Test Lab Request Form Instructions

 The TLW request form can be found on the second worksheet (tabs at bottom of the screen) of this file. BARBER -

RE 0005736

- Please fill in all required fields as noted in red. Please fill in all other fields if applicable / possible. Instructions for each field will appear when you click on the field. The procedure field is an embedded MS Word object which will allow you to use formatting features not possible in Excel (i.e. paragraphs, bullets, numbering, etc).
- If possible, create your desired data table and/or graph formats in the additional worksheets of this file. This is preferred over extensive written procedures.
- If the request is for High Speed Video, specify any desired parameters (i.e. frame rate, resolution, etc.) in the "HSV Setup" tab. If not specified, the videographer will document the parameters that they chose to use.
- Once the form is completed, save this file on your personal computer using the following format:

TLW#### - Brief Description

Try to keep the description as concise as possible. Your name in the filename is no longer necessary.

Email the file to Phillip Reesor (primary) and Mark Hammond (secondary).
 Phillip will return your email with the assigned number and the assignee

Test Lab Work Request Form

	Engineer: Vince Nor	
	Date Submitted:	12/10/2008
	Test Description:	Assemble new receiver insert assemblies in a Model 770 action and measure safety on/off forces
	Test Procedure:	 Continue test from TLW-2645. Use the same numbered receiver ins assemblies for this test. Assemble a receiver insert assembly into a Model 770 action. With the bolt closed measure safety on and off forces. Take 3 measurements and record each one. Cycle the safety on and off 50 times and then record forces again. Cycle the safety on and off 50 more times and then record forces again. Reverse the orientation of the safety pivot pin and insert it from the r side. Record safety on off forces with the pivot pin in this orientation. Ta measurements of each one. Repeat this on 6 assemblies. Take one of these receiver inserts and run it up to 3000 cycles on the cycle fixture. Measure the safety on/off forces after every 500 cycles. Measure sear lift after 3000 cycles. **The following steps are to be performed on a current receiver insert assen 12. Assemble a current receiver insert assembly into a Model 770 action 13. With the bolt closed measure safety on and off forces. Take 3 measurements and record each one. Cycle the safety on and off 50 times and then record forces again. Cycle the safety on and off 50 more times and then record forces again. Repeat this on 5 assemblies. Take one of the new trigger block receiver inserts
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Test Lab Work Request Form

TLW #: 2656 Requested Completion Date: 12/18/2008

est from TLW-2645. Use the same numbered receiver insert

receiver insert assembly into a Model 770 action. olt closed measure safety on and off forces. Take 3 nts and record each one.

afety on and off 50 times and then record forces again. afety on and off 50 more times and then record forces again. corientation of the safety pivot pin and insert it from the right

ety on off forces with the pivot pin in this orientation. Take 3 nts of each one.

on 6 assemblies.

f these receiver inserts and run it up to 3000 cycles on the dry

e safety on/off forces after every 500 eyeles. ar lift after 3000 cycles.

eps are to be performed on a current receiver insert assembly r current receiver insert assembly into a Model 770 action. olt closed measure safety on and off forces. Take 3 nts and record each one.

afety on and off 50 times and then record forces again. afety on and off 50 more times and then record forces again. on 5 assemblies.

if the new trigger block receiver inserts

TLW Form

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RE 0005738

Test Lab Work Request Form	 14. Cycle the safety on and off 50 times and then record forces again. 15. Cycle the safety on and off 50 more times and then record forces again. 16. Repeat this on 5 assemblies. 17. Take one of the new trigger block receiver inserts

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safety on and off 50 times and then record forces again. safety on and off 50 more times and then record forces again. son 5 assemblies.

f the new trigger block receiver inserts

Test Lab Work Request Form

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	 15. Cycle the safety on and off 50 more times and then record forces ag. 16. Repeat this on 5 assemblies. 17. Take one of the new trigger block receiver inserts
Test Lab Work Request Form	
Special Requirements:	
Supplies Availability:	
Results Required:	
******This section to be completed by Test Lab Manager****	
Assigned To:	Kratzwald, Jeff Start Date:
Assigned Date:	12/11/2008 Completion Date:
Comments:	

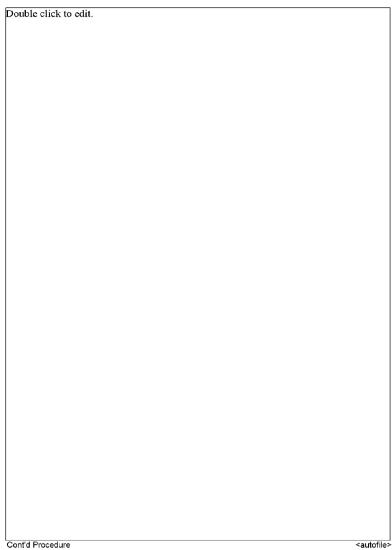
BARBER - RE 0005741

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afety on and off 50 more times and then record forces again. on 5 assemblies. f the new trigger block receiver inserts	
	Test Lab Work Request Form
	Data Only Formal Report
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Test Lab Work Request Form



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equest Form

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Cont'd Procedure

re			

Note: Testing began with safety pivot pin having clip on left side.

