

Test Lab Work Request Form

Engineer: Ronkainen

Project #: 241460

Date Submitted: 7/29/2007

Completion Date
Justification:

Test Description:
Conduct a limited scope Design Acceptance Test (DAT) on the 40X XMP trigger assembly on Model 700 Varmint Rifles. This DAT is an add-on to the previously conducted successful DAT of the same trigger assembly on the XR-100.

Test Procedure:
Conduct a limited scope DAT on the 40X XMP trigger assembly on Model 700 varmint rifles. The limited scope test includes only the following tests:

- SAAMI Jar-Off on 15 guns
- SAAMI Rotation on 15 guns
- SAAMI Drop testing on 15 guns
- SAAMI 40 lb Safety Testing on 1 gun
- 500 rounds of endurance on one Model 700 Sendero (300 Win Mag).

Preliminary measurements and settings have been made and recorded for all trigger assemblies prior to commencement of testing. Please contact me to make any measurements between testing cycles.

Test Lab Work Request Form

TLW #: 2328

Requested Completion Date: 8/10/2007

AT on the 40X XMP trigger assembly on Model
ited scope test includes only the following tests:
1 15 guns
on 15 guns
ng on 15 guns
ity Testing on 1 gun
urance on one Model 700 Sendero (300 Win

and settings have been made and recorded for
o commencement of testing. Please contact me
between testing cycles.

TLW Form

<autofile>

Test Lab Work Request Form

Test Lab Work Request Form	
Special Requirements:	
Supplies Availability:	ammunition are on-hand and ready for testing.
Results Required:	Formal Report
*****This section to be completed by Test Lab Manager*****	
Assigned To:	Steve W. & Jonathan S.
Assigned Date:	7/31/2007
Comments:	
Start Date:	
Completion Date:	

	Data Only	Formal Report
1. <i>What is the purpose of the study?</i>	1. The purpose of the study was to investigate the effects of a new teaching method on student performance.	1. The purpose of the study was to investigate the effects of a new teaching method on student performance.
2. <i>What are the research questions?</i>	2. The research questions were: (a) What is the effect of the new teaching method on student performance? (b) What are the factors that influence student performance?	2. The research questions were: (a) What is the effect of the new teaching method on student performance? (b) What are the factors that influence student performance?
3. <i>What are the hypotheses?</i>	3. The hypotheses were: (a) The new teaching method will have a positive effect on student performance. (b) Student performance will be influenced by factors such as motivation, ability, and resources.	3. The hypotheses were: (a) The new teaching method will have a positive effect on student performance. (b) Student performance will be influenced by factors such as motivation, ability, and resources.
4. <i>What are the variables?</i>	4. The variables were: (a) Independent variable: New teaching method. (b) Dependent variable: Student performance. (c) Control variables: Motivation, ability, and resources.	4. The variables were: (a) Independent variable: New teaching method. (b) Dependent variable: Student performance. (c) Control variables: Motivation, ability, and resources.
5. <i>What are the methods?</i>	5. The methods were: (a) Data collection: Surveys, interviews, and observations. (b) Data analysis: Statistical analysis and content analysis.	5. The methods were: (a) Data collection: Surveys, interviews, and observations. (b) Data analysis: Statistical analysis and content analysis.
6. <i>What are the results?</i>	6. The results were: (a) The new teaching method had a positive effect on student performance. (b) Student performance was influenced by factors such as motivation, ability, and resources.	6. The results were: (a) The new teaching method had a positive effect on student performance. (b) Student performance was influenced by factors such as motivation, ability, and resources.
7. <i>What are the conclusions?</i>	7. The conclusions were: (a) The new teaching method is effective in improving student performance. (b) Student performance is influenced by factors such as motivation, ability, and resources.	7. The conclusions were: (a) The new teaching method is effective in improving student performance. (b) Student performance is influenced by factors such as motivation, ability, and resources.

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B-1

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6445889	Model: 700 VLS	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B1
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Laminated wood

Start:

Engagement:	0.0191	Trigger Pull:	3.100
	0.0190		3.072
	0.0191		3.015
Average:	0.0191		3.057
			3.042
			3.046
TMIS:	0.004		3.031
	0.004		3.188
	0.004		3.078
Average:	0.004		2.953
		Average:	3.058

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 7/31/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	3.137
	0.0190		3.066
	0.0190		3.021
Average:	0.0190		2.996
			2.964
			3.066
TMIS:	0.007		3.007
	0.007		3.144
	0.007		3.059
Average:	0.007		

Average:	3.101
	3.058

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B-2

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6446030	Model: 700 VLS	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B2
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Laminated wood

Start:

Engagement:	0.0190	Trigger Pull:	3.085
	0.0190		3.031
	0.0190		3.061
Average:	0.0190		3.057
			3.046
			3.039
TMIS:	0.005		3.139
	0.005		3.058
	0.005		3.082
Average:	0.005		3.065
		Average:	3.065

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 7/31/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	3.050
	0.0191		2.999
	0.0192		2.950
Average:	0.0191		3.081
			3.081
			3.006
TMIS:	0.007		2.920
	0.007		2.965
	0.007		2.913
Average:	0.007		

Average:

3.074
3.004

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B-3

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6446152	Model: 700 VLS	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B5
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Laminated wood

