

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

☐ ☐ ☐

ET19821

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		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

ET19822

GUN# - XC 1057

DATE - 5-29-99

SHOOTER - JH

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

AMMO		REM	PRF 30-06	LOT #	D 17C 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 - 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

ET19823

GUN# - XC 1054

DATE - 5-20-99

SHOOTER - JH

M/710 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	Misfire	.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	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
Misfire - 2 chamber, lugs

Look at firing pins, extractor
bolt lugs

ET19824

GUN#- XC 1052

DATE- 5-20-99

SHOOTER- Jeff

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TESTTRACKING # TLW 9142G
PROJECT # 241095

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AMMO	REM	PRF	30-06	LOT#	F21G	CO	526
MALFUNCTIONS				MALFUNCTIONS			
1	1	HEADSPACE	MIN + .002	INS.	✓	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, lugsLook at firing pin, extractor 100
bolt lugs

ET19825

GUN#- XC 1060

DATE- 5-20-99

SHOOTER- JFE

M/710 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 + .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

ET19826

GUN# - XC1058

DATE - 5-20-99

SHOOTER - JH

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TESTTRACKING # TLW 9142G
PROJECT # 241095

AMMO Rem PRF30-06				LOT # F21G C0526			
MALFUNCTIONS				MALFUNCTIONS			
1	1	HEADSPACE	MIN + .002	INS.	✓	51	1
2	2	HEADSPACE	.902	✓	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	.902	✓	58	8	
9	9	HEADSPACE	.002	✓	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, lugsLook at firing pin, extractor
bolt lugs

ET19827

GUN# - XC 1055

DATE - 5-20-99

SHOOTER - JH

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TESTTRACKING # 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, lugsLook at firing pin, extractor
bolt lugs

ET19828

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

M710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO PRF 30.00 REM				LOT # FHG C0526			
MALFUNCTIONS				MALFUNCTIONS			
			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 ✓		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	Sear fm 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 ✓		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	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 ✓		100	10	HEADSPACE ✓	

INS. = Inspected w/ bore scope
chamber, lugs

Look at firing pin, extractor
bolt lugs

ET19829