

SKU	Caliber	Serial #	Firearm #	Description	Headspace & Proof				Force Measurement				Dimensional Measurement				Function & Encurance				
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
					Measure Headspace					Firing Pin Indent	Repeat	Trigger Pull Force	Safe On Force	Safe Off Force	Safety Operation / Saw Lift	40 lb. Trigger Pull				Field Function	Ext. Firing & End -1000 rds
27491	223 Rem	G6710034	A-1		◆				◆		◆	◆	◆	◆	◆					◆	◆
84286	300 Win Mag	TT009856	A-2		◆				◆		◆	◆	◆	◆	◆					◆	◆
27475	243 Win	G6775952	A-3		◆				◆		◆	◆	◆	◆	◆					◆	◆
88053	270 WSM	S7668002	A-4		◆				◆		◆	◆	◆	◆	◆					◆	◆
27011	270 Win	G6794912	A-5		◆				◆		◆	◆	◆	◆	◆					◆	◆
84286	300 Win Mag	TT009886	A-6		◆				◆		◆	◆	◆	◆	◆					◆	◆
27337	30-06 Sprgfld	D6634319	A-7		◆				◆		◆	◆	◆	◆	◆					◆	◆
27491	223 Rem	G6710045	A-8		◆				◆		◆	◆	◆	◆	◆					◆	◆
84286	300 Win Mag	TT009620	A-9		◆				◆		◆	◆	◆	◆	◆					◆	◆
27011	270 Win	G6794916	A-10		◆				◆		◆	◆	◆	◆	◆					◆	◆
88053	270 WSM	S7666149	A-11		◆				◆		◆	◆	◆	◆	◆					◆	◆
27011	270 Win	G6794918	A-12		◆				◆		◆	◆	◆	◆	◆					◆	◆

X Mark Pro EA

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♦ ♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-13	TT009888	300 Win Mag	84266
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-14	S7666151	270 WSM	88053
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-15	G6710093	223 Rem	27491
♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-16	G6794937	270 Win	27011
♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-17	G6775976	243 Win	27475
♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-18	D6634391	30-06 Sprgfld	27337
♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-19	D6634389	30-06 Sprgfld	27337
♦ ♦					♦ ♦ ♦ ♦ ♦ ♦	♦		♦	A-20	G6775991	243 Win	27475
				♦		♦			A-21	TT010146	300 WSM	84266
						♦			A-22	TT010147	300 WSM	84266
						♦			A-23	TT010152	300 WSM	84266
				♦		♦			A-24	G6794928	270 Win	27011
						♦			A-25	G6794926	270 Win	27011
						♦			A-26	G6795071	270 Win	27011
				♦		♦			A-27	S7666167	270 WSM	88053

X Mark Pro EA

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										A-28	S7666183	270 WSM	86053
										A-29	S7666215	270 WSM	86053
										A-30	G6714165	223 Rem	27491
										A-31	G6714181	223 Rem	27491
										A-32	G6714199	223 Rem	27491
										A-33	D6634401	30-06 Sprgflr	27337
										A-34	D6634412	30-06 Sprgflr	27337
										A-35	D6634316	30-06 Sprgflr	27337
										A-36	G6776006	243 Win	27475
										A-27	G6776016	243 Win	27475
										A-38	G6776018	243 Win	27475
											TA-1 Trig Assy		---
											TA-2 Trig Assy		---
											TA-3 Trig Assy		---
											TA-4 Trig Assy		---

X Mark Pro EA

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X Mark Pro EA

			Ext. Func. & End -2000 rds								♦	♦	♦	♦	♦	♦
			Ext. Func. & End -3000 rds										♦	♦	♦	
			T Dry Cycle - 10,000 Cycles													
			U Clean & inspect	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
	Acc	V			♦											
		W														
	Enviro nment	X														
		Y														
		Z														
		AA														
		AB														
	Abu sive	AC SAAMI Drop														
		AD SAAMI Jor off														
		AE SAAMI Rotation														
		AF														
		AG														
		AH														
		AI														
		AJ														

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X Mark Pro EA

Complete

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A large grid with 10 columns and 20 rows. The first column is shaded gray and contains four black diamonds at rows 1, 4, 7, and 10. The eighth column is shaded gray and contains a 4x3 grid of black diamonds at rows 1-4, 8-11, 15-18, and 20.

X Mark Pro EA

7						
3						
0						
0						
0						
10						
20						
0						
0						
0						
0						
0						
0						
18						
18						
18						
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Sect.	Description	SKU	Caliber	Serial #	Firearm #	Headspace & Proof				Force Measurement				Dimensional Measurement				Function & Encurance						
						A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
	Measure Headspace									Trigger Pin Indent	Slam Test	Regain	Trigger Pull Force	Safe On Force	Safe Off Force	Safety Operation / Sear Lift							Field Function	Ext. Func. & End 500 rds
A-1	G6710034	27491	223 Rem			◆				◆		◆	◆	◆	◆								◆	◆
A-2	TT009856	84286	300 Win Mag			◆				◆			◆	◆	◆	◆							◆	◆
A-3	G6775952	27475	243 Win			◆				◆			◆	◆	◆	◆							◆	◆
A-4	S7666002	88055	270 WSM			◆				◆			◆	◆	◆	◆							◆	◆
A-5	G6794912	27011	270 Win			◆				◆			◆	◆	◆	◆							◆	◆
A-6	TT009886	84286	300 Win Mag			◆				◆			◆	◆	◆	◆							◆	◆
A-7	D6634319	27337	30-06 Sprgfld			◆				◆			◆	◆	◆	◆							◆	◆
A-8	G6710045	27491	223 Rem			◆				◆			◆	◆	◆	◆							◆	◆
A-9	TT009620	84286	300 Win Mag			◆				◆			◆	◆	◆	◆							◆	◆
A-10	G6794916	27011	270 Win			◆				◆			◆	◆	◆	◆							◆	◆

