

Scott Franz

From: Wade, Steve D.
Sent: 10/18/2004 09:59:08 AM
To: Franz, Scott
CC: Reesor, Phillip K.
BCC:
Subject: M/710 DATA

Subject to Protective Order - Williams v. Remington

ETE00000517

	HEADSPACE BEFORE	PROOF ROUND	HEADSPACE AFTER
CAL 30.06 SPRG			
GUN A-1	MIN + .002	OK	MIN + .003
SERIAL # 71163360			
GUN A-2	MIN + .002	OK	MIN + .002
SERIAL # 71163358			
GUN A-3	MIN + .004	OK	MIN + .004
SERIAL # 71163365			
GUN A-4	MIN + .003	OK	MIN + .003
SERIAL # 71163352			
CAL 270 WIN			
GUN A-5	MIN + .002	OK	MIN + .002
SERIAL # 71163350			
GUN A-6	MIN + .002	OK	MIN + .003
SERIAL # 71163349			
GUN A-7	MIN + .001	OK	MIN + .002
SERIAL # 71163356			
GUN A-8	MIN + .002	OK	MIN + .002
SERIAL # 71163354			
CAL 7MM REM MAG			
GUN A-9	MIN + .002	OK	MIN + .002
SERIAL # 71163355			
GUN A-10	MIN + .002	OK	MIN + .003
SERIAL # 71163353			
GUN A-11	MIN + .001	OK	MIN + .002
SERIAL # 71163357			
GUN A-12	MIN + .002	OK	MIN + .002
SERIAL # 71163359			
CAL 300 WIN MAG			
GUN A-13	MIN + .004	OK	MIN + .004
SERIAL # 71163351			
GUN A-14	MIN + .005	OK	MIN + .005
SERIAL # 71163363			
GUN A-15	MIN + .005	OK	MIN + .005
SERIAL # 71163364			

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ETE00000518

FIRING PIN INDENT				
CAL 30.06 SPRG	1	2	3	AVG
GUN A-1	0.020	0.020	0.019	0.0196
SERIAL # 71163360				
GUN A-2	0.019	0.019	0.018	0.0186
SERIAL # 71163358				
GUN A-3	0.020	0.019	0.020	0.0196
SERIAL # 71163365				
GUN A-4	0.019	0.019	0.019	0.0190
SERIAL # 71163352				
CAL 270 WIN				AVG
GUN A-5	0.020	0.019	0.020	0.0196
SERIAL # 71163350				
GUN A-6	0.019	0.018	0.018	0.0183
SERIAL # 71163349				
GUN A-7	0.018	0.019	0.018	0.0183
SERIAL # 71163356				
GUN A-8	0.018	0.018	0.019	0.0183
SERIAL # 71163354				
CAL 7MM REM MAG				AVG
GUN A-9	0.019	0.019	0.020	0.0193
SERIAL # 71163355				
GUN A-10	0.020	0.020	0.020	0.0200
SERIAL # 71163353				
GUN A-11	0.019	0.019	0.020	0.0193
SERIAL # 71163357				
GUN A-12	0.020	0.021	0.020	0.0203
SERIAL # 71163359				
CAL 300 WIN MAG				AVG
GUN A-13	0.019	0.019	0.018	0.0186
SERIAL # 71163351				
GUN A-14	0.018	0.017	0.017	0.0176
SERIAL # 71163363				
GUN A-15	0.018	0.019	0.018	0.0183
SERIAL # 71163364				

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ETE00000519

ENGAGEMENT				SEAR LIFT				
CAL 30.06 SPRG	1	2	3	AVG	1	2	3	AVG
GUN A-1	0.0256	0.0256	0.0254	0.02553	0.0122	0.0125	0.0123	0.01233
SERIAL # 71163360								
GUN A-2	0.0270	0.0289	0.0268	0.02690	0.0139	0.0137	0.0136	0.01373
SERIAL # 71163358								
GUN A-3	0.0252	0.0255	0.0255	0.02540	0.0126	0.0124	0.0124	0.01243
SERIAL # 71163365								
GUN A-4	0.0260	0.0263	0.0264	0.02623	0.0133	0.0135	0.0134	0.01340
SERIAL # 71163352								
CAL 270 WIN				AVG	AVG			
GUN A-5	0.0253	0.0254	0.0253	0.02533	0.0125	0.0123	0.0121	0.01230
SERIAL # 71163350								
GUN A-6	0.0256	0.0256	0.0256	0.02560	0.0151	0.0155	0.0153	0.01530
SERIAL # 71163349								
GUN A-7	0.0234	0.0236	0.0236	0.02353	0.0136	0.0133	0.0132	0.01336
SERIAL # 71163356								
GUN A-8	0.0158	0.0157	0.0158	0.01576	0.0120	0.0122	0.0122	0.01213
SERIAL # 71163354								
CAL 7MM REM MAG				AVG	AVG			
GUN A-9	0.0337	0.0341	0.0340	0.03393	0.0130	0.0133	0.0130	0.01310
SERIAL # 71163355								
GUN A-10	0.0316	0.0319	0.0318	0.03176	0.0137	0.0137	0.0136	0.01366
SERIAL # 71163353								
GUN A-11	0.0331	0.0331	0.0333	0.03316	0.0142	0.0145	0.0145	0.01440
SERIAL # 71163357								
GUN A-12	0.0326	0.0327	0.0325	0.03260	0.0144	0.0141	0.0141	0.01420
SERIAL # 71163359								
CAL 300 WIN MAG				AVG	AVG			
GUN A-13	0.0327	0.0326	0.0327	0.03266	0.0127	0.0129	0.0128	0.01280
SERIAL # 71163351								
GUN A-14	0.0320	0.0323	0.0320	0.03210	0.0125	0.0129	0.0127	0.01270
SERIAL # 71163363								
GUN A-15	0.0304	0.0309	0.0307	0.03066	0.0127	0.0129	0.0128	0.01280
SERIAL # 71163364								

