

MOD. 700 ADL: 20-06

Ser. No. 6259346

Recd. 1-6-83

Checked By Rider C. JohnsonNUMBER

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

R⁺ C1224

1/2

WFO. 7-69

None

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 - looks or sticks back -
IT DID NEITHER.

- ② Initial socket to "F" position - IT DID NOT FIRE-DRAWN.

- ③ On, Lt and check be same - NONE.

- ② Chz. Alt not 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, full trigger. - The
FIRE PIN FIRED - DOWN - SNAPPY.

- ⑦ Risk the little and repeat the action first. — No PROBLEMS ENCOUNTERED AND NO F.S.R. OBSERVED.

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

Handwritten practice lines for the letter 'c' on lined paper. The letter 'c' is written multiple times in a cursive style across several rows. The word 'and' is written in the middle row, and 'K. S.' is written in the row below it.

MOO. 710Seq No. 4250966Recd. 1-6-83Checked By R. L. L. L.Number 1R# 01224PI 11MFO. 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 (i.e. dirt & grease) on and around the trigger housing assembly.

④ Some galling was observed on the left rear of the bolt hole at the receiver tang.

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.

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MOO. 700
 Ser. No. 6358346
 Recd. 1-6-83
 Checked By RL MacLain
 Number

R# 11224
 PI 1/6
 MFD. 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.