X Mark Pro EA

♦ ♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-11	S7666149	270 WSM	86053
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-12	G6794918	270 Win	27011
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-13	TT009888	300 Win Mag	84266
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-14	S7666151	270 WSM	86053
♦ ♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-15	G6710093	223 Rem	27481
♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-16	G6794937	270 Win	27011
♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-17	G6775976	243 Win	27475
♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-18	D6634391	30-06 Sprgfld	27337
♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-19	D6634389	30-06 Sprgfld	27337
♦ ♦					♦ ♦ ♦ ♦ ♦	♦		♦	A-20	G6775991	243 Win	27475
					♦	♦			A-21	TT010146	300 WSM	84266
						♦			A-22	TT010147	300 WSM	84266
						♦			A-23	TT010152	300 WSM	84266
					♦	♦			A-24	G6794928	270 Win	27011
						♦			A-25	G6794926	270 Win	27011

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																		A-26	G6795071	270 Win	27011
																		A-27	S7666167	270 WSM	86055
																		A-28	S7666183	270 WSM	86055
																		A-29	S7666215	270 WSM	86055
																		A-30	G6714165	223 Rem	27491
																		A-31	G6714181	223 Rem	27491
																		A-32	G6714199	223 Rem	27491
																		A-33	D6634401	30-06 Sprgfld	27337
																		A-34	D6634412	30-06 Sprgfld	27337
																		A-35	D6634316	30-06 Sprgfld	27337
																		A-36	G6776006	243 Win	27475
																		A-37	G6776016	243 Win	27475
																		A-38	G6776018	243 Win	27475
																			TA-1 Trig Assy		---
																			TA-2 Trig Assy		---

X Mark Pro EA

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X Mark Pro EA													
		Ext. Func. & End.-2000 rds									♦	♦	
		Ext. Func. & End.-3000 rds										♦	
Ac	c.	T	Dry Cycle : 10,000 Cycles										
		U	Clean & Inspect	♦	♦	♦	♦	♦	♦	♦	♦	♦	
		V											
Enviro	nment	W											
		X											
		Y											
		Z											
		AA											
		AB											
Abu	sive	AC	SAAMI Drop										
		AD	SAAMI Jar-off										
		AE	SAAMI Rotation										
		AF											
		AG											
		AH											
		AI											
Need 270 WSM Ammo													

X Mark Pro EA										Complete									

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Measurements

	Initial Measurements					
	Caliber	Serial #	Trigger Pull (lbs)	Safety Force (lbs)		Firing Pin Indent (in)
				To On	To Off	
A1	223 Rem	G6710034	3.4	6.2	3.6	0.0213
A2	300 Win Mag	TT009856	3.4	5.5	2.9	0.0217
A3	243 Win	G6775952	3.7	6.3	3.6	0.0208
A4	270 WSM	S7666002	3.6	6.2	3.7	0.0202
A5	270 Win	G6794912	3.5	5.9	3.6	0.0208
A6	300 Win Mag	TT009886	3.7	6.7	3.2	0.0220
A7	30-06 Sprgfld	D6634319	3.5	5.5	3.4	0.0208
A8	223 Rem	G6710045	3.5	5.5	3.4	0.0208
A9	300 Win Mag	TT009620	3.5	5.7	3.1	0.0217
A10	270 Win	G6794916	3.2	5.8	2.8	0.0217
A11	270 WSM	S7666149	3.3	5.8	3.2	0.0197
A12	270 Win	G6794918	3.5	5.7	3.1	0.0217
A13	300 Win Mag	TT009888	3.6	6.3	3.0	0.0217
A14	270 WSM	S7666151	3.6	6.1	2.7	0.0192
A15	223 Rem	G6710093	3.7	6.2	3.1	0.0212
A16	270 Win	G6794937	3.4	6.2	3.0	0.0127
A17	243 Win	G6775976	3.4	5.9	3.1	0.0208
A18	30-06 Sprgfld	D6634391	3.4	6.0	3.2	0.0218
A19	30-06 Sprgfld	D6634389	3.6	5.3	3.1	0.0210
A20	243 Win	G6775991	3.4	5.2	3.0	0.0205
	Averages		3.5	5.9	3.2	0.0206

		Endurance Function Measurements				
			500 rds			1000 rds
			Trigger Pull (lbs)	Sear Lift (in)	Headspace Min + (in.)	Trigger Pull (lbs)
	Caliber	Serial #				
A1	223 Rem	G6710034	5.8	0.013	0.001	==
A2	300 Win Mag	TT0C9856	3.7	0.011	0.001	==
A3	243 Win	G6775952	4.7	0.012	0.001	==
A4	270 WSM	S7666002	4.4	0.013	0.002	==
A5	270 Win	G6794912	3.7	0.012	0.000	==
A6	300 Win Mag	TT0C9886	==	==	==	3.7
A7	30-06 Sprgfld	D6634319	==	==	==	3.9
A8	223 Rem	G6710045	==	==	==	3.9
A9	300 Win Mag	TT0C9620	==	==	==	
A10	270 Win	G6794916	==	==	==	5.7
A11	270 WSM	S7666149	==	==	==	33
A12	270 Win	G6794918	==	==	==	3.5
A13	300 Win Mag	TT0C9888	==	==	==	
A14	270 WSM	S7666151	==	==	==	
A15	223 Rem	G6710093	==	==	==	5.5

