

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 9 August, 2000	Tracking #: TLW 0250
Project #: 241095	Engineer: KEENEY, M.
Test Objective: Conduct Pre-DAT test procedures on five rifles from Mayfield	
Test Description: Perform the following: 1. Measurements: Trigger Pull; Sear Engagement, Sear/Firing Pin Head Engagement, Headspace and Chamber Casts. 2. SAAMI Jar-Off Testing (all five rifles) 4 with iron sights, 1 with "substitute scope" 3. 100 round function test (with 5 types of ammo if possible) 4. Accuracy at 100 yards. 5. Dry Cycle on ISS system. 6. Two rifles through SAAMI Jar-Off Testing with Sear/Firing Pin Head engagement set at min. engagement. 7. Extended SAAMI Jar-Off Test 8. Other tests as deemed necessary to characterize product.	
Resource Usage: Manpower Requirements - 2 Techs. Facility Requirements -	Test Results Required: Formal Report: Data Only: x Requested Completion Date: 15 Aug 2000
Required Materials/Parts/Equipment (include quantities):	
Test Parts Availability Date: 9 August, 2000	
Start Date: 8-9-00 Completion Date: 9-1-00 Report Date:	Test Assigned To: Jesse Aronld Assignment Date: 08/10/00

ET08577

PRE-DAT TEST ON FIVE RIFLES FROM MAYFIELD.

TLW 0250

PROJECT# 241095

ADJUSTED

ADJUSTED

GUN	HEAD SPACE	ENGAGEMENT	ENGAGEMENT	TRIGGER PULL	TRIGGER PULL
71001041	0.001	0.0296	0.0197	4.083	4
71001013	0.001	0.0259	0.0194	4.416	4
71001047	MIN	0.0295	0.0193	4.416	4
71001414	0.001	0.022	0.0207	2.75	4
71001032	0.001	0.0356	0.0201	4.416	4

SAAMI JAR-OFF TEST

GUN

71001041	PASSED ALL JAR-OFF DROPS AT 12" / WITH IRON SIGHTS
71001013	PASSED ALL JAR-OFF DROPS AT 12" / WITH IRON SIGHTS
71001047	PASSED ALL JAR-OFF DROPS AT 12" / WITH IRON SIGHTS
71001414	WITH SCOPE MOUNTED GUN FIRED AT 12" BARREL HORIZONTAL, BOTTOM OF STOCK UP.
71001032	PASSED ALL JAR-OFF DROPS AT 12" / WITH IRON SIGHTS

**DROPPED 4 GUNS AT 12,24,36,48" BARREL HORIZONTAL BOTTOM OF STOCK UP
AND BOTTOM OF STOCK DOWN. SAFETY IN THE ON POSITION.**

GUN

71001013	PASSED ALL DROPS.
71001032	PASSED ALL DROPS.
71001041	PASSED ALL DROPS.
71001047	PASSED ALL DROPS.

83

ET08578

M/710 SERIAL# 71001041

ACCURACY 100 YARDS

ALUMINUM STOCK

AMMO	GROUP#1	GROUP#2	GROUP#3	GROUP#4	GROUP#5	AVERAGE
REM R30062 150GR	2.303	3.196	2.865	2.767	2.323	2.6908
REM R30064 180GR	2.06	1.417	2.571	2.751	1.931	2.146

CONFIDENTIAL 83

ET08579

Confidential - Subject to Protective Order
Williams v. Remington

M/710 SERIAL# 71001041
ACCURACY 100 YARDS

AMMO	GROUP#1	GROUP#2	GROUP#3	GROUP#4	GROUP#5	AVERAGE
REM R30062 150GR	2.073	4.966	3.344	1.955	2.025	2.8726
REM R30064 180GR	1.224	1.206	1.461	2.236	1.524	1.5302

CONFIDENTIAL 83

ET08580

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Williams v. Remington

M710 SERIAR# 71001041

ACCURACY 100 YARDS

ALUMINUM STOCK. BARREL CROWNED

AMMO	GROUP#1	GROUP#2	GROUP#3	GROUP#4	GROUP#5	AVERAGE
REM R30062 150GR	2.316	2.429	2.834	2.7	2.154	2.4866
REM R30064 180GR	1.399	1.029	1.618	0.91	1.734	1.338

CONFIDENTIAL 83

ET08581

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Williams v. Remington

147/710 Proof Test

Serial # 71001041 (ST-1)

Head space t.001

(1) Proof Rd

Head space t.001

Serial # 71001047 (ST-3)

(2) Head space t.002

(1) Proof Rd

Head space t.003

83

ET08582

GUN - 71001041
DATE - 8-16-00
SHOOTER - Jerr e

M/710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW/0250

AMMO TYPE - Rem 1230062 15062		LOT# - 0010014	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

NOTE: MAG Box very
Hard To Get Seated/Latched
in Gun

Page 1

TOTAL RDS - 100

ET08583

GUN - 71001041
DATE - 8-16-00
SHOOTER - Jesse

M710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

100

AMMO TYPE - Rem R30064 180GR		LOT# - C03SC26	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

MAG But Came Apart

At Stem Low

GUN - 71001041
DATE - 8-16-00
SHOOTER - Test 2

M/710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

200

AMMO TYPE - Rem 230064 1806M		LOT# - C015C25	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

