

Model 7 X Mark Pro
Trial Pilot

Fire Control 1				Fire Control 2			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	5.5	5.4	5.7	1	6.3	6.7	6.8
2	5.3	5.1	5.9	2	6	5.7	5.8
3	5.2	5.4	5.3	3	5.7	5.9	6.1
4	5.3	5.6	5.5	4	6.1	5.3	6
5	5.5	5.6	5.6	5	6.2	5.4	6
AV	5.36	5.42	5.6	AV	6.06	5.8	6.14
Sear Lift	0.0115	0.012	0.011	Sear Lift			

Tr Assy	Trigger Pull		
1	5.4	5.4	5.6
2	6.1	5.8	6.1
3	6.3	6.6	5.9
4	5.9	6.8	6.3
5	5.6	6.1	6.5
6	4.6	5.7	5.3
7	5.3	5.9	5.8
8	5.9	6.3	7.0
9	4.1	5.6	6.1
10	5.3	6.7	5.7
Avg	5.4	6.1	6.0

Fire Control 3				Fire Control 4			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	6.1	6.1	6.2	1	6.3	6.8	6.8
2	6.4	6.5	5.8	2	5.7	7	6.1
3	6.3	6.6	6.1	3	5.8	6.9	5.8
4	6.2	6.7	5.4	4	5.9	6.6	6.5
5	6.3	7.1	6.1	5	6	6.9	6.4
AV	6.26	6.6	5.92	AV	5.94	6.84	6.32
Sear Lift	0.01	0.01	0.012	Sear Lift	0.0105	0.01	0.01

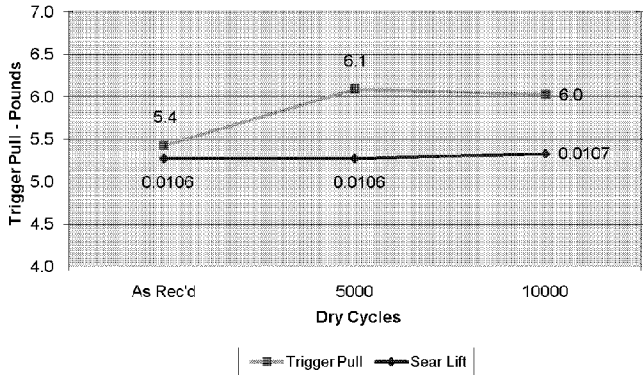
Tr Assy	Sear Lift		
1	0.012	0.012	0.011
2			
3	0.010	0.010	0.012
4	0.011	0.010	0.010
5	0.012	0.012	0.012
6	0.010	0.010	0.010
7	0.010	0.010	0.010
8	0.009	0.009	0.009
9	0.011	0.011	0.011
10	0.011	0.011	0.011
Avg	0.0106	0.0106	0.0107

Fire Control 5				Fire Control 6			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	5.9	6.4	6.7	1	5.2	6.3	5.1
2	5.8	5.9	6.5	2	4.6	5.7	5.3
3	5.1	5.7	6.2	3	4.3	5.7	5.2
4	5.6	6.2	6.3	4	4.2	5.6	5.3
5	5.4	6.2	6.7	5	4.5	5.4	5.7
AV	5.66	6.08	6.48	AV	4.66	5.74	5.32
Sear Lift	0.012	0.012	0.012	Sear Lift	0.01	0.01	0.01

Fire Control 7				Fire Control 8			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	5.9	5.8	5.9	1	5.8	6.2	7.1
2	5.5	5.9	5.9	2	6	6.1	6.8
3	5.1	6	5.4	3	5.6	6.4	7.2
4	5	5.7	5.8	4	6.1	6.7	7
5	5.2	6	5.8	5	5.9	5.9	6.7
AV	5.34	5.88	5.76	AV	5.88	6.26	6.96
Sear Lift	0.01	0.01	0.01	Sear Lift	0.009	0.009	0.009

Fire Control 9				Fire Control 10			
Trigger Pull	0	5000	10000	Trigger Pull	0	5000	10000
1	4.3	5.7	6.2	1	5.7	6.8	5.9
2	4.1	5.5	6	2	5.4	6.7	5.6
3	4.2	5.6	6.2	3	5.5	6.4	5.8
4	3.8	5.7	6	4	5	6.9	5.5
5	3.9	5.7	6.1	5	4.8	6.5	5.6

