

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



ET09479

GUN# - XC 1052
DATE - 5-22-06
SHOOTER - Jeff

M710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO	Rem	PRF	30-06	LOT#	F21G COS 26
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
bolt lugs

ET09480

GUN # BARBER 5.22.06r0002886
DATE- 5-20-99
SHOOTER- JH

M710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO		REM	PRF 30-06	LOT #		F21G C0526
		MALFUNCTIONS		INS.		MALFUNCTIONS
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	Misfire			65	5
16	6				66	6
17	7				67	7
18	8				68	8
19	9				69	9
20	10	HEADSPACE ✓	.004	✓	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	Sear pin fell out of fire			91	1
42	2	Central - replaced			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
Misfire - 2 chamber, lugs

Look at firing pins, extractor
bolt lugs

ET09481

GUN # XC 1055
DATE- 5-18-99
SHOOTER- JH

M710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO REM PRF 30-06			LOT# F21G C0526		
		MALFUNCTIONS	INS.		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 ✓	.003	100	10 HEADSPACE ✓ .003

Ins. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor
bolt lugs

ET09482

DATE- 5-20-99

SHOOTER- JH

AMMO	REM	PRF 30-06	LOT#	D17C A0726
		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	.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		81 1
32	2	Control E nut came loose		82 2
33	3	on screw - trigger pin		83 3
34	4	loose - trigger fell out		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, lugsLook at firing pin, extractor
belt lugs

ET09483

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 ✓	.002 ✓	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 ✓	.002 ✓	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			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
bolt lugs

ET09484

DATE: 5-20-99

100 ROUND PROOF TEST

PROJECT # 241095

SHOOTER- JH

AMMO PRF 30.00 REM				LOT # FHG C0526			
MALFUNCTIONS				MALFUNCTIONS			
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 seen 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 connector in fire control replaced w/ one out of 100		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

ET09485

DATE- 5-20-99

SHOOTER- JPL

AMMO		REM	PRF 30-06	LOT #		F21G CD526
			MALFUNCTIONS	INS.		MALFUNCTIONS
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

ET09486

DATE- 5-20-99

100 ROUND PROOF TEST

PROJECT # 241095

SHOOTER- JH

AMMO REM		PRF 30-06		LOT # F21G C0526	
		MALFUNCTIONS	INS.		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 HEADSPACE ✓ .002

Ins. = Inspected w/ bore scope
chamber, lugsLook at firing pin, extractor
bolt lugs

ET09487