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ETE00000520

SEAR / FIRING PIN HEAD ENGAGEMENT			
CAL 30.06 SPRG	HIGH GAUGE	GAUGE PIN	ENGAGEMENT
GUN A-1	0.075	-0.014	0.061
SERIAL # 71163360			
GUN A-2	0.076	-0.014	0.062
SERIAL # 71163358			
GUN A-3	0.081	-0.015	0.066
SERIAL # 71163365			
GUN A-4	0.076	-0.015	0.061
SERIAL # 71163352			
CAL 270 WIN			
GUN A-5	0.078	-0.014	0.064
SERIAL # 71163350			
GUN A-6	0.073	-0.015	0.058
SERIAL # 71163349			
GUN A-7	0.080	-0.011	0.069
SERIAL # 71163356			
GUN A-8	0.078	-0.015	0.063
SERIAL # 71163354			
CAL 7MM REM MAG			
GUN A-9	0.083	-0.015	0.068
SERIAL # 71163355			
GUN A-10	0.085	-0.014	0.071
SERIAL # 71163353			
GUN A-11	0.083	-0.014	0.069
SERIAL # 71163357			
GUN A-12	0.083	-0.011	0.072
SERIAL # 71163359			
CAL 300 WIN MAG			
GUN A-13	0.083	-0.012	0.071
SERIAL # 71163351			
GUN A-14	0.086	-0.013	0.073
SERIAL # 71163363			
GUN A-15	0.088	-0.012	0.076
SERIAL # 71163364			

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ETE00000521

TRIGGER PULL FORCES						
CAL 30.06 SPRG	1	2	3	4	5	AVG
GUN A-1	5.964	6.088	5.910	5.992	5.896	5.970
SERIAL # 71163360						
GUN A-2	5.923	6.068	5.931	6.001	5.898	5.983
SERIAL # 71163358						
GUN A-3	4.921	5.265	5.291	5.150	5.153	5.156
SERIAL # 71163365						
GUN A-4	6.139	6.199	6.168	6.047	6.015	6.114
SERIAL # 71163352						
CAL 270 WIN						AVG
GUN A-5	4.145	4.319	4.234	4.299	4.228	4.245
SERIAL # 71163350						
GUN A-6	4.866	4.722	4.782	4.882	4.844	4.819
SERIAL # 71163349						
GUN A-7	5.323	5.130	5.297	5.316	5.037	5.221
SERIAL # 71163356						
GUN A-8	4.996	4.947	4.977	4.781	4.723	4.885
SERIAL # 71163354						
CAL 7MM REM MAG						AVG
GUN A-9	4.541	4.415	4.593	4.555	4.637	4.548
SERIAL # 71163355						
GUN A-10	5.302	5.294	5.376	5.313	5.372	5.331
SERIAL # 71163353						
GUN A-11	5.369	5.483	5.434	5.428	5.501	5.443
SERIAL # 71163357						
GUN A-12	5.273	5.150	5.247	5.167	5.272	5.222
SERIAL # 71163359						
CAL 300 WIN MAG						AVG
GUN A-13	5.161	5.097	5.064	5.099	5.166	5.117
SERIAL # 71163351						
GUN A-14	4.101	4.108	4.085	4.157	4.199	4.130
SERIAL # 71163363						
GUN A-15	6.000	6.061	6.097	5.869	5.935	5.992
SERIAL # 71163364						

SAFE ON / SAFE OFF FORCES								
SAFE ON FORCES					SAFE OFF FORCES			
CAL 30.06 SPRG	1	2	3	AVG	1	2	3	AVG
GUN A-1	5.75	5.45	5.54	5.576	2.10	2.14	1.96	2.066
SERIAL # 71163360								
GUN A-2	6.18	6.24	6.18	6.200	2.56	2.18	2.42	2.386
SERIAL # 71163358								
GUN A-3	6.04	6.08	5.98	6.033	2.78	2.86	2.98	2.873
SERIAL # 71163365								
GUN A-4	5.28	5.21	5.24	5.243	2.10	2.22	1.96	2.093
SERIAL # 71163352								
				AVG				AVG
CAL 270 WIN								
GUN A-5	5.68	5.58	5.50	5.586	1.86	1.98	2.12	1.986
SERIAL # 71163350								
GUN A-6	6.92	6.72	6.50	6.713	2.68	2.46	2.46	2.433
SERIAL # 71163349								
GUN A-7	6.28	6.24	6.24	6.253	2.46	2.34	2.52	2.44
SERIAL # 71163356								
GUN A-8	4.24	4.84	4.86	4.646	2.04	2.18	2.14	2.120
SERIAL # 71163354								
				AVG				AVG
CAL 7MM REM MAG								
GUN A-9	5.52	5.64	5.60	5.586	2.44	2.46	2.60	2.500
SERIAL # 71163355								
GUN A-10	6.08	6.12	6.16	6.120	2.52	2.72	2.80	2.693
SERIAL # 71163353								
GUN A-11	6.38	6.56	6.70	6.526	2.06	2.18	2.28	2.173
SERIAL # 71163357								
GUN A-12	6.60	6.20	6.62	6.503	2.24	2.12	2.08	2.140
SERIAL # 71163359								
				AVG				AVG
CAL 300 WIN MAG								
GUN A-13	6.58	6.08	6.24	6.293	1.98	2.20	2.08	2.086
SERIAL # 71163351								
GUN A-14	6.52	6.62	6.20	6.446	2.22	2.18	2.26	2.22
SERIAL # 71163363								
GUN A-15	5.86	5.42	5.76	5.680	2.36	2.48	2.44	2.426
SERIAL # 71163364								

BOLT LIFT AND CLOSING FORCES															

200 RD BASIC JACK FUNCTION TEST

CAL 30.06 SPRG

GUN A-1 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163360 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-2 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163358 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-3 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163365 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-4 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163352 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

CAL 270 WIN

GUN A-5 0 MALFUNCTION
SERIAL # 71163350 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).

GUN A-6 STOPPED TEST AFTER 100 RDS (BOLT VERY HARD TO OPEN. HAD TO
SERIAL # 71163349 HAMMER BOLT BACK 34 TIMES.)
CHECK CHAMBER WITH BOLESCOPE. (FOUND VERY BAD GOUGE
AROUND CHAMBER. DIGITAL IMAGES TAKER.) SW/PR

GUN A-7 0 MALFUNCTION
SERIAL # 71163356

GUN A-8 0 MALFUNCTION
SERIAL # 71163354

CAL 7MM REM MAG

GUN A-9 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163355 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-10 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163353 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
2 MALFUNCTIONS 2 STEM LOW (AMMO REM R7MM2).

GUN A-11 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163357 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
2 MALFUNCTIONS 1 STEM LOW (AMMO REM R7MM2).
1 BOLT OVERRIDE (AMMO REM PRC7MMRC).