Start:

Engagement:	0.0192	Trigger Pull:	2.985
	0.0191		2.980
	0.0192		3.048
Average:	0.0192		3.065
			2.961
TMIS:	0.004		3.042
	0.004		3.012
	0.004		3.107
Average:	0.004		3.072
			3.115
		Average:	3.039

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.045
	0.0191		3.064
	0.0191		2.902
Average:	0.0192		3.090
			3.003
TMIS:	0.007		3.085
	0.007		2.997
	0.007		3.173
Average:	0.007		3.092

Average:

3.045
3.050

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B-4

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #:	G6446188	Model:	700 VLS-TH	Date:	7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B6	Stock Type:	Laminated thumbhole
Previous Rds/Cycles:	0	Caliber:	243 Win		

Start:

Engagement:	0.0191	Trigger Pull:	3.080
	0.0193		3.005
	0.0192		3.019
Average:	0.0192		2.990
			3.087
TMIS:	0.004		2.994
	0.004		3.034
	0.004		3.060
Average:	0.004		3.104
			3.072
		Average:	3.045

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0192	Trigger Pull:	3.008
	0.0193		2.973
	0.0193		2.974
Average:	0.0193		2.989
			3.012
TMIS:	0.005		2.968
	0.005		2.972
	0.005		2.997
Average:	0.005		2.990

Average:

3.061
2.994

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6446238	Model: 700 VLS-TH	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B7
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Laminated thumbhole

Start:

Engagement:	0.0192	Trigger Pull:	3.082
	0.0192		3.083
	0.0192		3.115
Average:	0.0192		3.020
			3.057
TMIS:	0.004		3.028
	0.004		3.022
	0.004		3.124
Average:	0.004		3.064
			3.012
		Average:	3.061

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	2.984
	0.0190		2.953
	0.0190		2.988
Average:	0.0190		2.992
			2.976
TMIS:	0.005		2.984
	0.005		2.933
	0.005		3.053
Average:	0.005		3.028

Average: 2.958
2.985

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6645883	Model: 700 SPS Varmint	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B10
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190	Trigger Pull:	3.050
	0.0190		2.985
	0.0191		3.024
Average:	0.0190		2.996
			3.013
TMIS:	0.004		3.047
	0.004		3.079
	0.004		3.080
Average:	0.004		3.076
			3.007
		Average:	3.036

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	2.879
	0.0194		2.939
	0.0193		2.906
Average:	0.0193		2.941
			2.976
TMIS:	0.004		2.961
	0.004		3.082
	0.004		3.034
Average:	0.004		2.983

Average:	2.991
	2.989

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6645888	Model: 700 SPS Varmint	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B11
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190	Trigger Pull:	3.126
	0.0190		3.066
	0.0190		3.047
Average:	0.0190		3.077
			3.001
TMIS:	0.003		3.015
	0.004		3.019
	0.003		3.090
Average:	0.003		3.053
			3.039
		Average:	3.053

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0209	Trigger Pull:	3.176
	0.0208		3.131
	0.0209		3.089
Average:	0.0209		3.158
			3.112
TMIS:	0.006		3.112
	0.006		3.103
	0.006		3.172
Average:	0.006		3.120

Average:	3.117
	3.129

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #:	G6645893	Model:	700 SPS Varmint	Date:	7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B12	Stock Type:	Injection molded
Previous Rds/Cycles:	0	Caliber:	243 Win		

Start:

Engagement:	0.0192	Trigger Pull:	3.017
	0.0192		3.049
	0.0191		3.057
Average:	0.0192		3.016
			3.020
TMIS:	0.003		3.113
	0.003		3.023
	0.003		3.066
Average:	0.003		2.978
			3.116
		Average:	3.046

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JW 7/31/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	3.265
	0.0191		3.277
	0.0190		3.241
Average:	0.0190		3.222
			3.259
TMIS:	0.005		3.264
	0.005		3.298
	0.005		3.197
Average:	0.005		3.209

Average:	3.250
	3.248

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6645938	Model: 700 SPS Varmint	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B13
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190	Trigger Pull:	2.999
	0.0191		3.058
	0.0191		3.055
Average:	0.0191		3.084
			3.047
TMIS:	0.004		3.018
	0.004		3.088
	0.004		3.082
Average:	0.004		3.055
			3.087
		Average:	3.057

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	3.141
	0.0190		3.106
	0.0190		3.077
Average:	0.0190		3.106
			3.096
TMIS:	0.004		3.102
	0.004		3.088
	0.004		3.083
Average:	0.004		3.099

Average	3.126
	3.102

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	G6645949	Model: 700 SPS Varmint	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B15
Previous Rds/Cycles:	0	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190	Trigger Pull:	2.970
	0.0190		3.036
	0.0190		3.028
Average:	0.0190		3.035
			3.020
TMIS:	0.004		3.011
	0.004		3.012
	0.004		2.982
Average:	0.004		3.006
			3.022
		Average:	3.012

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.003
	0.0194		2.936
	0.0192		2.911
Average:	0.0193		2.850
			2.860
TMIS:	0.005		2.877
	0.005		2.874
	0.005		2.859
Average:	0.005		2.893

