

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 06-13-01	Tracking #: TLW 0549
Project #: 241314	Engineer: M. Keeney
Test Objective: Document current production M/710 bolt opening and closing forces.	
Test Description: Sample 6 firearms, measure bolt closing and opening forces 3 times per each rifle. Also as a comparison, re-measure bolt opening & closing forces taken on competitor's rifles (TLW0305). DATA PROVIDED	
Resource Usage: Manpower Requirements - Facility Requirements -	Test Results Required: Formal Report: Data Only: X Requested Completion Date:
Required Materials/Parts/Equipment (include quantities):	
Test Parts Availability Date: 06-13-01	
Start Date: 06-13-01 Completion Date: 06-14-01 Report Date: 06-14-01	Test Assigned To: Bob Lee Assignment Date: 06/13/01 

ET20043

PROJECT : # 241314
TLW : # 0549

M/710 / COMPETITIVE RIFLES
BOLT OPENING/ CLOSING FORCES

START DATE : 06-13-01
FINISH DATE 06-14-01

PROJECT # 241314						
TLW : 0549						
BOLT OPENING / CLOSING FORCES ON M / 710 710, 700 AND COMPETITIVE CENTER FIRE RIFLES						
OPENING FORCE / FALLEN FIRING PIN						
GUN	SERIAL #	#1	#2	#3	AVG.	
(OLD) REM / M/710	71001080	13.46	14.2	14.3	13.98	
SAKO 995	888346	5.36	5.48	5.62	5.486	
SAVAGE 110	F683474	7.14	6.86	6.72	6.906	
WINCHESTER M/70	G2197198	11.52	11.28	11.06	11.28	
BROWNING A-BOLT	73170NT8C7	5.46	5.26	5.16	5.293	
REM M/ 700 ADL	E6229121	10.46	12.24	11.08	11.26	
(NEW) REM M/710	71016322	11.6	10.4	11.34	11.11	
(NEW) REM M/710	71015574	10.04	10.84	10.56	10.48	
(NEW) REM M/710	71015057	13.9	14.42	13.16	13.82	
CLOSING FORCE						
GUN	SERIAL #	#1	#2	#3	AVG.	
(OLD) REM M/710	71001080	DELETED	DELETED	DELETED		
SAKO 995	888346	8.18	8.16	8.1	8.146	
SAVAGE 110	F683474	11.26	11.02	11.68	11.32	
WINCHESTER M/70	G2197198	8.02	9.72	9.1	8.946	
BROWNING A-BOLT	73170NT8C7	8.12	8.3	8.16	8.193	
REM M/ 700 ADL	E6229121	8.52	8.28	7.64	8.146	
(NEW) REM M/710	71016322	10.6	10.32	10.2	10.37	
(NEW) REM M/710	71015574	10.48	10.76	10.46	10.56	
(NEW) REM M/710	71015057	13.5	13.26	12.74	13.16	

ET20044

old

PROJECT# 241095						
TLW 0305						
BOLT OPENING/CLOSING FORCES ON M/710,700 AND COMPETITIVE CENTER FIRE RIFLES						
OPENING FORCE						
GUN	SERIAL#	1	2	3	AVERAGE	Location
REM M/710	71001080	10.4	10.5	10.08	10.32667	8821
BROWNING A-BOLT	73170NT8C7	8.7	8.76	7.96	8.473333	J. Ronkainen
SAKO 995	888346	13.64	12.78	10.9	12.44	J. Ronkainen
SAVAGE 110	F683474	9.24	8.62	7.83	8.563333	4327
WINCHESTER M/70	G2197198	8.12	7.4	7.82	7.78	3A53
REM M/700 ADL	E6229121	11.64	11.8	10.96	11.46667	2839
CLOSING FORCE						
GUN	SERIAL#	1	2	3	AVERAGE	
REM M/710	71001080	11.9	12.4	12.5	12.26667	
BROWNING A-BOLT	73170NT8C7	12.7	12.86	13.1	12.88667	
SAKO 995	888346	10.76	9.22	8.96	9.646667	
SAVAGE 110	F683474	8.22	8.84	8.42	8.493333	
WINCHESTER M/70	G2197198	10.72	10.5	9.89	10.37	
REM M/700 ADL	E6229121	9.6	10.2	9.85	9.883333	
					X	

ET20045

START DATE : 06-13-01
FINISH DATE : 06-14-01

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Williams v. Remington