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Measurements

Sear Lift (in.)	Headspace Min + (in.)
0.013	0.002
0.012	0.001
0.012	0.001
0.013	0.002
0.012	0.000
0.014	0.000
0.012	0.002
0.012	0.002
0.011	0.001
0.013	0.000
0.012	0.002
0.012	0.001
0.012	0.000
0.012	0.002
0.012	0.002
0.012	0.000
0.013	0.001
0.012	0.000
0.100	0.000
0.012	0.003
0.017	0.001

		2000 rds			3000 rds		
Sear Lift (in)	Headspace Min + (in.)	Trigger Pull (lbs)	Sear Lift (in)	Headspace Min + (in.)	Trigger Pull (lbs)	Sear Lift (in)	Headspace Min + (in.)
0.014	0.001						
0.012	0.001	3.5	0.012	0.002			
0.012	0.001						
0.013	0.000	5.7	0.012	0.000	3.4	0.012	0.000
0.012	0.002						
0.012	0.000	3.4	0.012	0.000			
0.012	0.002						

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Measurements

A16	270 Win	G6794937	—	—	—	6
A17	243 Win	G6775976	3.6	0.013	0.001	—
A18	30-06 Sprgflld	D6634391	3.4	0.011	0.000	—
A19	30-06 Sprgflld	D6634389	5.2	0.010	0.001	—
A20	243 Win	G6775991	4.0	0.012	0.003	—

Measurements for Drop & Slam Test						
Caliber		Serial #	Trigger Pull (lbs)	Safety Force (lbs)		Firing Pin Indent (in)
				To On	To Off	
A21	300 WSM	TT010146	3.1	5.4	3.2	0.0217
A22	300 WSM	TT010147	3.0	5.2	3.1	0.0207
A23	300 WSM	TT010152	3.0	6.0	2.8	0.0215
A24	270 Win	G6794927	3.0	5.7	3.2	0.0220
A25	270 Win	G6794930	3.0	6.2	3.4	0.0220
A26	270 Win	G6795071	3.0	5.3	3.0	0.0212
A27	270 WSM	S7666167	3.0	5.1	3.4	0.0195
A28	270 WSM	S7666183	3.0	5.8	2.5	0.0190
A29	270 WSM	S7666215	3.0	6.5	3.5	0.0205
A30	223 Rem	G6714165	3.0	5.4	3.0	0.0213
A31	223 Rem	G6714181	3.0	6.5	3.0	0.0215
A32	223 Rem	G6714199	3.0	6.8	2.7	0.0215
A33	30-06 Sprgfld	D6634401	3.0	5.4	2.9	0.0218
A34	30-06 Sprgfld	D6634412	3.0	6.7	2.9	0.0215
A35	30-06 Sprgfld	D6634316	3.0	5.4	3.1	0.0203
A36	243 Win	G6776006	3.0	6.8	3.9	0.0210
A37	243 Win	G6776016	3.0	5.3	2.9	0.0210
A38	243 Win	G6776018	3.0	5.2	3.0	0.0213
Averages			3.0	5.8	3.1	0.0211

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Measurements

0.012	0.000						

Sear Lift (in.)	Headspace Min + (in.)	Trigger Pull (lbs) After Drop
0.012	0.001	3.3
0.012	0.001	2.9
0.012	0.001	3.0
0.012	0.000	2.9
0.012	0.000	Bolt Handle Broke @ Braze
0.011	0.000	3.1
0.012	0.002	3.0
0.012	0.003	2.6
0.012	0.001	2.7
0.013	0.001	3.3
0.011	0.001	3.5
0.013	0.001	3.2
0.011	0.000	3.4
0.012	0.001	3.1
0.012	0.001	3.6
0.013	0.001	3.3
0.012	0.003	3.3
0.012	0.001	3.3
0.012	0.001	3.1

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M/700 M/7 EA XMarkPro
Trial and Pilot

Slam							
Firearm #	Serial #	Protrusion	Safety in Safe Position	Safety in Fire Position	Firing Pin Indent	40 # Trigger Pull	
A21	TT010146	0.0585	OK	OK	0.0217	OK	
A22	TT010147	0.0605	OK	OK	0.0207		
A23	TT010152	0.0555	OK	OK	0.0215		
A24	G6794927	0.0525	OK	OK	0.0220		
A25	G6794930	0.0540	OK	OK	0.0220		
A26	G6795071	0.0555	OK	OK	0.0212		
A27	S7666167	0.0490	OK	OK	0.0195		
A28	S7666183	0.0560	OK	OK	0.0190		
A29	S7666215	0.0505	OK	OK	0.0205		
A30	G6714165	0.0535	OK	OK	0.0212		
A31	G6714181	0.0570	OK	OK	0.0215		
A32	G6714199	0.0535	OK	OK	0.0215		
A33	D6634401	0.0505	OK	OK	0.0218		
A34	D6634412	0.0580	OK	OK	0.0215		
A35	D6634316	0.0525	OK	OK	0.0203		
A36	G6776006	0.0595	OK	OK	0.0212		
A37	G6776016	0.0485	OK	OK	0.0210		
A38	G6776018	0.0570	OK	OK	0.0198		

Procedure: Slam and cam the bolt 5 times in the fire and safe positions, recording any malfunctions.