Average	3.061
	2.912

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	S8599038	Model: 700 VS-SF II	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B16
Previous Rds/Cycles:	0	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0191	Trigger Pull:	3.126
	0.0191		3.035
	0.0192		3.118
Average:	0.0191		3.164
			3.105
TMIS:	0.004		2.999
	0.004		3.140
	0.004		3.023
Average:	0.004		3.028
			3.134
		Average:	3.087

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.020
	0.0190		2.998
	0.0193		3.103
Average:	0.0192		3.062
			3.175
TMIS:	0.003		3.199
	0.003		3.155
	0.003		3.112
Average:	0.003		3.214

Average:	3.204
	3.124

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TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	S8599093	Model: 700 VS-SF II	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B17
Previous Rds/Cycles:	0	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.050
	0.0193		3.084
	0.0193		3.095
Average:	0.0193		3.041
			3.009
TMIS:	0.004		3.077
	0.004		3.058
	0.004		3.036
Average:	0.004		3.115
			3.073
		Average:	3.064

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0199	Trigger Pull:	3.292
	0.0197		3.216
	0.0197		3.207
Average:	0.0198		3.248
			3.132
TMIS:	0.003		3.184
	0.003		3.189
	0.003		3.210
Average:	0.003		3.245

Average:	3.204
	3.213

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B-13

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #	S8599115	Model: 700 VS-SF II	Date: 7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B18
Previous Rds/Cycles:	0	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0191	Trigger Pull:	3.064
	0.0190		3.109
	0.0192		3.091
Average:	0.0191		3.068
			3.089
TMIS:	0.004		3.112
	0.004		3.036
	0.004		3.085
Average:	0.004		3.052
			3.110
		Average:	3.082

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0194	Trigger Pull:	2.834
	0.0192		2.849
	0.0193		2.898
Average:	0.0193		2.826
			2.793
TMIS:	0.005		2.755
	0.005		2.732
	0.005		2.812
Average:	0.005		2.868

Average:	2.855
	2.822

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B-14

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #:	S8596135	Model:	700 Sendero SF II	Date:	7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B19	Stock Type:	Injection molded
Previous Rds/Cycles:	0	Caliber:	300 Win Mag		

Start:

Engagement:	0.0191	Trigger Pull:	3.034
	0.0190		3.006
	0.0191		3.060
Average:	0.0191		3.087
			3.006
TMIS:	0.003		3.072
	0.003		3.044
	0.003		3.076
Average:	0.003		2.999
			3.001
		Average:	3.039

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.188
	0.0191		3.076
	0.0191		3.088
Average:	0.0192		3.098
			3.027
TMIS:	0.006		3.056
	0.006		3.008
	0.006		3.010
Average:	0.006		3.059

Average:

3.101
3.071

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B-15

TLW 2328
Project #: 241460

SAAMI Jar-Off Test

Serial #:	S8602971	Model:	700 Sendero SF II	Date:	7/30/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B20	Stock Type:	Injection molded
Previous Rds/Cycles:	0	Caliber:	300 Win Mag		

Start:

Engagement:	0.0192	Trigger Pull:	3.096
	0.0193		3.055
	0.0192		3.097
Average:	0.0192		3.028
			3.100
TMIS:	0.004		3.116
	0.004		3.055
	0.004		3.028
Average:	0.004		3.051
			3.125
		Average:	3.075

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/1/2007

Notes:

End:

Engagement:	0.0194	Trigger Pull:	3.001
	0.0194		3.072
	0.0193		3.016
Average:	0.0194		3.066
			3.055
TMIS:	0.004		3.037
	0.004		3.039
	0.004		3.074
Average:	0.004		3.008

Average: 3.009
3.038

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B-1

TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6445889	Model:	700 VLS	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B1	Stock Type:	Laminated wood
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0190	Trigger Pull:	3.137
	0.0190		3.066
	0.0190		3.021
Average:	0.0190		2.996
			2.964
TMIS:	0.005		3.066
	0.005		3.007
	0.005		3.144
Average:	0.005		3.059
			3.101
		Average:	3.056

Reset TMIS after SAAMI
Comments: Jar Off

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0190	Trigger Pull:	3.114
	0.0190		3.064
	0.0190		3.122
Average:	0.0190		3.211
			3.416
TMIS:	0.005		3.271
	0.005		3.240
	0.005		3.199
Average:	0.005		3.203
			3.149
		Average:	3.199

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6446030	Model:	700 VLS	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B2	Stock Type:	Laminated wood
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0190	Trigger Pull:	3.050
	0.0191		2.999
	0.0192		2.950
Average:	0.0191		3.081
			3.081
TMIS:	0.004		3.006
	0.004		2.920
	0.004		2.965
Average:	0.004		2.913
			3.074
		Average:	3.004

Reset TMIS after SAAMI
Comments: Jar Off

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0198	Trigger Pull:	2.928
	0.0198		3.094
	0.0198		3.082
Average:	0.0198		3.018
			2.972
TMIS:	0.004		3.218
	0.005		2.985
	0.004		3.118
Average:	0.004		2.939
			2.842
		Average:	3.020

