

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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cc: C. B. Workman

R. E. Carr

J. P. Linde

F. E. Martin

File

"CONFINE YOUR LETTER TO ONE SUBJECT" _____

Ilion, New York
January 28, 1975

TO: W. E. LEEK.

FROM: A. A. HUGICK - F. E. MARTIN

DATE: January 27, 1975

WORK ORDER: G 0410

SUBJECT: MOHAWK 600 RIFLE QUALITY AUDIT

INTRODUCTION:

Per request of Design, twenty (20) Mohawk 600 rifles were withdrawn from the warehouse for a Research Quality Audit check. The twenty (20) gun selection was five (5) rifles in each of the four (4) calibers current in the Mohawk 600 rifle line. The audit request was initiated by field complaints regarding M/600 rifles being fired by manipulation of the safe. This quality audit activity is focused on field complaint review.

TEST OBJECTIVE:

Investigate and review the Mohawk 600 rifle for ability to fire the rifle with manipulation of the safe.

TEST OBSERVATIONS:

1. All twenty (20) rifle safes exhibited normal functions with safes in the full safe on position.
2. Sixteen (16) rifles could be made to produce striker fall if the safe was positioned between full safe on and full safe off, the trigger firmly squeezed, followed by manipulation of the safe.
3. Four (4) rifles could not be made to produce a striker fall if the safe was positioned between full safe on - and full safe off, the trigger firmly squeezed, followed by manipulation of the safe.

To: W. E. Leek
From: A. A. Hugick - F. E. Martin
Subject: Mohawk 600 Rifle Quality Audit

Jan. 28, 1975
Page 2

TEST OBSERVATIONS: (Cont'd)

4. A check of the production sample 2/73, and Research Design Test rifles exhibited this ability to produce a striker fail with manipulation of the safe.
5. Two (2) rifles had steel drilling chips located in the fire controls. ←
6. One (1) rifle had a large wood chip located next to the fire control housing in the stock assembly.
7. Trigger pull and sear-to-connector engagement was checked and found to be normal with one exception. Excessive (.050⁺) sear-to-connector engagement was noted on 6786714 - 308 cal. -EY-96.
8. Six (6) rifles could be made to follow down. This was accomplished by maintaining forward bolt handle pressure during cocking of the striker assembly.
9. One (1) rifle had the rear sight broken off. This was not located in the packing box. This rifle 6807380 - 6mm-XY-96 also had the rear sight spacer block backward which may have caused this breakage.
10. Results of reviewing these twenty(20) rifles have been reviewed with Design and PE&C.

6786690-308-EY-96

1. Can be made to follow down - if the bolt is rotated and maintained in forward position.
2. Can be made to fire with safety if safe thumb piece is positioned at approx. 1/2 way between safe on - safe off, and trigger is pulled.
3. Trigger pull: 4.25, 3.75, 4.00.
4. Sear-to-connector engagement appears normal.

To: W. E. Leek
From: A. A. Hugick - F. E. Martin
Subject: Mohawk 000 Rifle Quality Audit

Jan. 28, 1975
Page 3

6786650 - 308-BZ-96

1. Can be made to follow down
2. Can be made to fire with safe.
3. Trigger pull - 5.00, 4.75, 4.75
4. Sear-to connector engagement appears - below normal.
5. Drilling chip removed from fire control.

6786714 - 308-EY-96

1. Can be made to follow down.
2. Can be made to fire with safe
3. Trigger pull 3.75, 3.75, 4.00
4. Sear-to-connector engagement appears excessive plus.

6786492-308-EY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 5.0, 5.0, 5.0
4. Sear-to-connector engagement appears Normal.

6786394-308-EY-96

1. Can not be made to follow down
2. Can be made to fire with safe
3. Trigger pull 4.00, 4.25, 4.25
4. Sear-to-connector engagement appears Normal.

To: W. E. Leek
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Subject: Mohawk 600 Rifle Quality Audit

Jan. 28, 1975
Page 4

674531-222-EY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 4.25, 4.25, 4.25
4. Sear-to-connector engagement appears below Normal.
5. Drilling chip removed from fire control.

6808449-222-XY-96

1. Can be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 4.50, 4.25, 4.25
4. Sear-to-connector engagement appears below Normal.

6808576 - 222-XY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 3.75, 3.75, 3.50.
4. Sear-to-connector engagement appears Normal.

6808461 - 222-XY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull 3.50, 3.25, 3.50
4. Sear-to-connector engagement appears normal.