Note: Testing began with safety prot pin having clip of fert	nuc.							
Zero round level.			50 round level.	9 118 11		100 round level.		
	Off	On		Off	On		Off	On
1	4.12	7.36	1	3.82	7.50	1	3.82	7.70
2	3.78	7.14	2	3.90	7.48	2	4.00	8.20
3	3.86	7.24	3	3.88	8.30	3	4.12	9.20
avg	3.92	7.25	avg	3.87	7.76	avg	3.98	8.37
Reverse orientation of safety pivot pin.								
Transport of the second	Off	On						
1	3.66							
2	3.80							
3	3.78							
avg	3.75							
avg	0.10	0. 1 1						
500 round level.	20 - 10 17411 213 22 23 23 23 24 24 14 14 25 25 25 25 25 25 25 25 25 25 25 25 25		1000 round level.			1500 round level		
500 round level	Off		1000 round level.	Off	On	1500 round level	Off	On
500 round level	Off 3.46	On	1000 round level.		On 7.72		Off 4.50	
		On 7.20		4.08		осковно селение чени посто со со селени със се		6.98
Подавания и почения в выполнением от ответствення общения в почения в почения общения в почения	3.46	On 7.20 7.18	1	4.08 4.34	7.72	1 2	4.50	6.98 6.74
Подавительного провод под под под под под под под под под п	3.46 3.48	On 7.20 7.18 7.16	1 2	4.08 4.34 3.92	7. 7 2 7.56	1 2 3	4.50 4.22	6.98 6.74 6.58
The second control of the control of	3.46 3.48 3.18	On 7.20 7.18 7.16 7.18	1 2 3 avg	4.08 4.34 3.92	7.72 7.56 7.46 7.58	1 2 3	4.50 4.22 4.46 4 .39	6.98 6.74 6.58 6.77
1 2 3 avg	3.46 3.48 3.18	On 7.20 7.18 7.16 7.18	1 2 3 avg	4.08 4.34 3.92 4.11	7.72 7.56 7.46 7.58	1 2 3 avg	4.50 4.22 4.46 4 .39	6.98 6.74 6.58 6.77
1 2 3 avg	3.46 3.48 3.18 3.37	On 7.20 7.18 7.16 7.18	1 2 3 avg	4.08 4.34 3.92 4.11 Off	7.72 7.56 7.46 7.58	1 2 3 avg	4.50 4.22 4.46 4 .39	6.98 6.74 6.58 6.77
1 2 3 avg	3.46 3.48 3.18 3.37	On 7.20 7.18 7.16 7.18 On 7.66	1 2 3 avg 2500 round level.	4.08 4.34 3.92 4.11 Off 4.73	7.72 7.56 7.46 7.58 On	1 2 3 avg 3000 round level.	4.50 4.22 4.46 4.39	6.98 6.74 6.58 6.77 On 7.18
1 2 3 avg	3.46 3.48 3.18 3.37 Off 5.10	On 7.20 7.18 7.16 7.18 On 7.66 8.60	1 2 3 avg 2500 round level.	4.08 4.34 3.92 4.11 Off 4.73 4.54	7.72 7.56 7.46 7.58 On 7.72	1 2 3 avg \$3000 round level.	4.50 4.22 4.46 4.39 Off 4.26	6.98 6.74 6.58 6.77 On 7.18 7.46
1 2 3 avg 2000 round level.	3.46 3.48 3.18 3.37 Off 5.10 4.82	On 7.20 7.18 7.16 7.18 On 7.66 8.60 7.94	1 2 3 avg 2500 round level.	4.08 4.34 3.92 4.11 Off 4.73 4.54	7.72 7.56 7.46 7.58 On 7.72 7.13 7.02	1 2 3 avg 3000 round level.	4.50 4.22 4.46 4.39 Off 4.26 4.06	6.98 6.74 6.58 6.77 On 7.18 7.46 6.50