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6446152	Model:	700 VLS	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B5	Stock Type:	Laminated wood
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0193	Trigger Pull:	3.045
	0.0191		3.064
	0.0191		2.902
Average:	0.0192		3.090
			3.003
TMIS:	0.004		3.085
	0.004		2.997
	0.004		3.173
Average:	0.004		3.092
			3.045
		Average:	3.050

Reset TMIS after SAAMI
Comments: Jar Off

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0191	Trigger Pull:	3.083
	0.0192		3.042
	0.0192		3.006
Average:	0.0192		3.010
			2.972
TMIS:	0.004		3.008
	0.004		3.057
	0.005		3.126
Average:	0.004		3.120
			3.118
		Average:	3.054

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6446188	Model:	700 VLS-TH	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B6	Stock Type:	Laminated thumbhole
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0192	Trigger Pull:	2.933
	0.0193		3.068
	0.0193		2.995
Average:	0.0193		3.101
			3.035
TMIS:	0.005		3.027
	0.005		2.967
	0.005		2.945
Average:	0.005		2.982
			3.066
		Average:	3.012

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0191	Trigger Pull:	3.112
	0.0191		2.979
	0.0192		3.033
Average:	0.0191		3.013
			2.939
TMIS:	0.005		2.969
	0.005		2.961
	0.005		2.983
Average:	0.005		2.958
			2.921
		Average:	2.987

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6446238	Model:	700 VLS-TH	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B7	Stock Type:	Laminated thumbhole
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0190	Trigger Pull:	2.974
	0.0190		2.975
	0.0190		3.018
Average:	0.0190		3.053
			3.030
TMIS:	0.005		3.036
	0.005		3.015
	0.005		3.104
Average:	0.005		3.039
			3.080
		Average:	3.032

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0191	Trigger Pull:	2.991
	0.0192		3.090
	0.0191		3.012
Average:	0.0191		3.083
			3.026
TMIS:	0.005		3.015
	0.005		3.080
	0.005		2.995
Average:	0.005		3.083
			2.979
		Average:	3.035

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6645883	Model:	700 SPS Varmint	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B10	Stock Type:	Injection molded
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0193	Trigger Pull:	2.931
	0.0194		3.036
	0.0193		3.053
Average:	0.0193		2.941
			2.984
TMIS:	0.004		2.969
	0.004		2.999
	0.004		3.063
Average:	0.004		3.072
			3.073
		Average:	3.012

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.037
	0.0193		3.117
	0.0193		3.061
Average:	0.0193		3.074
			3.114
TMIS:	0.004		3.095
	0.004		3.043
	0.004		3.122
Average:	0.004		3.020
			3.120
		Average:	3.080

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	G6645888	Model:	700 SPS Varmint	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B11	Stock Type:	Injection molded
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0190	Trigger Pull:	3.018
	0.0190		3.015
	0.0191		3.026
Average:	0.0190		3.017
			3.058
TMIS:	0.006		3.065
	0.006		3.009
	0.006		2.966
Average:	0.006		2.988
			3.022
		Average:	3.018

Comments:	Reset engagement after SAAMI Jar Off
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Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:	
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End:

Engagement:	0.0192	Trigger Pull:	3.085
	0.0191		3.107
	0.0193		3.019
Average:	0.0192		3.030
			3.039
TMIS:	0.004		3.044
	0.004		3.110
	0.004		3.055
Average:	0.004		3.087
			3.153

Average: 3.073

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	G6645893	Model: 700 SPS Varmint	Date: 8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B12
Previous Rds/Cycles:	6	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190
	0.0191
	0.0190
Average:	0.0190

TMIS:	0.005
	0.005
	0.005
Average:	0.005

Trigger Pull:	2.918
	3.085
	3.034
	2.979
	3.064
	3.142
	3.061
	3.034
	3.134
	2.980
Average:	3.043

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193
	0.0194
	0.0192
Average:	0.0193

TMIS:	0.005
	0.005
	0.005
Average:	0.005

Trigger Pull:	3.374
	3.364
	3.336
	3.399
	3.323
	3.371
	3.302
	3.420
	3.264
	3.313
Average:	3.347

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	G6645938	Model: 700 SPS Varmint	Date: 8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B13
Previous Rds/Cycles:	6	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0190
	0.0190
	0.0190
Average:	0.0190

TMIS:	0.004
	0.004
	0.004
Average:	0.004

Trigger Pull:	3.009
	3.029
	3.101
	3.014
	3.056
	2.970
	2.984
	3.059
	2.973
	3.064
Average:	3.026

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0190
	0.0190
	0.0192
Average:	0.0191

TMIS:	0.005
	0.005
	0.005
Average:	0.005

Trigger Pull:	3.074
	2.966
	3.047
	3.074
	2.974
	3.116
	2.974
	2.961
	2.992
	2.977
Average:	3.016

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #:	G6645949	Model:	700 SPS Varmint	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B15	Stock Type:	Injection molded
Previous Rds/Cycles:	6	Caliber:	243 Win		

Start:

Engagement:	0.0193
	0.0194
	0.0192
Average:	0.0193

TMIS:	0.005
	0.005
	0.005
Average:	0.005

Trigger Pull:	2.966
	3.034
	2.996
	3.006
	3.034
	3.055
	3.115
	3.023
	3.025
	3.044
Average:	3.030

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193
	0.0192
	0.0190
Average:	0.0192

