

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 1/28/2004	Tracking # : TLW 1383
Project # : 241314	Engineer: Franz for Keeney
Test Objective: To verify dimensions on the six T&P SAAMI Jar-Off, Drop Rotation rifles.	
Test Description: Measure dimensions as per supplied marked up prints for the following parts on rifles A-41 through A-46: • Trigger Pivot Pin • Sear Safety Cam • Side Plate (metal) • Insert Housing	
Resource Usage: Manpower Requirements -1 tech Facility Requirements -metrology	Test Results Required: Formal Report: Data Only: X Requested Completion Date: 1/29/04
Required Materials/Parts/Equipment (include quantities):	
Test Parts Availability Date: now	
Start Date: 1/28/04 Completion Date: 1/29/04 Report Date: 1/29/04	Test Assigned To: Steve Wade Assignment Date: 01/28/04

ET20078

Inspection Report

1/29/2004

BARBER - 5.22.06+0003700

Part Name:	trigger pivot pin										
Drawing Num:	B-300463	NOTE- Dimension identifiers will be provided on the prints supplied by engineering & the CAD group.									
TLW Number:	1383										
Revision Level:		INSTRUCTIONS:									
Vendor:		1. STAMP ALL PARTS WITH AN I.D. NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.									
Regulation #:		2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.									
Material:		3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE (OPTIONAL)									
Hardness:		4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBLE) AND DRAWING WITH IDENTIFIERS.									
Metallurgist:											
Engineer:	Mike Keeney	INSPECTOR NOTES:									
Inspected by:	Steve Wade										
Date:	1/28/03										
Reviewed by:											
Date:											

identifier	feature description	DIM	plus	minus	A-41	A-42	A-43	A-44	A-45	A-46	AVG	STDEV	Method
A	O.D.	0.1240	0.001	0.000	0.123	0.123	0.123	0.124	0.124	0.124	0.124	0.0005	MV
B	DISTANCE	0.3400	0.005	0.005	0.341	0.338	0.340	0.340	0.341	0.339	0.340	0.0012	MV
C											#DIV/0!	#DIV/0!	
D											#DIV/0!	#DIV/0!	
E											#DIV/0!	#DIV/0!	
F											#DIV/0!	#DIV/0!	
G											#DIV/0!	#DIV/0!	
H											#DIV/0!	#DIV/0!	
I											#DIV/0!	#DIV/0!	
J											#DIV/0!	#DIV/0!	
K											#DIV/0!	#DIV/0!	
L											#DIV/0!	#DIV/0!	
M											#DIV/0!	#DIV/0!	
N											#DIV/0!	#DIV/0!	
O											#DIV/0!	#DIV/0!	
P											#DIV/0!	#DIV/0!	
Q											#DIV/0!	#DIV/0!	
R											#DIV/0!	#DIV/0!	
S											#DIV/0!	#DIV/0!	
T											#DIV/0!	#DIV/0!	
U											#DIV/0!	#DIV/0!	
V											#DIV/0!	#DIV/0!	
W											#DIV/0!	#DIV/0!	
X											#DIV/0!	#DIV/0!	
Y											#DIV/0!	#DIV/0!	
Z											#DIV/0!	#DIV/0!	