M/700 LH XMarkPro
Trial Pilot

JAR OFF TEST (See S.A.A.M.I. volume VII, centerfire rifle, section 7-95.04)					
12 inch drop measured from the lowest point of the firearm. Firearm in the SAFE OFF position.					
Fire Arm	Serial #	BV, MU	BV, MD	BH, BD	
A21	TT010146	OK	OK	OK	
A22	TT010147	OK	OK	OK	
A23	TT010152	OK	OK	OK	
A24	G6794928	OK	OK	OK	
A25	G6794926	OK	OK	OK	
A26	G6795071	OK	OK	OK	
A27	S7666167	OK	OK	OK	
A28	S7666183	OK	OK	OK	
A29	S7666215	OK	OK	OK	
A30	G6714165	OK	OK	OK	
A31	G6714181	OK	OK	OK	
A32	G6714199	OK	OK	OK	
A33	D6634401	OK	OK	OK	
A34	D6634412	OK	OK	OK	
A35	D6634316	OK	OK	OK	
A36	G6776006	OK	OK	OK	
A37	G6776016	OK	OK	OK	
A38	G6776018	OK	OK	OK	

DROP TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7-95.02)					
48 inch drop measured from the center of gravity of the firearm. Firearm in the SAFE ON position.					
Fire Arm	Serial #	BV, MU	BV, MD	BH, BD	
A21	TT010146	OK	OK	OK	
A22	TT010147	OK	OK	OK	
A23	TT010152	OK	OK	OK	
A24	G6794928	OK	OK	OK	
A25	G6794926	OK	OK	OK	
A26	G6795071	OK	OK	OK	
A27	S7666167	OK	OK	OK	
A28	S7666183	OK	OK	OK	
A29	S7666215	OK	OK	OK	
A30	G6714165	OK	OK	OK	
A31	G6714181	OK	OK	OK	
A32	G6714199	OK	OK	OK	
A33	D6634401	OK	OK	OK	
A34	D6634412	OK	OK	OK	
A35	D6634316	OK	OK	OK	
A36	G6776006	OK	OK	OK	
A37	G6776016	OK	OK	OK	
A38	G6776018	OK	OK	OK	

ROTATION TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7-95.03)					
With the butt on the mat, let the firearm fall to the right & left. Firearm in the SAFE ON position.					
		LEFT SIDE UP			
A21	TT010146	OK	OK	OK	

M/700 LH XMarkPro
Trial Pilot

BH, BU	BH, RSU	BH, LSU
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK

BH, BU	BH, RSU	BH, LSU
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK

	RIGHT SIDE UP	
OK	OK	OK

M/700 LH XMarkPro
Trial Pilot

A22	TT010147	OK	OK	OK
A23	TT010152	OK	OK	OK
A24	G6794928	OK	OK	OK
A25	G6794926	OK	OK	OK
A26	G6795071	OK	OK	OK
A27	S7666167	OK	OK	OK
A28	S7666183	OK	OK	OK
A29	S7666215	OK	OK	OK
A30	G6714165	OK	OK	OK
A31	G6714181	OK	OK	OK
A32	G6714199	OK	OK	OK
A33	D6634401	OK	OK	OK
A34	D6634412	OK	OK	OK
A35	D6634316	OK	OK	OK
A36	G6776006	OK	OK	OK
A37	G6776016	OK	OK	OK
A38	G6776018	OK	OK	OK

DROP ORDER	FIREARM ATTITUDES		
1	BARREL VERTICAL, MUZZLE UP		
2	BARREL VERTICAL, MUZZLE DOWN		
3	BARREL HORIZONTAL, BOTTOM DOWN		
4	BARREL HORIZONTAL, BOTTOM UP		
5	BARREL HORIZONTAL, RIGHT SIDE UP		
6	BARREL HORIZONTAL, LEFT SIDE UP		

M700 LH XMarkPro
Trial Pilot

OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK
OK	OK	OK

BH	Barrel Horizontal	
BV	Barrel Vertical	
MU	Muzzle Up	
MD	Muzzle Down	
BD	Bottom Down	
BU	Bottom Up	
LSU	Left Side Up	
RSU	Right Side Up	

M700 LH XMkPro
Trial Pilot
SAAMI Drop

Cell: F42
Comment: Magazine opened

Model 7 X Mark Pro
Trial Pilot

Fire Control 1 M/700				Fire Control 2 M/700			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	3.5	4.2	4.8	1	3.4	4.5	4.7
2	3.5	4.4	4.5	2	3.5	4.3	4.6
3	3.4	4.7	4.4	3	3.5	4.5	4.3
4	3.5	4.8	4.5	4	3.6	4.5	4.3
5	3.5	4.5	4.3	5	3.4	4.3	4.5
Average	3.48	4.52	4.5	Average	3.48	4.42	4.48
Sear Lift	0.012	0.01	0.01	Sear Lift	0.011	0.011	0.011
Safe Off / On	2.7 / 6.0	2.3 / 4.8	2.4 / 4.7	Safe Off / On	2.9 / 6.2	2.5 / 5.8	2.2 / 5.3

Fire Control 3 M/700				Fire Control 4 M/700			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	3.6	3.7	3.7	1	3.5	4.8	4.8
2	3.5	3.8	3.8	2	3.4	4.7	4.8
3	3.5	3.8	4.1	3	3.6	4.5	5.2
4	3.5	3.6	3.6	4	3.5	4.4	5.2
5	3.3	3.7	3.8	5	3.5	4.4	5.0
Average	3.48	3.72	3.80	Average	3.5	4.56	5.0
Sear Lift	0.011	0.011	0.011	Sear Lift	0.012	0.012	0.011
Safe Off / On	2.9 / 5.5	2.5 / 5.4	2.5 / 5.0	Safe Off / On	2.8 / 5.5	2.6 / 5.9	2.3 / 5.1

