REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington SUPERIOR / PETERS SUPERIOR

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

Distribution: C. B. Workman
J. S. Martin
C. E. Ritchie
F. S. Martin

RESEARCH TEST and MEASUREMENT REPORT – Report No. 812441

NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

Prepared by: Ron Williams

Date Prepared: 9/10/82

Proofread and Cleared By:

J.H. Hennings, Foreman-Test Lab / R.E. Nightingale, Foreman-Measurement Lab

Signature Date 9-15-82

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

Signature Date 9-14-82

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 812441

REPORT TITLE: New Design Trigger/Sear Block Evaluation

MODEL(S): 700 ADL

GAUGE OR CALIBER: 6MM Remington

DATE: 9/10/82

WORK ORDER NO.: C-1803-000

PART NAME: Trigger Assembly

DESIGNER/ENGINEER: F. Martin

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED _____
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: Static
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: 5

   NO. OF ROUNDS PER GUN 2,500

   TOTAL ROUNDS FIRED IN TEST: 12,500

   AMMO TYPE: MAGS. _____; TARGET: _____

   RIM FIRE _____ CENTER FIRE 6mm

REMINGTON ARMS COMPANY, INC. Report No. 812441
Firearms Research Division

September 10, 1982

TO: J. H. Hennings

FROM: R. Williams

REPORT TITLE: NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

ABSTRACT:

A total of (5) M /700 Fire control assemblies with the New Design safety assemblies, were delivered to the Test Lab by Fred Martin for testing. This safety assembly blocks the trigger and the sear so that the firing pin won't fall when the trigger is held back while the safety switch is pushed from the safe to fire position. Both dry cycle and live fire endurance tests were used to test the assemblies. A M/700 fire control assembly (Current Production) was used as a control and (4) out of the (5) New Design assemblies were used in the test.

SCOPE OF TEST

To evaluate the functional performance of the New Design safety assembly, in the M/700 Rifle during lab testing.

TEST RESULTS

No functional problems arose during testing. Both the New Design safety and the control functioned normally. There was no significant change in the safe On/Off forces measured before, during and after testing, on all the assemblies, including the control.

REPORT TEXT

All four (4) new trigger assemblies were subjected to the following trick test:

- Place Safety Switch in the Safe "On" position.
- Close the bolt.
- Put constant pressure on the trigger attempting to fire the rifle.
- Push the Safety Switch from the "On" position to the "Off" position.
- Does the firing pin fall?

All four (4) New Design Trigger Assemblies with the trigger /sear blocked passed this test. In all four (4) guns the firing pin did not fall.

NOTE: The measurements recorded for the Safe On/Off forces are questionable. There is no way to determine if they are within Remington Standards, because there are no standards written for these forces with this fire control assembly. The only Remington Standards written for Safe On/Off forces, pertain to the common fire control. That Standard is:

4 – 8 lbs. – One sharp click
Double click not allowed

The Safe On/Off forces measured in this test range from 5.25 lbs to 10.2 lbs. – almost a 5 lb. difference. (Refer to Appendix A, Data Sheets No. 1 – 5 for all Safe On/Off measurements).

TEST PROCEDURE

A. MEASUREMENTS

The following measurements were taken on the five rifles used in this test:

- Headspace
- Firing Pin Indent
- Trigger Pull
- Sear Lift
- Sear Engagement
- Safe On/Off Forces

B. TEST CONDITIONS

1. After every 20 rounds fired, the safety was checked. This was done by holding the trigger and pushing the safety switch from safe to fire.
2. After 1,000 rds. of live fire all the rifles were cleaned and they were remeasured. (Jack Shooting).
3. The rifles were then subjected to Safe On/Off dry cycle. Each rifle was cycled for 2,500 cycles, with Safe On/Off measurements taken every 500 cycles and Sear Lift and Engagement at the 2500 cycle level.
4. The rifles were then live-fired to the 2,000 round level. (Jack Shooting) Measurements were taken at this level.

TEST PROCEDURE – CONT'D.

5. The rifles were then subjected to another Safe On/Off dry cycle test. They were brought to the 5,000 cycle level. (2,500 additional cycles) Safe on/off measurements were taken every 500 cycles and sear lift and engagement wear measured at the 5,000 cycle level.

These same procedures were followed until live fire totaled 2,500 rounds per rifle and safe On/Off dry cycle totaled 7500 cycles per rifle.

C. AMMUNITION

Remington 80 grain Pointed Soft Point.

APPENDIX "A"

45-60E EYE-EASE
45-70E 20/20 BUFF

Report No. 81244

M-700 TRIGGER/SEAR BLOCK EVALUATION

No. 1

Aug. 31, 1982

R. Williams

M-700	6MMCAL. # A6752973 Sample No. 1	1 HEADSPACE	2 FIRING PIN INDENT	3 SAFE (lbs) ON	3 SAFE (lbs) OFF	4 TRIGGER PULL (lbs)	5 SEAR LIFT	6 SEAR ENGAGEMENT
	START OF TEST	MIN. +.004"	.025"	6.2	6.0	4.0	.0105"	.035"
	LIVE FIRE after 1,000 rds.	MIN. +.004"	.025"	6.2	6.0	4.25		
	DRY CYCLE							
	500 cyc.			5.5	8.6			
	1000 cyc.			5.8	9.7			
	1500 cyc.			5.7	9.5			
	2000 cyc.			5.5	8.7			
	2500 cyc.			5.7	9.3		.0105"	.035"
	LIVE FIRE after 3,000 rds.	MIN. +.004"	.025"	5.6	7.3	4.0	.0165"	.027"
	DRY CYCLE							
	3000 cyc.			6.2	9.3			
	3500 cyc.			6.5	10.8			
	4000 cyc.			5.7	9.2			
	4500 cyc.			6.2	9.5			
	5000 cyc.			6.2	9.2		.0165"	.027"
	LIVE FIRE after 2500 rds ttl.	MIN. +.004"	.025"	6.3	8.5	4.5		
	DRY CYCLE							
	5500 cyc.			6.2	10.5	4.8		
	6000 cyc.			6.2	10.0	4.6		
	6500 cyc.			6.2	8.8	4.6		
	7000 cyc.			6.0	7.8	4.8		
	7500 cyc.			6.2	9.8	4.6		

45-60B EYE-EASE
45-70E 20/20 BUFF

Report No. 81244
No. 2

M-700 TRIGGER/SEAR BLOCK EVALUATION

Aug. 31, 1982

R. Williams

M-700	6MM cal. #A6744869 Sample No. 2	1 Headspace	2 Firing Pin Indent	3 Safe (in lbs.) ON	3 Safe (in lbs.) OFF	4 Trigger Pull (in lbs.)	5 Sear Lift	6 Sear Engagement
	START OF TEST	Min. +.003"	.023"	6.5	5.3	4.3	.0135"	.026"
	LIVE FIRE after 1000 rds.	Min. +.004"	.024"	6.4	5.2	4.4		
	DRY CYCLE							
	500 cyc.			5.9	7.8			
	1,000 cyc.			6.0	6.7			
	1500 cyc.			6.0	7.0			
	2,000 cyc.			5.5	6.7			
	2500 cyc.			5.3	7.7		.015	.025
	LIVE FIRE after 2,000 rds.	Min. +.004"	.023"	5.7	4.8	4.2	.014"	.029"
	DRY CYCLE							
	3000 cyc			6.5	8.0			
	3500 cyc.			5.5	7.8			
	4000 cyc			5.8	7.2			
	4500 cyc			6.2	7.7			
	5000 cyc			7.8	8.0		.018	.0285
	LIVE FIRE after 2500 rds. HL.	Min. +.004"	.023"	5.8	4.5	4.7		
	DRY CYCLE							
	5500 cyc.			7.0	9.5	4.8		
	6000 cyc			6.7	8.7	4.5		
	6500 cyc.			6.7	7.8	4.5		
	7000 cyc			7.2	7.8	4.8		
	7500 cyc			6.6	8.5	4.5		

45-60S EYE-EASE 45-70S 2C/20 BUFF

Report No. 812441

M-700 TRIGGER/SEAR BLOCK EVALUATION

No. 3

Aug 31, 1982

R. Williams

M-700 6MMcal. #A6744915 Sample No. 3	1 HEADSPACE	2 FIRING PIN INDENT	3 SAFE (in lbs) ON	3 SAFE (in lbs) OFF	4 TRIGGER PULL (lb)	5 SEAR LIFT	6 SEAR ENGAGEMENT
START OF TEST	Min. +.004"	.025"	9.1	6.4	4.7	.015"	.025"
LIVE FIRE after 1000 rds.	Min. +.004"	.026"	9.7	5.7	4.1		
DRY CYCLE 500 cyc.			8.2	6.9			
1000 cyc.			8.3	7.0			
1500 cyc.			8.8	6.3			
2000 cyc.			9.2	7.0			
2500 cyc.			9.9	6.0		.012"	.032"
LIVE FIRE after 2000 rds.	Min. +.005"	.026"	10.2	5.2		.013"	.033"
DRY CYCLE 3000 cyc.			8.5	8.5			
3500 cyc.			9.2	7.2			
4000 cyc.			9.2	9.0			
4500 cyc.			8.7	9.7			
5000 cyc.			9.5	12.2		.015"	.032"
LIVE FIRE after 2500 rds. HL	Min. +.005"	.026"	9.8	5.2			
DRY CYCLE 5500 cyc.			8.3	8.3			
6000 cyc.			9.2	8.8			
6500 cyc.			9.7	9.3			
7000 cyc			8.5	12.0			
7500 cyc.			9.5	12.0			

Report No. 81244

M-700 TRIGGER / SEAR BLOCK EVALUATION No. 4

Aug. 31, 1982 — R. Williams

M-700 6MM CAL. #6745544 Sample No. 4	1 Headspace	2 Firing Pin Indent	3 Safe (lbs) ON	3 Safe (lbs) OFF	4 Trigger Pull (lbs)	5 Sear Lift	6 Sear Engagement
START OF TEST	MIN +.002	.022	8.3	5.4	3.8	.018	.034
LIVE FIRE after 1,000 rds	MIN +.002	.022	6.8	5.2	4.0		
DRY CYCLE 500 cyc.			7.7	7.7			
1000 cyc.			7.8	7.5			
1500 cyc.			6.8	7.3			
2,000 cyc.			7.8	7.2			
2500 cyc.			7.2	7.7		.017	.035
LIVE FIRE after 2,000 rds.	MIN +.003	.022	7.3	4.5	3.8	.0155	.035
DRY CYCLE 3000 cyc.			6.7	8.7			
3500 cyc.			7.5	7.7			
4000 cyc.			7.7	6.7			
4500 cyc.			7.5	7.7			
5000 cyc.			7.7	6.8		.017	.036
LIVE FIRE after 2,500 rds. HH.	MIN +.003	.022	8.8	4.3	4.3		
DRY CYCLE 5500 cyc.			8.2	9.0	4.5		
6000 cyc.			7.3	9.0	4.1		
6500 cyc.			7.5	9.3	4.2		
7000 cyc.			8.3	9.2	4.3		
7500 cyc.			8.7	8.3	4.3		

45-506 EYE-EASE 45-706 30/20 BUFF

Report No. 81244

M-700 TRIGGER / SEAR BLOCK EVALUATION

No. 5

Aug. 31, 1982

R. Williams

M-700	6MM CAL. #6747525 Sample No. 5 Control Gun	1 HEADSPACE	2 FIRING PIN INDENT	3 SAFE (lbs) ON	3 SAFE (lbs) OFF	4 TRIGGER PULL (lbs)	5 SEAR LIFT	6 SEAR ENGAGEMENT
	START OF TEST	Min+.003	.025	5.2	5.2	4.2	.019	.020
	LIVE FIRE after 1,000 rds.	Min+.003	.025	5.5	5.2	4.0		
	DRY CYCLE							
	500 cyc.			6.3	7.6			
	1000 cyc.			5.6	8.3			
	1500 cyc.			5.8	7.8			
	2000 cyc.			6.1	8.5			
	2500 cyc.			5.1	8.3		.021	.0205
	LIVE FIRE after 2,000 rds.	Min+.003	.025	5.5	5.1	4.5	.020	.020
	DRY CYCLE							
	3,000 cyc.			6.6	8.1			
	3500 cyc.			6.8	8.1			
	4000 cyc.			6.1	7.6			
	4500 cyc.			6.1	7.3			
	5000 cyc.			6.0	6.5		.020	.020
	LIVE FIRE after 2,500 rds HL.	Min+.003	.025	5.1	4.8	5.1		
	DRY CYCLE							
	5500 cyc.			6.1	8.0	4.7		
	6000 cyc.			6.1	8.0	4.6		
	6500 cyc.			7.0	8.5	4.6		
	7000 cyc.			6.8	8.1	4.7		
	7500 cyc.			6.3	7.6	4.8		

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 700 ADL Trigger/Sear Block eval.

CALIBER OR GAUGE 6 MM

DATE	TEST	TESTER	PAGE NO.
4/27/82	Preliminary Measurement Trigger Pull, F.P. Indent Sear lift, Sear Engagement, Safe Off & ON Forces Head Space		
4-29-82	Fire 1,000 rounds per Rifle		
4-29-82	Clean & inspect.		
5-4-82	Fire another 1,000 rounds per Rifle check safety on-off after every 20 rounds Gun #1 A6752973 extractor failed 1,660 rounds		
	Operate and try Safety after every 20 Round.		
5-14-82	Fire another 500 Rounds and 2,500 dry cycle, take safe on and off and trigger pull Check safety on-off after 20 rounds Total rounds fired per gun 2,500 Total dry cycle 7,500 per gun.		

Trigger / Sear block eval.

Start of Test

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS) Gun - 1

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6752973

Headspace as Received: _____

* Safe - "ON" - I. 6.50 "OFF" - I. 6.0

(6.2) 2. 6.0 (6.0) 2. 6.0

3. 6.0 3. 6.0

Proof: OK

Headspace after Proof: M+.004

Firing Pin Indent(in.)

I. .024 (.0245)

2. .025

3. .025

Sear lift .0105

Sear engagement .035

Bolt Open Force(lbs.)

Cocked: I._____ Dry Fired: I._____

2._____ 2._____

3._____ 3._____

* Trigger Pull(lbs.)

I. 4.0 (3.0)

2. 3.75

3. 4.0

Bolt Release Force(lbs.)

I._____

2._____

3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

* Tester and Date:_____

JS
I-12-82

After 1,000 Rounds

Gun 1

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A 6752973

Headspace as Received: M +.004

Safe - "ON" - I. 6.0 "OFF" - I. 7.0

6.7 2. 6.0 6.9 2. 7.0

3. 6.50 3. 6.50

Proof: O/K

Headspace after Proof: —

Firing Pin Indent(in.)

I. .0245

.0253 2. .0255

3. .026

Bolt Open Force(lbs.)

Cocked: I.____ Dry Fired: I.____

2.____ 2.____

3.____ 3.____

Trigger Pull(lbs.)

I. 4.25

4.25 2. 4.00

3. 4.50

Bolt Release Force(lbs.)

I.____

2.____

3.____

Gun Length:____

Gun Weight:____

Center of Gravity:____

Bore:____

Choke:____

Orifice Size:____

Bolt Closing Velocity:____

Magazine Spring Force:____

Disconnector Check:____

Primer Marking:____

Safety Check: OK

Firing Pin Protrusion:____

Pattern Test (Avg. of 5)

Group Size:____

Horz.:____

Vert.:____

Accuracy (Avg. of 5)

Group Size:____

Horz.:____

Vert.:____ P.O.I.:____

CJS
I-12-82

• Tester and Date:____

After 2,000 Rounds

5-12-82

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS) Gun -1

TEST PROCEDURE SHEET

Model 700 ADL 6MM

Serial No. A6752973

Headspace as Received: M+.004

Safe - "ON" - I. 6.0 (5.6) 2. 5.5 3. 5.5

"OFF" - I. 9.0 (7.3) 2. 7.0 3. 7.0

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

I. .0255 (.0253)
2. .025
3. .0255

Sear lift .0165
Sear Engagement .027

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 4.0
2. 4.0 (4.0)
3. 4.0

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

JS
5-12-82

• Tester and Date:_____

After 2,500 Rounds

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

5-17-82

(1)

TEST PROCEDURE SHEET

Model 700 MDL

Serial No. 06752973

Headspace as Received: _____

Proof: _____

Headspace after Proof: MIN + .004

Safe - "ON" - I. 7.50 "OFF" - I. 8.00

2. 6.00 2. 7.50

3. 5.50 3. 7.00

Firing Pin Indent(in.)

I. .025

2. .025

3. .026

Bolt Open Force(lbs.)

Cocked: I._____ Dry Fired: I._____

2._____ 2._____

3._____ 3._____

Trigger Pull(lbs.)

I. 4.50

2. 4.50

3. 4.50

Bolt Release Force(lbs.)

I._____

2._____

3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primar Marking:_____

Safety Check: O K

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

Tester and Date:_____

S
1-12-82

REPORT NO. 812441 DRY CYCLE SUMMARY PAGE NO. 1

TESTER: R.W. TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: 0 Gun 1 RIFLE NO. A-675-2973

DRY CYCLE SIMULATOR NO. ____ BOLT NO. ____

CYCLE RATE: ____ FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9 WORK ORDER NO. ____

NO. OF CYCLES: ____ 5-3-82 TOTAL: 500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	9.0		
2.	5.5	9.0 (8.6)		
3.	5.5	8.0		

(5.5)

NO. OF CYCLES: 500 TOTAL: 1,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	9.0		
2.	6.0	10.0 (9.7)		
3.	6.0	10.0		

(5.8)

NO. OF CYCLES: 500 TOTAL: 1,500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	9.0		
2.	5.5	9.5 (9.5)		
3.	5.5	10.0		

(5.7)

NO. OF CYCLES: 500 TOTAL: 2,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	8.5		
2.	5.5	9.5		
3.	5.5	9.0		

(5.5)

REPORT NO. 812441

DRY CYCLE SUMMARY

PAGE NO. 2

TESTER: R.W.