GUN A-12 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163359 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

CAL 300 WIN MAG

GUN A-13 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163351 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

GUN A-14 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163363 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

GUN A-15 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163364 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

20 RD SHOULDER FUNCTION TEST

CAL 30.06 SPRG

GUN A-1 0 MALFUNCTION
SERIAL # 71163360
GUN A-2 0 MALFUNCTION
SERIAL # 71163358
GUN A-3 0 MALFUNCTION
SERIAL # 71163365
GUN A-4 0 MALFUNCTION
SERIAL # 71163352

CAL 270 WIN

GUN A-5 0 MALFUNCTION
SERIAL # 71163350
GUN A-6 OUT OF TEST
SERIAL # 71163349
GUN A-7 0 MALFUNCTION
SERIAL # 71163356
GUN A-8 0 MALFUNCTION
SERIAL # 71163354

CAL 7MM REM MAG

GUN A-9 0 MALFUNCTION
SERIAL # 71163355
GUN A-10 0 MALFUNCTION
SERIAL # 71163353
GUN A-11 1 MALFUNCTION 1 BOLT OVERRIDE. AMMO REM R7MM4
SERIAL # 71163357
GUN A-12 0 MALFUNCTION
SERIAL # 71163359

CAL 300 WIN MAG

GUN A-13 0 MALFUNCTION
SERIAL # 71163351
GUN A-14 0 MALFUNCTION
SERIAL # 71163363
GUN A-15 0 MALFUNCTION
SERIAL # 71163364

ACCURACY TESTING

CAL 30.06 SPRG

	1	2	3	AVG
GUN A-1				
SERIAL # 71163360	1.864	1.799	1.465	1.7095
GUN A-2	1	2	3	AVG
SERIAL # 71163358	4.113	3.415	2.489	3.339
GUN A-3	1	2	3	AVG
SERIAL # 71163365	1.212	1.948	2.585	1.915
GUN A-4				
SERIAL # 71163352				

CAL 270 WIN

	1	2	3	AVG
GUN A-5				
SERIAL # 71163350	1.938	1.775	1.775	1.829
GUN A-6				
SERIAL # 71163349				
GUN A-7				
SERIAL # 71163356				
GUN A-8	1	2	3	AVG
SERIAL # 71163354	1.134	2.083	1.194	1.470

CAL 7MM REM MAG

	1	2	3	AVG
GUN A-9				
SERIAL # 71163355	1.134	1.283	0.889	1.102
GUN A-10	1	2	3	AVG
SERIAL # 71163353	2.989	1.764	1.765	2.172
GUN A-11				
SERIAL # 71163357				
GUN A-12				
SERIAL # 71163359				

CAL 300 WIN MAG

	1	2	3	AVG
GUN A-13				
SERIAL # 71163351	2.280	1.858	2.209	2.110
GUN A-14	1	2	3	AVG
SERIAL # 71163363	1.844	2.706	2.433	2.328
GUN A-15	1	2	3	AVG
SERIAL # 71163364	1.178	2.443	2.472	2.031

EXTENDED FUNCTION AND ENDURANCE

CAL 30.06 SPRG

GUN A-2 500 RDS 0 MALFUNCTIONS
SERIAL # 71163358 CLEANED AND INSPECTED OK

GUN A-3 500 RDS 1 FAIL TO EJECT (AMMO REM R30065)
SERIAL # 71163365 CLEANED AND INSPECTED OK
500 RDS 1 FAIL TO EJECT (AMMO REM R30065)
ROUND 840 RELEASE LATCH BROKE. REPLACED
CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO REM R30065)
4 FAIL TO EXTRACT (AMMO REM R30065)
3 FAIL TO EXTRACT (AMMO REM R30067)
1 FAIL TO EJECT (AMMO REM R30067)
CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO REM R30065)
CLEANED AND INSPECTED OK

GUN A-4 500 RDS 0 MALFUNCTIONS
SERIAL # 71163352 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
HEAT AND HUMIDITY TEST (OK) 0 MALFUNCTIONS
THERMAL CYCLE TEST (FIRED 100 RDS BEFORE CYCLES)
THERMAL CYCLE TEST (FIRED 100 RDS AFTER CYCLES)
0 MALFUNCTIONS

CAL 270 WIN

GUN A-5 500 RDS 0 MALFUNCTIONS
SERIAL # 71163350 CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO FED P270T1)
CLEANED AND INSPECTED OK
HOT FUNCTION TEST (OK) 0 MALFUNCTIONS

GUN A-6 OUT OF TEST
SERIAL # 71163349

GUN A-7 500 RDS 0 MALFUNCTIONS (BOLT HARD TO CLOSE AT TIMES.)
SERIAL # 71163356 CLEANED AND INSPECTED OK
500 RDS 1 STEM LOW (AMMO FED P270F)
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
ROUND 1030 RELEASE LATCH BROKE. (REPLACED) PICTURES TAKEN
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK

GUN A-8 500 RDS 0 MALFUNCTIONS (BOLT HARD TO CLOSE AT TIMES.)
SERIAL # 71163354 ROUND 180 RELEASE LATCH BROKE. (PICTURES TAKEN) REPLACED
CLEANED AND INSPECTED OK

CAL 7MM REM MAG

GUN A-10 500 RDS 0 MALFUNCTIONS
SERIAL # 71163353 CLEANED AND INSPECTED OK

GUN A-11 500 RDS 1 MISFIRE (AMMO REM R7MM3)
SERIAL # 71163357 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
ROUND 820 RELEASE LATCH BROKE, REPLACED
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 1 BOLT OVERRIDE (AMMO REM R7MM2)
1 FAIL TO EJECT (AMMO REM R7MM4)
CLEANED AND INSPECTED OK

GUN A-12 500 RDS 0 MALFUNCTIONS
SERIAL # 71163359 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
COLD FUNCTION TEST (OK) 0 MALFUNCTIONS

CAL 300 WIN MAG

GUN A-14 500 RDS 0 MALFUNCTIONS
SERIAL # 71163363 CLEANED AND INSPECTED OK

GUN A-15 500 RDS 1 ROUND HUNG ON MAGAZINE BOX (AMMO REM R7MM3)
SERIAL # 71163364 ROUND 260 FRONT TAKE DOWN SCREW FAIL OUT (RETIGHTEN)
1 STEM HIGH (AMMO REM R7MM3)
SHORT STROKE CAUSED DOUBLE FEED
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 1 BOLT OVERRIDE (AMMO REM R300W2)
CLEANED AND INSPECTED OK

