

Test Lab Work Request Form

Date Submitted: 19 May, 1999	Tracking #: TLW 9142G
Project #: 241095	Engineer: SNEDEKER, J.R.
Test Objective: COMPLETE 100 STANDARD PROOF TEST ON EACH OF THE M/710 EET SAMPLE RIFLES SUBMITTED FOR EVALUATION ON 18 MAY '99.	
Test Description: 1. Measure and record head-space on each sample rifle before the start of the 100 round proof test and then before and after <u>each</u> of the first ten (10), .30-06 Cal. Proof round is fired in each of the sample rifles. Examine each of the sample rifles after each of the first 10 proof rounds for damage per standard proof round procedure. *(see note below) 2. Measure and record head-space on each sample rifle before and after each tenth (10th) proof round after the first ten rounds are completed, i.e., at round 20, 30, 40, & 50 rounds. Examine each of the sample rifles after each of the 10 proof rounds for damage per standard proof round procedure. *(see note below) 3. Finally, measure and record head-space on each sample rifle before and after the completion of the one hundredth (100th) round. Examine each of the sample rifles after completion of the 100th proof round for damage per standard proof round procedure. *(see note below) 4. Use a lanyard for all proof rounds and use extreme caution, comply with all safety procedures used when proofing firearms.	
Note: <u>Procedure for examination after firing a proof round.</u> <i>Examine rifle for any signs of damage especially in the chamber area, on the bolt lugs, bolt face, extractor, or ejector. Examine locking lug area in the barrel/receiver area for any indication of cracking or swelling of material. Note anything of an unusual nature. Check the firing pins for damage to the tip or for any indication of set-back due to high pressure. Look for any indication of swelling in the chamber area of the barrel.</i>	
Resource Usage: Manpower Requirements - 1 technician Facility Requirements -	Test Results Required: Formal Report: Data Only: X REQUESTED Completion Date: 28 May '99
Required Materials/Parts/Equipment (include quantities): Graduated Head-space gauges for .30-06 caliber, 800 proof rounds	
Test Parts Availability Date: 18 May '99	
Start Date: 5/19/99 Completion Date: 5/26/99 Report Date:	Test Assigned To: Jeff Wade 5/19/99



ET09930

GUN# YC 1052
BARBER - 5.22.06 0002959
DATE- 5.20.99
SHOOTER- Jeff

M710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

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AMMO		REM	PRF	30-06	LOT#		F21G	CO S26
MALFUNCTIONS				INS.	MALFUNCTIONS			
1	1	HEADSPACE	MIN +	.002 ✓	51	1		
2	2	HEADSPACE		.002 ✓	52	2		
3	3	HEADSPACE		.002 ✓	53	3		
4	4	HEADSPACE		.003 ✓	54	4		
5	5	HEADSPACE		.003 ✓	55	5		
6	6	HEADSPACE		.003 ✓	56	6		
7	7	HEADSPACE		.003 ✓	57	7		
8	8	HEADSPACE		.003 ✓	58	8		
9	9	HEADSPACE		.003 ✓	59	9		
10	10	HEADSPACE ✓		.003 ✓	60	10	✓	
11	1				61	1		
12	2				62	2		
13	3				63	3		
14	4				64	4		
15	5				65	5		
16	6				66	6		
17	7				67	7		
18	8				68	8		
19	9				69	9		
20	10	HEADSPACE ✓		.003 ✓	70	10	✓	
21	1	Sear pin fell out of fire control - replaced			71	1		
22	2				72	2		
23	3				73	3		
24	4				74	4		
25	5				75	5		
26	6				76	6		
27	7				77	7		
28	8				78	8		
29	9				79	9		
30	10	HEADSPACE ✓		.003 ✓	80	10	✓	
31	1				81	1		
32	2				82	2		
33	3				83	3		
34	4				84	4		
35	5				85	5		
36	6				86	6		
37	7				87	7		
38	8				88	8		
39	9				89	9		
40	10	HEADSPACE ✓		.003 ✓	90	10	✓	
41	1				91	1		
42	2				92	2		
43	3				93	3		
44	4				94	4		
45	5				95	5		
46	6				96	6		
47	7				97	7		
48	8				98	8		
49	9				99	9		
50	10	HEADSPACE ✓		.004 ✓	100	10	HEADSPACE ✓	.004