TEST TITLE: Trigger / Sear block

VIOUS CYCLES: 2,000

Gun 1

RIFLE NO. A-6752973

DRY CYCLE SIMULATOR NO. ____

BOLT NO. ____

CYCLE RATE: ____

FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9

WORK ORDER NO. ____

NO. OF CYCLES: 500

5-3-82

TOTAL: 2,500

SEAR LIFT: .0105

SEAR ENGAGEMENT: .035

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
5.7 1.	6.0	10.0		
2.	5.5	9.0 9.3		
3.	5.5	9.0		

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

ERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

ERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 1 PAGE NO. 1

TESTER: R.W. 5-12-92 TEST TITLE: _____

PREVIOUS CYCLES: 2,500 RIFLE NO. A6752973

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 3,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	10.0		
2.	6.5	10.0		
3.	6.0	9.0		

(6.2) (9.3)

NO. OF CYCLES: 500 TOTAL: 3,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.0	10.5		
2.	6.0	10.5 / 10.3		
3.	5.5	10.0		

(6.5)

NO. OF CYCLES: 500 TOTAL: 4,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	9.5		
2.	6.0	9.0		
3.	5.5	9.0		

(5.7) (9.2)

NO. OF CYCLES: 500 TOTAL: 4,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	9.0		
2.	6.5	10.0		
3.	6.0	9.5		

(9.5)

REPORT NO. 812441 | DRY CYCLE SUMMARY | Gun 1 | PAGE NO. 2

TESTER: RW | 5-12-82 | TEST TITLE:

PREVIOUS CYCLES: | RIFLE NO. A6752973

DRY CYCLE SIMULATOR NO. | BOLT NO.

CYCLE RATE: | FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 | WORK ORDER NO.

NO. OF CYCLES: 500 | TOTAL: 5,000

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	9.0		
2.	6.5	10.0 (9.2)		
3.	6.0 (6.2)	8.5		

NO. OF CYCLES: | TOTAL: 5,000

SEAR LIFT: .0165 | SEAR ENGAGEMENT: .027

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: | TOTAL:

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: | TOTAL:

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 1 PAGE NO. 1

TESTER: K.W. Date 5-18-82 TEST TITLE:

PREVIOUS CYCLES: 5,000 RIFLE NO. A-6752973

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 5,500

SEAR LIFT: 4.8 SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 5.0 3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	10.5		
2.	7.0	10.5 (10.5)		
3.	5.5	10.5		

(6.2)

NO. OF CYCLES: 500 TOTAL: 6,000

SEAR LIFT: 4.6 SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 4.5 3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	10.5		
2.	6.5	10.0 (10.0)		
3.	6.0	9.5		

(6.2)

NO. OF CYCLES: 500 TOTAL: 6,500

SEAR LIFT: 4.6 SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 4.5 3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	8.0		
2.	6.5	9.0 (8.5)		
3.	6.0	9.5		

(6.2)

NO. OF CYCLES: 500 TOTAL: 7,000

SEAR LIFT: 4.8 SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 5.0 3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	8.0		
2.	5.5	8.0 (7.5)		
	6.5	7.5		

(6.2)

REPORT NO. 812441　　DRY CYCLE SUMMARY　　Gun 1　　PAGE NO. 2

TESTER: R.W.　　5-18-82　　TEST TITLE: ________

VIOUS CYCLES: 7,000　　RIFLE NO. A-6752973

DRY CYCLE SIMULATOR NO. ____　　BOLT NO. ________

CYCLE RATE: ________　　FIRE CONTROL NO. ________

LUBRICATION: Hoppe's #9　　WORK ORDER NO. ________

NO. OF CYCLES: 500　　TOTAL: 7,500

SEAR LIFT: ________　　4.6　　SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. 5.0　　2. 4.5　　3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	9.0		
2.	7.0	10.5 (9.8)		
3.	5.5	10.0		

NO. OF CYCLES: ________　　TOTAL: ________

SEAR LIFT: ________　　SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____　　2. ____　　3. ____

ERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ________　　TOTAL: ________

SEAR LIFT: ________　　SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____　　2. ____　　3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ________　　TOTAL: ________

SEAR LIFT: ________　　SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____　　2. ____　　3. ____

ERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

(1)

JACK ENDURANCE CENTERFIRE

REPRT NO.: 81-11

PREVIOUS ROUNDS: ____

DATE: 4-28-82 MODEL: 710 ADL GAUGE: 6MM SERIAL NO. A-6752973

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ____
TTL. MALFUNCTIONS: ____
MALFUNCTION RATE: ____

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED FEED SEAR	DON'T EJECT	DON'T RAM BACK	DON'T LOCK BACK	FEED FROM MAG. 1st	FEED FROM MAG. and LATCH	SEAR STAYS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SEAR JUMPS MAG.	FOLLOWER BINDS	LOADER	BOLT OVERRIDE	ACTION SLAM UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REFINISHING	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
P80 PSP	RW	20	ok																							
	RW	20	ok																							
	RW	20	ok																							
	RW	20	ok																							
	RW	20	ok																							
	RW	20	ok																							
	RW	20	ok																							
	JN	20	ok																							
	RN	20	ok																							
	TK	20	ok																							
TOTAL (PER MAL.)																										

JACK ENDURANCE CENTERFIRE

REPROT NO.: 862441 NO. 2

(1)

PREVIOUS ROUNDS ______

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6752973

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ______
TTL. MALFUNCTIONS: ______
MALFUNCTION RATE: ______

"MALFUNCTIONS"

Ammunition Load Size	Shooter	No. of Rounds Fired	Firing	Trapped Shell	Don't Extract	Don't Blow Back	Don't Lock Open	Feed From Mag. 1st	Feed From Mag. 2nd Latch	Shell Stems Mag.	Power Override	Don't Lock Up	Stem Chamber Right	Stem Chamber Left	Stem Chamber Center	Stem Chamber [illegible]	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	Action Hang Up	Don't Extract	Breakages	Adjustments	Replacements	Bolt Velocities	Remarks (On Back) Yes	Remarks (On Back) No
R80PSP	JN	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	JD	20	ok																									
	RW	20	OK																									
	JN	20	ok																									
	TF	20	ok																									
	JD	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
TOTAL (PER MAL.)																												

(1)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 NO. 5

PREVIOUS ROUNDS

DATE: 4-28-92 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6752973

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRIGGER SEARED	DON'T EJECT	DON'T ELEV BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STAYS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL STAYS MAG.	FOLLOWER BINDS	FAILURE	BOLT OVERRIDE	ACTION JAMS UP	DON'T FUNCTION	RELEASES	ADJUSTMENTS	REPLACEMENTS	SCHEDULED TIME	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	TF	20	OK																									
	JN	20	OK																									
	RH	20	OK																									
	JN	20	OK																									
	TF	20	OK																									
	RH	20	OK																									
	RH	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
TOTAL (PER MAG.)																												

(1)

JACK ENDURANCE CENTERFIRE

PREVIOUS ROUNDS: _____

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6[illegible]

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Size	SECTION	NO. OF ROUNDS FIRED	FIRING	MISFEED SHELL	DON'T EJECT	DON'T SET BACK	DON'T LOCK UP	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CINDER RIGHT	STEM CINDER LEFT	STEM CINDER RIGHT	STEM CINDER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION SAFE UP	DON'T EXTRACT	SEPARATES	ADJUSTMENTS	REPLACEMENTS	BOLT VARIATIONS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	JN	20	OK																									
	RW	20	OK																									
	JN	20	OK																									
	TF	20	OK																									
	JN	20	OK																									
700 4-29-82X	JN	20	OK																									
TOTAL (PER MFG.)																												

(1)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 NO. 5

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A-6752973

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: 4,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRIGGER SPRING	DON'T EXTRACT	DON'T EJECT	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEPS MAG.	POWER OVERRIDE	DON'T LOCK UP	BTEN CHAMBER RIGHT	BTEN CHAMBER LEFT	BTEN CHAMBER RIGHT	BTEN CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HARD UP	DON'T EXTRACT	REPLACES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	TF	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
TOTAL (PER MAL.)																												

(1)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 Rounds REPORT NO.: 812441 PAGE: 1

PREVIOUS ROUNDS 4,000

DATE: 5-4-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-675[illegible]

TEST TITLE: Trigger / Sear Block eval.

"MALFUNCTIONS"

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T [illegible]	DON'T [illegible] BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st	2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	OPEN CHAMBER [illegible]	[illegible]	[illegible]	[illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T [illegible]	[illegible]	ADJUSTMENTS	[illegible]	[illegible]	REMARKS (ON BACK) YES	NO
R80 PSP	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
X	TF	20	ok																									
TOTAL (PER MAL.)																												

①

PREVIOUS ROUNDS 4200

JACK ENDURANCE CENTERFIRE Operat[illegible]nd try Safety after every 20 Rounds REPORT NO.: 812441 PA[illegible]. 2

DATE: 4-5-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A-6752773

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	[illegible] SHELL	DON'T [illegible]	DON'T [illegible] BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T EXTRACT	REPAIRS	ADJUSTMENTS	[illegible]	[illegible]	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	TF	20	ok																									
5/4/82	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	JM	20	ok																									
	JW	20	ok																									
	[illegible]	20	ok																									
X	[illegible]	20	ok																									
TOTAL (PER MAL.)																												

(1) [redacted]

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 Rounds REPROT NO.: 8124H PA[redacted] 3

DATE: 4-5-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6752775

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTION"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	WEAKED SEAR	SEAR ENGAGEMENT	DISC. SEAR FACE	DISC. HOOK FACE	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STOPS MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM UNDER: RIDE	ITEM UNDER: LIFT	ITEM UNDER: PRESS	ITEM UNDER: HOLD	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION SLOW UP	EXTRACTION	EJECTION	ACCELERATION	TRIGGER PULL	SAFETY MALFUNCTION	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
P80PSP	TF	20	ok																									
5/4/82	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
	JM	20	ok																									
	JM	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
X	JM	20	ok																									
TOTAL (PER MAL.)																												

(1)

JACK ENDURANCE **CENTERFIRE** Operate and try Safety after every 20 Rounds REPORT NO.: 8124411 PAGE NO. 4

PREVIOUS ROUNDS 1600

DATE: 5-4-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A-6752773

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	[illegible]	NO. OF ROUNDS FIRED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	FEED FROM MAG. 1st	FEED FROM MAG. 2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	[illegible]	BOLT OVERRIDE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS (ON BACK) YES	NO
	JM	20	ok																									
1,660 Rounds	JF	20	ok																									
Extractor quit	JD	20																				X						
5-5-82	RW	20	ok																									
	JN	20	ok																									
	JD	20	OK																									
	JD	20	OK																									
	JN	20	ok																									
	JN	20	ok																									
X	JD	20	OK																									
TOTAL (PER MAL.)																												

(1)

JACK ENDURANCE CENTERFIRE Operator said try Safety after every 20 Rounds REPROT NO.: 812441 NO. 5

DATE: 5-5-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A-6752973

PREVIOUS ROUNDS 4,800

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED: 2,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Dize	SERIES	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED SHELL	SHELL WON'T EJECT	BOLT WON'T LOCK BACK	BOLT WON'T LOCK CLOSED	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STUCK MAG.	POWER OVERRIDE	BOLT WON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION BIND UP	BOLT WON'T EXTRACT	BREECHES	ADJUSTMENTS	EJECTIONS	ECM MALFUNCTIONS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	JD	20	OK																									
	JF	20	OK																									
	JD	20	OK																									
	RW	20	ok																									
	JM	20	ok																									
	JD	20	ok																									
	JM	20	ok																									
	JM	20	ok																									
	JD	20	OK																									
X	JM	20	ok																									
TOTAL (PER MAL.)																												

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Gun [redacted]

JACK ENDURANCE CENTERFIRE Operat[redacted]-Try Safety every 20 Rounds REPORT NO.: 812441 [redacted] NO. 1

PREVIOUS ROUNDS 2,000

DATE: 5-14-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A6752973

TEST TITLE: Trigger / Sear Block eval.

TTL. RND. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EXTRACT	DON'T [illegible] BACK	DON'T LOCK OPEN	FEED FROM MAG.		SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION [illegible] UP	DON'T [illegible]	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK)	
								1st LATCH	2nd LATCH				[illegible]	LFT	[illegible]	[illegible]											YES	NO
K80PSP	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
2200	AL	20																										
	AL	20																										
2240	AL	20																										
TOTAL (PER MAL.)																												

Gun

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 RUN NO. 2

DATE: 5-14-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6752973

PREVIOUS ROUNDS 2240

TEST TITLE: Trigger / Sear Block eval

TTL. RDS. FIRED: 2,500
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	FEED FROM MAG. 1st LAUNCH	FEED FROM MAG. 2nd LAUNCH	DON'T EJECT	DON'T BLOW BACK	DON'T LOCK OPEN	SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER HIGH	STEM CHAMBER LOW	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION ENG UP	DON'T EXTRACT	REPLACES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 RSP	DL	20																									
	DC	20																									
2300	DL	20																									
	DC	20																									
	DL	20																									
	DC	20																									
	DL	20																									
2400	DC	20																									
	DC	20																									
	DC	20																									
	DL	20																									
	DC	20																									
TOTAL (PER MAL.)	DL	DC																									

2500

start of test

Gun 2

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6744869

Headspace as Received: M+.003

Safe - "ON" - I. 6.75 (6.5) 2. 6.50 3. 6.25

"OFF" - I. 5.50 (5.3) 2. 5.25 3. 5.25

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

I. .0235 (.023) 2. .023 3. .023

Sear lift .0135

Sear Engagement .026

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 4.75 (4.3) 2. 4.25 3. 4.00

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

• Tester and Date:_____

I-12-82

After 1,000 Rounds

1

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A 6744896

Headspace as Received: M+.004

Safe - "ON" - I. 6.25 (6.4) 2. 6.50 3. 6.50

"OFF" - I. 5.25 (5.2) 2. 5.25 3. 5.10

Proof: _____

Headspace after Proof: _____

Firing Pin Indent(in.)

(.037) I. .0235

2. .0235

3. .024

Bolt Open Force(lbs.)

Cocked: I. _____ 2. _____ 3. _____

Dry Fired: I. _____ 2. _____ 3. _____

Trigger Pull(lbs.)

I. 4.50

(4.4) 2. 4.50

3. 4.25

Bolt Release Force(lbs.)

I. _____

2. _____

3. _____

Gun Length: _____

Gun Weight: _____

Center of Gravity: _____

Bore: _____

Choke: _____

Orifice Size: _____

Bolt Closing Velocity: _____

Magazine Spring Force: _____

Disconnector Check: _____

Primer Marking: _____

Safety Check: OK

Firing Pin Protrusion: _____

Pattern Test (Avg. of 5)

Group Size: _____

Horz.: _____

Vert.: _____

Accuracy (Avg. of 5)

Group Size: _____

Horz.: _____

Vert.: _____ P.O.I.: ____

Tester and Date: _____

CJS
I-12-82

After 2,000 Rounds 5-12-82 Gun-2

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A 6744869

Headspace as Received: Mt.004

Proof: OK

Headspace after Proof: _____

Safe - "ON" - I. 5.5 2. 6.0 (5.7) 3. 5.5

"OFF" - I. 5.0 (4.5) 2. 5.0 3. 4.5

Firing Pin Indent(in.)

I. .023 (.023)
2. .023
3. .023

Sear lift .014
Sear Engagement .029

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 4.5 (4.2)
2. 4.0
3. 4.0

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

CJS
I-12-82

• Tester and Date:_____

After 2,500 Rounds

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

(2)

Model 700

Serial No. A6744869

Headstace as Received: _____

Proof: _____

Headspace after Proof: MIN + .004

Safe - "ON" - I. 5.50 "OFF" - I. 4.50
2. 5.50 2. 4.50
3. 6.50 3. 4.50

Firing Pin Indent(in.)

I. .023
2. .023
3. .023

Bolt Open Force(lbs.)

Cocked: I._____ Dry Fired: I._____
2._____ 2._____
3._____ 3._____

Trigger Pull(lbs.)