ET20079

Confidential - S BARBER - 5.22.06+0003700 Order Williams V. Remington

doi:10.1017/S0007122612000097

BARBER - 5.22.06r0003701

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BARBER - 5.22.06r0003702

Part Name:	sear safety cam													
Drawing Num:	C-300502	NOTE- Dimension identifiers will be provided on the prints supplied by engineering & the CAD group.												
TLW Number:	1383													
Revision Level:		INSTRUCTIONS:												
Vendor:		1. STAMP ALL PARTS WITH AN I.D. NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.												
Requisition #:		2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.												
Material:		3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE (OPTIONAL)												
Hardness:		4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBLE) AND DRAWING WITH IDENTIFIERS.												
Metalurgist:														
Engineer:	Mike Keeney	INSPECTOR NOTES: IDENTIFIER B ALSO DONE ON CMM (JODY CARSON)												
Inspected by:	Steve Wade													
Date:	1/28/03													
Reviewed by:														
Date:														
identifier	feature description	DIM	plus	minus	A-41	A-42	A-43	A-44	A-45	A-46		AVG	STDEV	Method
A	I.D.	0.127	0.001	0.001	0.126	0.126	0.126	0.126	0.126	0.126		0.126	0.0000	PIN
B	DISTANCE	0.1835	0.0030	0.000	0.1946	0.1941	0.1940	0.1948	0.1944	0.1944		0.194	0.0003	MV
C	DISTANCE	0.148	0.000	0.000	0.149	0.149	0.150	0.149	0.149	0.149		0.149	0.0004	MV
D	DISTANCE	0.865	0.003	0.003	0.865	0.866	0.864	0.866	0.866	0.865		0.865	0.0008	MV
E												#DIV/0!	#DIV/0!	
F												#DIV/0!	#DIV/0!	
G												#DIV/0!	#DIV/0!	
H												#DIV/0!	#DIV/0!	
I												#DIV/0!	#DIV/0!	
J												#DIV/0!	#DIV/0!	
K												#DIV/0!	#DIV/0!	
L												#DIV/0!	#DIV/0!	
M												#DIV/0!	#DIV/0!	
N												#DIV/0!	#DIV/0!	
O												#DIV/0!	#DIV/0!	
P												#DIV/0!	#DIV/0!	
Q												#DIV/0!	#DIV/0!	
R												#DIV/0!	#DIV/0!	
S												#DIV/0!	#DIV/0!	
T												#DIV/0!	#DIV/0!	
U												#DIV/0!	#DIV/0!	
V												#DIV/0!	#DIV/0!	
W												#DIV/0!	#DIV/0!	
X												#DIV/0!	#DIV/0!	
Y												#DIV/0!	#DIV/0!	
Z												#DIV/0!	#DIV/0!	

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Williams v. Remington

Inspection Report

1/29/2004

BARBER - 5.22.06+0003703

Part Name:	trigger												
Drawing Num:	D-300483	NOTE- Dimension identifiers will be provided on the prints supplied by engineering & the CAD group.											
TLW Number:	1383												
Revision Level:		INSTRUCTIONS:											
Vendor:		1. STAMP ALL PARTS WITH AN I.D. NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.											
Requisition #:		2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.											
Material:		3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE (OPTIONAL)											
Hardness:		4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBLE) AND DRAWING WITH IDENTIFIERS.											
Metallurgist:													
Engineer:	Mike Keeney	INSPECTOR NOTES:											
Inspected by:	Steve Wade												
Date:	1/29/03												
Reviewed by:													
Date:													
identifier	feature description	DIM	plus	minus	A-41	A-42	A-43	A-44	A-45	A-46	AVG	STDEV	Method
A	I.D.	0.1259	0.0005	0.0005	.1260-	.1260-	.1260-	.1255+	.1260-	.1260-	#DIV/0!	#DIV/0!	PIN
B											#DIV/0!	#DIV/0!	
C											#DIV/0!	#DIV/0!	
D											#DIV/0!	#DIV/0!	
E											#DIV/0!	#DIV/0!	
F											#DIV/0!	#DIV/0!	
G											#DIV/0!	#DIV/0!	
H											#DIV/0!	#DIV/0!	
I											#DIV/0!	#DIV/0!	
J											#DIV/0!	#DIV/0!	
K											#DIV/0!	#DIV/0!	
L											#DIV/0!	#DIV/0!	
M											#DIV/0!	#DIV/0!	
N											#DIV/0!	#DIV/0!	
O											#DIV/0!	#DIV/0!	
P											#DIV/0!	#DIV/0!	
Q											#DIV/0!	#DIV/0!	
R											#DIV/0!	#DIV/0!	
S											#DIV/0!	#DIV/0!	
T											#DIV/0!	#DIV/0!	
U											#DIV/0!	#DIV/0!	
V											#DIV/0!	#DIV/0!	
W											#DIV/0!	#DIV/0!	
X											#DIV/0!	#DIV/0!	
Y											#DIV/0!	#DIV/0!	
Z											#DIV/0!	#DIV/0!	

