

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 # - XC 1052
DATE - 5-20-99
SHOOTER - Jeff

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

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AMMO		REM	PRF		30-06		LOT #		F21G C0526		
		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

ET09931

GUN # - Xc 1054

DATE - 5-20-99

SHOOTER - JH

M710 EET SAMPLE RIFLES
100 ROUND PROOF TESTTRACKING # 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	Missfire		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	Control - 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
Missfire - 2 chamber lugs

Look at firing pins, extractor
bolt lugs

ET09932

GUN# - XC 1055
 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			MALFUNCTIONS
1	1	HEADSPACE	INS.	51	1
2	2	HEADSPACE	MIN + .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

ET09933

GUN# - XC 1057

DATE- 5-20-99

SHOOTER- JH

M710 EET SAMPLE RIFLES
100 ROUND PROOF TESTTRACKING # TLW 9142G
PROJECT # 241095

AMMO	REM	PRF 30-06	LOT# D17C A0726
		MALFUNCTIONS	INS.
1	1	HEADSPACE	
2	2	HEADSPACE	
3	3	HEADSPACE	
4	4	HEADSPACE	
5	5	HEADSPACE	
6	6	HEADSPACE	
7	7	HEADSPACE	
8	8	HEADSPACE	
9	9	HEADSPACE	
10	10	HEADSPACE	
11	1		
12	2		
13	3		
14	4		
15	5		
16	6		
17	7		
18	8		
19	9		
20	10	HEADSPACE	
21	1		
22	2		
23	3		
24	4		
25	5		
26	6		
27	7		
28	8		
29	9		
30	10	HEADSPACE	
31	1	Sear pin fell out of fire	
32	2	control - nut came loose	
33	3	on screw - trigger pin	
34	4	loose - trigger fell out	
35	5		
36	6		
37	7		
38	8		
39	9		
40	10	HEADSPACE	
41	1		
42	2		
43	3		
44	4		
45	5		
46	6		
47	7		
48	8		
49	9		
50	10	HEADSPACE	
51	1		
52	2		
53	3		
54	4		
55	5		
56	6		
57	7		
58	8		
59	9		
60	10		
61	1		
62	2		
63	3		
64	4		
65	5		
66	6		
67	7		
68	8		
69	9		
70	10		
71	1		
72	2		
73	3		
74	4		
75	5		
76	6		
77	7		
78	8		
79	9		
80	10		
81	1		
82	2		
83	3		
84	4		
85	5		
86	6		
87	7		
88	8		
89	9		
90	10		
91	1		
92	2		
93	3		
94	4		
95	5		
96	6		
97	7		
98	8		
99	9		
100	10	HEADSPACE	

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

ET09934

GUN # - XC1058

DATE - 5-20-99

SHOOTER - JH

M710 EET SAMPLE RIFLES

100 ROUND PROOF TEST

TRACKING # TLW 9142G

PROJECT # 241095

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

GUN# - XC 1059
 DATE - 5-27-99
 SHOOTER - JH

M/710 EET SAMPLE RIFLES
 100 ROUND PROOF TEST

TRACKING # TLW 9142G
 PROJECT # 241095

AMMO PRF 30.06 REM				LOT # FHG 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	Sear pin Set 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 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

ET09936

GUN # - XC 1000
DATE - 5-20-99
SHOOTER - JPL

M/710 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 +.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

GUN#- XC 1062
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		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, lugs

Look at firing pin, extractor
bolt lugs

ET09938