I. 4.50
2. 4.50
3. 5.00

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:___

Tester and Date:_____

JS
I-12-82

REPORT NO. R12441 DRY CYCLE SUMMARY PAGE NO. 1

TESTER: R.W. Gun 2 TEST TITLE: Trigger / Sear Hook

PREVIOUS CYCLES: 0 RIFLE NO. A-6744869

DRY CYCLE SIMULATOR NO. ____ BOLT NO. ____

CYCLE RATE: ____ FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9 WORK ORDER NO. ____

NO. OF CYCLES: ____ 4-30-82 TOTAL: 500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	7.5		
2.	6.0	8.0 (7.8)		
3.	5.75	9.0		

(5.9)

NO. OF CYCLES: 500 TOTAL: 1000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	7.0		
2.	6.0	7.0 (6.7)		
3.	6.0	6.0		

(6.0)

NO. OF CYCLES: 500 TOTAL: 1,500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	7.0		
2.	6.0	7.0 (7.0)		
3.	6.0	7.0		

(6.0)

NO. OF CYCLES: 500 TOTAL: 2,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	6.5		
2.	5.5	6.5 (6.7)		
3.	5.5	7.0		

(5.5)

REPORT NO. 812441 DRY CYCLE SUMMARY PAGE NO. 2

TESTER: R.W. Gun ②

TEST TITLE: Trigger / Sear block

[illegible]EVIOUS CYCLES: 2,000

RIFLE NO. A6744869

DRY CYCLE SIMULATOR NO. ____

BOLT NO. ____

CYCLE RATE: ____

FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9

WORK ORDER NO. ____

NO. OF CYCLES: 500 4-30-82 TOTAL: 2,500

SEAR LIFT: .015 SEAR ENGAGEMENT: .025

TRIGGER PULL: 1.____ 2.____ 3.____

OBSERVATIONS:

	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.0	8.0		
5.3 2.	5.5	7.5	7.7	
3.	5.5	7.5		

NO. OF CYCLES: ____ TOTAL: ____

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1.____ 2.____ 3.____

[illegible]SERVATIONS:

	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____ TOTAL: ____

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1.____ 2.____ 3.____

OBSERVATIONS:

	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____ TOTAL: ____

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1.____ 2.____ 3.____

[illegible]SERVATIONS:

	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 2 PAGE NO. 1

TESTER: S.W. 5-12-82 TEST TITLE: _____

PREVIOUS CYCLES: 2,500 RIFLE NO. A6744869

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 3,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.5	8.5		
2.	6.0	8.5 (8.0)		
3.	7.0	7.0		

(6.1)

NO. OF CYCLES: 500 TOTAL: 3,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	8.0		
2.	5.5	7.0 (7.3)		
3.	5.5	7.0		

(5.5)

NO. OF CYCLES: 500 TOTAL: 4,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.5	7.0		
2.	5.5	8.0 (7.2)		
3.	5.5	6.5		

(5.8)

NO. OF CYCLES: 500 TOTAL: 4,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	8.0		
2.	6.5	8.0 (7.7)		
3.	6.0	7.0		

(6.7)

REPORT NO. 812441 **DRY CYCLE SUMMARY** Gun 2 PAGE NO. 2

TESTER: R.W. 5-12-92 TEST TITLE:

REVIOUS CYCLES: RIFLE NO. A6744869

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 5,000

SEAR LIFT: .018 SEAR ENGAGEMENT: .0295

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	8.0		
7.8 2.	6.0	8.0	8.0	
3.	5.5	8.0		

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

BSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

BSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 2 PAGE NO. 1

TESTER: RW 5-18-82 TEST TITLE: _____

PREVIOUS CYCLES: 5,000 RIFLE NO. A6744869

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 5,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.5 2. 4.5 3. 4.5 4.8

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(7.0)	1. 7.5	9.5		
	2. 7.0	9.5 (9.5)		
	3. 6.5	9.5		

NO. OF CYCLES: 500 TOTAL: 6,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.0 2. 4.5 3. 4.0 (4.5)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(6.7)	1. 6.5	8.5		
	2. 6.5	9.0 (8.7)		
	3. 7.0	8.5		

NO. OF CYCLES: 500 TOTAL: 6,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.0 2. 4.0 3. 4.5

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(6.7)	1. 7.0	8.0		
	2. 6.5	7.0 (7.4)		
	3. 6.5	8.5		

NO. OF CYCLES: 500 TOTAL: 7,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.0 2. 4.75 3. 4.75

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(7.2)	1. 6.5	8.0		
	2. 8.0	7.5	(7.9)	
	3. 7.0	8.0		

REPORT NO. 812 441

DRY CYCLE SUMMARY Gun 2

PAGE NO. 2

TESTER: R.W.

5-18-82

TEST TITLE:

[illegible]VIOUS CYCLES: 7,000

RIFLE NO. A6744869

DRY CYCLE SIMULATOR NO.

BOLT NO.

CYCLE RATE:

FIRE CONTROL NO.

LUBRICATION: Hoppes #9

WORK ORDER NO.

NO. OF CYCLES: 500

TOTAL: 7,500

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 4.75 2. 4.5 3. 4.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
6.6 1.	6.0	7.5		
2.	7.0	9.0 9.5		
3.	7.0	9.0		

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

[illegible]SERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

[illegible]IGGER PULL: 1. 2. 3.

[illegible]SERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

(2)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 NO. 1

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744869

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	CASE/SHELL STUCK	DON'T EJECT	DON'T FEED BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STUCK MAG.	BOLT OVERRIDE	DON'T LOCK UP	BIEM CHAMBER RIGHT	BIEM CHAMBER LOW	BIEM CHAMBER RIGHT	BIEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BIND	LOADING	BOLT OVERRIDE	ACTION NOT UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	RP	20	OK																									
	SW	20	OK																									
	TF	20	OK																									
	RW	20	OK																									
	RP	20	OK																									
	RN	20	OK																									
	RP	20	OK																									
	RW	20	OK																									
	TF	20	OK																									
	RP	20	OK																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 PAGE NO. 2

PREVIOUS ROUNDS

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744869

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	SHOOTER	CUM. ROUNDS NO.	FIRING	FAILED TO FEED SEAR	DON'T EJECT	DON'T EXTRACT	DON'T FIRE LOCK UP	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	ITEM UNDER: BOLT	ITEM UNDER: STOCK	ITEM UNDER: TRIGGER	ITEM UNDER: MAG.	SHELL JUMPS MAG.	FOLLOWER BITES	LOADING	BOLT OVERRIDE	BOLT HITS RECEIVER	DON'T CYCLE	SAFETY	ACTUATORS	BOLT VELOCITY	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	RW	20	OK																								
	JN	20	ok																								
	TF	20	OK																								
	RW	20	OK																								
	RW	20	OK																								
	JN	20	ok																								
	TF	20	OK																								
	RW	20	OK																								
	RW	20	OK																								
"	JN	20	ok																								
TOTAL (PER BBL.)																											

(2)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 [illegible] NO.: 3

PREVIOUS ROUNDS: ______

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744869

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ______
TTL. MALFUNCTIONS: ______
MALFUNCTION RATE: ______

"MALFUNCTIONS"

Ammunition Load Size	Shooter	No. of Rounds Fired	Firing	Trapped Shell	Don't Eject	Don't Hold Back	Don't Lock Open	Feed from Mag. 1st Latch	Feed from Mag. 2nd Latch	Shell Stems Mag.	Power Override	Don't Lock Up	Stem Chamber Base	Stem Chamber Lft	Stem Chamber Center	Stem Chamber Rt	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	Action Bind Up	Don't Extract	Breakages	Adjustments	Replacements	Bolt Velocities	Remarks (On Back) Yes	Remarks (On Back) No
R80 PSP	TF	20	ok																									
	AD	20	ok																									
	RD	20	ok																									
	JW	20	ok																									
	TF	20	ok																									
	AD	20	ok																									
	JW	20	ok																									
	AL	20	o.c																									
	TF	20	ok																									
	RD	20	ok																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 PAGE NO. 4

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744869

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED	FAILED TO EJECT	FAILED TO FIRE	FAILED TO LOCK	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	FAILED TO STRIP FROM MAG.	FAILED TO LOCK UP	FAILED TO EXTRACT FROM CHAMBER	FAILED TO EJECT FROM CHAMBER	FAILED TO FIRE IN CHAMBER	FAILED TO LOCK IN CHAMBER	FAILED TO STRIP FROM MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDES	ACTION SAFE UP	BOLT STICKS	SEPARATES	ADJUSTMENTS	SEPARATIONS	BOLT VARIATIONS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
180 PSP	AB	20	OK																								
	AV	20	OK																								
	AW	20	OK																								
	JN	20	OK																								
	TE	20	OK																								
	AB	20	OK																								
(140)	AV	20	OK																								
4-29-82	AW	20	OK																								
	JN	20	OK																								
	TF	20	OK																								
TOTAL (PER MAL.)																											

(2)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 PAGE NO. 5

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744869

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: 1000
TTL. MALFUNCTIONS:
MALFUNCTION DATE:

"MALFUNCTIONS"

Ammunition Load Size	Shooter	No. of Rounds Fired	Firing	[illegible] Shell	Don't Eject	Don't Blow Back	Don't Lock Open	Feed from Mag. 1st Latch	Feed from Mag. 2nd Latch	Shell Stems Mag.	Power Override	Don't Lock Up	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	Action Hang Up	Don't Extract	Breakages	Adjustments	Replacements	Bolt Velocities	Remarks (on back) Yes	Remarks (on back) No
R80PSP	JD	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	JIB	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	RW	20	ok																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

REPROT NO.: 812441 PAGE NO. 1

PREVIOUS ROUNDS 4000

DATE: 5-4-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744819

TEST TITLE: Trigger / Sear Block eval.

TTL. RND. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED SEAR	BOLT HEAD	BOLT BODY BACK	BOLT LOCK DOWN	FEED FROM MAG. 1st and LATCH	SEAR STAYS MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER CASE	ITEM CHAMBER LOT	ITEM CHAMBER PRIMER	ITEM CHAMBER TEST	SEAR TIMES MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION TAKE UP	BOLT RETRACT	FEEDING	EXTRACTION	EJECTION	SAFE TRANSITION	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	TF	20	ok																								
	TF	20	ok																								
	TF	20	ok																								
	TF	20	ok																								
	RW	20	ok																								
	RW	20	ok																								
	RW	20	ok																								
	RW	20	ok																								
	RW	20	ok																								
X	RW	20	ok																								
TOTAL (PER BBL.)																											

(2)

JACK ENDURANCE **CENTERFIRE** Operate and try safety after every 20 rounds

REPORT NO.: 812441 PAGE NO. 2

PREVIOUS ROUNDS 4,200

DATE: 5-4-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744869

TEST TITLE: Trigger / Sear Block eval.

TTL. NO. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. ROUNDS FIRED	[illegible]	[illegible]	DON'T [illegible]	DON'T [illegible]	DON'T LOCK [illegible]	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	[illegible] UP	DON'T [illegible]	REPAIRS	ADJUSTMENTS	[illegible]	[illegible]	REMARKS (ON BACK) YES	NO
R80 PSP	RW	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	[illegible]	20	ok																									
X	[illegible]	20	ok																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE CENTERFIRE Operate trg safety after every 20 rounds

REPROT NO.: 812441 PAGE 3

DATE: 5-4-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744869

PREVIOUS ROUNDS 1400

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEARS	NO. OF ROUNDS FIRED	FIRED	TRIGGER SEAR	BOLT LOCK	BOLT BLOCK JACK	BOLT LOCK DOWN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STUCK MAG.	POWER OVERRIDE	BOLT LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL STUCK MAG.	FOLLOWER BIND	LOADING	BOLT OVERRIDE	ACTION JAMS UP	BOLT IMPACT	REMARKS	ADJUSTMENTS	REPLACEMENTS	NEW VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	RW	20	ok																									
	RW	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
X	JN	20	ok																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE. CENTERFIRE Operate bolt try Safety after every 20 rounds

REPROT NO.: 8124411 PAGE NO. 4

PREVIOUS ROUNDS 1600

DATE: _____ MODEL: 700 ADL CALIBER: 6MM SERIAL NO. A6744869

TEST TITLE: Trigger / Sear Block eval.

TTL. RND. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRIGGER SEAR	BOLT LOCK	BOLT UNLOCK	BOLT LOCK BACK	FEED FROM MAG. 1st round	FEED FROM MAG. EACH	SEAR STEPS MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER CASE	ITEM CHAMBER LUG	ITEM CHAMBER EXTRACT	ITEM CHAMBER EJECT	SEARS JUMPS MAG.	EJECTOR SPRING	LOADING	BOLT OVERRIDE	ACTION SLAM UP	BOLT ENTRANCE	BREECHES	ADJUSTMENTS	ATTACHMENTS	BOLT VIBRATIONS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	JH	20	OK																									
	TF	20	OK																									
	JH	20	OK																									
	JH	20	OK																									
	JH	20	OK																									
	JH	20	OK																									
	TF	20	OK																									
	JH	20	OK																									
	JH	20	OK																									
X	JH	20	OK																									
TOTAL (PER MAL.)																												

(2)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds REPROT NO.: 812441 NO. 5

PREVIOUS ROUNDS 1800

DATE: 5-5-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744869

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED SHELL	DON'T EJECT	DON'T KICK BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STAYS MAG.	POWER OVERRIDE	DON'T LOCK UP	BIEM CHAMBER RIGHT	BIEM CHAMBER LEFT	BIEM CHAMBER RIGHT	BIEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BIENS	LOADING	BOLT OVERRIDE	ACTION ENG UP	DON'T EXTRACT	REMARKS	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	JM	20	ok																									
	JM	20	ok																									
	JD	20	OK																									
	JM	20	ok																									
	TF	20	OK																									
	TF	20	ok																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
^	TF	20	OK																									
TOTAL (PER MAL.)																												

Qu/r 2

JACK ENDURANCE CENTERFIRE

REPORT NO.: 81244 NO. 1

PREVIOUS ROUNDS 2,000

DATE: 5-14-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A6744869

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EJECT	DON'T BLOW BACK	DON'T LOCK OPEN	FEED FROM MAG.		SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK)	
								1st	2nd LATCH				HIGH	LOW	RIGHT	LEFT											YES	NO
R80PSP	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20.																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
2200	AL	20																										
	AL	20																										
2240	AL	20																										
TOTAL (PER MAL.)																												

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

Gun

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 [illegible] NO. _____

DATE: 5-14-82 MODEL: 700ADL GAUGE: 6MM SERIAL NO. A6744869

PREVIOUS ROUNDS 2240

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,500
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EJECT	DON'T BLOW BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEPS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LOW	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION FAILS UP	DON'T EXTRACT	REPAIRS	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	[illegible]	20																										
	[illegible]	20																										
230	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
2400	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
	[illegible]	20																										
TOTAL (PER MIL.)	[illegible]	20																										

Start of test

3

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6744915

Headspace as Received: M +.004

Safe - "ON" - I. 9.0 (9.1) 2. 9.0 3. 9.25

"OFF" - I. 6.50 (6.4) 2. 6.50 3. 6.25

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

(.025) I. .025 2. .026 3. .025

Sear lift .015

Sear Engagement .025

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

(4.7) I. 5.0 2. 4.50 3. 4.25

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

Tester and Date:_____

I-12-82

after 1,000 rounds

3

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6744915

Headspace as Received: M +.004

Safe - "ON" - I. 10.0 (9.7) 2. 9.5 3. 9.5

"OFF" - I. 5.25 (5.?) 2. 5.50 3. 6.0

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

I. .0255

.026 2. .0265

3. .026

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

(4.1) I. 4.0 2. 4.0 3. 4.25

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:_____

Tester and Date:_____

CJS
1-12-82

After 2,500 Rounds

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

5-17-82

TEST PROCEDURE SHEET

(3)

Model 700

Serial No. A6744915

Headspace as Received: _____

Proof: _____

Headspace after Proof: .141 + .005

Safe - "ON" - I. 10.00 (9.8) 2. 10.00 3. 9.50

"OFF" - I. 5.50 (5.2) 2. 5.00 3. 5.00

Firing Pin Indent(in.)

(.025) I. .025 2. .025 3. .025

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

(4.0) I. 4.00 2. 4.00 3. 4.00

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: O.K.

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

Tester and Date:_____

JS
I-12-82

REPORT NO. 812441 DRY CYCLE SUMMARY PAGE NO. 1

TESTER: R.W. Cell 3 TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: 0 RIFLE NO. A-6744915

DRY CYCLE SIMULATOR NO. ____ BOLT NO. ____

CYCLE RATE: ____ FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9 WORK ORDER NO. ____

NO. OF CYCLES: 500 4-30-82 TOTAL: 500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.00	7.0		
2.	9.00	7.0		
3.	8.50	6.75		

(8.2) (6.9)

NO. OF CYCLES: 500 TOTAL: 1000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.00	7.0		
2.	8.00	7.0		
3.	8.00	7.0		

(8.3) (7.0)

NO. OF CYCLES: 500 TOTAL: 1500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.25	6.25		
2.	9.00	6.50		
3.	9.00	6.00		

(8.75) (6.25)

NO. OF CYCLES: 500 TOTAL: 2,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.50	6.50		
2.	9.00	6.50		
3.	9.00	7.00		

(9.3) (6.7)

REPORT NO. 812441

DRY CYCLE SUMMARY

PAGE NO. 2

TESTER: R.W.