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ET20082

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Williams v. Remington

TLW
1/28/2004

1853
1833
0030

Trigger Pinot Pin

PRINT# B-300463

PROJECT# 341314

ENG: Mike Kennedy

ID	DESCRIPTION	DIN	PLUS	MINUS	1	2	3	4	5	6	7	8	9	10	M
A	O.D.	.124	.001	.000	.123	.123	.123	.124	.124	.124					MV
B	Distance	.340	.005	.005	.344	.338	.340	.340	.341	.339					MV
C															
D															
E	Serv Safety Cam														
F	C-300502				.41	.42	.43	.44	.45	.46					Pin
GA	I.D.	.127	.001	.001	.126	.126	.126	.126	.126	.126					MV
HB	Distance	.1835	.0030	.0000	.1976	.1941	.1970	.1970	.1973	.1974					
XC	Distance	.148	.006	.000	.149	.149	.150	.149	.149	.149					
XD	Distance	.865	.003	.003	.865	.866	.864	.866	.866	.865					
KE															
L															
M															
N	Serv Safety Cam														
O	C-300501				.41	.42	.43	.44	.45	.46					MV
RA	Distance	.1276	.002	.002	.1235	.1223	.1224	.1227	.1225	.1224					MV
RD	Degree	27°			27.02	26.96	27.08	27.08	27.17	27.07					
R															
S															
T	Side Plate														
U	C-300333 (2E-300327)				.41	.42	.43	.44	.45	.46					Pin
WA	I.D. Medl	.1260	.0005	.0005	.1260	.1265	.1260	.1260	.1260	.1260					
WA	I.D. Plastic	.1220	.0015	.0015	.1235	.1235	.1230	.1230	.1230	.1235					
XA	I.D. Thru	.1260	.0005	.0005	.1235	.1235	.1230	.1230	.1230	.1235					
XB	I.D. Medl	.1240	.0005	.0005	.1260	.1260	.1260	.1260	.1260	.1265					
XB	I.D. Plastic	.1220	.0015	.0015	.1235	.1230	.1235	.1230	.1230	.1235					
XB	I.D. Thru	.1260	.0005	.0005	.1235	.1230	.1235	.1230	.1230	.1235					
XC	I.D. Medl	.1260	.0005	.0005	.1235	.1265	.1260	.1260	.1260	.1260					
XC	I.D. Plastic	.1220	.0015	.0015	.1245	.1240	.1235	.1235	.1235	.1235					
XC	I.D. Thru	.1260	.0005	.0005	.1245	.1240	.1235	.1235	.1235	.1235					
XD	O.D.	.1043	.005	.005	.1425	.1425	.1425	.1425	.1425	.1425					
FF															
GG															
HH															
II															
JJ															
KK															
LL															

ET20083

TLW
1/28/2004

PRINT # 0-300483

PROJECT #

ENG:

Trigg

41 42 43 44 45 46

ID	DESCRIPTION	DIN	PLUS	MINUS	1	2	3	4	5	6	7	8	9	10	M
A	3.0.	1259	.0005	.0005	1260-1260	1260-1260	1260-1260	1260-1260	1260-1260	1260-1260					Pin
B															
C															
D															
E															
F															
G															
H															
I															
J															
K															
L															
M															
N															
O															
P															
Q															
R															
S															
T															
U															
V															
W															
X															
Y															
Z															
AA															
BB															
CC															
DD															
EE															
FF															
GG															
HH															
II															
JJ															
KK															
LL															