INS. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor / 100
bolt lugs

ET09931

DATE 5-20-99

SHOOTER JH

AMMO	REM	PRF 30-06	LOT# F21G C0526
		MALFUNCTIONS	INS.
1	1	HEADSPACE MIN + .003	✓
2	2	HEADSPACE .003	✓
3	3	HEADSPACE .003	✓
4	4	HEADSPACE .003	✓
5	5	HEADSPACE Misfire .003	✓
6	6	HEADSPACE .003	✓
7	7	HEADSPACE .003	✓
8	8	HEADSPACE .003	✓
9	9	HEADSPACE .003	✓
10	10	HEADSPACE ✓ .003	✓
11	1		
12	2		
13	3		
14	4		
15	5	Misfire	
16	6		
17	7		
18	8		
19	9		
20	10	HEADSPACE ✓ .004	✓
21	1		
22	2		
23	3		
24	4		
25	5		
26	6		
27	7		
28	8		
29	9		
30	10	HEADSPACE ✓ 1004	✓
31	1		
32	2		
33	3		
34	4		
35	5		
36	6		
37	7		
38	8		
39	9		
40	10	HEADSPACE ✓ 1004	✓
41	1	Sear pin fell out of fire	
42	2	Control - replaced	
43	3		
44	4	✓	
45	5		
46	6		
47	7		
48	8		
49	9		
50	10	HEADSPACE ✓ .004	✓
51	1		
52	2		
53	3		
54	4		
55	5		
56	6		
57	7		
58	8		
59	9		
60	10	HEADSPACE ✓ .004	✓
61	1		
62	2		
63	3		
64	4		
65	5		
66	6		
67	7		
68	8		
69	9		
70	10	HEADSPACE ✓ .004	✓
71	1		
72	2		
73	3		
74	4		
75	5		
76	6		
77	7		
78	8		
79	9		
80	10	HEADSPACE ✓ .004	✓
81	1		
82	2		
83	3		
84	4		
85	5		
86	6		
87	7		
88	8		
89	9		
90	10	HEADSPACE ✓ .004	✓
91	1		
92	2		
93	3		
94	4		
95	5		
96	6		
97	7		
98	8		
99	9		
100	10	HEADSPACE ✓ .004	✓

INS. = Inspected w/ bore scope
Misfire - 2 chamber, lugs

Look at firing pins, extractor bolt lugs

ET09932

GUN # YF 1055
BARBER - 5.22.06r0002961
DATE- 5-20-99
SHOOTER- JH

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO		REM	PRF	30-06	LOT #	F21G C0526
		MALFUNCTIONS			MALFUNCTIONS	
		MIN + .001			INS.	
1	1	HEADSPACE			51	1
2	2	HEADSPACE			52	2
3	3	HEADSPACE			53	3
4	4	HEADSPACE			54	4
5	5	HEADSPACE			55	5
6	6	HEADSPACE			56	6
7	7	HEADSPACE			57	7
8	8	HEADSPACE			58	8
9	9	HEADSPACE			59	9
10	10	HEADSPACE	✓	1.001	✓	60 10
11	1				61	1
12	2				62	2
13	3				63	3
14	4				64	4
15	5				65	5
16	6				66	6
17	7				67	7
18	8				68	8
19	9				69	9
20	10	HEADSPACE	✓	.001	✓	70 10
21	1				71	1
22	2				72	2
23	3				73	3
24	4				74	4
25	5				75	5
26	6				76	6
27	7				77	7
28	8				78	8
29	9				79	9
30	10	HEADSPACE	✓	.002	✓	80 10
31	1				81	1
32	2				82	2
33	3				83	3
34	4				84	4
35	5				85	5
36	6				86	6
37	7				87	7
38	8				88	8
39	9				89	9
40	10	HEADSPACE	✓	.002	✓	90 10
41	1				91	1
42	2				92	2
43	3				93	3
44	4				94	4
45	5				95	5
46	6				96	6
47	7				97	7
48	8				98	8
49	9				99	9
50	10	HEADSPACE	✓	.003	✓	100 10 HEADSPACE ✓ .003