Gun 3

TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: 2,000

RIFLE NO. A-6744915

DRY CYCLE SIMULATOR NO. ____

BOLT NO. ____

CYCLE RATE: ____

FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9

WORK ORDER NO. ____

NO. OF CYCLES: 500

4-30-82

TOTAL: 2,500

SEAR LIFT: .012

SEAR ENGAGEMENT: .032

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.50	6.0		
9.8 2.	10.0	6.5	6.0	
3.	10.0	5.5		

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 — 5-11-82 DRY CYCLE SUMMARY — Gun 3 — PAGE NO. 1

TESTER: R.W — TEST TITLE: Trigger/Sear Block ev-1

PREVIOUS CYCLES: 2,500 — RIFLE NO. A6744915

DRY CYCLE SIMULATOR NO. ____ — BOLT NO. ____

CYCLE RATE: ____ — FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9 — WORK ORDER NO. ____

NO. OF CYCLES: 500 — TOTAL: 3,000

SEAR LIFT: ____ — SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.5	9.0		
2.	8.0	8.5	8.5	
3.	9.0	8.0		

(8.5)

NO. OF CYCLES: 500 — TOTAL: 3,500

SEAR LIFT: ____ — SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.0	7.5		
2.	9.0	7.0		
3.	9.5	7.0		

(9.2) (7.2)

NO. OF CYCLES: 500 — TOTAL: 4,000

SEAR LIFT: ____ — SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.0	9.5		
2.	9.5	9.0	9.0	
3.	9.0	8.5		

(9.2)

NO. OF CYCLES: 500 — TOTAL: 4,500

SEAR LIFT: ____ — SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.5	9.0		
2.	9.5	10.0 9.7		
3.	9.0	10.0		

(9.7)

REPORT NO. 812441 5-11-92 DRY CYCLE SUMMARY Gun 3 PAGE NO. 2

TESTER: K.W TEST TITLE: _____

PREVIOUS CYCLES: _____ RIFLE NO. A6744915

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 5,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	10.0	12.0		
2.	9.5	12.0 (12.2)		
3.	9.0	12.5		

(9.5)

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: .015 SEAR ENGAGEMENT: .032

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 3 PAGE NO. 1

TESTER: KW 5-18-82 TEST TITLE: _____

PREVIOUS CYCLES: 5,000 RIFLE NO. A6744915

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 5,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 4.5 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.0	7.0		
2.	8.0	9.0	8.3	
3.	8.0	9.0		

(8.3)

NO. OF CYCLES: 500 TOTAL: 6,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 4.5 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.5	8.5		
2.	9.5	9.0	8.8	
3.	8.5	9.0		

(9.2) (8.8)

NO. OF CYCLES: 500 TOTAL: 6,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 4.5 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.5	9.0		
2.	10.5	9.0		
3.	10.0	10.0		

(9.7) (9.3)

NO. OF CYCLES: 500 TOTAL: 7,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 4.25 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	9.0	12.0		
2.	8.0	12.0	12.0	
3.	8.5	12.0		

(8.5) (12.0)

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 3 PAGE NO. 2

TESTER: R.W. 5-18-92 TEST TITLE:

PREVIOUS CYCLES: RIFLE NO. A6744915

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 7,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 4.0 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	10.0 (9.5)	12.0		
2.	9.5	12.0	12.0	
3.	9.0	12.0		

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

(3)

JACK ENDURANCE **CENTERFIRE**

REPORT NO.: 812441 NO. 1

PREVIOUS ROUNDS ______

DATE: 4-28-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6744115

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ______
TTL. MALFUNCTIONS: ______
MALFUNCTION RATE: ______

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EJECT	DON'T BLOW BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION BANG UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT [illegible]	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	TF	20	ok																									
	GD	20	ok																									
	GD	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
	RW	20	ok																									
	GD	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
TOTAL (PER MAL.)																												

(3)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 8124141 PAGE NO. 2

PREVIOUS ROUNDS: ____

DATE: 4-28-82 MODEL: 700 ADL ; GAUGE: 6MM SERIAL NO. A-6744715

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ____
TTL. MALFUNCTIONS: ____
MALFUNCTION RATE: ____

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	SLIDE SLAMS	BOLT BINDS	BOLT SLOW BACK	BOLT LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STICKS MAG.	POWER OVERRIDE	BOLT LOCS UP	OPEN CHAMBER: SLIDE	OPEN CHAMBER: LEFT	OPEN CHAMBER: RIGHT	OPEN CHAMBER: REAR	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION NOT UP	BOLT LOCKS	SEPARATES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	RP	20	OK																									
	RP	20	OK																									
	JN	20	OK																									
	TF	20	OK																									
	RP	20	OK																									
	RP	20	OK																									
	JN	20	OK																									
X	TF	20	OK																									
	RP	20	OK																									
	RP	20	OK																									
TOTAL (PER MAL.)																												

(9)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 PA[illegible]O. 3

PREVIOUS ROUNDS

DATE: 4-28-82 MODEL: 700ADL CALIBER: 6MM SERIAL NO. A-6744915

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	[illegible]	DIDN'T [illegible]	DIDN'T [illegible] BACK	DIDN'T LOCK [illegible]	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	DIDN'T LOCK UP	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	OPEN CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DIDN'T EXTRACT	REPAIRS	ADJUSTMENTS	REPLACEMENTS	BOLT [illegible]	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	JN	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
	RW	20	ok																									
	RW	20	ok																									
	RW	20	ok																									
	JB	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
TOTAL (PER MAL.)																												

R2511882

(8)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 8124141 PAGE NO. 4

PREVIOUS ROUNDS: _____

DATE: _____ MODEL: 700ADL ; GAUGE: 6MM SERIAL NO. A-6744915

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	WON'T FEED SEMI	WON'T FIRE	WON'T BOLT BACK	WON'T BOLT CLOSE	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SEMI STEPS MAG.	POWER OVERRIDE	WON'T LOCK UP	STEM CHAMBER RIME	STEM CHAMBER LEAD	STEM CHAMBER SHELL	STEM CHAMBER BASE	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION SLAM UP	WON'T EXTRACT	PRIMERS	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	RD	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
680 4-29-82	TF	20	ok																									
4-29-82	RD	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	RD	20	ok																									
	RW	20	ok																									
TOTAL (PER MAL.)																												

(B)

JACK ENDURANCE CENTERFIRE

RETROT NO.: 8124441 PAGE NO. 5

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A-6744915

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: 1,000

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Dize	SECTION	NO. OF RDS.	FIRING	FAILED TO EXTRACT	FAILED TO EJECT	DOUBLE FEED	FAILED TO FEED	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STUCK MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER RIM	ITEM CHAMBER CASE	ITEM CHAMBER SHOULDER	ITEM CHAMBER NECK	SHELL JUMPS MAG.	FOLLOWER BENDS	LOADING	BOLT OVERRIDE	ACTION SLOW UP	DOUBLE FEEDING	BREECHING	ADJUSTMENTS	REFLECTIONS	SAFETY MECHANISM	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	SN	20	ok																									
	TF	20	ok																									
	QD	20	ok																									
	SN	20	ok																									
	SN	20	ok																									
	TF	20	ok																									
	QD	20	ok																									
	TF	20	ok																									
	SN	20	ok																									
X	SN	20	ok																									
TOTAL (PER MAL.)																												

(3)

JACK ENDURANCE CENTERFIRE Operated and fired Safety after every 20 rounds REPORT NO.: 812441 PAGE: 1

PREVIOUS ROUNDS: 6000

DATE: 5-4-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744715

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED	DUD FIRED	DUD FAILED BACK	DUD FAILED FORWARD	FEED FROM MAG. 1st	FEED FROM MAG. and LATCH	SEAR STICKS MAG.	POWER OVERRIDE	BOLT LOCK UP	STEM CHAMBER: FIRE	STEM CHAMBER: LOT	STEM CHAMBER: FIRED	STEM CHAMBER: NOT	SEAR JUMPS MAG.	FOLLOWER BINDS	JAMMED	BOLT OVERRIDE	ACTION BAR UP	DUD IMPACT	BREECHES	ADJUSTMENTS	REPLACEMENTS	BOLT VIBRATIONS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
P80 PSP	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	PW	20	ok																									
	PW	20	ok																									
	PW	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
X	JN	20	ok																									
TOTAL (PER MAL.)																												

③

JACK ENDURANCE **CENTERFIRE** Operat[illegible]d try Safety after every 20 rounds

REPORT NO.: 812441

PA[illegible]. 2

PREVIOUS ROUNDS 1200

DATE: ____________

MODEL: 700 ADL

GAUGE: 6MM

SERIAL NO. A 6744915

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED: ____________

TTL. MALFUNCTIONS: ____________

MALFUNCTION RATE: ____________

"MALFUNCTIONS"

1260 Rounds Safety stiff AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	FEED FROM MAG. 1st	FEED FROM MAG. 2nd LATCH	SHELL STEMS MAG.	POWER OVERRIDE	[illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	STEM CHAMBER [illegible]	SHELL JUMPS MAG.	FOLLOWER BINDS	[illegible]	BOLT OVERRIDE	[illegible] UP	[illegible]	[illegible]	ADJUSTMENTS	[illegible]	[illegible]	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	AD	20	ok																									
	AD	20	ok																									
	AD	20	OK																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	AD	20	ok																									
X	AD	20	ok																									
TOTAL (PER MAL.)																												

(3)

JACK ENDURANCE CENTERFIRE Operate hand fly Safety after every 20 rounds REPORT NO.: 812441 PAGE: 3

DATE: _____ MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744715

PREVIOUS ROUNDS 1403

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Dize	SHOOTER	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED	DIDN'T FIRE	DIDN'T EJECT	DIDN'T LOCK UP	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SEAR SWAYS MAG.	POWER OVERRIDE	DIDN'T LOCK UP	STEM CHAMBER RISE	STEM CHAMBER LEV	STEM CHAMBER SCREW	STEM CHAMBER NUT	SEAR JUMPS MAG.	FOLLOWER BENDS	JAMMED	BOLT OVERRIDE	ACTION ENG UP	DIDN'T EXTRACT	BREAKS	AUTOMATIC	EXTRACTION	SAW MARKS	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	JH	20	ok																									
	HD	20	ok																									
	JM	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
	HD	20	ok																									
X	JM	20	ok																									
TOTAL (PER PAL.)																												

(3)

JACK ENDURANCE CENTERFIRE Operator load try Safety after every 20 rounds

REPORT NO.: 812441 PAGE NO. 4

DATE: 5-5-'82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744715

PREVIOUS ROUNDS 4600

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Dize	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	BOLT LOCK	BOLT NOT FULL BACK	BOLT NOT LOCK DOWN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STUCK MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BENDS	LOADER	BOLT OVERRIDE	ACTION SLOW UP	BOLT IMPACT	FEEDING	EJECTION	SHELL CASING	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
													CASE	LIP	RIM	EXT												
R80 PSP	JM	20	ok																									
	RM	20	OK																									
	RD	20	OK																									
	RD	20	OK																									
	JM	20	ok																									
	JM	20	ok																									
	RD	20	OK																									
	TF	20	OK																									
	JM	20	ok																									
X	RD	20	OK																									
TOTAL (PER MAL.)																												

(3)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

REPORT NO.: 812441 NO. 5

DATE: 5-5-82 MODEL: 700 ADL GAUGE: 6MM

SERIAL NO. A6744915

PREVIOUS ROUNDS 4,800

TEST TITLE: Trigger/Sear Block eval.

TTL. RDS. FIRED: 2,000

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRA FEED SHELL	DON'T EJECT	DON'T SLIDE BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STAYS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	JAMMED	ROUND OVERRIDE	ACTION HANG UP	DON'T EXTRACT	EJECTAGES	ADJUSTMENTS	EJECTMENTS	SIGHT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	GN	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	GN	20	OK																									
	GN	20	ok																									
	GN	20	OK																									
	GN	20	ok																									
	GN	20	ok																									
	GN	20	ok																									
	GN	20	OK																									
X	TF	20	ok																									
TOTAL (PER MAL.)																												

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

Gun

JACK ENDURANCE **CENTERFIRE**

REPORT NO.: 812441
NO. 1

DATE: 5-14-82
MODEL: 700 ADL
GAUGE: 6 MM
SERIAL NO. A6744915

PREVIOUS ROUNDS 2,000
TEST TITLE: Trigger / Sear Block eval

TTL. RND. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EJECT	DON'T SLIDE BACK	DON'T LOCK OPEN	FEED FROM MAG.		SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	HIGH VELOCITIES	REMARKS (ON BACK)	
								1st LATCH	2nd LATCH				HIGH	LOW	RIGHT	LEFT											YES	NO
R80 PSP	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
2200	AL	20																										
	AL	20																										
2240	AL	20																										
TOTAL (PER MAL.)																												

Gun 5

JACK ENDURANCE CENTERFIRE

REPROT NO.: 81244 NO.

DATE: 5-14-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6744915

PREVIOUS ROUNDS 2540

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,500
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	CRATERED SHELL	DON'T EJECT	DON'T SLIDE BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STRIKE MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BIND	LOADING	BOLT OVERRIDE	ACTION BIND UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	AC	20																								
	AC	20																								
2300	AC	20																								
	AC	20																								
	AC	20																								
	AC	20																								
	AC	20																								
2400	AC	20																								
	AC	20																								
	AC	20																								
	AC	20																								
	AC	20																								
TOTAL (PER MAL.)	AC	20																								

2500

Start of Test

4

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6745544

Headspace as Received: M+.002

Safe - "ON" - I. 8.50 (8.3) 2. 8.50 3. 8.00

"OFF" - I. 5.50 (5.4) 2. 5.50 3. 5.25

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.) Sear lift .018 Sear Engagement .034

I. .023 (.022) 2. .022 3. .023

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 3.75 (3.8) 2. 4.00 3. 3.75

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

• Tester and Date:_____

I-12-82

After 1,000 Rounds

4

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6745544

Headspace as Received: M +.002

Proof: OK

Headspace after Proof: _____

Safe - "ON" - I. 7.5 (6.8) 2. 7.0 3. 6.0

"OFF" - I. 5.0 (5.2) 2. 5.0 3. 5.5

Firing Pin Indent(in.)

(OK) I. .022
2. .022
3. .022

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

(4.0) I. 4.0
2. 4.0
3. 4.0

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:_____

Tester and Date:_____

CJS
I-12-82

fter 2,000 Rounds 5-12-82 Gun 4

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A 6745544

Headspace as Received: M+.003

Safe - "ON" - I. 7.0 (7.3) 2. 8.0 3. 7.0

"OFF" - I. 4.5 (4.5) 2. 4.5 3. 4.5

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

I. .022 (.024)
2. .0215
3. .0215

Sear lift .0155
Sear Engagement .035

Bolt Open Force(lbs.)

Cocked: I. _____ 2. _____ 3. _____

Dry Fired: I. _____ 2. _____ 3. _____

Trigger Pull(lbs.)

I. 3.5
2. 4.0 (3.8)
3. 4.0

Bolt Release Force(lbs.)

I. _____
2. _____
3. _____

Gun Length: _____

Gun Weight: _____

Center of Gravity: _____

Bore: _____

Choke: _____

Orifice Size: _____

Bolt Closing Velocity: _____

Magazine Spring Force: _____

Disconnector Check: _____

Primer Marking: _____

Safety Check: OK

Firing Pin Protrusion: _____

Pattern Test (Avg. of 5)

Group Size: _____

Horz.: _____

Vert.: _____

Accuracy (Avg. of 5)

Group Size: _____

Horz.: _____

Vert.: _____ P.O.I.: ____

Tester and Date: _____

CJS
I-12-82

After 2,500 Rounds

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

5-17-82

TEST PROCEDURE SHEET

(4)

Model 700

Serial No. N6745544

Headspace as Received: _____

Proof: _____

Headspace after Proof: MIN +.003

Safe - "ON" - I. 8.50 (8.8) 2. 10.50 3. 7.50

"OFF" - I. 4.50 (4.3) 2. 4.00 3. 4.50

Firing Pin Indent(in.)

(.022) I. .022 2. .022 3. .022

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

(4.3) I. 4.50 2. 4.00 3. 4.50

Bolt Release Force(lbs.)

I._____ 2._____ 3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:___

Tester and Date:_____

TS
I-12-82

REPORT NO. _____ DRY CYCLE SUMMARY PAGE NO. 1

TESTER: K.W Gun 4 TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: 0 RIFLE NO. JJ A-6745544

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppe's #9 WORK ORDER NO. _____

NO. OF CYCLES: _____ 5-3-82 TOTAL: 500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.0	8.0		
2.	7.5	7.0 (7.7)		
3.	7.5	8.0		

NO. OF CYCLES: 500 TOTAL: 1,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.5	8.0		
2.	8.5	7.0 (7.5)		
3.	6.5	7.5		

NO. OF CYCLES: 500 TOTAL: 1,500

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.0	7.5		
2.	6.5	7.5 (7.3)		
3.	7.0	7.0		

NO. OF CYCLES: 500 TOTAL: 2,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.5	7.5		
2.	8.0	7.0 (7.2)		
3.	8.0	7.0		

REPORT NO. ________ **DRY CYCLE SUMMARY** PAGE NO. 2

TESTER: R.W

TEST TITLE: Trigger / Sear block

PREVIOUS CYCLES: ________ Gun 4

RIFLE NO. A-6745544

DRY CYCLE SIMULATOR NO. ________

BOLT NO. ________

CYCLE RATE: ________

FIRE CONTROL NO. ________

LUBRICATION: Hoppe's #9

WORK ORDER NO. ________

NO. OF CYCLES: 500 5-3-82

TOTAL: 2,500

SEAR LIFT: .017

SEAR ENGAGEMENT: .035

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.6	8.0		
7.2 2.	7.0	7.5 7.7		
3.	7.5	7.5		

NO. OF CYCLES: ________

TOTAL: ________

SEAR LIFT: ________

SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ________

TOTAL: ________

SEAR LIFT: ________

SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ________

TOTAL: ________

SEAR LIFT: ________

SEAR ENGAGEMENT: ________

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 5-62-82 DRY CYCLE SUMMARY Gun 4 PAGE NO. 1

TESTER: RW TEST TITLE:

PREVIOUS CYCLES: RIFLE NO. A6745544

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 3,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.0	9.5		
2.	7.0	9.0		
3.	6.0	7.5		

(6.7) (8.7)

NO. OF CYCLES: 500 TOTAL: 3,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.0	7.5		
2.	7.0	8.0		
3.	8.5	7.5		

(7.5) (7.7)

NO. OF CYCLES: 500 TOTAL: 4,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.5	7.0		
2.	6.5	6.0		
3.	8.0	7.0		

(7.7) (6.7)

NO. OF CYCLES: 500 TOTAL: 4,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.5	7.0		
2.	8.0	8.0		
3.	8.0	8.0		

(7.5) (7.7)

REPORT NO. 812441 5-12-82 DRY CYCLE SUMMARY Gun 4 PAGE NO. 2

TESTER: RW TEST TITLE: _____

PREVIOUS CYCLES: _____ RIFLE NO. A6745544

DRY CYCLE SIMULATOR NO. _____ BOLT NO. _____

CYCLE RATE: _____ FIRE CONTROL NO. _____

LUBRICATION: Hoppes #9 WORK ORDER NO. _____

NO. OF CYCLES: 500 TOTAL: 5,000

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. 7.5	6.5		
7.7 2. 7.5	7.5	6.8	
3. 8.0	6.5		

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: .017 SEAR ENGAGEMENT: .036

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

NO. OF CYCLES: _____ TOTAL: _____

SEAR LIFT: _____ SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.			
2.			
3.			