ET20084

BARBER - 5.22.06r0003706

Part Name:	side plates														
Drawing Num:	C-300333 & 2E-300327	NOTE- Dimension Identifiers will be provided on the prints supplied by engineering & the CAD group.													
T/W Number:	1383														
Revision Level:		INSTRUCTIONS:													
Vendor:		1. STAMP ALL PARTS WITH AN I.D. NUMBER AND CHANGE I.D. AT TOP OF PAGE CORRESPONDINGLY.													
Requisition #:		2. TAG PARTS ONLY IF STAMPING IS NOT POSSIBLE.													
Material:		3. ENTER FEATURE DESCRIPTIONS WHEN POSSIBLE (OPTIONAL)													
Hardness:		4. WHEN COMPLETE, RETURN ALL PARTS TO ENGINEER IN ORIGINAL SHIPPING CARTON (IF POSSIBLE) AND DRAWING WITH IDENTIFIERS.													
Metallurgist:															
Engineer:	Mike Keeney	INSPECTOR NOTE'S:													
Inspected by:	Steve Wade														
Date:	1/29/03														
Reviewed by:															
Date:															
identifier	feature description	DIM	plus	minus	A-41	A-42	A-43	A-44	A-45	A-46			AVG	STDEV	Method
A	I.D. (metal side)	0.1260	0.0005	0.0005	0.1260	0.1265	0.1265	0.1260	0.1260	0.1260			0.126	0.0002	PIN
A	I.D. (plastic side)	0.1220	0.0015	0.0015	0.1235	0.1235	0.1230	0.1230	0.1230	0.1235			0.123	0.0003	PIN
A	I.D. (through both holes)	0.1260	0.0000	0.0040	0.1235	0.1235	0.1230	0.1230	0.1230	0.1235			0.123	0.0003	PIN
B	I.D. (metal side)	0.1260	0.0005	0.0005	0.1260	0.1260	0.1260	0.1260	0.1260	0.1265			0.126	0.0002	PIN
B	I.D. (plastic side)	0.1220	0.0015	0.0015	0.1235	0.1230	0.1235	0.1230	0.1230	0.1235			0.123	0.0003	PIN
B	I.D. (through both holes)	0.1260	0.0000	0.0040	0.1235	0.1230	0.1235	0.1230	0.1235	0.1235			0.123	0.0003	PIN
C	I.D. (metal side)	0.126	0.0005	0.0005	0.1255	0.1265	0.1260	0.1260	0.1260	0.1260			0.126	0.0003	PIN
C	I.D. (plastic side)	0.1220	0.0015	0.0015	0.1245	0.1240	0.1235	0.1235	0.1235	0.1235			0.124	0.0004	PIN
C	I.D. (through both holes)	0.126	0.0000	0.0040	0.1245	0.1240	0.1235	0.1235	0.1235	0.1235			0.124	0.0004	PIN
D	O D.	1.043	0.005	0.005	1.0425	1.0425	1.0425	1.0425	1.0425	1.0425			1.043	0.0000	CAL
K													#DIV/0!	#DIV/0!	
L													#DIV/0!	#DIV/0!	
M													#DIV/0!	#DIV/0!	
N													#DIV/0!	#DIV/0!	
O													#DIV/0!	#DIV/0!	
P													#DIV/0!	#DIV/0!	
Q													#DIV/0!	#DIV/0!	
R													#DIV/0!	#DIV/0!	
S													#DIV/0!	#DIV/0!	
T													#DIV/0!	#DIV/0!	
U													#DIV/0!	#DIV/0!	
V													#DIV/0!	#DIV/0!	
W													#DIV/0!	#DIV/0!	
X													#DIV/0!	#DIV/0!	
Y													#DIV/0!	#DIV/0!	
Z													#DIV/0!	#DIV/0!	