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En	P (120	ntri	ol #	21.00	9191	STANTS:	***				1111	District.	2121	asm:	M***	1100			***	4440	SERVICE D	ă.
16000	10000	of the last	deficiello.	COLUMN T	1.01:000	eren.	91888191	205.00		ORRES		t t 591	::::::::::::::::::::::::::::::::::::::	80181	death.	10000	5000018			BRS	889861	0200022	a

Note: Testing began with safety pivot pin having clip on left sid	le							
Zero round level.			50 round level.			100 round level.		
	Off	On		Off	On		Off	On
1	3.78	6.48	1	4.18	7.92	1	4.56	10.76
2	3.56	6.82	2	4.28	8.62	2	4.52	12.84
3	3.82	7.60	3	4.24	9.40	3	4.18	12.82
avg	3.72	6.97	avg	4.23	8.65	avg	4.42	12.14
				1800				
Reverse orientation of safety pivot pin.								
	Off	On						
1	4.16	10.70						
2	4.22	10.12						
3	4.20	11.32						
avg	4.19	10.71						
500 round level	31 (MARA) 12 (32 (7) (1)		1000 round level			1500 round level		
	Off	On		Off	On		Off	On
1		7.20	1	6.68		1	5.96	7.68
2	6.60		2	6.84		2	5.82	7.84
3	5.44	7.60	3	7.12	8.64	3	6.08	7.76
avg	5.80	7.48	avg	6.88	8.45	avg	5.95	7.76
2000 round level.	(10mm) bit (2000)		2500 round level.			3000 round level.	O O O O O	
	Off	On		Off	On		Off	On
1	6.36	10.76			10.02			10.34
2	6.36 5.46	10.76 9.80	2	6.68	10.56	2	5.80	9.72
	6.36	10.76 9.80 9.08		6.68 7.12		2 3	5.80 6.56	

Fire Control #3

Note: Testing began with safety pivot pin having clip on right side

avg

Zero round level.				50 round level.			100 round level.	10 10 10 10	
		Off	On		Off	On		Off	On
	1	4.20		1		6.18	1		6.64
	2	4.34		2		7.48			6.92
	3	4.76	6.04	3	3.84	6.62	3	3.14	8.58
	avg	4.43	5.98	avg	3.98	6.76	avg	3.98	7.38
Reverse orientation of safety	pivot pin,								
		Off	On						
	1	4.26	6.50						
	2	3.93	6.78						
	3	4.32	6.84						
	avg	4.17	6.71						
	- 1995 113 CCCC 28 HEM (1875 230 250 15 1994 1717 550 77 1984 18				500000000000000000000000000000000000000	ŧ		22/01/1/01/01	
500 round level				1000 round level		and a second	1500 round level		
500 round level		Off		1000 round level	Off	On	1500 round level	Off	On
500 round level	1	5.66	On 7.00	1000 round level	5.78	7.02	1	4.88	7.12
500 round level	2	5.66 4.66	On 7.00 6.94	1 2	5.78 6.68	7.02 7.94	1 2	4.88 6.44	7.12 7.54
500 round level		5.66 4.66 6.26	On 7.00 6.94 7.94	1 2 3	5.78 6.68 7.66	7.02 7.94 8.10	1 2 3	4.88 6.44 6.14	7.12 7.54 7.32
500 round level	2	5.66 4.66	On 7.00 6.94 7.94	1 2	5.78 6.68 7.66	7.02 7.94	1 2	4.88 6.44 6.14	7.12 7.54
500 round level	2 3	5.66 4.66 6.26	On 7.00 6.94 7.94 7.29	1 2 3	5.78 6.68 7.66	7.02 7.94 8.10 7.69	1 2 3	4.88 6.44 6.14 5.82	7.12 7.54 7.32 7.33
Transactive to the transactive event for the reserve to the control of the contro	2 3	5.66 4.66 6.26	On 7.00 6.94 7.94 7.29	1 2 3 avg	5.78 6.68 7.66 6.71	7.02 7.94 8.10 7.69	1 2 3 avg	4.88 6.44 6.14 5.82	7.12 7.54 7.32 7.33
Transactive to the transactive event for the reserve to the control of the contro	2 3	5.66 4.66 6.26 5.53	On 7.00 6.94 7.94 7.29	1 2 3 avg	5.78 6.68 7.66 6.71 Off	7.02 7.94 8.10 7.69	1 2 3 avg	4.88 6.44 6.14 5.82	7.12 7.54 7.32 7.33
Transactive to the transactive event for the reserve to the control of the contro	2 3 avg	5.66 4.66 6.26 5.53 Off	On 7.00 6.94 7.94 7.29 On 7.24	1 2 3 avg 2500 round level	5.78 6.68 7.66 6.71 Off 6.80	7.02 7.94 8.10 7.69	1 2 3 avg 3000 round level	4.88 6.44 6.14 5.82 Off 5.80	7.12 7.54 7.32 7.33 On

6.25 7.07

6.44 7.61

6.29 7.41

Fire Control # 4

Note: Testing began with safety pivot pin having clip on right side.