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 4 PAGE NO. 1

TESTER: K.W. 5-18-92 TEST TITLE:

PREVIOUS CYCLES: 5,000 RIFLE NO. A6745544

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 5,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.5 2. 4.25 3. 4.0 (4.5)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(8.7) 1.	8.5	8.0		
2.	8.0	9.0	(9.0)	
3.	8.0	10.0		

NO. OF CYCLES: 500 TOTAL: 6,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 4.5 2. 4.0 3. 4.0 (4.1)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	7.0	9.5		
(7.3) 2.	7.5	8.5	(9.0)	
3.	7.5	9.0		

NO. OF CYCLES: 500 TOTAL: 6,500

SEAR LIFT: (4.2) SEAR ENGAGEMENT:

TRIGGER PULL: 1. 4.75 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(7.5) 1.	8.0	10.0		
2.	7.5	8.0	9.3	
3.	7.0	10.0		

NO. OF CYCLES: 500 TOTAL: 7,000

SEAR LIFT: (4.3) SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 4.0 3. 4.0

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(8.3) 1.	10.0	9.0		
2.	8.0	9.5		
	7.0	9.0		

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 4 PAGE NO. 2

TESTER: R.W 5-18-82 TEST TITLE:

PREVIOUS CYCLES:

RIFLE NO. A6745544

DRY CYCLE SIMULATOR NO.

BOLT NO.

CYCLE RATE:

FIRE CONTROL NO.

LUBRICATION: Hoppe's #9

WORK ORDER NO.

NO. OF CYCLES: 500

TOTAL: 7,500

SEAR LIFT:

43

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 4.5 2. 4.25 3. 4.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	8.5	7.5		
8.7 2.	8.0	8.5	8.3	
3.	9.5	9.0		

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES:

TOTAL:

SEAR LIFT:

SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

(4)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 NO. 1

PREVIOUS ROUNDS

DATE: 4-29-92 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6745544

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	TRAILING SHELL	BOLT HARD	BOLT HIGH BACK	BOLT LOCK QUIT	FEED FROM MAG. 1st	FEED FROM MAG. and LATCH	SHELL STUCK MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER RIFLE	ITEM CHAMBER CAM	ITEM CHAMBER EJECT	ITEM CHAMBER EXTR	SHELL JAMS MAG.	FOLLOWER BIENS	LOADING	BOLT OVERRIDE	ACTION ENG UP	BOLT RETRACT	MISFIRES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	AB	20	OK																									
	RW	20	OK																									
	JW	20	ok																									
	AB	20	ok																									
	RW	20	OK																									
	JW	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	JM	20	ok																									
	AB	20	ok																									
TOTAL (PER MIL.)																												

(4)

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 [illegible]NO. 2

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6745544

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	Shooter	No. of Rounds Fired	Firing	Trapped Shell	Don't Eject	Don't Blow Back	Don't Lock Open	Feed from Mag. 1st Latch	Feed from Mag. 2nd Latch	Shell Stems Mag.	Power Override	Don't Lock Up	Open Chamber [illegible]	Open Chamber [illegible]	Open Chamber [illegible]	Open Chamber [illegible]	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	Action Hang Up	Don't Retract	Breakages	Adjustments	Replacements	Bolt Velocities	Remarks (On Back) Yes	Remarks (On Back) No
R80PSP	JD	20	OK																									
	RW	20	OK																									
	JD	20	OK																									
	TF	20	OK																									
	JB	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
TOTAL (PER MAL.)																												

④

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 [illegible] NO. 3

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6745544

TEST TITLE: Trigger / Sear block eval.

TTL. NOS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOTS	NO. OF ROUNDS FIRED	FIRING	[illegible]	DON'T [illegible]	DON'T [illegible] BACK	DON'T LOCK OPEN	FEED FROM MAG.		SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK)	
								1st	2nd LATCH				[illegible]	[illegible]	[illegible]	[illegible]											YES	NO
R80 PSP	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
X	TF	20	ok																									
TOTAL (PER MIL.)		200																										

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

(4)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 PAGE NO. 4

DATE: 4-29-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-67453-14

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED SEAR	DON'T EJECT	DON'T EJECT BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STUCK MAG.	POWER OVERRIDE	DON'T LOCK UP	UPPER CHAMBER	LCR	LOWER CHAMBER	LCR	SHELL JUMPS MAG.	FOLLOWER BIND	JAMMING	BOLT OVERRIDE	ACTION TAKE UP	DON'T EXTRACT	REMARKS	ADJUSTMENTS	REPLACEMENTS	ECH VERIFIED	REMARKS (ON BACK) YES	NO
280 PSP	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
4-30-82	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
X	TF	20	OK																									
TOTAL (PER MAL.)																												

(4)

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 PAGE NO. 5

PREVIOUS ROUNDS: -0-

DATE: 4-30-82 MODEL: 700 ADL GAUGE: 6 MM SERIAL NO. A-6745541

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: 1,000

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED SEAR	EXTR. FAILED	EJECT. FAILED	FEED FAILED	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SEAR STRAP MAL.	POWER OVERRIDE	BOLT LOCK UP	ITEM UNDER: BOLT	ITEM UNDER: LUG	ITEM UNDER: STRIKER	ITEM UNDER: RECV	SEAR JUMPS MAG.	FOLLOWER BIND	LOADING	BOLT OVERRIDE	ACTION SET UP	BOLT THROW	HEADSPACE	ADJUSTMENTS	EJECTION	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	TF	20	ok																									
	TF	20	ok																									
4/30/82	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	ok	ok																									
	TF	20	ok																									
x	TF	20	ok																									
TOTAL (PER MAL.)																												

(4)

JACK ENDURANCE CENTERFIRE Operator load try Safety after every 20 rounds

REPT NO.: 812441

PAGE: 1

PREVIOUS ROUNDS: 4000

DATE: 5-4-82

MODEL: 700 ADL

GAUGE: 6MM

SERIAL NO.: A6745544

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	FAILED TO EJECT	FAILED TO FEED	DON'T EJECT	DON'T LOCK BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SEARS STICK MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIFLE	STEM CHAMBER LOW	STEM CHAMBER RIFLE	STEM CHAMBER LOW	SEARS JUMPS MAG.	FOLLOWER BENDS	TRIGGER	BOLT OVERRIDE	ACTION HARD TO	DON'T EXTRACT	BREECHES	ADJUSTMENTS	EJECTIONS	SLOW VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
XP80PSP	JN	20	ok																										
5/4/82	JN	20	ok																										
	RH	20	OK																										
	JN	20	ok																										
	JN	20	ok																										
	JN	20	ok																										
	JN	20	ok																										
	TF	20	ok																										
	TF	20	ok																										
X	JD	20	OK																										
TOTAL (PER PAL.)																													

(4)

JACK ENDURANCE CENTERFIRE Operat[illegible]d try safety after every 20 rounds

REPORT NO.: 812441

PAGE NO. 2

PREVIOUS ROUNDS

DATE:

MODEL: 700 ADL

GAUGE: 6MM

SERIAL NO. A6745544

TEST TITLE: Trigger / Sear Block eval.

TTL. RND. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	[illegible]	NO. OF ROUNDS FIRED	[illegible]	[illegible]	DON'T [illegible]	DON'T [illegible] BACK	DON'T LOCK OPEN	FEED FROM MAG.		SEMI STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SEMI JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	[illegible] HANG UP	DON'T [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS (ON BACK)	
								1st LATCH	2nd LATCH				[illegible]	[illegible]	[illegible]	[illegible]											YES	NO
R80 PSP	TF	20	ok																									
5/4/82	JN	20	ok																									
	RW	20	ok																									
	AD	20	ok																									
	AD	20	ok																									
	AD	20	ok																									
	AD	20	ok																									
	JN	20	ok																									
	AD	20	ok																									
X	AD	20	ok																									
TOTAL (PER MAL.)																												

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

(4)

JACK ENDURANCE CENTERFIRE Operator try Safety after every 20 rounds

REPORT NO.: 812441

PAGE 3

PREVIOUS ROUNDS

DATE:

MODEL: 700 ADL

GAUGE: 6MM

SERIAL NO. A6745544

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	CASE FEED SEEN	BOLT THROW	BOLT HOLD BACK	BOLT LOCK SEEN	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STEPS MAG.	POWER OVERCYCLE	BOLT LOCK UP	ETEN CHAMBER RIFLE	ETEN CHAMBER LET	ETEN CHAMBER PISTOL	ETEN CHAMBER LET	SHELL JUMPS MAG.	FOLLOWER BENDS	LOADER	BOLT OVERRIDE	ACTION ENE UP	BOLT LOCKS	HEADSPACE	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
5-5-82	JD	20	OK																									
P80 PSP	JN	20	OK																									
	JE	20	OK																									
	JE	20	OK																									
	JF	20	OK																									
	SN	20	OK																									
	AD	20	OK																									
	BB	20	OK																									
	AB	20	OK																									
	AN	20	OK																									
TOTAL (PER PAL.)																												

(4)

JACK ENDURANCE CENTERFIRE Operate [illegible]d try safety after every 20 rounds

REPORT NO.: 812441 PAGE NO.: 4

PREVIOUS ROUNDS

DATE: ______ MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6745544

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	Shooter	No. of Rounds Fired	Firing	Trapped Shell?	[illegible]	Don't Slide Back	Don't Lock Open	Feed From Mag. 1st Latch	Feed From Mag. 2nd Latch	Shell Stubs Mag.	Power Override	Don't Lock Up	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	Action Hang Up	Don't Eject	Breakages	Adjustments	Replacements	Bolt Velocities	Remarks (On Back) Yes	Remarks (On Back) No
	AD	20	ok																									
	JN	20	ok																									
	AD	20	ok																									
	JN	20	ok																									
	AD	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	RW	20	OK																									
	JN	20	ok																									
X	JN	20	ok																									
TOTAL (PER MAL.)																												

(4)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds REPROT NO.: 812441 NO. 6

DATE: 5-5-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6745544

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SERIES	NO. OF ROUNDS FIRED	FIRING	TRAVEL STROKE	DON'T EXTRACT	DON'T EJECT	DON'T LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER HIGH	STEM CHAMBER LOW	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HARD TO OPEN	DON'T EXTRACT	REPLACES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	JD	20	OK																									
	JD	20	OK																									
	JD	20	OK																									
	JD	20	OK																									
	JD	20	OK																									
	JM	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
X	TF	20	OK																									
TOTAL (PER MAL.)																												

Gun

JACK ENDURANCE **CENTERFIRE**

REPORT NO.: 812441

NO. 1

PREVIOUS ROUNDS 2000

DATE: 5-14-82

MODEL: 700ADL

GAUGE: 6MM

SERIAL NO. A6745544

TEST TITLE: Trigger/Sear Block eval.

TTL. RNG. FIRED:

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	MISFIRE	MISFEED SHELL	DON'T EJECT	DON'T SLIDE BACK	DON'T LOCK OPEN	FEED FROM MAG.		SHELL STEMS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION HANG UP	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	HIGH VELOCITIES	REMARKS (ON BACK)	
								1st	2nd LATCH				HIGH	LOW	RIGHT	LEFT											YES	NO
R80PSP	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
2200	AL	20																										
	AL	20																										
2240	AL	20																										
TOTAL (PER MAL.)																												

GUN 4

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 NO.

PREVIOUS ROUNDS 2240

DATE: 5-14-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6745544

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,500
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SECTION	NO. OF ROUNDS FIRED	FIRING	TRIGGER SEAR	BOLT HOLD OPEN	BOLT SLIP BACK	BOLT LOCK DOWN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd LATCH	SHELL STOPS MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER: RIGHT	ITEM CHAMBER: LEFT	ITEM CHAMBER: RIGHT	ITEM CHAMBER: LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION TAKE UP	BOLT IMPACT	RELEASES	ADJUSTMENTS	REPLACEMENTS	BOLT VELOCITIES	REMARKS (ON BACK): YES	REMARKS (ON BACK): NO
R80 PSP	AL	X																										
	AL	20																										
2300	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
2400	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
	AL	20																										
TOTAL (PER MFG.	AL	20																										

250

Start of test

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

5
Control Gun

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6747525

Headspace as Received: M+.003

Proof: ok

Headspace after Proof: —

Safe - "ON" - I. 5.25 (5.25)
2. 5.25
3. 5.25

"OFF" - I. 5.50 (5.25)
2. 5.25
3. 5.0

Firing Pin Indent(in.)
I. .0255
2. .025
3. .025
(.025)

Sear lift .019
Sear Engagement .020

Bolt Open Force(lbs.)
Cocked: I.____ 2.____ 3.____
Dry Fired: I.____ 2.____ 3.____

Trigger Pull(lbs.)
I. 4.25
2. 4.00 (4.25)
3. 4.50

Bolt Release Force(lbs.)
1.____
2.____
3.____

Gun Length:____

Gun Weight:____

Center of Gravity:____

Bore:____

Choke:____

Orifice Size:____

Bolt Closing Velocity:____

Magazine Spring Force:____

Disconnector Check:____

Primer Marking:____

Safety Check: O/K

Firing Pin Protrusion:____

Pattern Test (Avg. of 5)
Group Size:____
Horz.:____
Vert.:____

Accuracy (Avg. of 5)
Group Size:____
Horz.:____
Vert.:____ P.O.I.:____

• Tester and Date:____

CJS
I-12-82

After 1,000 Rounds

5
Control Gun

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6747525

Headspace as Received: M +.003

Proof: OK

Headspace after Proof: _____

Safe - "ON" - I. 5.5
2. 5.5
3. 5.5

"OFF" - I. 5.25
2. 5.25
3. 5.25

Firing Pin Indent(in.)

I. .026
2. .0255
3. .026

Bolt Open Force(lbs.)

Cocked: I._____ Dry Fired: I._____
2._____ 2._____
3._____ 3._____

Trigger Pull(lbs.)

I. 4.0
2. 4.0
3. 4.0

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

Tester and Date:_____

JS
1-12-82

After 2,000 Rounds 5-12-82 Gun 5

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS) Control Gun

TEST PROCEDURE SHEET

Model 700 6MM

Serial No. A6747525

Headspace as Received: M+.003

Safe - "ON" - I. 5.5 2. 5.5 3. 5.5 (5.5)

"OFF" - I. 5.5 2. 5.0 3. 5.0 (5.1)

Proof: OK

Headspace after Proof: _____

Firing Pin Indent(in.)

I. .0255 (.0255)
2. .0255
3. .025

Sear lift .020

Sear Engagement .020

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 5.0
2. 4.25
3. 4.50

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:____

CJS
I-12-82

• Tester and Date:_____

After 2,500 Rounds

SHOTGUNS, CENTERFIRES, RIMFIRES (PUMPS & AUTOLOADERS)

5-17-82

TEST PROCEDURE SHEET

Model 700

Serial No. A6747525

(5)

Headspace as Received: _____

Proof: _____

Headspace after Proof: MIN. +.003

Safe - "ON" - I. 5.00 2. 5.00 3. 5.50 (5.1)

"OFF" - I. 4.00 2. 6.00 3. 4.50 (4.8)

Firing Pin Indent(in.)

I. .025
2. .026
3. .026

(.0256)

Bolt Open Force(lbs.)

Cocked: I._____ 2._____ 3._____

Dry Fired: I._____ 2._____ 3._____

Trigger Pull(lbs.)

I. 5.00
2. 5.50
3. 5.00

(1)

Bolt Release Force(lbs.)

I._____
2._____
3._____

Gun Length:_____

Gun Weight:_____

Center of Gravity:_____

Bore:_____

Choke:_____

Orifice Size:_____

Bolt Closing Velocity:_____

Magazine Spring Force:_____

Disconnector Check:_____

Primer Marking:_____

Safety Check: OK.

Firing Pin Protrusion:_____

Pattern Test (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____

Accuracy (Avg. of 5)

Group Size:_____

Horz.:_____

Vert.:_____ P.O.I.:___

Tester and Date:_____

S
I-12-82

REPORT NO. 812441 DRY CYCLE SUMMARY PAGE NO. 1

TESTER: R.W.L. Control Gun TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: 0 No. 5 RIFLE NO. A-6747525

DRY CYCLE SIMULATOR NO. ____ BOLT NO. ____

CYCLE RATE: ____ FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9 5-3-82 WORK ORDER NO. ____

NO. OF CYCLES: ____ TOTAL: 500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.5	7.0		
2.	6.0	8.0		
3.	6.5	8.0		
	6.3	7.6		

NO. OF CYCLES: 500 TOTAL: 1,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	9.0		
2.	5.5	8.0		
3.	6.0	8.0		
	5.6	9.3		

NO. OF CYCLES: 500 TOTAL: 1,500

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	8.0		
2.	5.5	7.5		
3.	6.0	8.0		
	5.8		7.8	

NO. OF CYCLES: 500 TOTAL: 2,000

SEAR LIFT: ____ SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.5	8.0		
2.	6.5	8.5		
3.	6.5	9.0		
	6.1		8.5	

REPORT NO. 812441 DRY CYCLE SUMMARY PAGE NO. 2

TESTER: R.W. Control Gun TEST TITLE: Trigger/Sear block

PREVIOUS CYCLES: RIFLE NO. A-6747525

DRY CYCLE SIMULATOR NO. No. 5 BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 5-3-82 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 2,500

SEAR LIFT: .021 SEAR ENGAGEMENT: .0205

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	5.0	8.5		
2.	5.5	8.5	8.3	
3.	5.0	8.0		

(5.1)

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

REPORT NO. 812446 | BAT CYCLE SUMMARY | PAGE NO. 1

TESTER: R.W | Gun 5 Control 5-13-82 | TEST TITLE: Trigger / Sear Block

PREVIOUS CYCLES: | RIFLE NO. A6747525

BAT CYCLE SIMULATOR NO. | BOLT NO.