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Williams v. Remington

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 29 Sept. 2003	Tracking # : TLW 1292
Project # : 241230 - Mayfield Support	Engineer: Franz f/Derek Boyles(Mayfield)
Test Objective: Evaluate Safety operation on 10 M/710 rifles in .270 Win. Caliber. The 10 guns are divided into two test groups and represent a different design Safety Detent Spring(ID or wire diameter) and different length(shorter) Safety Pivot Pins.	
Test Description: • Measure Safety "On" to "Off" forces with the bolt in the rotated open position. • Measure Safety "Off" to "On" forces with the bolt in the rotated open position. • Repeat above two measurements with the bolt in the closed position. • Use the Chatillon 0-10 lb. digital force gauge and record the maximum force applied tangent to the pivot. • Take 10 measurements per gun/measurement. • Also note and record any intermediate stoppage of the Safety between the two positions, "Safe On" or Safe Off" for each of the 10 measurements.	
Resource Usage: Manpower Requirements -1 tech. Facility Requirements -Metrology	Test Results Required: Formal Report: Data Only: X Requested Completion Date: 9/30/03
Required Materials/Parts/Equipment (include quantities): 1- M/710 rifles, Chatillon digital force gauge.	
Test Parts Availability Date: now	
Start Date:9/29/03 Completion Date:9/30/03 Report Date:9/30/03	Test Assigned To:STEVE WADE Assignment Date:9/29/03

ET20086

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TLW1292

GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
16 E	BOLT OPEN	1.835	1.690	1.915	1.870	1.990	1.915	1.915	1.850	2.050	1.810	1.884
	SERIAL # 71136000											
		NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
16 E	BOLT OPEN	1.940	1.965	1.995	1.910	1.925	1.915	1.980	1.960	1.885	1.915	1.939
	SERIAL # 71136000											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
16 E	BOLT CLOSED	1.910	1.750	1.685	1.795	1.690	1.730	1.825	1.705	1.770	1.755	1.7615
	SERIAL # 71136000											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
16 E	BOLT CLOSED	5.515	5.400	5.570	5.510	5.410	5.450	5.475	5.520	5.610	5.555	5.5015
	SERIAL # 71136000											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
17 D	BOLT OPEN	2.045	2.180	2.120	2.210	2.055	2.095	2.070	2.075	2.015	1.985	2.085
	SERIAL # 71136019											
		NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
17 D	BOLT OPEN	2.185	2.195	2.150	2.175	2.205	2.140	2.200	2.230	2.155	2.200	2.1835
	SERIAL # 71136019											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
17 D	BOLT CLOSED	2.050	2.020	2.135	2.070	2.025	2.165	2.060	2.015	2.115	2.125	2.078
	SERIAL # 71136019											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
17 D	BOLT CLOSED	4.850	4.770	4.890	4.810	4.785	4.750	4.685	4.755	4.790	4.710	4.7795
	SERIAL # 71136019											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
18 A	BOLT OPEN	1.945	1.905	1.835	1.835	1.710	1.780	1.820	1.800	1.790	1.935	1.8355
	SERIAL # 71136016											
		NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										

BARBER - 5.22.06-0003708

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Williams V. Remington

ET20087

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TLW1292

GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
18 A	BOLT OPEN	2.070	2.095	2.000	2.015	2.000	2.115	2.050	2.075	2.035	2.040	2.0495
	SERIAL # 71136016											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
18 A	BOLT CLOSED	1.950	2.015	1.810	1.725	1.925	1.835	1.865	1.875	1.800	1.910	1.871
	SERIAL # 71136016											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
18 A	BOLT CLOSED	6.640	7.050	6.590	6.330	6.425	6.595	6.565	6.495	6.625	6.655	6.597
	SERIAL # 71136016											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
19 B	BOLT OPEN	2.025	2.025	2.080	2.105	2.010	2.100	1.965	1.990	2.085	1.935	2.032
	SERIAL # 71135998	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
19 B	BOLT OPEN	1.865	1.835	1.905	1.825	1.970	1.815	1.750	1.840	1.880	1.850	1.8535
	SERIAL # 71135998											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
19 B	BOLT CLOSED	1.875	2.030	1.840	1.965	1.855	1.900	2.085	1.990	1.885	1.935	1.936
	SERIAL # 71135998											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
19 B	BOLT CLOSED	4.675	4.690	4.975	4.760	4.715	4.755	4.720	4.720	4.755	4.750	4.7515
	SERIAL # 71135998											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
20 C	BOLT OPEN	1.910	1.905	1.875	2.035	2.020	1.935	1.845	1.995	1.910	1.915	1.9345
	SERIAL # 71135997	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
20 C	BOLT OPEN	1.760	1.815	1.845	1.915	1.845	1.845	1.860	1.860	1.830	1.855	1.842

