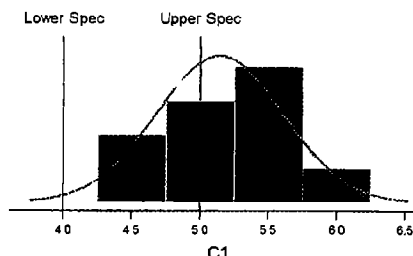


PROJECT# 241095
TLW 0344

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	4.82
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.

Model 710 - 10 Gun Test Data



Pp	0.38	Tep	*	Mean	5.14200	%MSL Exp	62.05	PPM<MSL Exp	820498
PPU	-0.10	LSL	5.000	Mean+3s	6.53058	Obs	50.00	Obs	500000
PPL	0.02	LSL	4.000	Mean-3s	3.75342	%<LSL Exp	0.68	PPM<LSL Exp	6867
Ppk	-0.10	k	1.284	s	0.49288	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.	BOLT OPENING FORCE MEASUREMENTS (lbs.)			
				w/DUMMY Firing Pin->	w/o DUMMY Cocked	w/DUMMY Uncocked	w/o DUMMY Uncocked
A-1	MIN	1	0.001	0.002	4.23	2.87	12.59
A-2	0.001	1	0.003	0.003	3.43	2.84	13.75
A-3	0.002	1	0.002	0.003	2.46	2.67	13.15
A-4	MIN	1	0.002	0.002	3.89	3.34	11.63
A-5	0.001	1	0.002	0.002	3.38	2.55	13.54
A-6	0.001	1	0.002	0.002	3.26	2.53	11.95
A-7	0.001	1	0.002	0.002	2.97	2.59	14.88
A-8	0.001	1	0.002	0.002	3.28	3.09	14.61
A-9	0.001	1	0.002	0.002	3.16	3.39	11.8
A-10	0.001	1	0.002	0.002	3.70	3.54	10.03
Avg.					3.38	2.92	12.77
Std. Dev					0.49	0.39	1.51

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 DAT samples

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

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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		5	5.75	5.75	5.5
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		5	5.25	5.5	5.58
A-10		4.75	4.5	4.75	4.67

Overall Avg. = 5.14 lbs.
Std. Dev. = 0.4832314 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

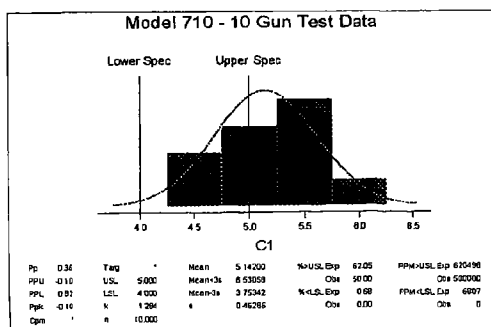
CONFIRM PERMANENT ATTACHMENT OF RECOIL LUG TO STOCK RECOIL LUGS ON ALL 10 GUNS WERE PERMANENTLY GLUED TO THE STOCK

GUN	HEAD SPACE	PROOF RDS	HEAD SPACE	HEAD SPACE @ 10 RDS.
A-1		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

Firing Pin	BOLT OPENING FORCE MEASUREMENTS (lbs.)			
	w/DUMMY	w/o DUMMY	w/DUMMY	w/o DUMMY
	Cocked	Cocked	Uncocked	Uncocked
	4.23	2.67	12.59	11.62
	3.43	2.84	13.75	13.46
	2.48	2.67	13.15	12.79
	3.68	3.34	11.63	10.62
	3.38	2.55	13.54	12.35
	3.26	2.53	11.69	11.54
	2.97	2.59	14.68	15.09
	3.28	3.09	14.61	14.97
	3.16	3.39	11.81	11.09
	3.70	3.34	10.63	9.86
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	WARD FORCE
38.78	
32.85	
35.45	
34.97	
34.86	
33.75	
32.94	
35.68	
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