TMIS:	0.004
	0.004
	0.004
Average:	0.004

Trigger Pull:	3.020
	2.983
	2.930
	2.899
	3.042
	2.961
	2.880
	2.950
	3.070
	2.986
Average:	2.973

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	S6599038	Model: 700 VS-SF II	Date: 8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B16
Previous Rds/Cycles:	6	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0193
	0.0190
	0.0193
Average:	0.0192

TMIS:	0.003
	0.003
	0.003
Average:	0.003

Trigger Pull:	3.129
	3.062
	3.013
	3.158
	3.099
	3.104
	3.047
	3.147
	3.079
	3.103
Average:	3.094

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS

8/2/2007

Notes:

End:

Engagement:	0.0195
	0.0194
	0.0194
Average:	0.0194

TMIS:	0.003
	0.003
	0.003
Average:	0.003

Trigger Pull:	3.056
	2.989
	3.049
	3.037
	3.255
	3.069
	2.917
	3.104
	3.163
	3.068
Average:	3.071

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	S6599093	Model:	700 VS-SF II	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B17	Stock Type:	Injection molded
Previous Rds/Cycles:	6	Caliber:	220 Swift		

Start:

Engagement:	0.0192
	0.0190
	0.0193
Average:	0.0192

TMIS:	0.003
	0.003
	0.003
Average:	0.003

Trigger Pull:	3.042
	3.038
	3.018
	3.039
	3.072
	3.066
	3.073
	3.061
	3.096
	3.116
Average:	3.062

Comments:	Reset engagement after SAAMI Jar Off
-----------	---

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS

Notes:	
--------	--

End:

Engagement:	0.0191
	0.0192
	0.0192
Average:	0.0192

TMIS:	0.003
	0.003
	0.003
Average:	0.003

Trigger Pull:	3.106
	3.080
	3.001
	3.023
	3.043
	3.031
	3.050
	3.046
	3.080
	3.034

Average: 3.049

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	S6599115	Model: 700 VS-SF II	Date: 8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B18
Previous Rds/Cycles:	6	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0194	Trigger Pull:	3.077
	0.0192		2.997
	0.0193		3.030
Average:	0.0193		2.979
			3.043
TMIS:	0.005		3.031
	0.005		3.047
	0.005		3.052
Average:	0.005		3.015
			3.019
		Average:	3.029

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.082
	0.0190		2.985
	0.0192		2.958
Average:	0.0192		3.112
			2.994
TMIS:	0.005		2.998
	0.005		3.036
	0.005		2.989
Average:	0.005		3.047
			2.995
		Average:	3.020

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	S6596135	Model: 700 Sendero SF II	Date: 8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B19
Previous Rds/Cycles:	6	Caliber:	300 Win Mag
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.188
	0.0191		3.076
	0.0191		3.088
Average:	0.0192		3.098
			3.027
TMIS:	0.006		3.056
	0.006		3.008
	0.006		3.010
Average:	0.006		3.059
			3.101
		Average:	3.071

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0191	Trigger Pull:	3.061
	0.0192		3.099
	0.0190		3.044
Average:	0.0191		2.990
			3.074
TMIS:	0.006		3.034
	0.006		3.109
	0.006		3.058
Average:	0.006		3.135
			2.993
		Average:	3.060

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TLW 2328
Project #: 241460

SAAMI Rotation Test

Serial #	S6602971	Model:	700 Sendero SF II	Date:	8/1/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B20	Stock Type:	Injection molded
Previous Rds/Cycles:	6	Caliber:	300 Win Mag		

Start:

Engagement:	0.0194	Trigger Pull:	3.001
	0.0194		3.072
	0.0193		3.016
Average:	0.0194		3.066
			3.055
TMIS:	0.004		3.037
	0.004		3.039
	0.004		3.074
Average:	0.004		3.008
			3.009
		Average:	3.038

Comments:

Orientation:

Barrel Vertical, Drop So Left Side Is Up:
Barrel Vertical, Drop So Right Side Is Up:

Pass	Fail	Comments
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0197	Trigger Pull:	3.082
	0.0198		2.985
	0.0199		2.958
Average:	0.0198		3.112
			2.994
TMIS:	0.004		2.998
	0.004		3.036
	0.004		2.989
Average:	0.004		3.047
			2.995
		Average:	3.020

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6445889	Model:	700 VLS	Date:	8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B1	Stock Type:	Laminated wood
Previous Rds/Cycles:	3	Caliber:	243 Win		

Start:

Engagement:	0.0190
	0.0190
	0.0190
Average:	0.0190

TMIS:	0.005
	0.005
	0.005
Average:	0.005

Trigger Pull:	3.031
	2.915
	3.057
	3.104
	3.113
	3.070
	3.159
	3.099
	3.118
	3.109
Average:	3.078

Comments:	Reset trigger pull after rotation.
-----------	--

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:

Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		cracked stock

Tester's Initials: SW/JS 8/2/2007

Notes:	
--------	--

End:

Engagement:	0.0193
	0.0190
	0.0191
Average:	0.0191
TMIS:	0.005

Trigger Pull:	3.094
	3.241
	3.225
	3.229
	3.122
	3.131

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0.006
0.005
Average: 0.005

3.209
3.225
3.220
3.220
3.200
Average: 3.190

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #:	G6446030	Model:	700 VLS	Date:	8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B2	Stock Type:	Laminated wood
Previous Rds/Cycles:	3	Caliber:	243 Win		

Start:

Engagement:	0.0192
	0.0193
	0.0192
Average:	0.0192

TMIS:	0.004
	0.005
	0.004
Average:	0.004

Trigger Pull:	2.974
	3.142
	3.085
	3.008
	3.156
	3.169
	3.069
	2.993
	3.147
	2.857
Average:	3.060

Reset engagement and checked trigger pull after rotation test.