BARBER - 5.22.06r0003709

ET20088

Confidential - Sheriff - 5.22.06r0003709

Williams v. Remington

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TLW1292

	SERIAL # 71135997											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
20 C	BOLT CLOSED	1.885	1.980	1.995	1.915	2.065	1.985	1.890	1.935	1.850	1.865	1.9365
	SERIAL # 71135997											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
20 C	BOLT CLOSED	4.815	4.925	4.955	4.945	4.815	4.780	4.855	4.895	4.830	4.980	4.8795
	SERIAL # 71135997											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT OPEN	2.995	3.025	3.085	3.025	2.880	2.975	3.025	3.015	3.065	3.025	3.0115
	SERIAL # 71135995	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT OPEN	2.925	2.965	2.875	2.900	2.980	2.960	2.975	2.910	2.995	2.975	2.946
	SERIAL # 71135995											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT CLOSED	2.835	2.945	2.895	2.945	2.885	2.955	3.020	3.030	2.795	2.895	2.92
	SERIAL # 71135995											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT CLOSED	6.890	6.690	6.695	6.930	6.900	6.990	6.625	6.815	7.225	6.940	6.87
	SERIAL # 71135995											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT OPEN	3.115	3.135	3.170	3.180	3.030	3.075	3.010	3.030	3.185	3.165	3.1095
	SERIAL # 71135875	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT OPEN	3.080	3.010	3.050	3.045	3.110	3.065	3.085	3.095	3.175	3.085	3.08
	SERIAL # 71135875											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG

BARBER - 5.22.06-0003710

Confidential - ~~BARBER~~ - 5.22.06-0003710 Order
Williams v. Remington

ET20089

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TLW1292

22	BOLT CLOSED	3.040	3.095	3.015	3.105	3.050	3.045	3.100	3.110	2.990	3.060	3.061
	SERIAL # 71135875											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT CLOSED	6.185	6.075	6.285	6.210	6.035	6.105	6.100	6.145	6.010	6.105	6.1255
	SERIAL # 71135875											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT OPEN	3.105	3.090	3.245	3.165	3.380	3.110	3.290	3.225	3.280	3.165	3.2055
	SERIAL # 71135881	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT OPEN	3.035	3.165	3.180	3.170	3.185	3.150	3.200	3.160	3.165	3.180	3.159
	SERIAL # 71135881											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT CLOSED	3.260	3.240	3.145	3.105	3.150	3.235	3.125	3.265	3.150	3.120	3.1795
	SERIAL # 71135881											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT CLOSED	6.430	6.455	6.500	6.545	6.435	6.600	6.380	6.445	6.290	6.310	6.439
	SERIAL # 71135881											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT OPEN	3.140	3.185	3.120	3.160	3.115	3.160	3.135	3.125	3.110	3.190	3.144
	SERIAL # 71135999	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT OPEN	3.285	3.240	3.135	3.165	3.280	3.140	3.215	3.285	3.210	3.190	3.2145
	SERIAL # 71135999											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT CLOSED	3.230	3.125	3.215	3.255	3.240	3.260	3.045	3.185	3.205	3.150	3.191
	SERIAL # 71135999											