Ins. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor
bolt lugs

ET09933

DATE- 5-20-99

SHOOTER- JH

AMMO		REM	PRF 30-06	LOT #		D 17C A0726
		MALFUNCTIONS				
			INS.			
1	1	HEADSPACE	MIN + .002 ✓	51	1	
2	2	HEADSPACE	.002 ✓	52	2	
3	3	HEADSPACE	.002 ✓	53	3	
4	4	HEADSPACE	.002 ✓	54	4	
5	5	HEADSPACE	.002 ✓	55	5	
6	6	HEADSPACE	.002 ✓	56	6	
7	7	HEADSPACE	.002 ✓	57	7	
8	8	HEADSPACE	.003 ✓	58	8	
9	9	HEADSPACE	.003 ✓	59	9	
10	10	HEADSPACE ✓	.003 ✓	60	10	✓
11	1			61	1	
12	2			62	2	
13	3			63	3	
14	4			64	4	
15	5			65	5	
16	6			66	6	
17	7			67	7	
18	8			68	8	
19	9			69	9	
20	10	HEADSPACE ✓	.003 ✓	70	10	✓
21	1			71	1	
22	2			72	2	
23	3			73	3	
24	4			74	4	
25	5			75	5	
26	6			76	6	
27	7			77	7	
28	8			78	8	
29	9			79	9	
30	10	HEADSPACE ✓	.003 ✓	80	10	✓
31	1	Sear pin fell out of fire control - nut came loose in screw - trigger pin loose - trigger fell out		81	1	
32	2			82	2	
33	3			83	3	
34	4			84	4	
35	5			85	5	
36	6			86	6	
37	7			87	7	
38	8			88	8	
39	9			89	9	
40	10	HEADSPACE ✓	.003 ✓	90	10	✓
41	1			91	1	
42	2			92	2	
43	3			93	3	
44	4			94	4	
45	5			95	5	
46	6			96	6	
47	7			97	7	
48	8			98	8	
49	9			99	9	
50	10	HEADSPACE	.004 ✓	100	10	HEADSPACE ✓ .004

Ins. = Inspected w/ bore scope chamber, lugs

Look at firing pin, extractor belt lugs

ET09934

DATE- 5-20-99

100 ROUND PROOF TEST

PROJECT # 241095

SHOOTER- JH

AMMO Rem PRF30-06				LOT# F21G C0526			
		MALFUNCTIONS	INS.			MALFUNCTIONS	
1	1	HEADSPACE		51	1		
2	2	HEADSPACE		52	2		
3	3	HEADSPACE		53	3		
4	4	HEADSPACE		54	4		
5	5	HEADSPACE		55	5		
6	6	HEADSPACE		56	6		
7	7	HEADSPACE		57	7		
8	8	HEADSPACE		58	8		
9	9	HEADSPACE		59	9		
10	10	HEADSPACE		60	10		
11	1			61	1		
12	2			62	2		
13	3			63	3		
14	4			64	4		
15	5			65	5		
16	6			66	6		
17	7			67	7		
18	8			68	8		
19	9			69	9		
20	10	HEADSPACE		70	10		
21	1			71	1		
22	2			72	2		
23	3			73	3		
24	4			74	4		
25	5			75	5		
26	6			76	6		
27	7			77	7		
28	8			78	8		
29	9			79	9		
30	10	HEADSPACE		80	10		
31	1			81	1		
32	2			82	2		
33	3			83	3		
34	4			84	4		
35	5			85	5		
36	6			86	6		
37	7			87	7		
38	8			88	8		
39	9			89	9		
40	10	HEADSPACE		90	10		
41	1			91	1		
42	2			92	2		
43	3			93	3		
44	4			94	4		
45	5			95	5		
46	6			96	6		
47	7			97	7		
48	8			98	8		
49	9			99	9		
50	10	HEADSPACE		100	10	HEADSPACE	

INS. = Inspected w/ bore scope
chamber, lugs

look at firing pin, extractor
bolt lugs

ET09935

GUNBARBER - 5:22:06r0002964
DATE: 5-20-99
SHOOTER- JH

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO PRF 30.00 REM				LOT # F216 C0526			
MALFUNCTIONS				MALFUNCTIONS			
			INS.				
1	1	HEADSPACE	MIN + .003 ✓	51	1		
2	2	HEADSPACE	.003 ✓	52	2		
3	3	HEADSPACE	.003 ✓	53	3		
4	4	HEADSPACE	.003 ✓	54	4		
5	5	HEADSPACE	.003 ✓	55	5		
6	6	HEADSPACE	.003 ✓	56	6		
7	7	HEADSPACE	.003 ✓	57	7		
8	8	HEADSPACE	.003 ✓	58	8		
9	9	HEADSPACE	.003 ✓	59	9		
10	10	HEADSPACE ✓	.003 ✓	60	10		
11	1			61	1		
12	2			62	2		
13	3			63	3		
14	4			64	4		
15	5			65	5		
16	6			66	6		
17	7			67	7		
18	8			68	8		
19	9			69	9		
20	10	HEADSPACE ✓	.003 ✓	70	10		
21	1	Scar pin fell out of fire control - replaced		71	1		
22	2			72	2		
23	3			73	3		
24	4			74	4		
25	5			75	5		
26	6			76	6		
27	7			77	7		
28	8			78	8		
29	9			79	9		
30	10	HEADSPACE ✓	.003 ✓	80	10		
31	1			81	1		
32	2			82	2		
33	3			83	3		
34	4			84	4		
35	5			85	5		
36	6			86	6		
37	7			87	7		
38	8			88	8		
39	9			89	9		
40	10	HEADSPACE ✓	.004 ✓	90	10		
41	1			91	1		
42	2			92	2		
43	3			93	3		
44	4			94	4		
45	5			95	5		
46	6	Broken spring connector in fire control replaced w/ one out of 1062		96	6		
47	7			97	7		
48	8			98	8		
49	9			99	9		
50	10	HEADSPACE ✓	.004 ✓	100	10	HEADSPACE ✓	.004