CYCLE RATE: | FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 | WORK ORDER NO.

NO. OF CYCLES: 500 | TOTAL: 3,000

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
	1. 6.5	8.0		
6.6	2. 7.5	8.5	8.1	
	3. 6.0	8.0		

NO. OF CYCLES: 500 | TOTAL: 3,500

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
	1. 6.5	8.5		
6.8	2. 7.0	7.5	8.1	
	3. 7.0	8.5		

NO. OF CYCLES: 500 | TOTAL: 4,000

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
	1. 6.5	8.0		
6.1	2. 6.0	7.0	7.6	
	3. 6.0	8.0		

NO. OF CYCLES: 500 | TOTAL: 4,500

SEAR LIFT: | SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
	1. 6.0	8.0		
6.1	2. 7.0	7.0	7.3	
	3. 5.5	7.0		

REPORT NO. ~~542444~~ DRY CYCLE SUMMARY PAGE NO. 2

TESTER: KW Gun 5 TEST TITLE: Trigger / Sear Block

PREVIOUS CYCLES: Control RIFLE NO. A6747525

DRY CYCLE SIMULATOR NO. 5-13-82 BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Happe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 5,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	6.5		
2.	6.5	6.5	6.5	
3.	5.5	6.5		

(6.0)

NO. OF CYCLES: TOTAL:

SEAR LIFT: .020 SEAR ENGAGEMENT: .020

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: TOTAL:

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 2. 3.

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

REPORT NO. 812441 DRY CYCLE SUMMARY Gun 5 (Control) PAGE NO. 1

TESTER: A.W. 5-18-82 TEST TITLE:

PREVIOUS CYCLES: 5,000 RIFLE NO. A6747525

DRY CYCLE SIMULATOR NO. BOLT NO.

CYCLE RATE: FIRE CONTROL NO.

LUBRICATION: Hoppe's #9 WORK ORDER NO.

NO. OF CYCLES: 500 TOTAL: 5,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.25 2. 4.50 3. 4.50 (4.75)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(6.1)	1. 6.0	8.0		
	2. 6.5	8.0	(9.0)	
	3. 6.0	8.0		

NO. OF CYCLES: 500 TOTAL: 6,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 4.5 3. 4.5 (4.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(6.1)	1. 5.5	8.0		
	2. 7.0	8.5	(8.0)	
	3. 6.0	7.5		

NO. OF CYCLES: 500 TOTAL: 6,500

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5.0 2. 4.5 3. 4.5 (4.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
	1. 8.0	9.0		
(7.0)	2. 6.0	9.0	(8.5)	
	3. 7.0	7.5		

NO. OF CYCLES: 500 TOTAL: 7,000

SEAR LIFT: SEAR ENGAGEMENT:

TRIGGER PULL: 1. 5 2. 4.75 3. 4.50 (4.75)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
(6.8)	1. 7.0	8.5		
	2. 7.5	9.0	(8.1)	
	6.0	8.0		

REPORT NO. 812441 DRY CYCLE SUMMARY Run 5 Control PAGE NO. 2

TESTER: RW

5-18-82

TEST TITLE: ____

[illegible]VIOUS CYCLES: ____

RIFLE NO. A6747525

DRY CYCLE SIMULATOR NO. ____

BOLT NO. ____

CYCLE RATE: ____

FIRE CONTROL NO. ____

LUBRICATION: Hoppe's #9

WORK ORDER NO. ____

NO. OF CYCLES: 500

TOTAL: 7,500

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. 5.25 2. 4.75 3. 4.50 4.8

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	6.0	7.0		
6.3 2.	8.0	7.5	7.6	
3.	5.0	8.5		

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

[illegible]SERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

TRIGGER PULL: 1. ____ 2. ____ 3. ____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: ____

TOTAL: ____

SEAR LIFT: ____

SEAR ENGAGEMENT: ____

[illegible]GGER PULL: 1. ____ 2. ____ 3. ____

[illegible]SERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

Control Gun

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 NO. 1

PREVIOUS ROUNDS: ____

DATE: 4-29-82 MODEL: M-700 ADL GAUGE: 6MM SERIAL NO. A-6747525

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ____
TTL. MALFUNCTIONS: ____
MALFUNCTION RATE: ____

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRIGGER SEAR	DON'T FIRE	DON'T EJECT BOLT BACK	DON'T EJECT	FEED FROM MAG. 1st	FEED FROM MAG. and LATCH	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER LEFT	SHELL STICKS EJ.	FOLLOWER RIDES	LOADING	BOLT OVERRIDE	ACTION TAKE UP	DON'T EXTRACT	BREECHES	ADJUSTMENTS	RECIPROCATING	SHELL VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80PSP	RN	20	OK																									
	RN	20	OK																									
4/29/82	RN	20	OK																									
	TF	20	OK																									
	TF	20	OK																									
	JN	20	OK																									
	JN	20	OK																									
	TF	20	OK																									
	JN	20	OK																									
	TF	20	OK																									
TOTAL (PER MAL.)																												

Control Gun 5

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 NO. 2

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: M-700 ADL GAUGE: 6 MM SERIAL NO. A-6747525

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	SHOOTER	NO. OF ROUNDS FIRED	[illegible]	[illegible]	DOESN'T [illegible]	DOESN'T [illegible] BACK	DOESN'T LOCK [illegible]	FEED FROM MAG.		SHELL STEMS MAG.	POWER OVERRIDE	DOESN'T LOCK UP	STEM CHAMBER				SHELL JUMPS MAG.	FOLLOWER BINDS	[illegible]	BOLT OVERRIDE	ACTION HANG UP	DOESN'T EXTRACT	[illegible]	ADJUSTMENTS	[illegible]	BOLT [illegible]	REMARKS (ON BACK)	
								1st LATCH	2nd				[illegible]	[illegible]	[illegible]	[illegible]											YES	NO
R80 PSP	RW	20	ok																									
	TF	20	ok																									
4-29-82	JD	20	ok																									
	JN	20	ok																									
	RW	20	ok																									
	RW	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
TOTAL (PER MAL.)																												

Contr[illegible]
Gun 5

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 [illegible]o. 3

PREVIOUS ROUNDS ______

DATE: 4-29-82 MODEL: M-700 ADL GAUGE: 6 MM SERIAL NO. A-6747525

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: ______
TTL. MALFUNCTIONS: ______
MALFUNCTION RATE: ______

"MALFUNCTIONS"

Ammunition Load Size	[illegible]	No. of Rounds Fired	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Feed from Mag. 1st	Feed from Mag. 2nd Latch	Shell Sticks Mag.	Power Override	Don't Lock Up	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Stem Chamber [illegible]	Shell Jumps Mag.	Follower Binds	Loading	Bolt Override	[illegible]	Don't Extract	Breakages	Adjustments	Replacements	Bolt [illegible]	Remarks (on back) Yes	Remarks (on back) No
R80 PSP	SN	20	ok																									
	TF	20	ok																									
4-29-82	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
X	TF	20	ok																									
TOTAL (PER MAL.)																												

Contr
Gun 5

JACK ENDURANCE CENTERFIRE

REPORT NO.: 812441 PAGE NO. 4

PREVIOUS ROUNDS

DATE: 4-29-82 MODEL: M-700 ADL GAUGE: 6MM SERIAL NO. A-6747525

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

Ammunition Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED TO FEED	DOUBLE FEED	DOUBLE EJECT	FAILED TO EJECT	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SMALL STEEL MAG.	POWER OVERRIDE	BOLT FAILS UP	STEM CHAMBER RIFLE	STEM CHAMBER LEFT	STEM CHAMBER RIGHT	STEM CHAMBER MISC.	SMALL JONES MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION SET UP	BOLT STICKS	BREECHING	ADJUSTMENTS	EJECTION	BOLT RELUCTANCE	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 PSP	RD	20	ok																									
	RD	20	ok																									
	RD	20	ok																									
	RD	20	ok																									
4-30-82	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
x	TF	20	ok																									
TOTAL (PER MAL.)																												

Contr Gun 5

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 RUN NO. 5

DATE: 4-30-82 MODEL: M-700 ADL GAUGE: 6MM SERIAL NO. A-6747525

PREVIOUS ROUNDS

TEST TITLE: Trigger / Sear block eval.

TTL. RDS. FIRED: 4,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SEQUENCE	NO. OF ROUNDS FIRED	FIRING	FAILED SEAR	DON'T EJECT	DON'T SEAR BACK	DON'T LOCK UP	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SEAR STEPS MAG.	POWER OVERRIDE	DON'T LOCK UP	ITEM CHAMBER RIGHT	ITEM CHAMBER LFT	ITEM CHAMBER RIGHT	ITEM CHAMBER LEFT	SEAR JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION BINDS UP	DON'T EXTRACT	BREECHES	ADJUSTMENTS	EXTRACTORS	EJECT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 BSP	TF	20	ok																									
	TF	20	ok																									
4/30/82	TF	20	ok																									
	GH	20	ok																									
	GH	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	AA	20	ok																									
X	JN	20	ok																									
TOTAL (PER MAL.)																												

(5)

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

REPROT NO.: 812441 PAGE NO. 1

Control Gun

PREVIOUS ROUNDS 4000

DATE: 5-4-82 MODEL: M-700 ADL CAUSE: 6MM SERIAL NO. A6247525

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SECTION	NO. OF ROUNDS FIRED	FIRING	TRIGGER SCRUB	DIRTY TRIGGER	DIRTY SEAR BACK	DIRTY TRIGGER GUARD	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SEARS STRIKE MAG.	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER				SEARS STRIKE MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION JAMS UP	BOLT RETRACT	RECHARGE	ADJUSTMENTS	REMARKS	BOLT MALFUNCTIONS	REMARKS (OR BACK) YES	REMARKS (OR BACK) NO
													TRIG	EJT	FEED	LIFT												
R80 PSP	RW	20	ok																								
	RW	20	OK																								
	TE	20	ok																								
	TE	20	ok																								
	RW	20	ok																								
	JN	20	ok																								
	JN	20	ok																								
	RW	20	ok																								
	JN	20	ok																								
X	RW	20	OK																								
TOTAL (PER MAL.)																											

(5) Control Gun

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

REPROT NO.: 812441 PAGE NO. 2

PREVIOUS ROUNDS: ____

DATE: ____

MODEL: M-700 ADL CALIBER: 6MM

SERIAL NO. A6747525

TEST TITLE: Trigger / Sear Block eval.

TTL. NO. FIRED: ____
TTL. MALFUNCTIONS: ____
MALFUNCTION RATE: ____

"MALFUNCTIONS"

AMMUNITION Load Size	SEATER	NO. OF ROUNDS FIRED	FIRING	FAILED SEAR	DON'T FIRE	DON'T EJECT	DON'T LOCK BACK	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	ITEM CHAMBER: BASE	ITEM CHAMBER: LEFT	ITEM CHAMBER: RIGHT	ITEM CHAMBER: NECK	SHELL TURNS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	AUTO SEAR UP	DON'T EXTRACT	BREECH	AMMUNITION	EJECTION	BOLT VELOCITIES	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
R80 7sr	TF	20	ok																									
3/4/82	TF	20	ok																									
	JN	20	ok																									
5-5-82	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
X	JN	20	ok																									
TOTAL (PER MAL.)																												

(5) Control Gun

PREVIOUS ROUNDS: ____

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

REPROT NO.: 8124411

DATE: 5-5-82

MODEL: M-700 ADL

GAUGE: 6MM

SERIAL NO. A6747525

TEST TITLE: Trigger / Sear Block eval.

TTL. RND. FIRED: ____
TTL. MALFUNCTIONS: ____
MALFUNCTION RATE: ____

"MALFUNCTIONS"

Ammunition Load Size	SEARING	NO. OF ROUNDS FIRED	FIRING	TRIGGER CREEP	TRIGGER PULL	BOLT HOLD-OPEN	BOLT LOCK-UP	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SEAR ENGAGEMENT	BOLT OVERRIDE	BOLT LOCK-UP	ITEM CHAMBER CASE	ITEM CHAMBER BOLT	ITEM CHAMBER FIRING PIN	ITEM CHAMBER EJECT	SEAR JAMS MAG.	SHELL HOLDER SHIFTS	EJECTION	BOLT OVERRIDE	ACTION OPEN UP	BOLT LOCK-UP	FEATURES	ADJUSTMENTS	ACCESSORIES	BOLT TRAJECTORY	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
	RD	20	OK																									
	RD	20	OK																									
	RD	20	OK																									
	TF	20	OK																									
	RD	20	OK																									
	RD	20	OK																									
	JN	20	OK																									
	RD	20	OK																									
	RD	20	OK																									
X	RD	20	OK																									
TOTAL (PER MAL.)																												

(5) Control Gun

PREVIOUS ROUNDS

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

DATE: 5-5-82 MODEL: M-700 ADL GAUGE: 6MM

TEST TITLE: Trigger / Sear Block eval.

REPROT NO.: 812441 PAGE NO. 4

SERIAL NO. A6747525

TTL. RND. FIRED:

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRIGGER SPRING	DISC. EXTRACTOR	DISC. EJECTOR	FEED LOCK UP	FEED FROM MAG. 1st	FEED FROM MAG. LATCH	SEARS WORN	POWER OVERRIDE	BOLT LOCK UP	ITEM CHAMBER				SEARS JUMPS MAG.	FOLLOWER BENDS	LOADING	BOLT OVERRIDE	ACTION BIND UP	BOLT LOCKUP	SEARS	ADJUSTMENTS	REPLACEMENTS	BOLT MALFUNCTIONS	REMARKS (ON BACK) FEB	REMARKS (ON BACK) NO
													CASE	LIP	PRIMER	HEEL												
R80PSP	RW	20	ok																									
5/5/82	JM	20	ok																									
	JM	20	ok																									
	JM	20	ok																									
	TF	20	ok																									
	RW	20	ok																									
	JM	20	ok																									
	JM	20	ok																									
	TF	20	ok																									
X	TF	21	ok																									
TOTAL (PER MAL.)																												

(5) Control Gun

JACK ENDURANCE CENTERFIRE Operate and try Safety after every 20 rounds

RETROT NO.: 812441 NO. 5

PREVIOUS ROUNDS: ____

DATE: 5-5-92 MODEL: M-700 ADL GAUGE: 6MM SERIAL NO. A6747525

TEST TITLE: Trigger / Sear Block eval.

TTL. RDS. FIRED: 2,000
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRAPPED SHELL	DON'T EJECT	DON'T FLOW BACK	DON'T LOCK UP	FEED FROM MAG. 1st LATCH	FEED FROM MAG. 2nd LATCH	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	ITEM CHAMBER CHIEF	ITEM CHAMBER 1ST	ITEM CHAMBER 2ND	ITEM CHAMBER 3RD	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION TAKE UP	DON'T EXTRACT	SEPARATES	AUTOGENOUS	MISCHANGING	SLIDE VELOCITY	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
180 PSP	JN	80	OK																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	JN	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	TF	20	ok																									
	JN	20	ok																									
x	JN	20	ok																									
TOTAL (PER MAL.)																												

Gun Control

JACK ENDURANCE CENTERFIRE

REPTOT NO.: 812441 NO. 1

DATE: 5-14-92 MODEL: 700 ADL GAUGE: 6MM SERIAL NO. A6747525

TEST TITLE: Trigger / Sear Block eval.

PREVIOUS ROUNDS: _____

TTL. RDS. FIRED: _____
TTL. MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

AMMUNITION Load Size	SECTOR	NO. OF ROUNDS FIRED	FIRING	TRIGGER SEAR	DON'T FIRE	DON'T EJECT	DON'T LOCK BACK	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	ITEM CHAMBER RIGHT	ITEM CHAMBER LEFT	ITEM CHAMBER RIGHT	ITEM CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BIND	LOADING	BOLT OVERRIDE	ACTION NOT CLOSED	DON'T EXTRACT	BREAKAGES	ADJUSTMENTS	REPLACEMENTS	ITEM VERIFICATION	REMARKS (ON BACK) YES	REMARKS (ON BACK) NO
180 PSP	LL	30																										
	LL	20																										
	LL	30																										
	LL	30																										
	RL	20																										
	RL	30																										
	RL	20																										
	RL	20																										
	RL	20																										
	RL	20																										
2200	RL	20																										
	RL	20																										
2240	RL	20																										
TOTAL (PER MAL.)																												

Gun Control

JACK ENDURANCE CENTERFIRE

REPROT NO.: 812441 NO. 2

PREVIOUS ROUNDS 2240

DATE: 5-14-82 MODEL: 700 ADL GAUGE: 6MM SERIAL NO A6747525

TEST TITLE: Trigger / Sear Block eval.

