

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



REMINGTON ARMS CO.
RECEIVED

MAR 7 1980

cc: C. H. Workman
J. P. Linde
T. W. Rawson, Ept.
E. G. Larson

ILION RESEARCH DIVISION

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

E. HOOTON, JR.

*Jim Martin
for your use in developing a bottle
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).

Model	Production for the Period	Complaints	Total No. Unable to Duplicate	Total No. Verified
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> |

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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, Fires on closing and Fires when Safety released	$\frac{1}{3}$

IV. Model 721

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

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

Total No. = 2

Causes: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 miscut 1
- b) Safety binds in Receiver 1
- c) Detent ball missing 1

5) Fires on Closing

Total No. = 4

Causes:No.

- a) Interior of housing dirty - oily 1
- b) Sear rubs in housing 1
- c) Adjusting Screws adjusted
outside of factory 1
- d) Connector broken 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) 1
- 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

8) Trigger Pull Light

Total No. = 1

Cause:No.

- a) Adjusting Screws adjusted
outside of factory 1

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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

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 600

Complaints:

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 660

Complaints:

Total No. = 1

1) Fires on Closing and Opening Bolt

Cause:

No.

- a) Housing not centered in Firing
Pin head slot in Receiver

1

V. Model 725

Complaints:

Total No. = 1

1) Accidental Discharge

Cause:

No.

- a) No Sear lift - Fire Control worn

1

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