Fire Control 5 M/700				Fire Control 6 M/700			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	3.5	3.5	4	1	3.5	4.3	4.7
2	3.3	3.7	3.7	2	3.5	4.3	4.4
3	3.4	3.4	3.8	3	3.6	4	4.5
4	3.4	3.6	3.7	4	3.5	3.9	4.5
5	3.6	3.5	3.7	5	3.4	4	4.6
Average	3.44	3.54	3.78	Average	3.5	4.1	4.54
Sear Lift	0.011	0.011	0.012	Sear Lift	0.011	0.011	0.011
Safe Off / On	3.1 / 7.0	3.4 / 7.1	3.2 / 6.9	Safe Off / On	2.9 / 6.2	2.5 / 5.8	2.5 / 5.0

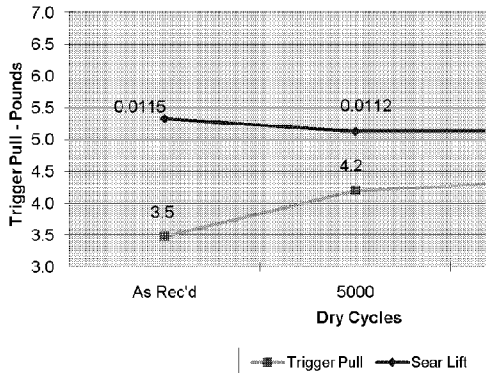
Fire Control 7 M/7				Fire Control 8 M/700			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	3.5	4.2	3.7	1	3.7	3.9	3.7
2	3.6	3.9	3.8	2	3.5	3.7	3.6
3	3.6	4	3.8	3	3.4	3.7	3.8
4	3.6	4	3.6	4	3.4	3.8	3.7
5	3.4	4.1	3.7	5	3.5	3.7	3.6
Average	3.54	4.04	3.72	Average	3.5	3.76	3.68
Sear Lift	0.011	0.011	0.011	Sear Lift	0.013	0.012	0.012
Safe On/ Off	2.4 / 6.0	2.0 / 5.0	2.0 / 5.1	Safe On/ Off	2.6 / 7.2	2.3 / 5.5	2.3 / 5.3

Fire Control 9 M/7				Fire Control 10 M/700			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	3.5	4.6	5.8	1	3.2	4.8	4.2
2	3.5	4.4	5.5	2	3.5	5.2	4.3
3	3.6	4.4	5.7	3	3.3	5.2	4.3
4	3.6	4.5	5.2	4	3.3	4.9	4.1
5	3.7	4.3	5.4	5	3.2	4.7	4

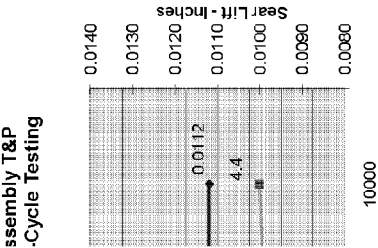
Tr Assy	Trigger Pull		
1	3.5	4.5	4.5
2	3.5	4.4	4.8
3	3.5	3.7	3.8
4	3.5	4.6	5.0
5	3.4	3.5	3.8
6	3.5	4.1	4.5
7	3.5	4.0	3.7
8	3.5	3.8	3.7
9	3.6	4.4	5.5
10	3.3	5.0	4.2
Avg	3.5	4.2	4.4

Tr Assy	Sear Lift		
1	0.012	0.010	0.010
2	0.011	0.011	0.011
3	0.011	0.011	0.011
4	0.012	0.012	0.011
5	0.011	0.011	0.012
6	0.011	0.011	0.011
7	0.011	0.011	0.011
8	0.013	0.012	0.012
9	0.011	0.012	0.012
10	0.012	0.011	0.011
Avg	0.0115	0.0112	0.0112

M/700 & M/7 XMP Adjustable Trigger As
Change in Measurements Through Dry-



Model 7 X Mark Pro
Trial Pilot



Model 7 X Mark Pro
Trial Pilot

Average	3.58	4.44	5.52	Average	3.3	4.96	4.18
Sear Lift	0.011	0.012	0.012	Sear Lift	0.012	0.011	0.011
Safe Off / On	2.4 / 5.3	2.2 / 5.7	2.1 / 4.9	Safe Off / On	2.7 / 6.7	2.8 / 6.1	2.6 / 5.3

O/A Avgs	As Rec'd	5000	10000
Trigger Pull	3.5	4.2	4.4
Sear Lift	0.0115	0.0112	0.0112

Model 7 X Mark Pro
Trial Pilot

Endurance

SORTED BY SERIAL NUMBER				
Serial #	Tester	Ammo	# of Malf. Doesn't Eject	
G6775952	Morris	SBST270SA	4	D6634319
		Total	4	D6634391
				G6775952
				S7666149
			0	S7666151
				TT009620
			0	TT009856
				TT009886
			0	TT009888
				G6710034
			0	G6794912
				G6710045
			0	G6794916
				G6794918
			0	G6710093
				G6794937
			0	G6775976
				D6634389
			0	G6775991
			0	

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12/1/2005

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12/8/2005

Endurance Summary

Ammunition		Description			
BOR	Bolt Over Ride				
SI	Stems Incline				
SLC	Stems Left Chamber				
SOR	Stern Override				
SRC	Stems Right Chamber				
SC	Stems Chamber				

