

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 - 5.20.99

SHOOTER - Jeff

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

AMMO Rem PRF 30-06				LOT # F21G CDS26			
MALFUNCTIONS				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, lugsLook at firing pin, extractor
bolt lugs

ET09480

GUN# - Xc 1054
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	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

ET09481

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	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

ET09482

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			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		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
belt lugs

ET09483

GUN# - XC1058
DATE - 5-20-99
SHOOTER - JH

M/710 EET SAMPLE RIFLES
100 ROUND PROOF TEST

TRACKING # TLW 9142G
PROJECT # 241095

AMMO REM PRF30-06				LOT# F21G C0526			
MALFUNCTIONS				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	.002 ✓	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, lugs

look at firing pin, extractor
bolt lugs

ET09484

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 30.00 REM				LOT# FHG 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	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 ✓		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 pin connector in fire control replaced w/ one out of 1002		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

ET09485

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				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

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

ET09487