BARBER - 5.22.06 r0003711

Confidential - ~~Shirley~~ 50220600003711 Order
Williams V. Remington

ET20090

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TLW1292

GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT CLOSED	7.635	7.665	7.465	7.490	7.705	7.575	7.615	7.630	7.795	7.665	7.624
	SERIAL # 71135999											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT OPEN	3.190	3.145	3.150	3.110	3.115	3.095	3.150	3.155	3.125	3.115	3.135
	SERIAL # 71135891	NOTE : CAN POSITION SAFETY AT INTERMEDIATE POINT.										
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT OPEN	3.245	3.305	3.255	3.280	3.275	3.265	3.285	3.285	3.270	3.260	3.2725
	SERIAL # 71135891											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT CLOSED	3.200	3.140	3.180	3.245	3.225	3.145	3.165	3.295	3.135	3.170	3.19
	SERIAL # 71135891											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT CLOSED	8.330	7.840	7.830	7.895	7.870	8.050	7.800	7.795	7.860	7.915	7.9185
	SERIAL # 71135891											

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ET20091

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TKW1292

GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
16AE	BOLT OPEN	1.835	1.650	1.915	1.970	1.990	1.915	1.915	1.950	2.030	1.810	#DIV/0!
	SERIAL #											
	71136000											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
16AE	BOLT OPEN	1.740	1.765	1.795	1.910	1.925	1.915	1.980	1.960	18.85	1.915	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
16AE	BOLT CLOSED	1.910	1.750	1.685	1.795	1.690	1.730	1.825	1.705	1.770	1.755	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
16AE	BOLT CLOSED	5.515	5.400	5.570	5.510	5.410	5.450	5.475	5.520	5.610	5.555	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
17D	BOLT OPEN	2.045	2.186	2.120	2.210	2.055	2.095	2.070	2.075	2.015	1.985	#DIV/0!
	SERIAL #											
	71136019											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
17D	BOLT OPEN	2.185	2.195	2.150	2.175	2.205	2.140	2.200	2.230	2.155	2.200	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
17D	BOLT CLOSED	2.050	2.070	2.135	2.070	2.025	2.165	2.060	2.015	2.115	2.125	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
17D	BOLT CLOSED	4.850	4.770	4.890	4.810	4.785	4.730	4.685	4.755	4.790	4.710	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
18A	BOLT OPEN	1.945	1.905	1.835	1.835	1.710	1.780	1.820	1.800	1.790	1.935	#DIV/0!
	SERIAL #											

71136016

BARBER - 5.22.06-0003713

Confidential - SWARTER .632P060005143 Order Williams v. Remington

ET20092

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TKW1292

GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
18A	BOLT OPEN	2.070	2.095	2.000	2.015	2.000	2.115	2.050	2.075	2.035	2.040	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
18A	BOLT CLOSED	1.950	2.015	1.870	1.725	1.925	1.835	1.865	1.875	1.800	1.910	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
18A	BOLT CLOSED	6.640	7.050	6.570	6.730	6.425	6.595	6.565	6.495	6.625	6.655	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
19B	BOLT OPEN	2.025	2.025	2.000	2.105	2.010	2.100	1.965	1.990	2.080	1.935	#DIV/0!
	SERIAL #											
	7113 5998											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
19B	BOLT OPEN	1.865	1.835	1.905	1.825	1.970	1.815	1.750	1.840	1.880	1.850	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
19B	BOLT CLOSED	1.875	2.030	1.840	1.965	1.855	1.900	2.085	1.990	1.885	1.935	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
19B	BOLT CLOSED	4.675	4.690	4.975	4.760	4.715	4.755	4.720	4.720	4.755	4.750	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
20C	BOLT OPEN	1.910	1.905	1.875	2.035	2.020	1.935	1.845	1.995	1.910	1.915	#DIV/0!
	SERIAL #											
	7113 5997											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
20C	BOLT OPEN	1.760	1.815	1.845	1.915	1.845	1.845	1.850	1.860	1.870	1.855	#DIV/0!