TTL. REG. FIRED: 2,500

TTL. MALFUNCTIONS:

MALFUNCTION RATE:

"MALFUNCTIONS"

AMMUNITION Load Size	SHOOTER	NO. OF ROUNDS FIRED	FIRING	TRIGGER STICK	DON'T RESET	DON'T SLIDE BACK	DON'T LOCK OPEN	FEED FROM MAG. 1st	FEED FROM MAG. 2nd	SHELL STICKS MAG.	POWER OVERRIDE	DON'T LOCK UP	STEN CHAMBER RIGHT	STEN CHAMBER LEFT	STEN CHAMBER RIGHT	STEN CHAMBER LEFT	SHELL JUMPS MAG.	FOLLOWER BINDS	LOADING	BOLT OVERRIDE	ACTION SLOW UP	DON'T EXTRACT	RELEASES	ADJUSTMENTS	REPLACEMENTS	BOLT MALFUNCTIONS	REMARKS (ON MAL.) YES	REMARKS (ON MAL.) NO
R80 PSP	AL	20																										
	AL	20																										
2300	AL	20																										
	AL	20																										
	RW	20																										
	RW	20																										
	RW	20																										
2400	RW	20																										
	RW	20																										
	AL	20																										
	AL	20																										
	AL	20																										
TOTAL (PER MAL.)	RW	20																										

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington (UPPER) Peters (LOWER)

Distribution: C. B. Workman
J. S. Martin
C. E. Ritchie
F. S. Martin

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

RESEARCH TEST and MEASUREMENT REPORT – Report No. 812441

NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

Prepared by: Ron Williams

Date Prepared: 9/10/82

Proofread and Cleared By:

J.H. Hemmings, Foreman-Test Lab / R.E. Nightingale, Foreman-Measurement Lab

Signature Date 9-15-82

C.E. Ritchie,
Sr. Supervisor - Testing,
Meas. & Mech. Analysis Lab

Signature Date 9-14-82

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 812441

REPORT TITLE: New Design Trigger/Sear Block Evaluation

MODEL(S): 700 ADL

GAUGE OR CALIBER: 6MM Remington

DATE: 9/10/82

WORK ORDER NO.: C-1803-000

PART NAME: Trigger Assembly

DESIGNER/ENGINEER: F. Martin

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED _____
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: Static
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: 5

   NO. OF ROUNDS PER GUN 2,500

   TOTAL ROUNDS FIRED IN TEST: 12,500

   AMMO TYPE: MAGS. _____; TARGET: _____

   RIM FIRE _____ CENTER FIRE 6mm

REMINGTON ARMS COMPANY, INC.
Firearms Research Division

Report No. 812441

September 10, 1982

TO: J. H. Hennings

FROM: R. Williams

REPORT TITLE: NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

ABSTRACT:

A total of (5) M /700 Fire control assemblies with the New Design safety assemblies, were delivered to the Test Lab by Fred Martin for testing. This safety assembly blocks the trigger and the sear so that the firing pin won't fall when the trigger is held back while the safety switch is pushed from the safe to fire position. Both dry cycle and live fire endurance tests were used to test the assemblies. A M/700 fire control assembly (Current Production) was used as a control and (4) out of the (5) New Design assemblies were used in the test.

SCOPE OF TEST

To evaluate the functional performance of the New Design safety assembly, in the M/700 Rifle during lab testing.

TEST RESULTS

No functional problems arose during testing. Both the New Design safety and the control functioned normally. There was no significant change in the safe.On/Off forces measured before, during and after testing, on all the assemblies, including the control.

REPORT TEXT

All four (4) new trigger assemblies were subjected to the following trick test:

- Place Safety Switch in the Safe "On" position.
- Close the bolt.
- Put constant pressure on the trigger attempting to fire the rifle.
- Push the Safety Switch from the "On" position to the "Off" position.
- Does the firing pin fall?

All four (4) New Design Trigger Assemblies with the trigger /sear blocked passed this test. In all four (4) guns the firing pin did not fall.

NOTE: The measurements recorded for the Safe On/Off forces are questionable. There is no way to determine if they are within Remington Standards, because there are no standards written for these forces with this fire control assembly. The only Remington Standards written for Safe On/Off forces, pertain to the common fire control. That Standard is:

4 – 8 lbs. – One sharp click
Double click not allowed

The Safe On/Off forces measured in this test range from 5.25 lbs to 10.2 lbs. – almost a 5 lb. difference. (Refer to Appendix A, Data Sheets No. 1 – 5 for all Safe On/Off measurements).

TEST PROCEDURE

A. MEASUREMENTS

The following measurements were taken on the five rifles used in this test:

- Headspace
- Firing Pin Indent
- Trigger Pull
- Sear Lift
- Sear Engagement
- Safe On/Off Forces

B. TEST CONDITIONS

1. After every 20 rounds fired, the safety was checked. This was done by holding the trigger and pushing the safety switch from safe to fire.

2. After 1,000 rds. of live fire all the rifles were cleaned and they were remeasured. (Jack Shooting).

3. The rifles were then subjected to Safe On/Off dry cycle. Each rifle was cycled for 2,500 cycles, with Safe On/Off measurements taken every 500 cycles and Sear Lift and Engagement at the 2500 cycle level.

4. The rifles were then live-fired to the 2.000 round level. (Jack Shooting) Measurements were taken at this level.

TEST PROCEDURE – CONT'D.

5. The rifles were then subjected to another Safe On/Off dry cycle test. They were brought to the 5,000 cycle level. (2,500 additional cycles) Safe on/off measurements were taken every 500 cycles and sear lift and engagement wear measured at the 5,000 cycle level.

These same procedures were followed until live fire totaled 2,500 rounds per rifle and safe On/Off dry cycle totaled 7500 cycles per rifle.

C. AMMUNITION

Remington 80 grain Pointed Soft Point.

APPENDIX "A"

Report No. 41244

M-700 TRIGGER/SEAR BLOCK EVALUATION

No 1

Aug. 31, 1982

R. Williams

M-700	6MM CAL. # A6752973	1	2	3		4	5	6
	Sample No 1	HEADSPACE	FIRING PIN INDENT	SAFE (lbs) ON	SAFE (lbs) OFF	TRIGGER PULL (lbs)	SEAR LIFT	SEAR ENGAGEMENT
1								
2	START OF TEST	MIN. + .004"	.025"	6.2	6.0	4.0	.0105"	.035"
3								
4	LIVE FIRE							
5	after 1,000 rds.	MIN. + .004"	.025"	6.2	6.8	4.25		
6								
7	DRY CYCLE							
8	500 cyc.			5.5	8.6			
9	1000 cyc.			5.8	9.7			
10	1500 cyc.			5.7	9.5			
11	2000 cyc.			5.5	8.7			
12	2500 cyc.			5.7	9.3		.0105"	.035"
13								
14	LIVE FIRE							
15	after 2000 rds.	MIN. + .004"	.025"	5.6	7.3	4.0	.0165"	.027"
16								
17	DRY CYCLE							
18	3000 cyc.			6.2	9.3			
19	3500 cyc.			6.5	10.3			
20	4000 cyc.			5.7	9.2			
21	4500 cyc.			6.2	9.5			
22	5000 cyc.			6.2	9.2		.0165"	.029"
23								
24								
25	LIVE FIRE							
26	after 2500 rds HL	MIN. + .004"	.025"	6.3	8.5	4.5		
27								
28	DRY CYCLE							
29	5500 cyc			6.2	10.5	4.8		
30	6000 cyc.			6.2	10.0	4.6		
31	6500 cyc.			6.2	8.8	4.6		
32	7000 cyc			6.0	7.8	4.8		
33	7500 cyc.			6.2	9.8	4.6		
34								
35								
36								
37								
38								
39								
40								

Report No. 81244
No. 2

M-700 TRIGGER/SEAR BLOCK EVALUATION

Aug. 31, 1982

R. Williams

M-700	6MM cal. #A6744869 Sample No. 2	1 Headspace	2 Firing Pin Indent	3 Safe (in lbs.) ON	3 Safe (in lbs.) OFF	4 Trigger Pull (in lbs.)	5 Sear Lift	6 Sear Engagement
	START OF TEST	Min +.003"	.023"	6.5	5.3	4.3	.0135"	.026"
	LIVE FIRE after 1000 rds.	Min +.004"	.024"	6.4	5.7	4.4		
	DRY CYCLE							
	500 cyc.			5.9	7.8			
	1000 cyc.			6.0	6.7			
	1500 cyc.			6.0	7.0			
	2000 cyc			5.5	6.7			
	2500 cyc			5.3	7.7		.015	.025
	LIVE FIRE after 2000 rds.	Min +.004"	.023"	5.7	4.8	4.2	.014"	.029"
	DRY CYCLE							
	3000 cyc			6.5	8.0			
	3500 cyc			5.5	7.8			
	4000 cyc			5.8	7.2			
	4500 cyc			6.2	7.7			
	5000 cyc			7.8	8.0		.018	.0285
	LIVE FIRE after 2500 rds III.	Min +.004"	.023"	5.8	4.5	4.7		
	DRY CYCLE							
	5500 cyc.			7.0	9.5	4.8		
	6000 cyc.			6.7	8.7	4.5		
	6500 cyc.			6.7	7.8	4.5		
	7000 cyc			7.2	7.8	4.8		
	7500 cyc			6.6	8.5	4.5		

June 30, 1982

- M/7 LWT progressing
- M/700 ADL Restyle progressing

July 28, 1982

- 700 ADL Restyle progressing
- Model 700 BDL Redesign (1986 introduction)
  - "Marketing noted that the second phase of the Bolt Action Strategy involves a redesign of the Model 700 BDL. ...the new rifle will be a completely new rifle, not a restyle of the BDL."
- Research explained options being considered (see letter from Capeletti to Workman 4-30-82)

September 22, 1982 (Quarterly Report)

- Model 7 Progress Report
- Model 700 ADL Restyle Report
- New Bolt Action extensively layed out by CBW (1986 introduction, see following pages)

October 14, 1982

- Model 7 Progress Report
- Model 700 ADL Restyle Progress Report

December 15, 1982

- Shit hits fan on Model 7
- ADL Restyle warehoused

R. S. Murphy:ws
1-25-84

Our goal is to be able to warehouse guns by mid-1983.

Our main design concern at this time is the strength of the fore-end. Different methods of reinforcement are currently under investigation.

As the schedule shows, the series is planned to continue through 1984 and 1985.

In 1984 it is planned to offer three more versions of the Special, a 12 gauge rifled slug version, a 3" chambered waterfowl version and the LT-20 special field grade. The rifled slug model and the LT-20 special field grade will probably have the same individual features as this sample. Model requirements for the waterfowl design have not yet been defined, but some of the features being considered include interchangeable choke tubes, a manual load selector for 2-3/4" and 3" shells, rust resistant internal finishes, and low luster external finishes for both wood and metal parts.

In 1986 the series will be completed with rifled slug and waterfowl versions of the LT-20.

Production commented that Research and Marketing have proposed model requirements for a 12 gauge Model 1100 Special (Chart XLVIII) to be introduced in mid-1983. Production is estimating investment and manufacturing costs based on advance prints supplied by Research. Economics and an implementation schedule will be presented at the October 14 meeting. The critical features, as perceived by Production, are listed in Chart XLIX.

Model 870 Special

A similar series based on the Model 870 is also being considered. Features comparable to those discussed on the 1100 will be investigated. As with the 1100 Special, shortening the magazine tube is expected to complicate the design of the fore-end. How much of a problem this will be remains to be seen. Unlike the 1100, however, 870 barrels will not be interchangeable, since the short magazine will necessitate moving the barrel guide ring.

If no insurmountable problems are encountered, the special field version will be announced in 1984, followed by a series of models in 1985 and 1986, patterned after the 1100 series; rifled slug, waterfowl and 20 gauge.

[redacted]

In July, a four-page list of design specifications for a bolt action rifle that is being considered as a replacement for the 700 was reviewed. Three contingency designs are being considered. Today, I will review what we feel are the key

design elements (Chart L) of this rifle: the receiver will be redesigned to provide the features that seem to be preferred by gunsmiths, gun writers, and customers; flat bottom and integral recoil lug. The external appearance will be similar to the sample Model Seven that was passed around.

It is desireable that the safety block the trigger as well as the firing pin, for the added margin of safety against accidental discharge. We feel that a bolt lock is a good selling feature and continue to feel that it should be independent of the safety switch for maximum protection.

A fully adjustable fire control is also a good selling feature and we will try to provide one. We would like to go the extra step of providing this feature without removing the action from the stock.

The combination of a high gloss, lightweight contour with a hammer marked barrel may prove incompatible with the process, but this will have to be investigated. It does offer unique styling opportunities.

The rotary magazine feed system offers three advantages:

1. Smooth operation;

2. Better feeding characteristics since you feed from a single location;

3. A more rigid reciever since the shell opening cut is not as large. This feature can contribute to improved accuracy.

In spite of the fact that our present extractor is stronger than most competitors, it is perceived by shooters as being a cheap, weak, unreliable stamping. We will try to correct that problem without compromising the superior strength of the 700.

Reduced lock time is a key factor in the recognized accuracy of the 788. We will try to duplicate that feature in this new rifle and at the same time provide our Marketing Department with laboratory measured effects of improved lock time at the target, to be used in sales promotions and advertising.

Finally, the stock will be walnut, designed in conjunction with leading stock makers, with features found only in custom-made stocks. The butt will be cast off and toed out to fit the natural contour of the human shoulder and enable the shooter to sight quickly with a more natural head position. Current methods of stock manufacturing should enable us to make three versions if necessary: cast off or on, toed in or out, or straight. We believe this touch of custom work is a good

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington (Hand) DETERS (Hand)

Distribution: C. B. Workman
J. S. Martin
C. E. Ritchie
F. S. Martin

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

RESEARCH TEST and MEASUREMENT REPORT – Report No. 812441

NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

Prepared by: Ron Williams

Date Prepared: 9/10/82

Proofread and Cleared By:

J.H. Hennings, Foreman-Test Lab / R.E. Nightingale, Foreman-Measurement Lab — Signature — Date 9-15-82

C.E. Ritchie, Sr. Supervisor - Testing, Meas. & Mech. Analysis Lab — Signature — Date 9-14-82

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 812441

REPORT TITLE: New Design Trigger/Sear Block Evaluation

MODEL(S): 700 ADL

GAUGE OR CALIBER: 6MM Remington

DATE: 9/10/82

WORK ORDER NO.: C-1803-000

PART NAME: Trigger Assembly

DESIGNER/ENGINEER: F. Martin

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED _____
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: Static
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: 5

   NO. OF ROUNDS PER GUN 2,500

   TOTAL ROUNDS FIRED IN TEST: 12,500

   AMMO TYPE: MAGS. _____; TARGET: _____

   RIM FIRE _____ CENTER FIRE 6mm

REMINGTON ARMS COMPANY, INC.
Firearms Research Division

Report No. 812441

September 10, 1982

TO: J. H. Hennings

FROM: R. Williams

REPORT TITLE: NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

ABSTRACT:

A total of (5) M /700 Fire control assemblies with the New Design safety assemblies, were delivered to the Test Lab by Fred Martin for testing. This safety assembly blocks the trigger and the sear so that the firing pin won't fall when the trigger is held back while the safety switch is pushed from the safe to fire position. Both dry cycle and live fire endurance tests were used to test the assemblies. A M/700 fire control assembly (Current Production) was used as a control and (4) out of the (5) New Design assemblies were used in the test.

SCOPE OF TEST

To evaluate the functional performance of the New Design safety assembly, in the M/700 Rifle during lab testing.

TEST RESULTS

No functional problems arose during testing. Both the New Design safety and the control functioned normally. There was no significant change in the safe.On/Off forces measured before, during and after testing, on all the assemblies, including the control.

REPORT TEXT

All four (4) new trigger assemblies were subjected to the following trick test:

- Place Safety Switch in the Safe "On" position.
- Close the bolt.
- Put constant pressure on the trigger attempting to fire the rifle.
- Push the Safety Switch from the "On" position to the "Off" position.
- Does the firing pin fall?

All four (4) New Design Trigger Assemblies with the trigger /sear blocked passed this test. In all four (4) guns the firing pin did not fall.

NOTE: The measurements recorded for the Safe On/Off forces are questionable. There is no way to determine if they are within Remington Standards, because there are no standards written for these forces with this fire control assembly. The only Remington Standards written for Safe On/Off forces, pertain to the common fire control. That Standard is:

4 – 8 lbs. – One sharp click
Double click not allowed

The Safe On/Off forces measured in this test range from 5.25 lbs to 10.2 lbs. – almost a 5 lb. difference. (Refer to Appendix A, Data Sheets No. 1 – 5 for all Safe On/Off measurements).

TEST PROCEDURE

A. MEASUREMENTS

The following measurements were taken on the five rifles used in this test:

- Headspace
- Firing Pin Indent
- Trigger Pull
- Sear Lift
- Sear Engagement
- Safe On/Off Forces

B. TEST CONDITIONS

1. After every 20 rounds fired, the safety was checked. This was done by holding the trigger and pushing the safety switch from safe to fire.

2. After 1,000 rds. of live fire all the rifles were cleaned and they were remeasured. (Jack Shooting).

3. The rifles were then subjected to Safe On/Off dry cycle. Each rifle was cycled for 2,500 cycles, with Safe On/Off measurements taken every 500 cycles and Sear Lift and Engagement at the 2500 cycle level.

4. The rifles were then live-fired to the 2,000 round level. (Jack Shooting) Measurements were taken at this level.

TEST PROCEDURE – CONT'D.

5. The rifles were then subjected to another Safe On/Off dry cycle test. They were brought to the 5,000 cycle level. (2,500 additional cycles) Safe on/off measurements were taken every 500 cycles and sear lift and engagement wear measured at the 5,000 cycle level.

These same procedures were followed until live fire totaled 2,500 rounds per rifle and safe On/Off dry cycle totaled 7500 cycles per rifle.

C. AMMUNITION

Remington 80 grain Pointed Soft Point.

