

	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			

Subject to Protective Order - Williams v. Remington

ETE00000589

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				

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	0.0269	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	0.026	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									

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			

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	6.066	5.931	6.001	5.996	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						

Subject to Protective Order - Williams v. Remington

ETE00000593

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	6.28	6.62	6.503	2.24	2.12	2.06	2.140
SERIAL # 71163359								
				AVG				AVG
CAL 300 WIN MAG								
GUN A-13	6.56	6.06	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	5.66	5.42	5.76	5.680	2.36	2.48	2.44	2.426
SERIAL # 71163364								

BOLT LIFT AND CLOSING FORCES									WITH DUMMY ROUNDS				WITH DUMMY ROUNDS			
	BOLT LIFT FORCES				BOLT CLOSING FORCES				BOLT LIFT FORCES				BOLT CLOSING FORCES			
	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG	1	2	3	AVG
CAL 30.06 SPRG																
GUN A-1	15.90	16.34	15.86	16.03	15.66	16.46	16.94	16.35	19.70	17.12	19.24	18.68	16.92	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	17.76	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	17.95	17.88	14.14	14.44	14.30	14.49	19.90	19.22	18.68	19.26	16.40	17.08	16.68	16.72
SERIAL # 71163352																
CAL 270 WIN																
GUN A-5	19.98	18.20	19.46	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	14.36	14.76	17.10	17.02	17.04	17.05	16.98	16.02	16.16	16.38
SERIAL # 71163349																
GUN A-7	16.14	16.58	17.38	16.70	15.62	15.92	15.58	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	18.92	20.68	21.16	21.56	21.20
SERIAL # 71163354																
CAL 7MM REM MAG																
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	17.96	18.34	18.68
SERIAL # 71163353																
GUN A-11	18.66	18.82	19.82	19.10	21.92	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	24.60	23.01
SERIAL # 71163359																
CAL 300 WIN MAG																
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	18.44	20.10	19.34	19.29	14.00	16.50	13.30	14.60	19.32	20.88	21.00	20.40	16.18	17.14	15.74	16.35
SERIAL # 71163363																
GUN A-15	20.34	19.30	20.44	19.98	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																

CAL 30.06 SPRG
GUN A-1
SERIAL # 71163360
GUN A-2
SERIAL # 71163358
GUN A-3
SERIAL # 71163365
GUN A-4
SERIAL # 71163352

CAL 270 WIN
GUN A-5
SERIAL # 71163350
GUN A-6
SERIAL # 71163349
GUN A-7
SERIAL # 71163356
GUN A-8
SERIAL # 71163354

CAL 7MM REM MAG
GUN A-9
SERIAL # 71163355
GUN A-10
SERIAL # 71163353
GUN A-11
SERIAL # 71163357
GUN A-12
SERIAL # 71163359

CAL 300 WIN MAG
GUN A-13
SERIAL # 71163351
GUN A-14
SERIAL # 71163363
GUN A-15
SERIAL # 71163364