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		cracked stock

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0194
	0.0192
	0.0191

Trigger Pull:	3.055
	3.104
	2.966

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Average:	0.0132
TMS:	0.004
	0.004
	0.004
Average:	0.004

2.979	
3.101	
3.112	
3.044	
2.988	
3.083	
3.008	
Average:	3.044

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B-3

TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6446152	Model: 700 VLS	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B5
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Laminated wood

Start:

Engagement:	0.0191	Trigger Pull:	3.083
	0.0192		3.042
	0.0192		3.006
Average:	0.0192		3.010
			2.972
TMIS:	0.004		3.008
	0.004		3.057
	0.005		3.126
Average:	0.004		3.120
			3.118
		Average:	3.054

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:

Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		cracked stock

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0194	Trigger Pull:	3.103
	0.0194		3.091
	0.0193		3.069
Average:	0.0194		3.031
			3.034
TMIS:	0.004		3.048
	0.004		3.069
	0.004		3.082

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Average: 0.004

Average:	3.046
	3.072
	3.065

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TLW 2328
Project #: 241460

SAAMI Drop Test			
Serial #	G6446188	Model: 700 VLS-TH	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B6
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Laminated thumbhole

Start:

Engagement:	0.0191	Trigger Pull:	3.129
	0.0191		3.107
	0.0192		3.059
Average:	0.0191		3.013
			3.087
TMIS:	0.005		3.088
	0.005		3.061
	0.005		3.058
Average:	0.005		3.117
			3.191
		Average:	3.091

Comments:	Reset trigger pull after rotation test.
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Orientation:

Barrel Vertical, Muzzle Up:
Barrel Vertical, Muzzle Down:
Barrel Horizontal, Left Side Up:

Barrel Horizontal, Right Side Up:
Barrel Horizontal, Bottom Side Up:

Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
		broke stock - replaced
X		
X		
X		broke stock

Tester's Initials: SW/JS 8/2/2007

Notes:	
--------	--

End:

Engagement:	0.0193	Trigger Pull:	3.220
	0.0192		3.199
	0.0193		3.189
Average:	0.0193		3.084

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TMIS:	0.006
	0.006
	0.006
Average:	0.006

3.082	
3.107	
3.101	
3.120	
3.180	
3.064	
Average:	3.135

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6446238	Model: 700 VLS-TH	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B7
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Laminated thumbhole

Start:

Engagement:	0.0191	Trigger Pull:	2.991
	0.0192		3.090
	0.0191		3.012
Average:	0.0191		3.083
			3.026
			3.015
TMIS:	0.005		3.080
	0.005		2.995
	0.005		3.083
Average:	0.005		2.979
		Average:	3.035

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0194	Trigger Pull:	3.084
	0.0191		3.063
	0.0192		3.099
Average:	0.0192		2.998
			3.023
			3.026
TMIS:	0.006		3.121
	0.006		3.085
	0.006		3.009
Average:	0.006		

Average:	3.071
	3.058

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6645883	Model: 700 SPS Varmint	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B10
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.037
	0.0193		3.117
	0.0193		3.061
Average:	0.0193		3.074
			3.114
TMIS:	0.004		3.095
	0.004		3.043
	0.004		3.122
Average:	0.004		3.020
			3.120
		Average:	3.080

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.105
	0.0194		3.237
	0.0195		3.272
Average:	0.0194		3.162
			3.169
TMIS:	0.005		3.238
	0.005		3.171
	0.005		3.164
Average:	0.005		3.161

Average	3.146
	3.183

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6645888	Model: 700 SPS Varmint	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B11
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0192	Trigger Pull:	3.085
	0.0191		3.107
	0.0193		3.019
Average:	0.0192		3.030
			3.039
TMIS:	0.004		3.044
	0.004		3.110
	0.004		3.055
Average:	0.004		3.087
			3.153
		Average:	3.073

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.198
	0.0190		3.291
	0.0191		3.193
Average:	0.0191		3.176
			3.202
TMIS:	0.004		3.200
	0.004		3.228
	0.004		3.181
Average:	0.004		3.122

Average	3.102
	3.189

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6645893	Model: 700 SPS Varmint	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B12
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.059
	0.0194		2.970
	0.0192		3.012
Average:	0.0193		3.077
			3.080
TMIS:	0.005		3.092
	0.005		3.118
	0.005		3.049
Average:	0.005		3.040
			3.045
		Average:	3.054

Comments:	Reset trigger pull after rotation.
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Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:	
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End:

Engagement:	0.0193	Trigger Pull:	3.382
	0.0194		3.391
	0.0193		3.326
Average:	0.0193		3.311
			3.268
TMIS:	0.005		3.365
	0.005		3.566