S.A.A.M.I. DROPS

CAL 30.06 SPRG

GUN A-1

SERIAL # 71163380

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

GUN A-2

SERIAL # 71163358

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

CAL 270 WIN

GUN A-6

SERIAL # 71163349

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

GUN A-8

SERIAL # 71163354

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

CAL 7MM REM MAG

GUN A-9

SERIAL # 71163355

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

GUN A-10

SERIAL # 71163353

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS) ON INSPECTION GUN HAD BROKEN TANG,
REPLACED INSERT

CAL 300 WIN MAG

GUN A-13

SERIAL # 71163351

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS) ON INSPECTION GUN HAD BROKEN TANG,
REPLACED INSERT

GUN A-14

SERIAL # 71163363

S.A.A.M.I. JAR-OFF (PASS)

S.A.A.M.I. ROTATION (PASS)

S.A.A.M.I. DROP (PASS)

EXTENDED DROP TESTING

CAL 30.06 SPRG

GUN A-1 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163360 EXTENDED JAR-OFF 24" GUN FAILED ONCE (STOPPED TEST)

GUN A-2 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163358 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

CAL 270 WIN

GUN A-6 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163349 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED TWICE (STOPPED TEST)
EXTENDED ROTATION (PASS)
EXTENDED DROP 72" (PASS) ON INSPECTION GUN HAD BROKEN
TANG (STOPPED TEST)

GUN A-8 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163354 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)
EXTENDED ROTATION (PASS)
EXTENDED DROP 72" GUN FAILED TWICE. GUN HAD BROKEN INSERT
ON PREVIOUS DROP CAUSING GUN TO FAIL. (STOPPED TEST)

CAL 7MM REM MAG

GUN A-9 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163355 EXTENDED JAR-OFF 24" GUN FAILED ONCE (STOPPED TEST)

GUN A-10 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163353 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

CAL 300 WIN MAG

GUN A-13 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163351 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" (PASS)
EXTENDED JAR-OFF 48" (PASS) ON INSPECTION GUN HAD BROKEN
TANG (REPLACED)
ROTATION (PASS) BROKE STOCK (REPLACED)
EXTENDED DROP 72" (PASS) ON INSPECTION GUN HAD BROKEN
TANG (REPLACED)
EXTENDED DROP 96" GUN FAILED ONCE. GUN HAD BROKEN INSERT
ON PREVIOUS DROP CAUSING GUN TO FAIL (STOPPED TEST)

GUN A-14 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163363 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

SAFETY OPERATIONS (S.A.A.M.I.)

CAL 300 WIN MAG

GUN A-13

PASS

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT START	0.0251	0.0251	0.0248	0.0250
TRIGGER PULL AT START	4.969	4.930	5.036	5.005
				5.048
				AVG
				4.998

NOTE: STRIPPED ENGAGEMENT SCREW IN HOUSING.
(PUSHING TRIGGER FROM REAR OF TRIGGER FORWARD)

GUN A-14

PASS

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT START	0.0272	0.0275	0.0271	0.02726
TRIGGER PULL AT START	4.847	4.871	4.828	4.853
				4.825
				AVG
				4.845

GUN A-14

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT END	0.0341	0.0342	0.0341	0.03413
TRIGGER PULL AT END	3.719	3.858	3.734	3.764
				3.781
				AVG
				3.771

40lb TRIGGER PULL TEST

REMINGTON

MEASUREMENT START

MEASUREMENT END

GUN A-13

PASS

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT START	0.0251	0.0251	0.0248	0.0250
TRIGGER PULL AT START	4.969	4.930	5.036	5.005
				5.048
				AVG
				4.998

NOTE: STRIPPED ENGAGEMENT SCREW IN HOUSING.
(PUSHING TRIGGER FROM REAR OF TRIGGER FORWARD)

GUN A-14

PASS

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT START	0.0272	0.0275	0.0271	0.02726
TRIGGER PULL AT START	4.847	4.871	4.828	4.853
				4.825
				AVG
				4.845

GUN A-14

SERIAL # 71163351	1	2	3	AVG
ENGAGEMENT AT END	0.0341	0.0342	0.0341	0.03413
TRIGGER PULL AT END	3.719	3.858	3.734	3.764
				3.781
				AVG
				3.771

MEASUREMENT END

1 27/32" -TRIGGER MOVEMENT

IEW

CONFIDENTIAL

Subject to Protective Order - Williams v. Remington

ETE00000534

Scott Franz

From: Wade, Steve D.
Sent: 10/13/2004 08:58:48 AM
To: Franz, Scott
CC: Reesor, Phillip K.
BCC:
Subject: M 710 EXTRUDED RECEIVER D.A.T.

Subject to Protective Order - Williams v. Remington

ETE00000535

	HEADSPACE BEFORE	PROOF ROUND	HEADSPACE AFTER
CAL 30.06 SPRG			
GUN A-1	MIN + .002	OK	MIN + .003
SERIAL # 71163360			
GUN A-2	MIN + .002	OK	MIN + .002
SERIAL # 71163358			
GUN A-3	MIN + .004	OK	MIN + .004
SERIAL # 71163365			
GUN A-4	MIN + .003	OK	MIN + .003
SERIAL # 71163352			
CAL 270 WIN			
GUN A-5	MIN + .002	OK	MIN + .002
SERIAL # 71163350			
GUN A-6	MIN + .002	OK	MIN + .003
SERIAL # 71163349			
GUN A-7	MIN + .001	OK	MIN + .002
SERIAL # 71163358			
GUN A-8	MIN + .002	OK	MIN + .002
SERIAL # 71163354			
CAL 7MM REM MAG			
GUN A-9	MIN + .002	OK	MIN + .002
SERIAL # 71163355			
GUN A-10	MIN + .002	OK	MIN + .003
SERIAL # 71163353			
GUN A-11	MIN + .003	OK	MIN + .002
SERIAL # 71163357			
GUN A-12	MIN + .002	OK	MIN + .002
SERIAL # 71163359			
CAL 300 WIN MAG			
GUN A-13	MIN + .004	OK	MIN + .004
SERIAL # 71163351			
GUN A-14	MIN + .005	OK	MIN + .005
SERIAL # 71163363			
GUN A-15	MIN + .005	OK	MIN + .005
SERIAL # 71163364			