INS. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor
bolt lugs

ET09936

DATE- 5-20-98

SHOOTER- Jefe

AMMO REM		PRF 30.06		LOT # F21G C0526	
		MALFUNCTIONS		MALFUNCTIONS	
			INS.		
1	1	HEADSPACE	MIN +.002 ✓	51	1
2	2	HEADSPACE	.003 ✓	52	2
3	3	HEADSPACE	.003 ✓	53	3
4	4	HEADSPACE	.003 ✓	54	4
5	5	HEADSPACE	.003 ✓	55	5
6	6	HEADSPACE	.003 ✓	56	6
7	7	HEADSPACE	.003 ✓	57	7
8	8	HEADSPACE	.003 ✓	58	8
9	9	HEADSPACE	.003 ✓	59	9
10	10	HEADSPACE ✓	.003 ✓	60	10 ✓
11	1			61	1
12	2			62	2
13	3			63	3
14	4			64	4
15	5			65	5
16	6			66	6
17	7			67	7
18	8			68	8
19	9			69	9
20	10	HEADSPACE ✓	.003 ✓	70	10 ✓
21	1			71	1
22	2			72	2
23	3			73	3
24	4			74	4
25	5			75	5
26	6			76	6
27	7			77	7
28	8			78	8
29	9			79	9
30	10	HEADSPACE ✓	.004 ✓	80	10 ✓
31	1			81	1
32	2			82	2
33	3			83	3
34	4			84	4
35	5			85	5
36	6			86	6
37	7			87	7
38	8			88	8
39	9			89	9
40	10	HEADSPACE ✓	.004 ✓	90	10 ✓
41	1			91	1
42	2			92	2
43	3			93	3
44	4			94	4
45	5			95	5
46	6			96	6
47	7			97	7
48	8			98	8
49	9			99	9
50	10	HEADSPACE ✓	.004 ✓	100	10 HEADSPACE ✓ .004

Ins: Inspected w/ bore scope - look at firing pin, extractor chamber, lugs bolt lugs

ET09937

DATE- 5-20-99

SHOOTER- JH

AMMO	REM	PRF	30-06	LOT #	F21G C0526
MALFUNCTIONS				INS.	
MALFUNCTIONS				MALFUNCTIONS	
1	1	HEADSPACE	MIN + .001	✓	51 1
2	2	HEADSPACE	.001	✓	52 2
3	3	HEADSPACE	.001	✓	53 3
4	4	HEADSPACE	.001	✓	54 4
5	5	HEADSPACE	.001	✓	55 5
6	6	HEADSPACE	.001	✓	56 6
7	7	HEADSPACE	.001	✓	57 7
8	8	HEADSPACE	.001	✓	58 8
9	9	HEADSPACE	.001	✓	59 9
10	10	HEADSPACE	.001	✓	60 10
11	1				61 1
12	2				62 2
13	3				63 3
14	4				64 4
15	5				65 5
16	6				66 6
17	7				67 7
18	8				68 8
19	9				69 9
20	10	HEADSPACE	.001	✓	70 10
21	1				71 1
22	2				72 2
23	3				73 3
24	4				74 4
25	5				75 5
26	6				76 6
27	7				77 7
28	8				78 8
29	9				79 9
30	10	HEADSPACE	.002	✓	80 10
31	1				81 1
32	2				82 2
33	3				83 3
34	4				84 4
35	5				85 5
36	6				86 6
37	7				87 7
38	8				88 8
39	9				89 9
40	10	HEADSPACE	.002	✓	90 10
41	1				91 1
42	2				92 2
43	3				93 3
44	4				94 4
45	5				95 5
46	6				96 6
47	7				97 7
48	8				98 8
49	9				99 9
50	10	HEADSPACE	.002	✓	100 10

Ins. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor
bolt lugs

ET09938