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Average:	0.005
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Average:	3.389
	3.427
	3.370
	3.482

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #:	G6645938	Model:	700 SPS Varmint	Date:	8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B13	Stock Type:	Injection molded
Previous Rds/Cycles:	3	Caliber:	243 Win		

Start:

Engagement:	0.0190	Trigger Pull:	3.074
	0.0190		2.966
	0.0192		3.047
Average:	0.0191		3.074
			2.974
TMIS:	0.005		3.116
	0.005		2.974
	0.005		2.961
Average:	0.005		2.992
			2.977
		Average:	3.016

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0192	Trigger Pull:	3.111
	0.0193		3.000
	0.0191		2.988
Average:	0.0192		3.013
			3.041
TMIS:	0.005		3.099
	0.005		2.953
	0.005		2.952
Average:	0.005		2.996

Average	3.036
	3.019

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	G6645949	Model: 700 SPS Varmint	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B15
Previous Rds/Cycles:	3	Caliber:	243 Win
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.124
	0.0192		3.111
	0.0190		3.047
Average:	0.0192		3.046
			3.039
TMIS:	0.004		3.053
	0.004		3.064
	0.004		3.122
Average:	0.004		3.006
			3.102
		Average:	3.071

Comments:	Reset trigger pull after rotation.
-----------	------------------------------------

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:	
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End:

Engagement:	0.0215	Trigger Pull:	3.400
	0.0215		3.342
	0.0217		3.355
Average:	0.0216		3.312
			3.433
TMIS:	0.007		3.333
	0.007		3.344

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Average:	0.007
	0.007

Average:	3.364
	3.364
	3.364
	3.388

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	S8599038	Model: 700 VS-SF II	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B16
Previous Rds/Cycles:	3	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0195	Trigger Pull:	3.056
	0.0194		2.989
	0.0194		3.049
Average:	0.0194		3.037
			3.255
TMIS:	0.003		3.069
	0.003		2.917
	0.003		3.104
Average:	0.003		3.163
			3.068
		Average:	3.071

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0193	Trigger Pull:	3.529
	0.0192		3.634
	0.0192		3.450
Average:	0.0192		3.598
			3.554
TMIS:	0.004		3.501
	0.005		3.469
	0.004		3.449
Average:	0.004		3.435

Average:	3.385
	3.500

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	S8599093	Model: 700 VS-SF II	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B17
Previous Rds/Cycles:	3	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0191	Trigger Pull:	3.106
	0.0192		3.080
	0.0192		3.001
Average:	0.0192		3.023
			3.043
TMIS:	0.003		3.031
	0.003		3.050
	0.003		3.046
Average:	0.003		3.080
			3.034
		Average:	3.049

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0207	Trigger Pull:	3.165
	0.0205		3.144
	0.0204		3.112
Average:	0.0205		3.127
			3.158
TMIS:	0.003		3.230
	0.004		3.260
	0.003		3.231
Average:	0.003		3.310

Average:	3.212
	3.195

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #	S8599115	Model: 700 VS-SF II	Date: 8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B18
Previous Rds/Cycles:	3	Caliber:	220 Swift
		Stock Type:	Injection molded

Start:

Engagement:	0.0193	Trigger Pull:	3.082
	0.0190		2.985
	0.0192		2.958
Average:	0.0192		3.112
			2.994
TMIS:	0.005		2.998
	0.005		3.036
	0.005		2.989
Average:	0.005		3.047
			2.995
		Average:	3.020

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:

Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		magazine released

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0191	Trigger Pull:	2.970
	0.0192		2.932
	0.0190		2.984
Average:	0.0191		3.026
			3.042
TMIS:	0.006		3.007
	0.006		2.950
	0.006		2.956

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Average: 0.006

2.959
2.928
Average: 2.975

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #:	S6596135	Model:	700 Sendero SF II	Date:	8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B19	Stock Type:	Injection molded
Previous Rds/Cycles:	3	Caliber:	300 Win Mag		

Start:

Engagement:	0.0191	Trigger Pull:	3.061
	0.0192		3.099
	0.0190		3.044
Average:	0.0191		2.990
			3.074
TMIS:	0.006		3.034
	0.006		3.109
	0.006		3.058
Average:	0.006		3.135
			2.993
		Average:	3.060

Comments:

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		

Tester's Initials: SW/JS 8/2/2007

Notes:

End:

Engagement:	0.0195	Trigger Pull:	3.093
	0.0196		3.110
	0.0194		3.058
Average:	0.0195		3.087
			3.115
TMIS:	0.007		3.102
	0.007		2.985
	0.007		3.053
Average:	0.007		3.122

Average: 3.128
3.085

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TLW 2328
Project #: 241460

SAAMI Drop Test

Serial #:	S6602971	Model:	700 Sendero SF II	Date:	8/2/2007
Trigger Assembly Type:	40X XMP	Trigger Assembly #:	40X XMP B20	Stock Type:	Injection molded
Previous Rds/Cycles:	3	Caliber:	300 Win Mag		

Start:

Engagement:	0.0190
	0.0191
	0.0190
Average:	0.0190

TMIS:	0.004
	0.004
	0.004
Average:	0.004

Trigger Pull:	3.249
	3.073
	3.026
	3.077
	2.988
	3.073
	3.013
	3.030
	2.893
	2.941
Average:	3.036