Subject to Protective Order - Williams v. Remington

ETE00000536

FIRING PIN INDENT				
CAL 30.06 SPRG	1	2	3	AVG
GUN A-1	0.020	0.020	0.019	0.0196
SERIAL # 71163360				
GUN A-2	0.019	0.019	0.018	0.0186
SERIAL # 71163358				
GUN A-3	0.020	0.019	0.020	0.0195
SERIAL # 71163365				
GUN A-4	0.019	0.019	0.019	0.0190
SERIAL # 71163352				
CAL 270 WIN				AVG
GUN A-5	0.020	0.019	0.020	0.0198
SERIAL # 71163350				
GUN A-6	0.019	0.018	0.018	0.0183
SERIAL # 71163349				
GUN A-7	0.018	0.019	0.018	0.0183
SERIAL # 71163356				
GUN A-8	0.018	0.018	0.019	0.0183
SERIAL # 71163354				
CAL 7MM REM MAG				AVG
GUN A-9	0.019	0.019	0.020	0.0193
SERIAL # 71163355				
GUN A-10	0.020	0.020	0.020	0.0200
SERIAL # 71163353				
GUN A-11	0.019	0.019	0.020	0.0193
SERIAL # 71163357				
GUN A-12	0.020	0.021	0.020	0.0203
SERIAL # 71163359				
CAL 300 WIN MAG				AVG
GUN A-13	0.019	0.019	0.018	0.0186
SERIAL # 71163351				
GUN A-14	0.018	0.017	0.017	0.0176
SERIAL # 71163363				
GUN A-15	0.018	0.019	0.018	0.0183
SERIAL # 71163364				

Subject to Protective Order - Williams v. Remington

ETE00000537

ENGAGEMENT	1	2	3	AVG	SEAR LIFT	1	2	3	AVG
CAL 30.06 SPRG									
GUN A-1	0.0256	0.0256	0.0254	0.02553		0.0122	0.0125	0.0123	0.01233
SERIAL # 71163360									
GUN A-2	0.0270	0.0269	0.0268	0.02690		0.0139	0.0137	0.0136	0.01373
SERIAL # 71163358									
GUN A-3	0.0252	0.0255	0.0255	0.02540		0.0126	0.0124	0.0124	0.01243
SERIAL # 71163365									
GUN A-4	0.0260	0.0263	0.0264	0.02623		0.0133	0.0135	0.0134	0.01340
SERIAL # 71163352									
CAL 270 WIN				AVG					AVG
GUN A-5	0.0253	0.0254	0.0253	0.02533		0.0125	0.0123	0.0121	0.01230
SERIAL # 71163350									
GUN A-6	0.0256	0.0256	0.0256	0.02560		0.0151	0.0155	0.0153	0.01530
SERIAL # 71163349									
GUN A-7	0.0234	0.0236	0.0236	0.02353		0.0136	0.0133	0.0132	0.01336
SERIAL # 71163358									
GUN A-8	0.0158	0.0157	0.0158	0.01576		0.0120	0.0122	0.0122	0.01213
SERIAL # 71163354									
CAL 7MM REM MAG				AVG					AVG
GUN A-9	0.0337	0.0341	0.0340	0.03393		0.0130	0.0133	0.0130	0.01310
SERIAL # 71163355									
GUN A-10	0.0316	0.0319	0.0318	0.03176		0.0137	0.0137	0.0136	0.01366
SERIAL # 71163353									
GUN A-11	0.0331	0.0331	0.0333	0.03316		0.0142	0.0145	0.0145	0.01440
SERIAL # 71163357									
GUN A-12	0.0326	0.0327	0.0325	0.03260		0.0144	0.0141	0.0141	0.01420
SERIAL # 71163359									
CAL 300 WIN MAG				AVG					AVG
GUN A-13	0.0327	0.0326	0.0327	0.03266		0.0127	0.0129	0.0128	0.01280
SERIAL # 71163351									
GUN A-14	0.0320	0.0323	0.0320	0.03210		0.0125	0.0129	0.0127	0.01270
SERIAL # 71163363									
GUN A-15	0.0304	0.0309	0.0307	0.03066		0.0127	0.0129	0.0128	0.01280
SERIAL # 71163364									

Subject to Protective Order - Williams v. Remington

ETE00000538

SEAR / FIRING PIN HEAD ENGAGEMENT			
CAL 30.06 SPRG	HIGH GAUGE	GAUGE PIN	ENGAGEMENT
GUN A-1	0.075	-0.014	0.061
SERIAL # 71163360			
GUN A-2	0.076	-0.014	0.062
SERIAL # 71163358			
GUN A-3	0.081	-0.015	0.066
SERIAL # 71163365			
GUN A-4	0.076	-0.015	0.061
SERIAL # 71163352			
CAL 270 WIN			
GUN A-5	0.078	-0.014	0.064
SERIAL # 71163350			
GUN A-6	0.073	-0.015	0.058
SERIAL # 71163349			
GUN A-7	0.080	-0.011	0.069
SERIAL # 71163356			
GUN A-8	0.078	-0.015	0.063
SERIAL # 71163354			
CAL 7MM REM MAG			
GUN A-9	0.083	-0.015	0.068
SERIAL # 71163355			
GUN A-10	0.085	-0.014	0.071
SERIAL # 71163353			
GUN A-11	0.083	-0.014	0.069
SERIAL # 71163357			
GUN A-12	0.083	-0.011	0.072
SERIAL # 71163359			
CAL 300 WIN MAG			
GUN A-13	0.083	-0.012	0.071
SERIAL # 71163351			
GUN A-14	0.086	-0.013	0.073
SERIAL # 71163363			
GUN A-15	0.088	-0.012	0.076
SERIAL # 71163364			

