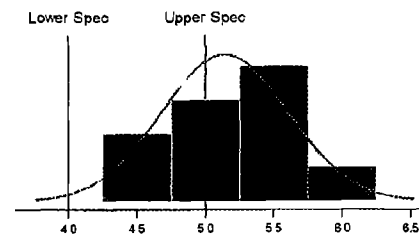


PROJECT# 241095
TLW 0344

GUN	TRIGGER PULL	Trial 1	Trial 2	Trial 3	AVERAGE
A-1	4.75	5	4.5	4.75	4.75
A-2	4.75	4.75	4.75	4.75	4.75
A-3	5.5	5.25	5	5.25	5.25
A-4	5.5	5.5	5.25	5.25	5.42
A-5	6	5.75	5.75	5.75	5.83
A-6	4.75	4.25	4.75	4.58	4.58
A-7	4.75	5	5	4.92	4.92
A-8	5.5	5.5	6	5.67	5.67
A-9	6	5.25	5.5	5.58	5.58
A-10	4.75	4.5	4.75	4.67	4.67

Overall Avg. = 5.14 lbs.
Std. Dev. = 0.4632314 lbs.

Model 710 - 10 Gun Test Data



Pp	0.36	Temp		Mean	5.14209	%HGL Exp	62.05	PPM-HGL Exp	820409
PPU	-0.10	LSL	3.990	Mean+3s	6.53056	Obs	50.00	Obs	500000
PPL	0.62	LSL	4.000	Mean-3s	3.75342	%LGL Exp	0.68	PPM-LGL Exp	6807
Ppk	-0.10	k	1.294	s	0.46208	Obs	0.00	Obs	0
Cpm	-	n	10.000						

CONFIRM PROPER FIT BETWEEN STOCK AND RECEIVER AND STOCK TO BARREL. NO SHIMS

GUN	
A-1	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-2	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-3	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-4	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-5	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-6	OK
A-7	OK
A-8	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-9	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-10	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS

CONFIRM PERMANENT ATTACHMENT OF RECOIL LUG TO STOCK

RECOIL LUGS ON ALL 10 GUNS WERE PERMANENTLY GLUED TO THE STOCK

GUN	HEAD SPACE	PROOF RDS	HEAD SPACE	@ 10 RDS.	Firing Pin-->	BOLT OPENING FORCE MEASUREMENTS (lbs.)			
						w/DUMMY	w/o DUMMY	w/DUMMY	w/o DUMMY
						Cocked	Cocked	Uncocked	Uncocked
A-1	MIN	1	0.001	0.002		4.23	2.67	12.59	11.62
A-2	0.001	1	0.003	0.003		3.43	2.64	13.75	13.46
A-3	0.002	1	0.002	0.003		2.48	2.67	13.15	12.79
A-4	MIN	1	0.002	0.002		3.89	3.34	11.63	10.82
A-5	0.001	1	0.002	0.002		3.38	2.55	13.54	12.39
A-6	0.001	1	0.002	0.002		3.29	2.53	11.89	11.54
A-7	0.001	1	0.002	0.002		2.97	2.59	14.88	15.09
A-8	0.001	1	0.002	0.002		3.28	3.09	14.61	14.97
A-9	0.001	1	0.002	0.002		3.16	3.39	11.8	11.09
A-10	0.001	1	0.002	0.002		3.70	3.54	10.03	9.83
Avg.						3.38	2.92	12.77	12.33
Std. Dev						0.49	0.39	1.51	1.77

BOLT CLOSING FORCE MEASUREMENTS (lbs.)	
w/o DUMMY	
FORWARD FORCE	

38.70

32.85

35.45

34.37

34.82

33.75

32.94

39.68

30.59

30.17

Note: Could not get consistent closing force measurements.
Overall impression is that they close better than DAT samples