Model Seven XMP Trigger Assembly T&P
Change in Measurements Through Dry-Cycle Testing



Model 7 X Mark Pro
Trial Pilot

Sear Lift - Inches	
0.0140	
0.0130	
0.0120	
0.0110	
0.0100	
0.0090	
0.0080	

Model 7 X Mark Pro									
Trial Pilot									
AV		4.06	5.64	6.1	AV		5.28	6.66	5.68
Sear Lift		0.011	0.011	0.011	Sear Lift		0.011	0.011	0.011

O/A Avgs	As Rec'd	5000	10000
Trigger Pull	5.4	6.1	6.0
Sear Lift	0.0106	0.0106	0.0107

Model 7 X Mark Pro
Trial Pilot

Measurements

Initial Measurements							
Serial #	Trigger Pull (lbs)	Safety Force (lbs)		Firing Pin Indent (in)	Sear Lift (in.)	Bolt Lift Force (lbs)	
		To On	To Off			Cocked	Fired
7815136	3.8	2.7	1.4	0.0208	0.011	4.8	7.0
7821468Z	4.8	2.6	1.3	0.0207	0.012	5.0	6.6
7821557	4.5	5.8	3.0	0.0203	0.010	4.9	6.5
7821852	3.6	6.1	3.1	0.0203	0.012	4.2	6.2
7815077	3.8	5.9	2.7	0.0190	0.012	4.1	6.3
7820940	4.4	5.9	2.6	0.0185	0.012	4.4	6.1
7821396	3.8	2.7	1.4	0.0208	0.011	4.8	7.0
7821838	5.1	3.2	1.5	0.0205	0.010	4.3	7.2
7821023	4.5	5.6	4.6	0.0197	0.010	5.2	6.4
Average	4.3	4.5	2.4	0.0201	0.011	4.6	6.6

Serial #	Comments				Safety Arm	
	Sights					
7815136	OK				Rubs bolt plug	
7821468Z	No Sights (drilled & tapped)				Rubs bolt plug	
7821557	No Sights (drilled & tapped)				Rubs bolt plug	
7821852	No Sights (NOT drilled & tapped)				Rubs bolt plug	
7815077	OK				OK	
7820940	OK				Rubs bolt plug	
7821396	OK				Rubs bolt plug	
7821838	No Sights (NOT drilled & tapped)				OK	
7821023	No Sights (drilled & tapped)				Rubs bolt plug	

Measurements After Endurance					
Serial #	Trigger Pull (lbs)	Safety Force (lbs)	To Off	Headspace Min + (in.)	
		To On			
7815136	4.9	5.9	3.3	0.000	
7821468Z	6.1	6.1	2.8	0.003	
7821557	4.7	5.6	3.2	0.005	
7821852	4.5	6.0	3.3	0.002	
7815077	4.3	5.8	2.8	0.000	
7820940	4.2	6.3	2.9	0.000	
7821396	5.7	6.8	3.0	0.002	
7821838	5.1	5.4	3.2	0.004	
7821023	6.2	5.8	3.1	0.003	
Average	5.1	6.0	3.1	0.002	

SKU	27297
Sear Lift	.008 - .018
Trig Pull	3.5 to 5.5

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Measurements

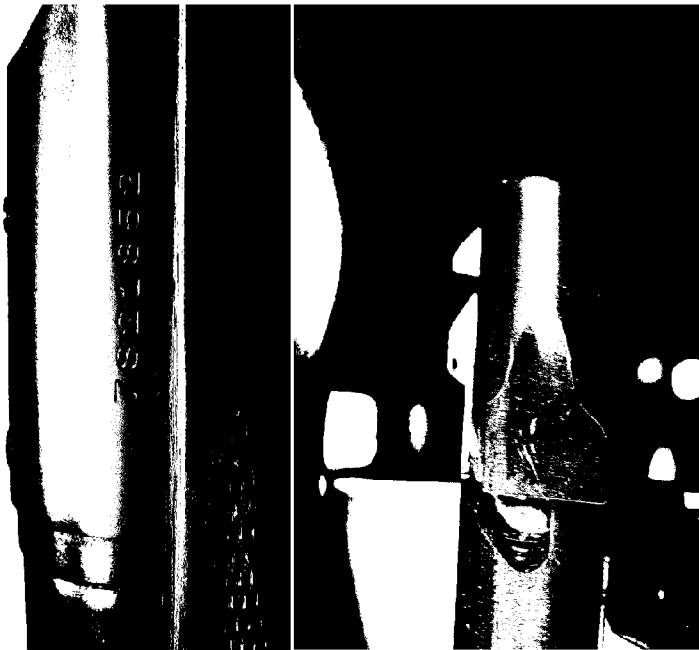
Headspace Min + (in.)
0.001
0.003
0.005
0.001
0.000
0.000
0.001
0.004
0.003
0.002