BARBER - 5.22.06r0003714

Confidential - S. BARBER, 1922-06-060606144 Order
Williams v. Remington

ET20093

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TKW1292

	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
20C	BOLT CLOSED	1.885	1.980	1.995	1.915	2.065	1.985	1.890	1.935	1.850	1.865	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
20C	BOLT CLOSED	4.815	4.925	4.955	4.945	4.815	4.780	4.855	4.895	4.820	4.980	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT OPEN	3.995	3.025	3.085	3.025	2.880	2.975	3.025	3.015	3.065	3.025	#DIV/0!
	SERIAL #											
	71135995											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT OPEN	2.925	2.965	2.875	2.900	2.980	2.960	2.975	2.910	2.995	2.975	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT CLOSED	2.835	2.945	2.895	2.945	2.885	2.955	3.020	3.030	2.795	2.895	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
21	BOLT CLOSED	6.890	6.690	6.695	6.930	6.900	6.990	6.625	6.815	7.225	6.940	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT OPEN	3.115	3.125	3.170	3.180	3.030	3.075	3.040	3.030	3.185	3.165	#DIV/0!
	SERIAL #											
	71135875											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT OPEN	3.080	3.010	3.050	3.045	3.110	3.065	3.085	3.095	3.175	3.085	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG

BARBER - 5.22.06r0003715

Confidential - SHARBER - 522P000003715e Order
Williams V. Remington

ET20094

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TKW1292

22	BOLT CLOSED	3.040	3.095	3.015	3.105	3.080	3.045	3.100	3.110	3.090	3.060	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
22	BOLT CLOSED	6.185	6.075	6.285	6.210	6.035	6.105	6.100	6.145	6.010	6.105	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT OPEN	3.105	3.090	3.245	3.165	3.380	3.110	3.290	3.225	3.280	3.165	#DIV/0!
	SERIAL #											
	71135881											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT OPEN	3.035	3.165	3.180	3.170	3.185	3.150	3.300	3.160	3.165	3.180	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT CLOSED	3.260	3.240	3.145	3.105	3.150	3.235	3.125	3.265	3.150	3.120	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
23	BOLT CLOSED	6.430	6.455	6.500	6.545	6.435	6.600	6.380	6.445	6.290	6.310	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT OPEN	3.140	3.185	3.120	3.160	3.115	3.160	3.135	3.125	3.110	3.190	#DIV/0!
	SERIAL #											
	71135999											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT OPEN	3.285	3.240	3.135	3.165	3.280	3.140	3.215	3.285	3.210	3.190	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
24	BOLT CLOSED	3.230	3.125	3.215	3.255	3.240	3.260	3.045	3.185	3.205	3.150	#DIV/0!
	SERIAL #											

BARBER - 5.22.06r0003716

Confidential - SHARBER - 522P000003716 Order Williams v. Remington

ET20095

PROJECT # 241230

EVALUATE SAFETY OPERATION M/710

TRACKING # TKW1292

GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT CLOSED	7.635	7.665	7.465	7.490	7.705	7.575	7.615	7.630	7.795	7.665	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT OPEN	3.190	3.145	3.180	3.140	3.115	3.095	3.180	3.155	3.125	3.115	#DIV/0!
	SERIAL #											
	71135891											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT OPEN	3.245	3.305	3.255	3.280	3.275	3.265	3.285	3.285	3.270	3.260	#DIV/0!
	SERIAL #											
GUN #	SAFETY ON TO OFF	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT CLOSED	3.200	3.140	3.180	3.245	3.225	3.145	3.165	3.295	3.135	3.170	#DIV/0!
	SERIAL #											
GUN #	SAFETY OFF TO ON	1	2	3	4	5	6	7	8	9	10	AVG
25	BOLT CLOSED	8.330	7.840	7.830	7.895	7.870	8.080	7.800	7.795	7.860	7.915	#DIV/0!
	SERIAL #											

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