ET29972

Confidential - Subject: 5.22.06r0006944 Order

Williams v. Remington

M710 DAT Phase II - Status as of 9/15/00

<u>Measurement</u>	<u>Description</u>	<u>No. Guns</u>	<u>Avg.</u>	<u>Max.</u>	<u>Min.</u>	<u>S.D.</u>
Headspace as Rec'd		30	Min.+002	Min.+004	Min.+0	
Headspace after Proof		30	Min.+003	Min.+005	Min.+001	
Firing Pin Indent		30	.017	.019	.015	
Trigger Pull as Rec'd(in Stock)		30	4.75	6.67	2.00	.77
Trigger Pull as Rec'd (no stock)		30	4.66	5.92	1.67	.73

CONFIDENTIAL 83

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PROJECT# 241095
TLW 0344

GUN	TRIGGER PULL	Trial 1	Trial 2	Trial 3	AVERAGE
A-1		4.75	5	4.5	4.75
A-2		4.75	4.75	4.75	4.75
A-3		5.5	5.25	5	5.25
A-4		5.5	5.5	5.25	5.42
A-5		6	5.75	5.75	5.83
A-6		4.75	4.25	4.75	4.58
A-7		4.75	5	5	4.92
A-8		5.5	5.5	6	5.67
A-9		6	5.25	5.5	5.58
A-10		4.75	4.5	4.75	4.67

Overall Avg. =	5.14	lbs.
Std. Dev. =	0.4632314	lbs.

CONFIRM PROPER FIT BETWEEN STOCK AND RECEIVER AND STOCK TO BARREL, NO SHIMS

GUN	
A-1	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-2	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-3	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-4	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-5	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-6	OK
A-7	OK
A-8	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-9	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS
A-10	STOCK, BARREL AND RECEIVER GAPS NOT UNIFORM BUT NOT EXCESSIVE NO SHIMS

CONFIRM PERMANENT ATTACHMENT OF RECOIL LUG TO STOCK

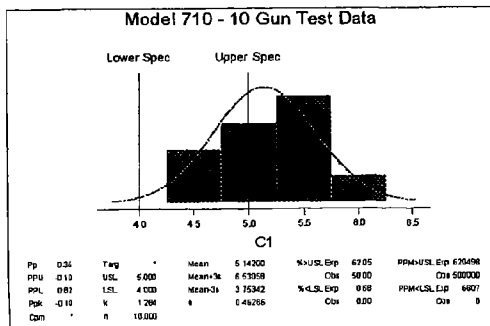
RECOIL LUGS ON ALL 10 GUNS WERE PERMANENTLY GLUED TO THE STOCK

GUN	HEAD SPACE	PROOF RDS	HEAD SPACE	HEAD SPACE
				@ 10 RDS.
A-1	MIN	1	0.001	0.002
A-2	0.001	1	0.003	0.003
A-3	0.002	1	0.002	0.003
A-4	MIN	1	0.002	0.002
A-5	0.001	1	0.002	0.002
A-6	0.001	1	0.002	0.002
A-7	0.001	1	0.002	0.002
A-8	0.001	1	0.002	0.002
A-9	0.001	1	0.002	0.002
A-10	0.001	1	0.002	0.002

BOLT OPENING FORCE MEASUREMENTS (lbs.)				
Firing Pin	w/DUMMY	w/o DUMMY	w/DUMMY	w/o DUMMY
	Cocked	Cocked	Uncocked	Uncocked
	4.23	2.87	12.59	11.82
	3.43	2.84	13.75	13.46
	2.48	2.87	13.15	12.79
	3.88	3.34	11.83	10.62
	3.38	2.55	13.54	12.35
	3.26	2.53	11.69	11.54
	2.97	2.50	14.88	15.09
	3.28	3.09	14.61	14.97
	3.16	3.39	11.8	11.05
	3.70	3.54	10.03	9.85
Avg.	3.38	2.82	12.77	12.33
Std. Dev.	0.48	0.30	1.51	1.77

BOLT CLOSING FORCE MEASUREMENTS (lbs.)	
w/o DUMMY	
WARD FORCE	
38.70	
32.85	
35.45	
34.25	
34.85	
33.75	
32.84	
33.68	
30.50	
30.17	
34.33	
3.07	

Note: Could not get consistent closing force measurements.
Overall impression is that they close better than DAT samples.



ET29974