SEVEN CDL 308 WIN 20" W/SIGHTS

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Measurements



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Measurements

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Endurance

SORTED BY SERIAL NUMBER

Serial #	Tester	Ammo	# of Malf.	Malfunction
7815136	MP	R308W1	12	Stem Over Ride
7815136	MP	R308W1	1	Bolt Over Ride
		Total	13	
7821468Z	DT	R308W1	1	Stems Chamber Left
7821468Z	KF	R308W1	1	Stem Over Ride
		Total	2	
7821557	MP	R308W1	5	Stem Over Ride
		Total	5	
7821852	DT	R308W1	3	Stems Incline
		Total	3	
7815077	KF	R308W1	3	Stem Over Ride
		Total	3	
7820940	MP	R308W1	2	Stem Over Ride
		Total	2	
7821396	DT	R308W1	7	Stem Over Ride
7821396	DT	R308W1	1	Stems Incline
		Total	8	
7821838	KF	R308W1	2	Bolt Over Ride
7821838	KF	R308W1	4	Stem Over Ride
7821838	KF	R308W1	1	Stems Chamber Right
7821838	KF	R308W1	7	Stems Chamber
		Total	14	

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12/1/2005

Endurance Summary

MALFUNCTIONS SORTED BY SERIAL NUMBER										
Serial #	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction BOR	SI	SLC	SOR	SRC	SC	
7815136	13	200	6.5%	1			12			
7821468Z	2	200	1.0%			1	1			
7821557	5	200	2.5%				5			
7821852	3	200	1.5%		3					
7815077	3	200	1.5%				3			
7820940	2	200	1.0%				2			
7821396	8	200	4.0%		1		7			
7821838	14	200	7.0%	2			4	1	7	
7821023	0	200	0.0%							
TOTALS	50	1800	2.8%	3	4	1	34	1	7	

MALFUNCTIONS SORTED BY TESTER										
Tester	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction BOR	SI	SLC	SOR	SRC	SC	
Thomas	12	420	2.9%		4	1	7			
Paestella	20	600	3.3%	1			19			
Farrington	18	780	2.3%	2			8	1	7	
TOTALS	50	1800	2.8%	3	4	1	34	1	7	

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12/8/2005

Endurance Summary

Ammunition		Description				
Remington	R308W1	150 gr Core-Lokt PSP				
BOR	Bolt Over Ride					
SI	Stems Incline					
SLC	Stems Left Chamber					
SOR	Stem 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
7815136	RM	R308W2	1	Stem Over Ride
		Total	1	
7821468Z	KF	R308W1	1	Stems Chamber Left
7821468Z	KF	R308W2	1	Stems Chamber Left
7821468Z	KF	R308W2	1	Stems Chamber Right
		Total	3	
7815077	RM	R308W1	1	Stems Chamber Right
		Total	1	
7821396	KF	R308W2	1	Stem Over Ride
		Total	1	
7821852			0	
7821023			0	
7821838			0	
7820940			0	
7821557			0	
		Total	0	

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12/1/2005

Field Test Summary

MALFUNCTIONS SORTED BY SERIAL NUMBER						
Serial #	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction SLC	SOR	SRC
7815136	1	20	5.0%		1	
7821468Z	3	20	15.0%	2		1
7821557	0	20	0.0%			
7821852	0	20	0.0%			
7815077	1	20	5.0%			1
7820940	0	20	0.0%			
7821396	1	20	5.0%		1	
7821838	0	20	0.0%			
7821023	0	20	0.0%			
TOTALS	6	180	3.3%	2	2	2

