

MOD. 700 ADL: 20-06

Sec No. 6259346

Recd. 1-6-83

Checked By Rider C. Johnson

NUMBER

R# 01224

P.I. No

MOD. 7-69

COMMENTS:

6-20-83

THROUGHOUT ALL ATTEMPTS, THE ALLEGED MALFUNCTION "... I attempted to eject the live ammo and carefully pushed the safety forward. The rifle fired into the concrete floor." WAS NOT OBSERVED TO HAPPEN.

THE FOLLOWING MEASUREMENTS WERE OBTAINED:

SEAR LIFT (SAFETY ON "S") = 0.005 INCH } IN-RECEIVER GAGE

SEAR LIFT (NULL POSITION) = 0.002 INCH } D-2-44581

TRIGGER PULL (2nd. Arm) = 4 1/2 LB.

TRIGGER PULL (to end of trigger travel. SAFETY ON "S") = 6 LB.

SAFETY ARM WORKING FORCE } SPRING SCALE

FROM "S" to "F" = 4 1/2 LB

FROM "F" to "S" = 3 1/2 LB

ENGAGEMENT OF SEAR TO

TRIGGER CONNECTOR = 0.012 INCH } OPTICAL COMPARATOR 50X

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Neo Zco

R⁺ C1224

See No. 6259346

RI No.

Recd. 1-1-83

WFO. 7-69

Classed By PC/Johnson

House

6-20-23

COMMENTS:

THIS GUN WAS COCKED, ITS SAFETY WAS SWITCHED TO THE
POSITION, AND IT WAS PLACED INSIDE A COLD BOX (INSIDE
THERMISTERS INDICATED -30 F) AT 4:35 a.m. ON 06 APRIL 83.

UPON REMOVAL OF THIS GUN FROM THE COLD BOX (INSIDE THERMOMETER
INDICATED -29 F) AT 9:40 a.m. ON 07 APRIL 83, THE FOLLOWING
TEST WAS IMMEDIATELY PERFORMED:

- ① Pull trigger to see if it locks or sticks back. —
It ^{UP} DID NEITHER. ✓

- ② Loaded safety to "F" position - IT DID NOT FIRE-DRAWN.

- ③ On, left and check the answer - NONE.

- ④ Ch. Alt and work basket - NO PROBLEM. POSITIVE ACTION.

- ⑤ Switch safety to "S" position, pull back hard on trigger, release trigger, switch safety to "F" position. Repeat this three times. — THE FIRING PIN DID NOT FIRE-DOWN.

- ② With safety switched to "F", - it is, pull trigger. - The
FIRING PIN FIRED - DOWN - SNAPPY.

- ⑦ Reinck the belt and present the entire test. — No PROBLEMS ENCOUNTERED AND NO F.S.R. OBSERVED.

- ⑧ Random "trick test". - Gun PASSED THE "TRICK TEST".

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MOO. 710

Seq No. 4250966

Recd. 1-6-83

Checked By R. G. L. L.

Number 1

R# 01224

PI 11

MFO. 7-69

COMMENTS:

7-18-83

1. On disassembling the gun to subassemblies, the following observations were made:

① There was a bright polished upset on the front action edge of the bolt blue approximately $\frac{1}{8}$ " right of the firing pin head slot center line.

② The engagement surface of the firing pin head appeared to be relatively rough.

③ There was quite a lot of debris (oil and dirt) on and around the trigger housing assembly.

④ Some scaling was observed on the left rear of the bolt hole at the receiver tank.

Trigger housing assembly was removed soon the unloaded action. The following observations were made:

⑤ The bolt face appeared to have a relatively large radius on top.

⑥ A fine grit was evident within the trigger housing assembly (looked like oil + dirt).

⑦ All screws were tightly sealed.

Trigger housing assembly was disassembled and the following observations were made:

⑧ There was a small amount of clearance between the tip of the trigger and the face of the connector when the connector was seated downward on the trigger.

MOO. 700
 Ser. No. 6358346
 Recd. 1-6-83
 Checked By R. MacLean
 Number

R# 11224
 PI 1/6
 MFO. 7-69

COMMENTS:

7-12-83

- (9) THE CONNECTOR DID NOT APPEAR TO BE TIGHT TO THE TRIGGER.
- (10) THERE APPEARED TO BE A RELATIVELY LARGE AMOUNT OF PLAY BETWEEN TRIGGER AND CONNECTOR.
- (11) THERE WAS FINE SANDY GRIT THROUGHOUT THE HOUSING.
- (12) THERE WERE NO BURRS AROUND THE TRIGGER HOLE IN THE INSIDE OF THE HOUSING PLATE.
- (13) THE TRIGGER SPRING WAS SHARP AT BOTH ENDS.
- (14) RUS- WAS ON BOTH SIDES OF THE TRIGGER.
- (15) THE SIDE OF THE CONNECTOR WAS SLIGHTLY BULGED ADJACENT TO THE HOLE AND THERE WAS A BRUIT MARK ON THE BULGE.
- (16) THERE WAS A BUMP ON THE TRIGGER BOTTOM WHERE THE CONNECTOR PIVOTS.
- (17) THE SURFACE ON THE BACK OF THE SEAR WAS NOT AS SMOOTH AS SEARS OBSERVED IN THE PAST.