Subject to Protective Order - Williams v. Remington

ETE00000539

TRIGGER PULL FORCES						
CAL 30.06 SPRG	1	2	3	4	5	AVG
GUN A-1	5.964	6.088	5.910	5.992	5.896	5.970
SERIAL # 71163360						
GUN A-2	5.923	6.088	5.931	6.001	5.898	5.983
SERIAL # 71163358						
GUN A-3	4.921	5.265	5.291	5.150	5.153	5.156
SERIAL # 71163365						
GUN A-4	6.139	6.199	6.188	6.047	6.015	6.114
SERIAL # 71163352						
CAL 270 WIN						AVG
GUN A-5	4.145	4.319	4.234	4.299	4.228	4.245
SERIAL # 71163350						
GUN A-6	4.866	4.722	4.782	4.882	4.844	4.819
SERIAL # 71163349						
GUN A-7	5.323	5.130	5.207	5.316	5.037	5.221
SERIAL # 71163356						
GUN A-8	4.996	4.947	4.977	4.781	4.723	4.885
SERIAL # 71163354						
CAL 7MM REM MAG						AVG
GUN A-9	4.541	4.415	4.593	4.555	4.637	4.548
SERIAL # 71163355						
GUN A-10	5.302	5.294	5.378	5.313	5.372	5.331
SERIAL # 71163353						
GUN A-11	5.369	5.483	5.434	5.428	5.501	5.443
SERIAL # 71163357						
GUN A-12	5.273	5.150	5.247	5.167	5.272	5.222
SERIAL # 71163359						
CAL 300 WIN MAG						AVG
GUN A-13	5.161	5.097	5.084	5.099	5.166	5.117
SERIAL # 71163351						
GUN A-14	4.103	4.108	4.085	4.157	4.199	4.130
SERIAL # 71163363						
GUN A-15	6.000	6.061	6.097	5.869	5.935	5.992
SERIAL # 71163364						

Subject to Protective Order - Williams v. Remington

ETE0000054C

SAFE ON / SAFE OFF FORCES								
SAFE ON FORCES					SAFE OFF FORCES			
CAL 30.06 SPRG	1	2	3	AVG	1	2	3	AVG
GUN A-1	5.75	5.45	5.54	5.576	2.10	2.14	1.96	2.066
SERIAL # 71163360								
GUN A-2	6.18	6.24	6.18	6.200	2.58	2.18	2.42	2.386
SERIAL # 71163358								
GUN A-3	6.04	6.08	5.98	6.033	2.78	2.86	2.98	2.873
SERIAL # 71163365								
GUN A-4	5.28	5.21	5.24	5.243	2.10	2.22	1.96	2.093
SERIAL # 71163352								
				AVG				AVG
CAL 270 WIN								
GUN A-5	5.68	5.58	5.50	5.586	1.86	1.98	2.12	1.986
SERIAL # 71163350								
GUN A-6	6.82	6.72	6.50	6.713	2.68	2.46	2.46	2.433
SERIAL # 71163349								
GUN A-7	6.28	6.24	6.24	6.253	2.46	2.34	2.52	2.44
SERIAL # 71163356								
GUN A-8	4.24	4.84	4.86	4.646	2.04	2.18	2.14	2.120
SERIAL # 71163354								
				AVG				AVG
CAL 7MM REM MAG								
GUN A-9	5.52	5.64	5.60	5.586	2.44	2.46	2.60	2.500
SERIAL # 71163355								
GUN A-10	6.08	6.12	6.16	6.120	2.52	2.72	2.80	2.693
SERIAL # 71163353								
GUN A-11	6.38	6.56	6.70	6.526	2.06	2.18	2.28	2.173
SERIAL # 71163357								
GUN A-12	6.60	6.28	6.62	6.503	2.24	2.12	2.06	2.140
SERIAL # 71163359								
				AVG				AVG
CAL 300 WIN MAG								
GUN A-13	6.58	6.08	6.24	6.293	1.98	2.20	2.08	2.086
SERIAL # 71163351								
GUN A-14	6.52	6.52	6.20	6.446	2.22	2.18	2.26	2.22
SERIAL # 71163363								
GUN A-15	5.66	5.42	5.76	5.680	2.36	2.48	2.44	2.426
SERIAL # 71163364								

Subject to Protective Order - Williams v. Remington

ETE00000541

BOLT LIFT AND CLOSING FORCES																		WITH DUMMY ROUNDS				WITH DUMMY ROUNDS			
BOLT LIFT FORCES									BOLT CLOSING FORCES									BOLT LIFT FORCES				BOLT CLOSING FORCES			
CAL 30.06 SPRG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG					
GUN A-1	18.90	16.34	13.86	18.03	15.66	16.46	16.94	16.35	19.70	17.12	19.24	18.68	18.92	17.04	17.00	16.98									
SERIAL # 71163360																									
GUN A-2	18.30	16.7	16.56	17.18	15.00	13.70	13.52	14.07	17.90	17.18	18.34	17.40	17.02	17.00	17.18	17.06									
SERIAL # 71163358																									
GUN A-3	16.74	17.70	16.52	16.98	17.14	17.70	17.50	17.44	17.84	17.80	16.94	17.52	19.24	19.66	18.82	19.24									
SERIAL # 71163365																									
GUN A-4	17.84	17.84	17.93	17.88	14.14	14.44	14.90	14.49	19.90	19.22	18.88	19.26	18.40	17.08	16.68	18.72									
SERIAL # 71163352																									
CAL 270 WIN	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG									
GUN A-5	19.98	18.20	19.48	19.21	20.42	20.48	20.92	20.60	18.30	19.82	19.30	19.14	22.40	22.00	21.84	22.08									
SERIAL # 71163350																									
GUN A-6	17.80	17.90	17.54	17.74	14.90	15.02	14.38	14.76	17.10	17.02	17.04	17.05	18.98	18.02	16.16	18.38									
SERIAL # 71163349																									
GUN A-7	16.14	16.58	17.38	16.70	15.62	15.92	15.68	15.70	17.92	18.98	18.22	18.37	17.84	17.36	17.48	17.56									
SERIAL # 71163356																									
GUN A-8	19.28	19.26	19.94	19.49	19.76	18.96	19.02	19.24	19.86	18.74	18.18	18.62	20.88	21.16	21.56	21.20									
SERIAL # 71163354																									
CAL 7MM REM MAG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG									
GUN A-9	18.78	17.42	17.64	17.94	19.86	20.04	19.90	19.93	19.08	18.36	16.78	18.07	19.40	19.02	19.98	19.46									
SERIAL # 71163355																									
GUN A-10	19.22	19.74	19.06	19.34	15.32	15.40	15.42	15.38	19.44	19.60	16.90	18.64	19.74	17.58	18.34	18.88									
SERIAL # 71163353																									
GUN A-11	18.68	18.82	19.82	19.10	21.82	22.38	22.38	22.22	19.02	19.96	20.14	19.70	24.88	24.88	24.14	24.63									
SERIAL # 71163357																									
GUN A-12	18.14	18.20	17.06	17.80	25.22	25.02	25.54	25.26	20.12	20.42	22.08	20.87	24.54	20.01	24.50	23.01									
SERIAL # 71163369																									
CAL 300 WIN MAG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG									
GUN A-13	21.90	20.94	22.12	21.65	13.22	12.74	13.22	13.06	19.92	20.24	19.30	19.82	12.66	12.76	13.00	12.80									
SERIAL # 71163351																									
GUN A-14	18.41	20.10	19.34	19.29	14.00	16.50	13.30	14.60	19.32	20.88	21.00	20.40	18.18	17.14	15.74	16.35									
SERIAL # 71163363																									
GUN A-15	20.34	19.30	20.44	19.88	13.02	12.54	13.30	12.95	19.80	20.26	19.24	19.76	14.30	13.84	13.44	13.86									
SERIAL # 71163364																									

200 RD BASIC JACK FUNCTION TEST

CAL 30.06 SPRG

GUN A-1 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163360 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-2 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163358 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-3 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163365 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-4 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163352 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

CAL 270 WIN

GUN A-5 0 MALFUNCTION
SERIAL # 71163350 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).