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12/8/2005

Field Test

SORTED BY SERIAL NUMBER				
Serial #	Tester	Ammo	# of Malf.	Malfunction
S7666002	Paestella	P270WSMC	1	Doesn't Eject
S7666002	Farrington	SBST270SA	2	Doesn't Eject
S7666002	Paestella	SBST270SA	1	Doesn't Eject
	Total		4	
D6634319	Paestella	R30065	1	Bolt Over Ride
	Total		1	
D6634391	Paestella	R30062	1	Bolt Over Ride
	Total		1	
G6775952	Kucharski	X2432	1	Bolt Over Ride
	Total		1	
			0	
			0	
			0	
			0	
			0	
	Total		0	
S7666149			0	
S7666151			0	
TT009620			0	
TT009856			0	
TT009886			0	
TT009888			0	
G6710034			0	
G6794912			0	
G6710045			0	
G6794916			0	
G6794918			0	
G6710093			0	
G6794937			0	
G6775976			0	
D6634389			0	
G6775991			0	

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12/1/2005

Field Test Summary

	MALFUNCTIONS SORTED BY SERIAL NUMBER														
	Serial #	Caliber	# of Malf	# of Rds. Fired						Malf. Rate	Malfunction				
											BOR	DE	SLC	SOR	SRC
A1	G6710034	223 Rem	0	80	0.0%										
A2	TT009856	300 Win Mag	0	80	0.0%										
A3	G6775952	243 Win	1	80	1.3%	1									
A4	S7666002	270 WSM	4	80	5.0%		4								
A5	G6794912	270 Win	0	80	0.0%										
A6	TT009886	300 Win Mag	0	80	0.0%										
A7	D6634319	30-06 Sprgfltd	1	80	1.3%	1									
A8	G6710045	223 Rem	0	80	0.0%										
A9	TT009620	300 Win Mag	0	80	0.0%										
A10	G6794916	270 Win	0	80	0.0%										
A11	S7666149	270 WSM	0	80	0.0%										
A12	G6794918	270 Win	0	80	0.0%										
A13	TT009888	300 Win Mag	0	80	0.0%										
A14	S7666151	270 WSM	0	80	0.0%										
A15	G6710093	223 Rem	0	80	0.0%										
A16	G6794937	270 Win	0	80	0.0%										
A17	G6775976	243 Win	0	80	0.0%										
A18	D6634391	30-06 Sprgfltd	1	80	1.3%	1									
A19	D6634389	30-06 Sprgfltd	0	80	0.0%										
A20	G6775991	243 Win	0	80	0.0%										
TOTALS			7	1600	0.4%	3	4	0	0	0					

MALFUNCTIONS SORTED BY TESTER									
	Tester	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction				
					BO	DE	SLC	SOR	SRC
	Farrington	2	400	0.5%		2			
	Kucharski	1	400	0.3%	1				
	Morris	0	400	0.0%					
	Paestella	4	400	1.0%	2	2			
TOTALS		7	1600	0.4%	2	4	0	0	0

Field Test Summary

MALFUNCTIONS SORTED BY AMMO					
Ammo	# of Malf	# of Rds. Fired	Malf Rate	Malf	
				function	
				BO	DE
300WGS	0	40	0.0%		
BH300WMAG	0	40	0.0%		
L223R7	0	60	0.0%		
P270C	0	80	0.0%		
P270WSMC	1	60	1.7%		1
PRA223RB	0	60	0.0%		
PRA243WA	0	60	0.0%		
PRA270WSMC	0	60	0.0%		
PRA300WC	0	40	0.0%		
PRC270WB	0	80	0.0%		
PRC300WA	0	40	0.0%		
R223R2	0	60	0.0%		
R223R3	0	60	0.0%		
R243W1	0	60	0.0%		
R270W1	0	80	0.0%		
R30062	1	60	1.7%	1	
R30063	0	60	0.0%		
R30064	0	60	0.0%		
R30065	1	60	1.7%	1	
R300W1	0	40	0.0%		
RS300WA	0	40	0.0%		
SBST243	0	60	0.0%		
SBST270SA	3	60	5.0%		3
SBST300	0	40	0.0%		
X2432	1	60	1.7%	1	
X2704	0	80	0.0%		
X270WSM	0	60	0.0%		
X300WM2	0	40	0.0%		
TOTALS	7	1600	0.4%	3	4
				0	0
					0

Field Test Summary

Ammunition		Description			
R300W1	Remington	150 gr PSPCL			
R30065	Remington	180 gr Core- Lokt PSP			
R30064	Remington	180 gr Core-Lokt SP			
R30063	Remington	150 gr Bronze Point			
R30062	Remington	150 gr PSPCL			
R270W1	Remington	100 gr PSP			
R243W1	Remington	80 gr PSP			
R223R3	Remington	55 gr Metal Case			
R223R2	Remington	55 gr Power- Lokt HP			
PRC300WA	Remington	150 gr PSPCLU			
PRC270WB	Remington	140 gr PSPCLU			
PRA300WC	Remington	180 gr Accutip BoatTail			
PRA243WA	Remington	95 gr Accutip BoatTail			
PRA223RB	Remington	50 gr Accutip- V Boat Tail			
P270WSMC	Remington	150 gr Accutip BoatTail			
L223R7	Remington	45 gr JHP			
RS300WA	Remington	200 gr AFPSP			
PRA270WSMC	Remington	150gr AccuTip BoatTail			
X30WM2	Federal	180 gr Power Point			
P270C	Federal	150 gr Sierra GameKing BTSP			
BH300WMAG	Black Hills	190 gr BoatTail Hollow Point			
300WGS	Federal	150 gr Speer Hot- Cor SP			
X270WSM	Winchester	150 gr Power Point			
X2704	Winchester	150 gr Power Point			
X2432	Winchester	100 gr Power Point			
SBST300	Winchester	180 gr Ballistic SilverTip			
SBST270SA	Winchester	130 gr Ballistic SilverTip			
SBST243	Winchester	55 gr Ballistic Silvertip			

