear binds

1

Total Verified 2

IV. Model 660Complaints:

Total No. = 1

1) Fires on Closing and Opening BoltCause:No.a) Housing not centered in Firing  
Pin head slot in Receiver

1

V. Model 725Complaints:

Total No. = 1

1) Accidental DischargeCause:No.

a) No Sear lift - Fire Control worn

1

March 5, 1980

Complaints Verified Contd.

VI. Model 722

Complaints:

1) Rifle Discharges When Safety is Released

Total No. = 1

Cause:

No.

a) Insufficient lift

1

R. L. Hall  
Plant Manager

*H. K. Boyle*  
H. K. Boyle  
Asst. Plant Manager

HKB:ah