GUN A-6 STOPPED TEST AFTER 100 RDS (BOLT VERY HARD TO OPEN. HAD TO
SERIAL # 71163349 HAMMER BOLT BACK 34 TIMES)
CHECK CHAMBER WITH BOLESCOPE. (FOUND VERY BAD GOUGE
AROUND CHAMBER. DIGITAL IMAGES TAKER.) SW/PR

GUN A-7 0 MALFUNCTION
SERIAL # 71163356

GUN A-8 0 MALFUNCTION
SERIAL # 71163354

CAL 7MM REM MAG

GUN A-9 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163355 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

GUN A-10 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163353 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
2 MALFUNCTIONS 2 STEM LOW (AMMO REM R7MM2).

GUN A-11 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163357 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
2 MALFUNCTIONS 1 STEM LOW (AMMO REM R7MM2).
1 BOLT OVERRIDE (AMMO REM PRC7MMRC).

GUN A-12 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163359 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MKJS).
0 MALFUNCTION

CAL 300 WIN MAG

GUN A-13 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163351 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

GUN A-14 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163363 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

GUN A-15 ROUNDS CATCHING ON EDGE OF MAGAZINE CUT IN RECEIVER.
SERIAL # 71163364 MACHINED CHAMFER IN RECIEVER @ ENG REQUEST (MK/JS).
0 MALFUNCTION

20 RD SHOULDER FUNCTION TEST

CAL 30.06 SPRG

GUN A-1 0 MALFUNCTION
SERIAL # 71163360
GUN A-2 0 MALFUNCTION
SERIAL # 71163358
GUN A-3 0 MALFUNCTION
SERIAL # 71163365
GUN A-4 0 MALFUNCTION
SERIAL # 71163352

CAL 270 WIN

GUN A-5 0 MALFUNCTION
SERIAL # 71163350
GUN A-6 OUT OF TEST
SERIAL # 71163349
GUN A-7 0 MALFUNCTION
SERIAL # 71163356
GUN A-8 0 MALFUNCTION
SERIAL # 71163354

CAL 7MM REM MAG

GUN A-9 0 MALFUNCTION
SERIAL # 71163355
GUN A-10 0 MALFUNCTION
SERIAL # 71163353
GUN A-11 1 MALFUNCTION 1 BOLT OVERRIDE. AMMO REM R7MM4
SERIAL # 71163357
GUN A-12 0 MALFUNCTION
SERIAL # 71163359

CAL 300 WIN MAG

GUN A-13 0 MALFUNCTION
SERIAL # 71163351
GUN A-14 0 MALFUNCTION
SERIAL # 71163363
GUN A-15 0 MALFUNCTION
SERIAL # 71163364

ACCURACY TESTING

CAL 30.06 SPRG

	1	2	3	AVG
GUN A-1				
SERIAL # 71163360	1.864	1.799	1.465	1.7095
GUN A-2	1	2	3	AVG
SERIAL # 71163358	4.113	3.415	2.489	3.339
GUN A-3	1	2	3	AVG
SERIAL # 71163365	1.212	1.948	2.585	1.915
GUN A-4				
SERIAL # 71163352				

CAL 270 WIN

	1	2	3	AVG
GUN A-5				
SERIAL # 71163350	1.938	1.775	1.775	1.829
GUN A-6				
SERIAL # 71163349				
GUN A-7				
SERIAL # 71163358				
GUN A-8	1	2	3	AVG
SERIAL # 71163354	1.134	2.083	1.194	1.470

CAL 7MM REM MAG

	1	2	3	AVG
GUN A-9				
SERIAL # 71163355	1.134	1.283	0.889	1.102
GUN A-10	1	2	3	AVG
SERIAL # 71163353	2.989	1.764	1.765	2.172
GUN A-11				
SERIAL # 71163357				
GUN A-12				
SERIAL # 71163359				

CAL 300 WIN MAG

	1	2	3	AVG
GUN A-13				
SERIAL # 71163351	2.280	1.856	2.209	2.110
GUN A-14	1	2	3	AVG
SERIAL # 71163363	1.844	2.706	2.433	2.328
GUN A-15	1	2	3	AVG
SERIAL # 71163364	1.178	2.443	2.472	2.031

EXTENDED FUNCTION AND ENDURANCE

CAL 30.06 SPRG

GUN A-2 500 RDS 0 MALFUNCTIONS
SERIAL # 71163358 CLEANED AND INSPECTED OK

GUN A-3 500 RDS 1 FAIL TO EJECT (AMMO REM R30085)
SERIAL # 71163365 CLEANED AND INSPECTED OK
500 RDS 1 FAIL TO EJECT (AMMO REM R30085)
ROUND 840 RELEASE LATCH BROKE. REPLACED
CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO REM R30065)
4 FAIL TO EXTRACT (AMMO REM R30065)
3 FAIL TO EXTRACT (AMMO REM R30067)
1 FAIL TO EJECT (AMMO REM R30067)
CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO REM R30065)
CLEANED AND INSPECTED OK

GUN A-4 500 RDS 0 MALFUNCTIONS
SERIAL # 71163352 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
HEAT AND HUMIDITY TEST (OK) 0 MALFUNCTIONS
THERMAL CYCLE TEST (FIRED 100 RDS BEFORE CYCLES)
THERMAL CYCLE TEST (FIRED 100 RDS AFTER CYCLES)
0 MALFUNCTIONS