ET08585

21-21
GUN - 71001041
DATE - 8-16-00
SHOOTER - Jell

M/710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

300

AMMO TYPE - Rem R30062 150 GR		LOT# - D06 UA13	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

NO BOLT OVER RDS

83

TOTAL RDS - 400

ET08586

GUN - 71001047
DATE - 8-16-00
SHOOTER - Jesse

M710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

AMMO TYPE - Rem 30062 150 GR			LOT# - D01-0014		
MALFUNCTIONS			MALFUNCTIONS		
1	1	Bolt over R. side	51	3	
2	2	Mag was not seated	52	4	✓
3	3		53	1	
4	4	✓	54	2	
5	1		55	3	
6	2		56	4	✓
7	3	✓	57	1	
8	4		58	2	
9	1		59	3	
10	2		60	4	✓
11	3		61	1	
12	4	✓	62	2	
13	1		63	3	✓
14	2		64	4	✓
15	3	MAG BOX Come Apart	65	1	
16	4		66	2	
17	1		67	3	
18	2		68	4	✓
19	3		69	1	
20	4	✓	70	2	
21	1		71	3	✓
22	2		72	4	✓
23	3		73	1	
24	4	✓	74	2	
25	1		75	3	
26	2		76	4	✓
27	3		77	1	
28	4	✓	78	2	
29	1		79	3	
30	2		80	4	✓
31	3		81	1	
32	4	✓	82	2	
33	1		83	3	
34	2		84	4	✓
35	3		85	1	
36	4	✓	86	2	
37	1		87	3	
38	2		88	4	✓
39	3		89	1	
40	4	✓	90	2	
41	1		91	3	
42	2		92	4	✓
43	3	✓	93	1	
44	4	✓	94	2	
45	1		95	3	
46	2		96	4	✓
47	3	✓	97	1	
48	4	✓	98	2	
49	1		99	3	
50	2		100	4	✓

ST-3

GUN - 71001047
 DATE - 8-16-00
 SHOOTER - JJJ c

M710
 BASIC JACK FUNCTION
 TEST

PROJECT# 241095
 TLW 0250

100

AMMO TYPE - Rem R30064 180 Gm			LOT# - C035C 26		
MALFUNCTIONS			MALFUNCTIONS		
1	1		51	3	
2	2		52	4	✓
3	3		53	1	
4	4	✓	54	2	
5	1		55	3	
6	2		56	4	✓
7	3		57	1	
8	4	✓	58	2	
9	1		59	3	
10	2		60	4	✓
11	3		61	1	
12	4	✓	62	2	
13	1		63	3	
14	2		64	4	✓
15	3		65	1	
16	4	✓	66	2	
17	1		67	3	
18	2		68	4	✓
19	3		69	1	
20	4	✓	70	2	
21	1		71	3	
22	2		72	4	✓
23	3		73	1	
24	4	✓	74	2	
25	1		75	3	
26	2		76	4	✓
27	3		77	1	
28	4	✓	78	2	
29	1		79	3	
30	2		80	4	✓
31	3		81	1	
32	4	✓	82	2	
33	1		83	3	
34	2		84	4	✓
35	3		85	1	
36	4	✓	86	2	
37	1		87	3	
38	2		88	4	✓
39	3		89	1	
40	4	✓	90	2	
41	1		91	3	
42	2	WALK BOLT over Ride	92	4	✓
43	3		93	1	
44	4	✓	94	2	
45	1		95	3	
46	2		96	4	✓
47	3		97	1	
48	4	✓	98	2	
49	1		99	3	
50	2		100	4	✓

ET08588

GUN - 71001047
DATE - 8-16-00
SHOOTER - Jelle

M710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

200

AMMO TYPE - Rem 30064 180 GR		LOT# - C01SC29	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

GUN - 71001047
DATE - 8-16-00
SHOOTER - JES

M/710
BASIC JACK FUNCTION
TEST

PROJECT# 241095
TLW 0250

300

AMMO TYPE - Rem R30062 150 GR		LOT# - 006 UA 13	
MALFUNCTIONS		MALFUNCTIONS	
1	1	51	3
2	2	52	4
3	3	53	1
4	4	54	2
5	1	55	3
6	2	56	4
7	3	57	1
8	4	58	2
9	1	59	3
10	2	60	4
11	3	61	1
12	4	62	2
13	1	63	3
14	2	64	4
15	3	65	1
16	4	66	2
17	1	67	3
18	2	68	4
19	3	69	1
20	4	70	2
21	1	71	3
22	2	72	4
23	3	73	1
24	4	74	2
25	1	75	3
26	2	76	4
27	3	77	1
28	4	78	2
29	1	79	3
30	2	80	4
31	3	81	1
32	4	82	2
33	1	83	3
34	2	84	4
35	3	85	1
36	4	86	2
37	1	87	3
38	2	88	4
39	3	89	1
40	4	90	2
41	1	91	3
42	2	92	4
43	3	93	1
44	4	94	2
45	1	95	3
46	2	96	4
47	3	97	1
48	4	98	2
49	1	99	3
50	2	100	4

83

400
TOTAL RDS -

ET08590