APPENDIX "A"

Report No. 81244

M-700 TRIGGER/SEAR BLOCK EVALUATION No. 1

Aug. 31, 1982 R. Williams

	1	2	3		4	5	6
M-700 KMMCAL. # A6752973 Sample No. 1	HEADSPACE	FIRING PIN IMPACT	SAFE (lbs) ON	SAFE (lbs) OFF	TRIGGER PULL (lbs)	SEAR LIFT	SEAR ENGAGEMENT
START OF TEST	Min. +.004"	.025"	6.2	6.0	4.0	.0105"	.035"
LIVE FIRE after 1,000 rds.	Min. +.004"	.025"	6.2	6.0	4.25		
DRY CYCLE							
500 cyc			5.5	8.6			
1000 cyc.			5.8	9.7			
1500 cyc.			5.7	9.5			
2000 cyc			5.5	8.7			
2500 cyc			5.7	9.3		.0105"	.035"
LIVE FIRE after 2,000 rds.	Min. +.004"	.025"	5.6	7.3	4.0	.0165"	.027"
DRY CYCLE							
3000 cyc.			6.2	9.3			
3500 cyc.			6.5	10.3			
4000 cyc.			5.7	9.2			
4500 cyc.			6.2	9.5			
5000 cyc.			6.2	9.7		.0165"	.027"
LIVE FIRE after 2500 rds HL	Min. +.004"	.025"	6.3	9.5	4.5		
DRY CYCLE							
5500 cyc			6.2	10.5	4.8		
6000 cyc.			6.2	10.0	4.6		
6500 cyc			6.2	8.8	4.6		
7000 cyc			6.0	7.8	4.8		
7500 cyc			6.2	9.8	4.6		

Report No. 81244
No. 2

M-700 TRIGGER/SEAR BLOCK EVALUATION

Aug. 31, 1982

R. Williams

M-700	6MM cal. #A6744819 Sample No. 2	1 Headspace	2 Firing Pin Indent	3 Safe (in lbs.) ON	3 Safe (in lbs.) OFF	4 Trigger Pull (in lbs.)	5 Sear Lift	6 Sear Engagement
	START OF TEST	Min. +.003"	.023"	6.5	5.3	4.3	.0135"	.026"
	LIVE FIRE after 1000 rds.	Min. -.004"	.024"	6.4	5.2	4.4		
	DRY CYCLE 500 cyc.			5.9	7.8			
	1000 cyc.			6.0	6.7			
	1500 cyc.			6.0	7.0			
	2000 cyc.			5.5	6.7			
	2500 cyc.			5.3	7.1		.015	.025
	LIVE FIRE after 2500 rds.	Min. +.004"	.023"	5.7	4.8	4.2	.014"	.029"
	DRY CYCLE 3000 cyc.			6.5	8.0			
	3500 cyc.			5.5	7.3			
	4000 cyc.			5.8	7.2			
	4500 cyc.			6.2	7.7			
	5000 cyc.			7.8	8.6		.018	.0285
	LIVE FIRE after 2500 rds. III.	Min. +.004"	.023"	5.8	4.5	4.7		
	DRY CYCLE 5500 cyc.			7.0	9.5	4.8		
	6000 cyc.			6.7	8.7	4.5		
	6500 cyc.			6.7	7.8	4.5		
	7000 cyc.			7.2	7.8	4.8		
	7500 cyc.			6.6	8.5	4.5		

Report No. 81244L

M-700 TRIGGER/SEAR BLOCK EVALUATION No. 3

Aug. 31, 1982 R. Williams

M-700	6MMcal. #A6744915 Sample No. 3	1 Headspace	2 Firing Pin Indent	3 Safe (in lbs) ON	3 Safe (in lbs) OFF	4 Trigger Pull (lb)	5 Sear Lift	6 Sear Engagement
	START OF TEST	Min. +.004"	.025"	9.	6.4	4.7	.015"	.025"
	LIVE FIRE after 1000 rds.	Min. +.004"	.026"	9.7	5.7	4.1		
	DRY CYCLE							
	500 cyc.			8.2	6.9			
	1,000 cyc.			8.3	7.0			
	1500 cyc.			8.8	6.3			
	2000 cyc.			9.2	7.0			
	2500 cyc.			9.8	6.0		.012"	.032"
	LIVE FIRE after 2000 rds.	Min. +.005"	.026"	10.2	5.2		.013"	.033"
	DRY CYCLE							
	3000 cyc.			8.5	8.5			
	3500 cyc.			9.2	7.2			
	4000 cyc.			9.2	9.0			
	4500 cyc.			8.7	9.7			
	5000 cyc.			9.5	2.2		.015"	.032"
	LIVE FIRE after 2500 rds. HL	Min. +.005"	.025"	9.8	5.2			
	DRY CYCLE							
	5500 cyc.			8.3	8.3			
	6000 cyc.			9.2	8.8			
	6500 cyc.			9.7	9.3			
	7000 cyc			8.5	12.0			
	7500 cyc			9.5	12.0			

Report No. 8124

M-700 TRIGGER / SEAR BLOCK EVALUATION No 4

Aug. 31, 1982. R. Williams

M-700	6MMCAL #6745544 Sample No. 4	1 Headspace	2 Firing Pin Indent	3 Safe (lbs) ON	3 Safe (lbs) OFF	4 Trigger Pull (lbs)	5 Sear Lift	6 Sear Engagement
	START OF TEST	Min+.002	.022	8.3	5.4	3.8	.018	.034
	LIVE FIRE after 1,000 rds	Min+.002	.022	6.8	5.2	4.0		
	DRY CYCLE							
	500 cyc.			7.7	7.7			
	1000 cyc.			7.8	7.5			
	1500 cyc.			6.8	7.3			
	2,000 cyc.			7.4	7.2			
	2500 cyc.			7.2	7.7		.017	.035
	LIVE FIRE after 2,000 rds.	Min+.003	.022	7.3	4.5	3.8	.0155	.035
	DRY CYCLE							
	3000 cyc.			6.7	8.7			
	3500 cyc.			7.5	7.7			
	4000 cyc.			7.7	6.7			
	4500 cyc.			7.5	7.7			
	5000 cyc.			7.7	6.8		.017	.036
	LIVE FIRE after 2,500 rds. HL	Min+.003	.022	8.8	4.3	4.5		
	DRY CYCLE							
	5500 cyc.			8.2	9.0	4.5		
	6000 cyc.			7.3	9.0	4.1		
	6500 cyc.			7.5	9.3	4.2		
	7000 cyc.			8.3	9.2	4.3		
	7500 cyc.			8.7	8.3	4.3		

REMINGTON ARMS COMPANY, INC.
Firearms Research Division

Report No. 812441

September 10, 1982

TO: J. H. Hennings

FROM: R. Williams

REPORT TITLE: NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

ABSTRACT:

A total of (5) M /700 Fire control assemblies with the New Design safety assemblies, were delivered to the Test Lab by Fred Martin for testing. This safety assembly blocks the trigger and the sear so that the firing pin won't fall when the trigger is held back while the safety switch is pushed from the safe to fire position. Both dry cycle and live fire endurance tests were used to test the assemblies. A M/700 fire control assembly (Current Production) was used as a control and (4) out of the (5) New Design assemblies were used in the test.

SCOPE OF TEST

To evaluate the functional performance of the New Design safety assembly, in the M/700 Rifle during lab testing.

T RESULTS

No functional problems arose during testing. Both the New Design safety and the control functioned normally. There was no significant change in the safe.On/Off forces measured before, during and after testing, on all the assemblies, including the control.

3 of 11

ORT TEXT

All four (4) new trigger assemblies were subjected to the following trick test:

- Place Safety Switch in the Safe "On" position.
- Close the bolt.
- Put constant pressure on the trigger attempting to fire the rifle.
- Push the Safety Switch from the "On" position to the "Off" position.
- Does the firing pin fall?

All four (4) New Design Trigger Assemblies with the trigger /sear blocked passed this test. In all four (4) guns the firing pin did not fall.

NOTE: The measurements recorded for the Safe On/Off forces are questionable. There is no way to determine if they are within Remington Standards, because there are no standards written for these forces with this fire control assembly. The only Remington Standards written for Safe On/Off forces, pertain to the common fire control. That Standard is:

4 – 8 lbs. – One sharp click
Double click not allowed

The Safe On/Off forces measured in this test range from 5.25 lbs to 10.2 lbs. – almost a 5 lb. differ-ei... (Refer to Appendix A, Data Sheets No. 1 – 5 for all Safe On/Off measurements).

TEST PROCEDURE

A. MEASUREMENTS

The following measurements were taken on the five rifles used in this test:

- Headspace
- Firing Pin Indent
- Trigger Pull
- Sear Lift
- Sear Engagement
- Safe On/Off Forces

B. TEST CONDITIONS

1. After every 20 rounds fired, the safety was checked. This was done by holding the trigger and pushing the safety switch from safe to fire.

2. After 1,000 rds. of live fire all the rifles were cleaned and they were remeasured. (Jack Shooting).

3. The rifles were then subjected to Safe On/Off dry cycle. Each rifle was cycled for 2,500 cycles, with Safe On/Off measurements taken every 500 cycles and Sear Lift and Engagement at the 2500 cycle level.

4. The rifles were then live-fired to the 2,000 round level. (Jack Shooting) Measurements were

T PROCEDURE – CONT'D.

5. The rifles were then subjected to another Safe On/Off dry cycle test. They were brought to the 5,000 cycle level. (2,500 additional cycles) Safe on/off measurements were taken every 500 cycles and sear lift and engagement wear measured at the 5,000 cycle level.

These same procedures were followed until live fire totaled 2,500 rounds per rifle and safe On/Off dry cycle totaled 7500 cycles per rifle.

C. AMMUNITION

Remington 80 grain Pointed Soft Point.

5 of 11

M-700 TRIGGER/SEAR BLOCK EVALUATION

Report No. [illegible]

Aug. 31, 1982

R. Williams

M-700 6MMCAL # A6752973 Sample No. 1	Headspace	Firing Pin Indent	Safe (lbs) ON	Safe (lbs) OFF	Trigger Pull (lbs)	Sear Lift	Sear Engagement
Start Of Test	MIN. + .004"	.025"	6.2	6.0	4.0	.0105"	.035"
Live Fire							
after 1,000 rds.	MIN. + .004"	.025"	6.2	6.8	4.25		
Dry Cycle							
500 cyc.			5.5	8.6			
1000 cyc.			5.8	9.7			
1500 cyc.			5.7	9.5			
2000 cyc.			5.5	8.7			
2500 cyc.			5.7	9.8		.0105"	.035"
Live Fire							
after 2000 rds.	MIN. + .004"	.025"	5.6	7.3	4.0	.0165"	.027"
Dry Cycle							
3000 cyc.			6.2	9.8			
3500 cyc.			6.5	10.8			
4000 cyc.			5.7	9.2			
4500 cyc.			6.2	9.5			
5000 cyc.			6.2	9.2		.0165"	.027"
			[illegible]				
Live Fire							
after 2500 rds. [illegible]	MIN. + .004"	.025"	6.3	[illegible].5	4.5		
Dry Cycle							
5500 cyc.			6.2	10.5	4.8		
6000 cyc.			6.2	10.0	4.6		
6500 cyc.			6.2	8.8	4.6		
7000 cyc.			6.0	7.8	4.8		
7500 cyc.			6.2	9.8	4.6		

Report No. 81248

M-700 TRIGGER/SEAR BLOCK EVALUATION

Aug. 31, 1982 — R. Williams

M-700	6MM cal. #A6744869 Sample No. 2	1 Headspace	2 Firing Pin Indent	3 Safe (in lbs.) ON	3 Safe (in lbs.) OFF	4 Trigger Pull (in lbs.)	5 Sear Left	6 Sear Engagement
	START OF TEST	Min + .003"	.1033"	6.5	5.3	4.3	.0185"	.0226"
	LIVE FIRE after 1000 rds.	Min + .004"	.1024"	6.4	8.2	4.4		
	DRY CYCLE 500 cyc			5.9	7.8			
	1000 cyc			6.0	6.7			
	1500 cyc			6.0	7.0			
	2000 cyc			5.5	6.7			
	2500 cyc			5.8	7.7		.015"	.0245"
	LIVE FIRE after 2000 rds	Min + .004"	.1023"	5.7	7.8	4.2	.014"	.0229"
	DRY CYCLE 3000 cyc			6.5	8.0			
	3500 cyc			5.5	7.3			
	4000 cyc			5.8	7.2			
	4500 cyc			6.2	7.7			
	5000 cyc			7.8	8.0		.018"	.0226"
	LIVE FIRE after 2500 rds III	Min + .004"	.1026"	5.8	7.5	4.7		
	DRY CYCLE 5500 cyc			7.0	9.5	4.8		
	6000 cyc			6.7	8.7	4.5		
	6500 cyc			6.7	7.8	4.5		
	7000 cyc			7.2	7.8	4.8		
	7500 cyc			6.6	8.5	4.5		

CONFIDENTIAL Pursuant to Protective order entered in Isachalls v. Remington Inc., et al., Supreme Court of the State of New York, County of Westchester, Index No. 93

Report No. 8124FE

M-700 TRIGGER/SEAR BLOCK EVALUATION

Aug. 31, 1982

R. Williams

M-700	6MMRem. # A6744915 Sample No. 3:	1 HEADSPACE	2 FIRING PIN IMPACT	3 SAFE (inches) ON	3 SAFE (inches) OFF	4 TRIGGER PULL (lbs)	5 SEAR LIFT	6 SEAR ENGAGEMENT
	START OF TEST	Min. +.004"	.025"	9.1	6.4	4.7	.015"	.025"
	LIVE FIRE after 1000 rds.	Min. +.004"	.026"	9.4	6.5	4.1		
	DRY CYCLE 500 cyc			8.2	6.9			
	1000 cyc			8.3	7.0			
	1500 cyc			8.8	6.3			
	2000 cyc			9.2	7.0			
	2500 cyc			9.8	6.0		.012"	.032"
	LIVE FIRE after 2000 rds	Min. +.005"	.026"	10.2	6.2		.013"	.033"
	DRY CYCLE 3000 cyc			8.5	8.5			
	3500 cyc			9.2	7.2			
	4000 cyc			9.2	9.0			
	4500 cyc			8.7	9.7			
	5000 cyc			9.5	12.2		.015"	.032"
						6 lbs		
	LIVE FIRE after 2500 rds	Min. +.005"	.026"	9.8	5.2			
	DRY CYCLE 5500 cyc			8.3	8.3			
	6000 cyc			9.2	8.8			
	6500 cyc			9.7	9.8			
	7000 cyc			8.5	12.0			
	7500 cyc			9.5	12.0			

Report No. 8134

M-700 TRIGGER/SEAR BLOCK EVALUATION No. 4

Aug. 31, 1982 — K. Williams

M-700	6MM CAL #8745544 Sample No. 4	1 Headspace	2 Firing Pin Indent	3 Safe (lbs) ON	3 Safe (lbs) OFF	4 Trigger Pull (lbs)	5 Sear Lift	6 Sear Engagement
	START OF TEST	MIN+.002	.022	8.3	5.4	3.8	.018	.054
	LIVE FIRE after 1,000 rds.	MIN+.002	.022	6.8	5.1	4.0		
	DRY CYCLE 500 cyc.			7.7	7.7			
	1000 cyc.			7.8	7.5			
	1500 cyc.			6.8	7.3			
	2,000 cyc.			7.8	7.2			
	2500 cyc.			7.2	7.7		.017	.052
	LIVE FIRE after 2,000 rds.	MIN+.003	.022	7.3	4.5	3.8	.0165	.035
	DRY CYCLE 3000 cyc.			6.7	8.7			
	3500 cyc.			7.5	7.7			
	4000 cyc.			7.7	6.7			
	4500 cyc.			7.5	7.7			
	5000 cyc.			7.7	6.8		.017	.036
	LIVE FIRE after 5 mds. HH	MIN+.003	.022	8.8	4.3	4.3		
	DRY CYCLE 5500 cyc.			8.2	9.0	4.5		
	6000 cyc.			7.3	9.0	4.1		
	6500 cyc.			7.5	9.3	4.2		
	7000 cyc.			8.3	9.2	4.3		
	7500 cyc.			8.7	8.3	4.3		

Report No. 8644

M-700 TRIGGER / SEAR BLOCK EVALUATION

Aug. 31, 1982

R. Lee Ermey

M-700	6MM CAL. #6747525 Sample No. 5 Control Gun	Headspace	Firing Pin Impression	Safety (lbs) ON	Safety (lbs) OFF	Trigger Pull (lbs)	Sear Left	Sear Engagement
	START OF TEST	Min+.003	.025	5.2	5.2	4.2	.018	.020
	LIVE FIRE after 1,000 rds.	Min+.003	.025	5.5	5.2	4.0		
	DRY CYCLE							
	500 cyc.			6.3	7.6			
	1000 cyc.			5.6	8.3			
	1500 cyc.			5.8	7.8			
	2000 cyc.			6.1	8.5			
	2500 cyc.			5.1	8.3		.021	.020
	LIVE FIRE after 2,000 rds.	Min+.003	.025	5.5	5.1	4.5	.020	.020
	DRY CYCLE							
	3,000 cyc.			6.6	8.1			
	3500 cyc.			6.8	8.1			
	4000 cyc.			6.1	7.6			
	4500 cyc.			6.1	7.3			
	5000 cyc.			6.0	6.5		.020	.020
	LIVE FIRE after 2,500 rds. tk.	Min+.003	.025	5.1	4.8	5.1		
	DRY CYCLE							
	5500 cyc.			6.1	8.0	4.7		
	6000 cyc.			6.1	8.0	4.6		
	6500 cyc.			7.0	8.5	4.6		
	7000 cyc.			6.8	8.1	4.7		
	7500 cyc.			6.3	7.6	4.8		
							.020	

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 700 ADL Trigger/Sear [redacted] eval.

CALIBER OR GAUGE 6 MM

DATE	TEST	TESTER	PAGE NO.
3/17/82	Preliminary Measurement Trigger Pull, F.P. Indent Sear lift, Sear Engagement, Safe Off & ON Forces Head Space		
3-19-82	Fire 1,000 rounds per Rifle.		
3-19-82	Clean & inspect.		
3-22-82	Fire another 1,000 rounds per Rifle. Check safety on-off after every 20 rounds. Gun #1 A6752973 extractor failed 1,660 rounds		
	Operate and try Safety after every 20 Round.		
3-24-82	Fire another 500 Rounds and 2,500 dry cycle, take safe on and off and trigger pull. Check safety on-off after 20 rounds. Total rounds fired per gun 2,500 Total dry cycle 7,500 per gun.		