CAL 270 WIN

GUN A-5 500 RDS 0 MALFUNCTIONS
SERIAL # 71163350 CLEANED AND INSPECTED OK
500 RDS 5 FAIL TO EJECT (AMMO FED P270T1)
CLEANED AND INSPECTED OK
HOT FUNCTION TEST (OK) 0 MALFUNCTIONS

GUN A-6 OUT OF TEST
SERIAL # 71163349

GUN A-7 500 RDS 0 MALFUNCTIONS (BOLT HARD TO CLOSE AT TIMES.)
SERIAL # 71163358 CLEANED AND INSPECTED OK
500 RDS 1 STEM LOW (AMMO FED P270F)
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
ROUND 1030 RELEASE LATCH BROKE. (REPLACED) PICTURES TAKEN
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK

GUN A-8 500 RDS 0 MALFUNCTIONS (BOLT HARD TO CLOSE AT TIMES.)
SERIAL # 71163354 ROUND 180 RELEASE LATCH BROKE. (PICTURES TAKEN) REPLACED
CLEANED AND INSPECTED OK

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CAL 7MM REM MAG

GUN A-10 500 RDS 0 MALFUNCTIONS
SERIAL # 71163353 CLEANED AND INSPECTED OK

GUN A-11 500 RDS 1 MISFIRE (AMMO REM R7MM3)
SERIAL # 71163357 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
ROUND 820 RELEASE LATCH BROKE. REPLACED
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 1 BOLT OVERRIDE (AMMO REM R7MM2)
1 FAIL TO EJECT (AMMO REM R7MM4)
CLEANED AND INSPECTED OK

GUN A-12 500 RDS 0 MALFUNCTIONS
SERIAL # 71163359 CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
COLD FUNCTION TEST (OK) 0 MALFUNCTIONS

CAL 300 WIN MAG

GUN A-14 500 RDS 0 MALFUNCTIONS
SERIAL # 71163363 CLEANED AND INSPECTED OK

GUN A-15 500 RDS 1 ROUND HUNG ON MAGAZINE BOX (AMMO REM R7MM3)
SERIAL # 71163364 ROUND 260 FRONT TAKEDOWN SCREW FAIL OUT (RETIGHTEN)
1 STEM HIGH (AMMO REM R7MM3)
SHORT STROKE CAUSED DOUBLE FEED
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 0 MALFUNCTIONS
CLEANED AND INSPECTED OK
500 RDS 1 BOLT OVERRIDE (AMMO REM R300W2)
CLEANED AND INSPECTED OK

S.A.A.M.I. DROPS
CAL 30.06 SPRG
GUN A-1 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163360 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

GUN A-2 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163358 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

CAL 270 WIN
GUN A-6 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163349 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

GUN A-8 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163354 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

CAL 7MM REM MAG
GUN A-9 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163355 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

GUN A-10 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163353 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS) ON INSPECTION GUN HAD BROKEN TANG,
REPLACED INSERT

CAL 300 WIN MAG
GUN A-13 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163351 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS) ON INSPECTION GUN HAD BROKEN TANG,
REPLACED INSERT

GUN A-14 S.A.A.M.I. JAR-OFF (PASS)
SERIAL # 71163363 S.A.A.M.I. ROTATION (PASS)
S.A.A.M.I. DROP (PASS)

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EXTENDED DROP TESTING

CAL 30.06 SPRG

GUN A-1 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163380 EXTENDED JAR-OFF 24" GUN FAILED ONCE (STOPPED TEST)

GUN A-2 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163358 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

CAL 270 WIN

GUN A-6 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163349 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED TWICE (STOPPED TEST)
EXTENDED ROTATION (PASS)
EXTENDED DROP 72" (PASS) ON INSPECTION GUN HAD BROKEN
TANG (STOPPED TEST)

GUN A-8 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163354 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)
EXTENDED ROTATION (PASS)
EXTENDED DROP 72" GUN FAILED TWICE. GUN HAD BROKEN INSERT
ON PREVIOUS DROP CAUSING GUN TO FAIL. (STOPPED TEST)

CAL 7MM REM MAG

GUN A-9 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163355 EXTENDED JAR-OFF 24" GUN FAILED ONCE (STOPPED TEST)

GUN A-10 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163353 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

CAL 300 WIN MAG

GUN A-13 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163351 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" (PASS)
EXTENDED JAR-OFF 48" (PASS) ON INSPECTION GUN HAD BROKEN
TANG (REPLACED)
ROTATION (PASS) BROKE STOCK (REPLACED)
EXTENDED DROP 72" (PASS) ON INSPECTION GUN HAD BROKEN
TANG. (REPLACED)
EXTENDED DROP 96" GUN FAILED ONCE. GUN HAD BROKEN INSERT
ON PREVIOUS DROP CAUSING GUN TO FAIL. (STOPPED TEST)

GUN A-14 EXTENDED JAR-OFF 18" (PASS)
SERIAL # 71163363 EXTENDED JAR-OFF 24" (PASS)
EXTENDED JAR-OFF 36" GUN FAILED ONCE (STOPPED TEST)

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ETE00000550

SAFETY OPERATIONS (S.A.A.M.I.)

CAL 300 WIN MAG

GUN A-13

PASS

SERIAL # 71163351

1

2

3

AVG

ENGAGEMENT

0.0251

0.0251

0.0248

0.02500

TRIGGER PULL

4.969

4.930

5.036

5.005

5.048

AVG

4.998

NOTE: STRIPPED ENGAGEMENT SCREW IN HOUSING.
(PUSHING TRIGGER FROM REAR OF TRIGGER FORWARD)

GUN A-14

PASS

SERIAL # 71163351

1

2

3

AVG

ENGAGEMENT

0.0251

0.0251

0.0248

0.02500

TRIGGER PULL

4.969

4.930

5.036

5.005

5.048

AVG

4.998

40lb TRIGGER PULL TEST

REMINGTON

GUN A-13

PASS

SERIAL # 71163351

1

2

3

AVG

ENGAGEMENT

0.0251

0.0251

0.0248

0.02500

TRIGGER PULL

4.969

4.930

5.036

5.005

5.048

AVG

4.998

MEASUREMENT START

MEASUREMENT END

1 28/32"

1 29/32"

GUN A-14

PASS

SERIAL # 71163351

1

2

3

AVG

ENGAGEMENT

0.0251

0.0251

0.0248

0.02500

TRIGGER PULL

4.969

4.930

5.036

5.005

5.048

AVG

4.998

MEASUREMENT START

MEASUREMENT END

1 25/32"

1 27/32"