Comments:	Reset engagement and checked trigger pull after rotation test.
-----------	--

Orientation:

- Barrel Vertical, Muzzle Up:
- Barrel Vertical, Muzzle Down:
- Barrel Horizontal, Left Side Up:
- Barrel Horizontal, Right Side Up:
- Barrel Horizontal, Bottom Side Up:
- Barrel Horizontal, Bottom Side Down:

Pass	Fail	Comments
X		
X		
X		
X		
X		
X		magazine released

Tester's Initials: SW/JS 8/2/2007

Notes:	
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End:

Engagement:	0.0190
	0.0190
	0.0191

Trigger Pull:	3.177
	2.918
	3.031

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Average:	0.0130
TMIS:	0.004
	0.004
	0.004
Average:	0.004

3.066	
2.984	
2.920	
3.041	
2.920	
2.958	
3.034	
Average:	3.005

TLW 2328
PROJECT # 241460
8/3/07

ENDURANCE MODEL 700 SENDERO TEST

GUN # B-15
SHOOTER: Steve Wade
SERIAL #
AMMO: REM 300 WIN MAG

1	1	R300W1			
2	2	1	51	101	151 201
3	3	2	52	102	152 202
4	4	3	53	103	153 203
5	5	4	54	104	154 204
6	6	5	55	105	155 205
7	7	6	56	106	156 206
8	8	7	57	107	157 207
9	9	8	58	108	158 208
10	10	9	59	109	159 209
11	11	10	60 OK	110	160 OK 210
12	12	11	61	111	161 211
13	13	12	62	112	162 212
14	14	13	63	113	163 213
15	15	14	64	114	164 214
16	16	15	65	115	165 215
17	17	16	66	116	166 216
18	18	17	67	117	167 217
19	19	18	68	118	168 218
20	20	19	69	119	169 219
21	21	20 OK	70	120 OK	170 220 OK
22	22	21	71	121	171 221
23	23	22	72	122	172 222
24	24	23	73	123	173 223
25	25	24	74	124	174 224
26	26	25	75	125	175 225
27	27	26	76	126	176 226
28	28	27	77	127	177 227
29	29	28	78	128	178 228
30	30	29	79	129	179 229
31	31	30	80 OK	130	180 OK 230
32	32	31	81	131	181 231
33	33	32	82	132	182 232
34	34	33	83	133	183 233
35	35	34	84	134	184 234
36	36	35	85	135	185 235
37	37	36	86	136	186 236
38	38	37	87	137	187 237
39	39	38	88	138	188 238
40	40	39	89	139	189 239
41	41	40 OK	90	140 OK	190 240 OK
42	42	41	91	141	191 241
43	43	42	92	142	192 242
44	44	43	93	143	193 243
45	45	44	94	144	194 244
46	46	45	95	145	195 245
47	47	46	96	146	196 246
48	48	47	97	147	197 247
49	49	48	98	148	198 248
50	50	49	99	149	199 249
48	48	50	100 OK	150	200 OK 250
49	49				
50	50				

TLW 2328
PROJECT # 241460
8/3/07

ENDURANCE MODEL 700 SENDERO TEST

1	1	250			
2	2	251	301	351	401 451
3	3	252	302	352	402 452
4	4	253	303	353	403 453
5	5	254	304	354	404 454
6	6	255	305	355	405 455
7	7	256	306	356	406 456
8	8	257	307	357	407 457
9	9	258	308	358	408 458
10	10	259	309	359	409 459
11	11	260 OK	310	360 OK	410 460 OK
12	12	261	311	361	411 461
13	13	262	312	362	412 462
14	14	263	313	363	413 463
15	15	264	314	364	414 464
16	16	265	315	365	415 465
17	17	266	316	366	416 466
18	18	267	317	367	417 467
19	19	268	318	368	418 468
20	20	269	319	369	419 469
21	21	270	320 OK	370	420 OK 470
22	22	271	321	371	421 471
23	23	272	322	372	422 472
24	24	273	323	373	423 473
25	25	274	324	374	424 474
26	26	275	325	375	425 475
27	27	276	326	376	426 476
28	28	277	327	377	427 477
29	29	278	328	378	428 478
30	30	279	329	379	429 479
31	31	280 OK	330	380 OK	430 480 OK
32	32	281	331	381	431 481
33	33	282	332	382	432 482
34	34	283	333	383	433 483
35	35	284	334	384	434 484
36	36	285	335	385	435 485
37	37	286	336	386	436 486
38	38	287	337	387	437 487
39	39	288	338	388	438 488
40	40	289	339	389	439 489
41	41	290	340 OK	390	440 OK 490
42	42	291	341	391	441 491
43	43	292	342	392	442 492
44	44	293	343	393	443 493
45	45	294	344	394	444 494
46	46	295	345	395	445 495
47	47	296	346	396	446 496
48	48	297	347	397	447 497
49	49	298	348	398	448 498
50	50	299	349	399	449 499
48	48	300 OK	350	400 OK	450 500 OK
49	49				
50	50				

GUN # B-15
SHOOTER: Steve Wade
SERIAL #