Test Lab Work Request Form

Date Submitted: 3-3-03 Tracking #: TLW 1116H

Project #: 241375 Engineer: Ronkainen

Test Objective: Measure the safety ON/OFF forces with the bolt closed to see if the fluted firing pin has an appreciable affect on safety operating forces.

Test Description: Using a Chatillon digital force gage with a V-notch tip, measure the safety operating forces required to move the safety from SAFE to FIRE (safety OFF) and from FIRE to SAFE (safety ON) with the bolt closed. Apply the force to the safety button with the force gage held as close to horizontal as possible. Take five measurements in each direction. The average of the 5 measurements will be the safety ON or OFF forces, depending on the direction the force was applied.

Resource Usage: Test Result's Required

Manpower Requirements – Formal Report: Data Only: XX

Facility Requirements - metrology

Requested Completion Date:

Required Materials/Parts/Equipment (include quantities):

12 EET guits
Chatillot force gage with v-notch tip

Test Parts Availability Date:

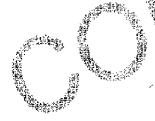
Start Date:4/24/03 Test Assigned To: Jeff Wade & Steve Wade

Completion Date:4/24/03

Report Date: Assignment Date: 04/24/03

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PROJECT #													
TLW 1116H													
EET FLUTE]							
SAFETY ON AND OFF FORCES													
DONE BY J	IEFF WAD	E & STEVE	WADE			.Kb:							
SAFETY F	ROM FIRE	TO SAFE F	ORCES		.6	5 <u>5</u>							
GUN#	1	2	3	4	5.7	AVERAGE							
A 1	6.505	6.710	6.485	6.435,	6.715	6.570							
A2	6.615	6.815	6.245	6.090	6.180	56.389							
A3	6.780	6.580	6.580	6.450	6.315	6.541							
A4	6.695	6.580	7.020	6.690	6.585	6.714							
A5	7.445	7.200	6.960	6.750	ુા∳ે 6. 8 05	7.032							
A6	6.520	6.360	6.080	6.020	6.000	6.196							
A7	7.165	7.065	7:345	7:380	7.090	7.209							
A8	5.860	6.020	5.875	5.910	5.835	5.900							
A9 .	5.780	5.465	5 520	5.740	5.420	5.585							
A10	4.925	4.750	4.670	4.650	4.735	4.746							
A11	j.: 5.655	5.690	5.785	5.700	5.890	5.744							
A12	6.305	6.300	6.200	6.265	6.130	6.240							
	ROM SAFE	TO FIRE F	ORCES										
GUN#	1	2	3	4	5	AVERAGE							
A1	5.755	5.955	6.040	5.690	5.870	5.862							
A2	6.550	6.505	6.850	6.460	6.110	6.495							
A3	4.205	4,090	4.250	4.235	4.305	4.217							
A4	4.570	4,200	4.400	4.225	4.265	4.332							
A5	6.740	6.615	6.475	6.690	6.455	6.595							
A6	5.985	5.925	5.555	5.565	5.385	5.683							
A7	4.420	4.195	4.155	4.210	4.210	4.238							
8A	4.795	4.745	4.630	4.740	4.790	4.740							
A 9	6.230	5.820	6.015	5.840	5.935	5.968							
A10	6.310	6.140	6.470	6.270	6.464	6.331							
A11	5.770	5.625	5.865	5.725	5.475	5.692							
A12	8.160	8.110	8.480	8.375	8.270	8.279							



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		24 00	FORCE	-5			AVG.	
	A <u>\</u>	6.505	6.710	6.485	6.435	4.715	6,570	
	<u>A2</u>	6.615	16.812	1.242	6.090	6.180	6.389	
	A3	6.780	6.580	6.580	6.450	6,315	6,541	
Z	A†	6.695	<u>6.280</u>	2.030	إ 90 ما ، ما	6.585	6.714	
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	Au	6:500	6.360	6.080_	6-020	6.000	6.196	
	A٦	7.165	7.065	7,345	7.380	7.090	7,20%	
	A8	5.860	6.030	5.875	5.910	5 <u>-835</u>	5,909	
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	Y	4.570	4.900	4,400	4.332	4.265	4,332	
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	A8	4.795	4,745	4.630	H"2H0	4,790	4,740	
»·•	A9	6,330	5.830	6.015	5.840	5.935	5.968	
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	An	18.160	18/110	8.480	8.375	18.270	8,279	
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