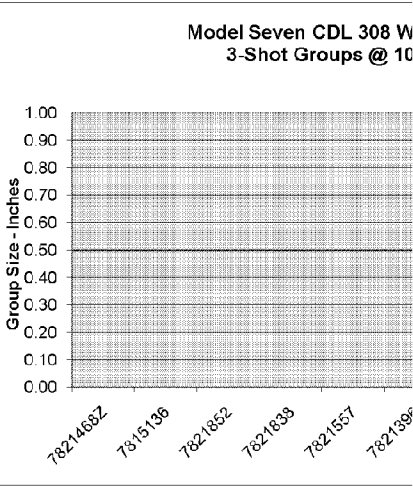
BOR	Bolt OverRide	
DE	Doesn't Eject	
SLC	Stems Left Chamber	
SOR	Stem Override	
SRC	Stems Right Chamber	

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12/8/2005

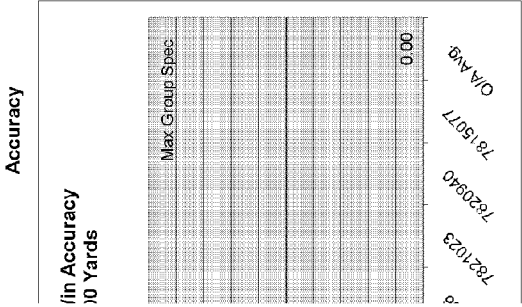
Accuracy

SERIAL #	Bore Dia.	Ammo	Range	GRP	Group Size	Horizontal Spread	Vertical Spread	Number of Shots
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9
			100 yds					
				AVG.	#DIV/0!	#DIV/0!	#DIV/0!	9



7821468Z				
7815136				
7821852				
7821838				
7821557				
7821396				
7821023				
7820940				
7815077				
O/A Avg.	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Spec = 2.0 w/3 shots



CENTERFIRE FIELD WORKSHEET

TEST: 260822

MODEL:

Total Rounds Fired

X Mark Pro Adjustable Trigger T&P

CALIBER:

Malfunctions

AMMUNITION	SHOOTER	NO. RDS.	FIRING	Loading	Closes Hard	Doesn't Eject	Doesn't Extract	Extractor Drops Shell	Follower Blinds	Hard Under Rail	Bolt Override	Stem Override	Opens Hard	High	Ste
1		ch													
1		ch													
1		ch													
1		ch													
2		ch													
2		ch													
2		ch													
2		ch													
3		ch													
3		ch													
3		ch													
3		ch													
4		ch													
4		ch													
4		ch													
4		ch													
5		ch													
5		ch													
5		ch													
5		ch													

CENTERFIRE FIELD WORKSHEET

TEST: 260822

MODEL:

Total Rounds Fired

X Mark Pro Adjustable Trigger T&P

700

CALIBER:

Malfunctions

AMMUNITION	SHOOTER	NO. RDS.	FIRING	Loading	Closes Hard	Doesn't Eject	Doesn't Extract	Extractor Drops Shell	Follower Blinds	Hard Under Rail	Bolt Override	Stem Override	Opens Hard	High	Ste
6		ch													

[illegible][illegible]

SUBJECT TO PROTECTIVE ORDER - KINZER V. REMINGTON

M/700			M/7		
Serial #	SKU	Caliber	Serial #	SKU	Caliber
D6634319	27337	30-06	7834821	85953	22-250
D6634391	27337	30-06	7835982	85953	22-250
D6634390	27337	30-06	7837370	85953	22-250
D6634401	27337	30-06	7837403	85953	22-250
D6634412	27337	30-06	7837475	85953	22-250
			7837672	85953	22-250
			7837676	85953	22-250
G6794912	27011	270 Win			
G6794916	27011	270 Win			
G6794918	27011	270 Win	S7666002	86053	270WSM
G6794927	27011	270 Win	S7666149	86053	270WSM
G6794930	27011	270 Win	S7666151	86053	270WSM
G6794937	27011	270 Win	S7666167	86053	270WSM
G6795071	27011	270 Win	S7666183	86053	270WSM
			S7666215	86053	270WSM
TT009620	84266	300WinMag			
TT009856	84266	300WinMag			
TT009886	84266	300WinMag			
TT009888	84266	300WinMag			
TT009901	84266	300WinMag			
TT009904	84266	300WinMag			
TT010047	84266	300WinMag			
TT010138	84268	300WSM			
TT010140	84268	300WSM			
TT010142	84268	300WSM			
TT010144	84268	300WSM			
TT010146	84268	300WSM			
TT010147	84268	300WSM			
TT010152	84268	300WSM			
G6710034	27491	223 Rem			
G6710045	27491	223 Rem			
G6710093	27491	223 Rem			
G6714165	27491	223 Rem			
G6714181	27491	223 Rem			
G6714199	27491	223 Rem			
G6775952	27475	243 Win			
G6775976	27475	243 Win			
G6775991	27475	243 Win			
G6776006	27475	243 Win			
G6776016	27475	243 Win			
G6776018	27475	243 Win			

Endurance

Seial #	Caliber	# of Rounds
1	G6710034 223 Rem	500
2	TT009856 300 Win Mag	500
3	G6775952 243 Win	500
4	S7666002 270 WSM	500
5	G6794912 270 Win	1000
6	TT009886 300 Win Mag	1000
7	D6634319 30-06	2000
8	G6710045 223 Rem	2000
9	TT009620 300 Win Mag	3000
10	G6794916 270 Win	3000
11	S7666149 270 WSM	3000
12	G6794918 270 Win	2000
13	TT009888 300 Win Mag	2000
14	S7666151 270 WSM	1000
15	G6710093 223 Rem	1000
16	G6794937 270 Win	500
17	G6775976 243 Win	500
18	D6634391 30-06	500
19	D6634389 30-06	500
20	G6775991 243 Win	500