To: W. E. Leek
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Subject: Mohawk 600 Rifle Quality Audit

Jan. 28, 1975
Page 5

6806518-6mm-XY-59

1. Can be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 4.25, 4.00, 3.75
4. Sear-to-connector engagement appears normal.

6807129-6mm-XY-96

XXX

1. Can not be made to follow down.
2. Can not be made to fire with safe.
3. Trigger Pull - 3.50, 4.25, 4.25
4. Sear-to connector engagement appears below normal.

6806550 - 6mm-XY-59

XXX

1. Can not be made to follow down.
2. Can not be made to fire with safe.
3. Trigger Pull - 3.00, 2.75, 2.75
4. Sear-to-connector engagement normal.

6807245-6mm-XY-59

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 3.50, 3.00, 3.50
4. Sear-to-connector engagement appears normal.

To: W. E. Leek
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Subject: Mohawk 600 Rifle Quality Audit

Jan. 28, 1975
Page 6

6807380-6mm-XY-96

XXX

1. Can not be made to follow down.
2. Can not be made to fire with safe.
3. Trigger pull 3.00, 2.50, 2.50.
4. Sear-to-connector engagement appears normal.
5. Rear sight broken, spacer block is backward which is possible cause.

6785732-243 Cal. -EY-96

1. Can be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull 4.00, 3.75, 3.75
4. Sear-to-connector engagement appears normal.

6785572-243 Cal. - DY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull 3.50, 4.25, 4.25.
4. Sear-to-connector engagement appears normal.

6786165-243 Cal. - EY-96

1. Can not be made to follow down.
2. Can be made to fire with safe.
3. Trigger pull - 4.25, 4.50, 4.25
4. Sear-to-connector engagement appears normal.

To: W. E. Leek
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Subject: Mohawk 600 Rifle Audit

Jan. 28, 1975
Page 7

6785580 - 243 Cal. - DY-96

XXX

1. Can not be made to follow down.
2. Can not be made to fire with safe.
3. Trigger Pull - 4.50, 4.25, 4.25,
4. Sear-to-connector engagement appears normal.
5. Large wood chip inside stock next to fire control

6785586 - 243 Cal. - DY-96

1. Can not be made to follow down.
2. Can be made to fire with safe
3. Trigger pull 4.50, 4.50, 4.25
4. Sear-to-connector engagement appears below normal.

6807766 - 222 Cal. - BZ - 96

1. Can not be made to follow down
2. Can be made to fire with safe.
3. Trigger pull 6.00, 5.50, 5.50
4. Sear-to-connector engagement appears normal.

AAH/FEM:bd
Measurement/Test Lab
Illion Research Division

Attachments (4)

To: W. E. Leek
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Jan. 28, 1975
Page '8

MOHAWK 600

308

6714 - EY	Oct. 74
6492 - EY	Oct. 74
6650 - BZ	Jan. 75
6394 - EY	Oct. 74
6690 - EY	Oct. 74

243

5580 - DY	Sept. 74
6165 - EY	Oct. 74
5572 - DY	Sept. 74
5532 - EY	Oct. 74
5586 - DY	Sept. 74

222

8461 - XY	Dec. 74
5531 - EY	Oct. 74
8449 - XY	Dec. 74
7766 - BZ	Jan. 75
8576 - XY	Dec. 74

6mm

6518 - XY	Dec. 74
7129 - XY	Dec. 74
6550 - XY	Dec. 74
7245 - XY	Dec. 74
7380 - XY	Dec. 74

1/23/75

AL

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Jan. 28, 1975

Page 1

MOHAWK 600

6mm

6807380
6807245 - Burr on Trigger Guard
6806550 - Poor finish on stock
6807129 - Poor finish on stock - marred
6806518

243

6785586
6785580 - Open grain - right side of stock - rough trigger
6786165 - Burr on trigger Guard
6785572
6785732 - Poor finish left side stock

308

6786690
6786394 - Catch when closing bolt
6786650
6786492
6786714

222

6808449 - Fore-end on stock - marred
6745531
6808461 - marred fore-end
XY 6808576 - Barrel marred
EZ 6807766 - Poor finish on both side/pistol grip

1/23/75

AL

LARGE WOOD CHIP + STAINING
REMOVED FROM STOCK - NEXT
TO FIRE CONSOLE



6785580-243-DY-96



11/1

TAKEN FROM REAR OF
SEAR

678#6650-308-B8-96

TAKEN FROM REAR OF
SEAL

6745531-222-EY-96