MALFUNCTIONS SORTED BY TESTER						
Tester	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction SLC	SOR	SRC
Morris	2	90	2.2%		1	1
Farrington	4	90	4.4%	2	1	1
TOTALS	6	180	3.3%	2	2	2

MALFUNCTIONS SORTED BY AMMO						
Ammo	# of Malf	# of Rds. Fired	Malf. Rate	Malfunction SLC	SOR	SRC
R308W1	3	90	3.3%	1	1	1
R308W2	3	90	3.3%	1	1	1
TOTALS	6	180	3.3%	2	2	2

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12/8/2005

Field Test Summary

Ammunition		Description				
Remington	R308W1	150 gr Core-Lokt PSP				
Remington	R308W2	180 gr Core-Lokt SP				

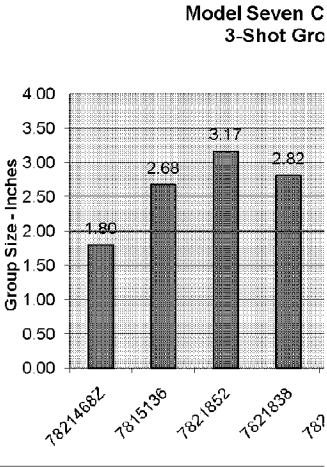
SLC	Stems Left Chamber		
SOR	Stem Override		
SRC	Stems Right Chamber		

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12/8/2005

Accuracy

SERIAL #	Bore Dia.	Ammo	Range	GRP	Group Size	Horizontal Spread	Vertical Spread	Number of Shots
8721468Z	.308	R308W3	100 yds		2.18	0.47	2.16	3
		180 gr			1.25	0.82	1.24	3
		Core-Lokt			1.95	1.29	1.55	3
		PSP		AVG.	1.80	0.86	1.65	9
7815136	.308	R308W3	100 yds		2.32	2.21	0.69	3
		180 gr			2.27	1.87	1.3	3
		Core-Lokt			3.44	2.94	1.96	3
		PSP		AVG.	2.68	2.34	1.32	9
7821852	.308	R308W3	100 yds		4.03	2.94	3.12	3
		180 gr			2.93	1.00	2.85	3
		Core-Lokt			2.49	2.12	1.87	3
		PSP		AVG.	3.17	2.02	2.61	9
7821838	.308	R308W3	100 yds		1.75	1.7	0.65	3
		180 gr			3.02	2.43	1.79	3
		Core-Lokt			3.65	2.92	3.10	3
		PSP		AVG.	2.82	2.35	1.85	9
7821557	.308	R308W3	100 yds		4.02	0.32	4.02	3
		180 gr			3.38	1.51	3.03	3
		Core-Lokt			2.84	2.38	2.61	3
		PSP		AVG.	3.41	1.40	3.22	9
7821396	.308	R308W3	100 yds		2.59	1.12	2.37	3
		180 gr			2.49	2.48	0.24	3
		Core-Lokt			3.10	1.23	2.84	3
		PSP		AVG.	2.73	1.61	1.82	9
7821023	.308	R308W3	100 yds		0.91	0.56	0.8	3
		180 gr			3.31	1.7	3.01	3
		Core-Lokt			2.74	1.83	2.28	3
		PSP		AVG.	2.32	1.36	2.03	9
7820940	.308	R308W3	100 yds		1.57	0.33	1.53	3
		180 gr			3.31	3.00	1.60	3
		Core-Lokt			1.98	1.65	1.68	3
		PSP		AVG.	2.29	1.66	1.60	9
7815077	.308	R308W3	100 yds		1.13	0.57	0.98	3
		180 gr			0.85	0.85	0.56	3
		Core-Lokt			2.43	1.68	1.91	3
		PSP		AVG.	1.48	1.03	1.15	9



7821468Z		1.80	0.86	1.65	9
7815136		2.68	2.34	1.32	9
7821852		3.17	2.02	2.61	9
7821838		2.82	2.35	1.85	9
7821557		3.41	1.40	3.22	9
7821396		2.73	1.61	1.82	9
7821023		2.32	1.36	2.03	9
7820940		2.29	1.66	1.60	9
7815077		1.48	1.03	1.15	9
O/A Avg.		2.52	1.63	1.92	9

Spec = 2.0 w/3 shots

Accuracy

