

PROJECT# 241095
TLW 0344

<u>GUN</u>	<u>TRIGGER PULL</u>	<u>Trial 1</u>	<u>Trial 2</u>	<u>Trial 3</u>	<u>AVERAGE</u>
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 A
Std. Dev.

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

<u>GUN</u>	
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

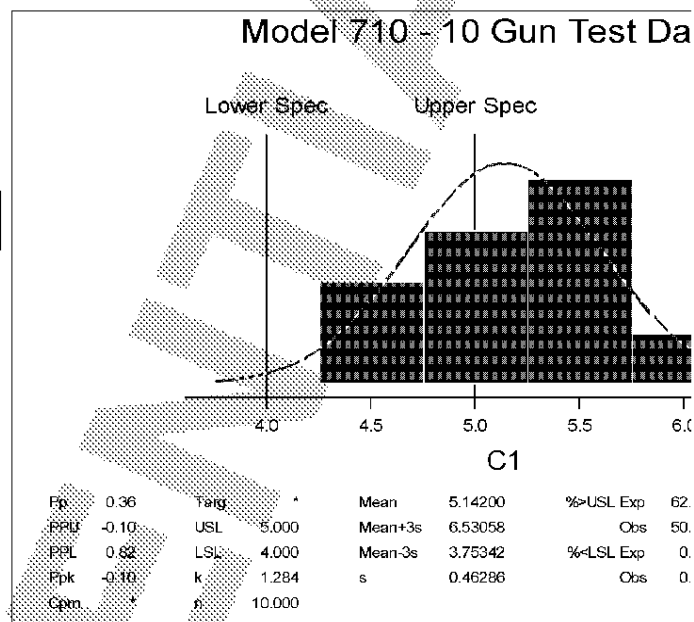
RECOIL LUGS ON ALL 10 GUNS WERE PERMANENTLY GLUED TO THE STOCK.

<u>GUN</u>	<u>HEAD SPACE</u>	<u>PROOF RDS</u>	<u>HEAD SPACE</u>	<u>HEAD SPACE</u>		<u>BOLT OPEN</u>
				<u>@ 10 RDS.</u>	<u>Firing Pin--></u>	<u>w/DUMMY</u>
A-1	MIN	1	0.001	0.002		Cocked 4.23
A-2	0.001	1	0.003	0.003		3.43
A-3	0.002	1	0.002	0.003		2.48
A-4	MIN	1	0.002	0.002		3.89
A-5	0.001	1	0.002	0.002		3.38
A-6	0.001	1	0.002	0.002		3.26
A-7	0.001	1	0.002	0.002		2.97
A-8	0.001	1	0.002	0.002		3.28
A-9	0.001	1	0.002	0.002		3.16
A-10	0.001	1	0.002	0.002		3.70
Avg.						3.38
Std. Dev.						0.49

Subject to Protective Order - Williams v. Remington

ETE00002379

avg. =	5.14	lbs.
=	0.4632314	lbs.

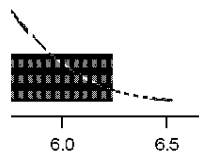


CLOSING FORCE MEASUREMENTS (lbs.)		
w/o DUMMY	w/DUMMY	w/o DUMMY
Cocked	Uncocked	Uncocked
2.67	12.59	11.62
2.84	13.75	13.46
2.67	13.15	12.79
3.34	11.63	10.62
2.55	13.54	12.35
2.53	11.69	11.54
2.59	14.88	15.09
3.09	14.61	14.97
3.39	11.8	11.03
3.54	10.03	9.83
2.92	12.77	12.33
0.39	1.51	1.77

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	
34.33	
3.07	

Note: Could not get consistent closing force measurements.
Overall impression is that they close better than D1.

: Data



cp	62.05	PPM>USL Exp	620498
ps	50.00	Obs	500000
cp	0.68	PPM<LSL Exp	6807
ps	0.00	Obs	0

urements.
AT samples.

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200 ROUND JACK FUNCTION TEST

GUN	AMMO	ROUNDS	
A-1	REM R30065 180GR	200	NO MALFUNCTIONS
A-2	REM R30065 180GR	107	BOLT HANDLE BROKE 107 RDS
A-3	REM R30065 180GR	200	NO MALFUNCTIONS
A-4	REM R30065 180GR	200	(6) STEM LOWS, FOLLOWER STICKING. FILED FOLLOWER NO MORE MALFUNCTIONS
A-5	REM R30065 180GR	200	NO MALFUNCTIONS
A-6	REM R30065 180GR	200	NO MALFUNCTIONS
A-7	REM R30065 180GR	200	NO MALFUNCTIONS
A-8	REM R30065 180GR	200	NO MALFUNCTIONS
A-9	REM R30065 180GR	200	(6) STEM LOWS, FOLLOWER STICKING. FILED FOLLOWER NO MORE MALFUNCTIONS
A-10	REM R30065 180GR	200	NO MALFUNCTIONS

* TESTERS REPORTED THAT THE BOLT CLOSING FORCE WAS VERY HIGH WHILE ROTATING THE OPERATING HANDLE DOWNWARD ON GUNS A-1 & A-7, THIS OCCURRED MOST OF THE TIME, BUT NOT ON EVERY CYCLE.

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ISS ABUSE TEST

GUN

OLD STYLE INSERT

- A-1 BOLT CLOSED EASILY WITH ISS LOCKED. NO VISIBLE DAMAGE.
- A-5 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
- A-7 **CLOSED BOLT WITH ISS LOCKED. BROKE BOLT PLUG. DAMAGE VISIBLE.**
- A-8 **CLOSED BOLT WITH ISS LOCKED. BROKE BOLT PLUG. DAMAGE VISIBLE.**

NEW STYLE INSERT

- A-3 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
- A-6 COULD NOT CLOSE BOLT ISS LOCKED. NO DAMAGE VISIBLE.
- A-9 CLOSED BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.
- A-10 COULD NOT CLOSE BOLT WITH ISS LOCKED. NO DAMAGE VISIBLE.

INSPECTED ALL BOLT PLUG WITHOUT VISIBLE DAMAGE USING STEREOSCOPE