Zero round level. 100 round level. 100 round level.		
Off On Off On O	f	On
		9.38
		10.24
	2 1	10.78
avg 3.77 6.79 avg 4.07 7.03 avg 3.9	2 1	10.13
Reverse orientation of safety pivot pin		
Off On		
1 3.14 7.28		
2 3.08 7.58		
3 3,58 7,56		
avg 3.27 7.47		
9		
	150000	
500 round level. 1500 round level. 1500 round level.		
Off On Off On O	f	On
		7.82
		7.36
		7.58
avg 6.31 8.77 avg 5.71 7.98 avg 5.	4	7.59
	SACTOR A	
2000 round level. 2500 round level. 3000 round level.		
Off On Off On O	f	On
		8.82
1 570 7 02 1 616 7 54 1 51		
2 5.96 7.06 2 6.10 7.46 2 5.4	8	8.10 8.50

Fire Control #5
Note: Testing began with safety pivot pin having clip on right side.

Zero round level.			50 round lev	el		100 round leve	il	NAME OF THE PARTY					
	Off	On		Off	On		Off	On					
1	3.98	7.44	1	3.92	7.78	1	4.08	8.08					
2	3.76	7.02	2	3.88	7.96	2	3.76	8.26					
3	3.76	7.16	3	3.82	7.70	3	3.78	8.38					
avg	3.83	7.21	avg	3.87	7.81	avg	3.87	8.24					
Reverse orientation of safety pivot pin.	Reverse orientation of safety pivot pin												
	Off	On											
1	4.06	7.80											
2	3.72	8.14											
3	4.02	8.08											
avg	3.93	8.01											

Fire Control #6
Note: Testing began with safety pivot pin having clip on right side.

Zero round level.		50 round leve	xI		100 round level		
Off	On		Off	On		Off	On
1 3.62	7.58	3 1	4.04	10.48	1	4.32	11.42
2 3.46	7.30) 2	3.98	10.30	2	4.20	10.20
3 3.94	7.44	3	3.88	10.14	3	4.16	9.42
avg 3.67	7.44	avg	3.97	10.31	avg	4.23	10.35

	Off On
1	4.44 9.98
2	4.18 9.42
3	4.00 9.58
vg	4.21 9.66

A Zero round level.			50 round level.		100 round level		
				90000			
	Off	On	Of			Off	On
1	1.82	4.02	1 2.2			2.34	3.94
2	2.06	4.52	2 2.2			2.34	4.08
3	1.86	4.02	3 1.8		=	2.14	4.22
avg	1.91	4.19	avg 2.1	1 3.93	avg	2.27	4.08
В							
Zero round level.			50 round level.		100 round level.	50 S	
		_					_
1	Of f 1.80	On 4.82	Of 1 1.7		1	Off 2.52	On 4.28
2	1.70	4.02	2 2.19			2.34	4.20
3	1.76	4.02	3 2.1			2.24	4.16
avg	1.75		avg 2.0			2.37	
_					9		
C							
Zero round level.			50 round level.		100 round level.	i i i i i i	
	Off	On	Of	f On		Off	On
1	2.48	4.68	1 2.2		1	2.10	4.80
2	2.10	4.62	2 1.7			1.86	4.66
3	1.88	4.72	3 1.7	4 4.64		1.86	4.86
avg	2.15	4.67	avg 1.9	0 4.57	avg	1.94	4.77
_							
D	SANGAN GHE BER		-	5556			
Zero round level.			50 round level.		100 round level		
	Off	On	Of	f On		Off	On
1	1.48	4.10	1 1.7	3 4.16	1	1.76	4.36
2	1.70	3.92	2 1.7	4 3.96	2	1.74	4.10
3	1.48	3.72	3 1.6	6 4.30	3	1.68	4.52
avg	1.55	3.91	avg 1.7	0 4.14	avg	1.73	4.33
Zero round level.			50 round level.	0600	100 round level.	(11/ 02 00/00/01/	
Zero round reven			ou round to ten		100 100110 10001		
	Off	On	Of			Off	On
1	1.52	4.10	1 1.6			1.72	4.42
2	1.70	4.30	2 1.4			1.76	4.48
3	1.58	4.10	3 1.5			1.70	4.50
avg	1.60	4.17	avg 1.5	3 4.04	avg	1.73	4.47