M/700 X Mark Pro Adjustable Trigger T&P

GUN #
SERIAL #

Total Rds.	Action	Date	Tester	Comments
0	Measurements			
1000	1000 Rounds Jack Endurance			
0	Clean, Inspect, Measure			
2000	1000 Rounds Jack Endurance			
0	Clean, Inspect, Measure			
3000	1000 Rounds Jack Endurance			
0	Clean, Inspect, Measure			
	Field Test			

CENTERFIRE ENDURANCE WORKSHEET

Test: XMarkPro Adjustable Trigger

Model 700

Caliber

Previous Rounds:

NOTE: CYCLE SAFETY EVERY TIME RIFLE IS EMPTIED

AMMUNITION	TESTER	Doesn't Eject	Doesn't Extract
	JACK		Shell Stems Mag
	# ROUNDS		
	FIRING		
	Loading		

Date:

A-

Serial #

Shell Jumps Mag.	Follower Blinds	Bolt Override	Stem Override	High	Low	Right	Left	Opens Hard	Extractor Drops Shell				Comments

SAAMI DROP TEST WORKSHEET

TEST TITLE:	X Mark Pro Adjustable Trigger T&P
MODEL :	CALIBER:
Sear Lift:	
Firing Pin Indent:	
Head Space:	
Safety to On	
Safety to Off	
COMMENTS:	

JAR OFF TEST (See S.A.A.M.I. volume VII, centerfire rifle, section 7-95.04)
12 inch drop measured from the lowest point of the firearm. Firearm in the SAFE OFF position.

DROP ORDER	FIREARM ATTITUDES
1	BARREL VERTICAL, MUZZLE UP
2	BARREL VERTICAL, MUZZLE DOWN
3	BARREL HORIZONTAL, BOTTOM DOWN
4	BARREL HORIZONTAL, BOTTOM UP
5	BARREL HORIZONTAL, LEFT SIDE UP
6	BARREL HORIZONTAL, RIGHT SIDE UP

DROP TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7-95.02)
48 inch drop measured from the center of gravity of the firearm. Firearm in the SAFE ON position.

9	BARREL VERTICAL, MUZZLE UP
10	BARREL VERTICAL, MUZZLE DOWN
11	BARREL HORIZONTAL, BOTTOM DOWN
12	BARREL HORIZONTAL, BOTTOM UP
14	BARREL HORIZONTAL, LEFT SIDE UP
13	BARREL HORIZONTAL, RIGHT SIDE UP

ROTATION TEST (see S.A.A.M.I. volume VII, centerfire rifle, section 7-95.03)
With the butt on the mat, let the firearm fall to the right & left. Firearm in the SAFE ON position.

7	LEFT SIDE UP
8	RIGHT SIDE UP

DATE: _____		
SERIAL #:		
Trigger Pull (before drop):	Trigger Pull (after drop):	
1	1	
2	2	
3	3	
4	4	
5	5	
Average:		

RESULTS

MEASUREMENT WORKSHEET

TEST DESCRIPTION: X Mark Pro Adjustable Trigger T&P DATE:

TESTER: SERIAL #:

MODEL: CALIBER: A-

HEADSPACE AFTER PROOF: Min +

ROUND LEVEL:	READING	TRIGGER PULL (lbs)	SAFETY FORCE (lbs)		FIRING PIN INDENT (in)	SEAR LIFT
			to On	to Off		
0	1					
	2					
	3					
	4					
	5					
	AVERAGE					

	500 Rounds	
	TRIGGER PULL (lbs)	SEAR LIFT
1		
2		
3		HEADSPACE
4		
5		

OBSERVATIONS:

(Ilion Internal Movement Only)

PART 1

Returning Approval:

Current Inventory Location:

Warehouse Dept Approval:
(Any changes to this form after approval must be initiated by one of the above managers)

Disposition: (Final destination of firearm)

X

Reason:

SKU & Serial Number (s):

84268

84268

84268

84268

84268

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84268

PART 2 Warehouse Receipt -2nd Floor

Received In W/H By:

PART 3 Disposition Completed

(Return the original of this form to the Warehouse Group Leader when complete, a copy stays with the firearm)

Origination	Date:	Qty of Firearms:
	K. Farrington	
	ENGR	

Rework Order (Order Number:	
Warehouse/Repack (Firearm in warehouse condition - may need new box)	
WIP Sales (Arms Service Manager Approval:	
Employee Sales (Arms Service Manager Approval:	
SAP Sales Order (SAP Sales Order Number:	
Service Award (H.R. Approval:	
TECH (Engineering use only)	
Transfer to Engineering (NON-SAP) Charge Code	
PROD (Production Rework - Not On Rework Order)	
QAUD (Quality Audit or Warehouse Rework	
Custom Shop	
Other	

T & P Testing---Firearms not used

TT009901	85953	7834821
TT009904	85953	7835982
TT010138	85953	7837370
TT010140	85953	7837403
TT010142	85953	7837475
TT010144	85953	7837672
TT010147	85953	7837676

	Date:
(Firearm transferred & delivered to final destination)	
Received In :	Name:

From Master Scheduler) Project # 260822
_____)_____
_____)_____
_____)Originator to provide)

29553	S7660802
29553	S7660739
29553	S7660623
29553	S7660690

Date: