# **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 0002368** 

- 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 Norton	Project #: 241493	
Date Submitted	<b>d</b> : 12/10/2008		
Test Description	Assemble new receiver insert assemblies in a Model 770 action and measure safety on/off forces	a	
Test Procedure	1. Continassem 2. Asserr 3. With the measur 4. Cycle 5. Cycle 6. Reverside. 7. Record measur 8. Repea 9. Take of cycle f 10. Measur 11. Measur 11. Measur 12. Asserr 13. With the measur 14. Cycle 15. Cycle 16. Repea	nue test from TLW-2645. Use blies for this test. the a receiver insert assembly the bolt closed measure safety or rements and record each one, the safety on and off 50 times the safety on and off 50 more the safety on off forces with the prements of each one, this on 6 assemblies, one of these receiver inserts and fixture. The safety on/off forces after a sear lift after 3000 cycles, and steps are to be performed on the acurrent receiver insert as the bolt closed measure safety or rements and record each one, the safety on and off 50 times the safety on and off 50 more to this on 5 assemblies.	and then record forces again. Image: Take 3 and then record forces again. Image: Take 3 and then record forces again. Image: Take 3 and then record forces again. It is an a current receiver insert assets and off forces. Take 3 and then record forces again. Image: Take 3 and then record forces again. Image: Take 3 and then record forces again. Image: Take 3 and then record forces again.
TLW Form <aur< th=""><th>utofile&gt;</th><th></th><th>Page 2 of 17</th></aur<>	utofile>		Page 2 of 17

### **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. alt 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 0002370** 

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

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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.

f the new trigger block receiver inserts

Test Lab Work Request Form

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TLW Form

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	<ul><li>15. Cycle the safety on and off 50 more times and then record forces ago</li><li>16. Repeat this on 5 assemblies.</li><li>17. Take one of the new trigger block receiver inserts</li></ul>
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:	

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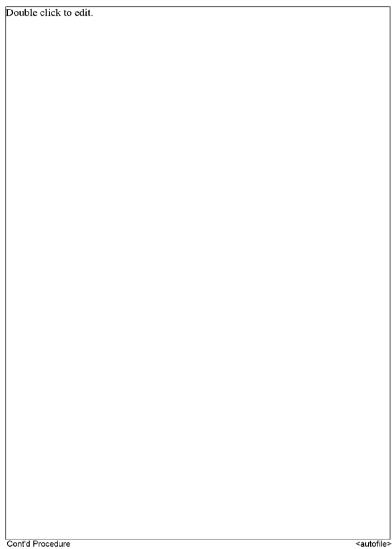
safety on and off 50 more times and then record forces again. Fon 5 assemblies.

f the new trigger block receiver inserts

Data Only Formal Report **BARBER - RE 0002374** 

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# **Test Lab Work Request Form**



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RE0002348

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Camera								
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_2 1000W								
_3 8-Bulb PAL								
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⊂ Canon 20D

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		tro		

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

Note: Testing began with safety prot pin having clip of he	it side.							
Zero round level.			50 round level.	9 110 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.								
	Off	On						
1	3.66	7.76						
2	3.80	7.84						
3	3.78	8.74						
avg	3.75	8.11						
500 round level.	Programme and the second secon		1000 round level			1500 round level		
500 round level.	Off		1000 round level	Off	On	1500 round level	Off	On
	Off 3.46	On	1		On 7.72	<b>1500</b> round level	4.50	6.98
то при		On 7.20	1 2	4.08		1 2		6.98
	3.46 3.48 3.18	On 7.20 7.18 7.16	1	4.08 4.34 3.92	7.72 7.56 7.46	1	4.50 4.22 4.46	6.98 6.74 6.58
то при	3.46 3.48	On 7.20 7.18 7.16	1 2	4.08 4.34 3.92	7. <b>7</b> 2 7.56	1 2	4.50 4.22	6.98 6.74 6.58
1 2 3	3.46 3.48 3.18	On 7.20 7.18 7.16 7.18	1 2 3	4.08 4.34 3.92	7.72 7.56 7.46	1 2 3	4.50 4.22 4.46 <b>4</b> .39	6.98 6.74 6.58
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 <b>4.11</b>	7.72 7.56 7.46	1 2 3 avg	4.50 4.22 4.46 <b>4</b> .39	6.98 6.74 6.58 <b>6.77</b>
1 2 3 avg  2000 round level.	3.46 3.48 3.18 3.37 Off 5.10	On 7.20 7.18 7.16 7.18 On 7.66	1 2 3 avg	4.08 4.34 3.92 <b>4.11</b> Off 4.73	7.72 7.56 7.46 7.58 On 7.72	1 2 3 avg	4.50 4.22 4.46 4.39 Off 4.26	6.98 6.74 6.58 6.77 On 7.18
1 2 3 avg 2000 round level.	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 <b>4.11</b> Off 4.73	7.72 7.56 7.46 7.58 On	1 2 3 avg 3000 round level 1 2	4.50 4.22 4.46 4.39	6.98 6.74 6.58 6.77 On 7.18
1 2 3 avg  2000 round level.	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 <b>2500</b> round level	4.08 4.34 3.92 <b>4.11</b> Off 4.73 4.54	7.72 7.56 7.46 7.58 On 7.72	1 2 3 avg <b>3000</b> round level.	4.50 4.22 4.46 4.39 Off 4.26	6.98 6.74 6.58 <b>6.77</b> On 7.18 7.46 6.50

x (*)		

	n having clip on left side						
Zero round level.			50 round level,	2 (112 2 (112 2 (112)		100 round level.	
	Off	On	C	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
Reverse orientation of safety pivot pi	n,						
	Off	<b>~</b>					
1	4.16	On					
2	4.22						
3	4.20						
avg	4.19						
500 round level			1000 round level			1500 round level	
	Off	On	c	Off	On	Off	On
						1 5.96	
1	5.36	7.20	1 6.	.68 8	.32	1 5.96	7.68
1 2	5.36 6.60						7.68 7.84
	6.60		2 6.	.68 8	.38	2 5.82	
2	6.60	7.64 7.60	2 6. 3 7.	.68 8 .84 8	.38 .64	2 5.82 3 6.08	7.84
2 3	6.60 5.44	7.64 7.60 <b>7.48</b>	2 6. 3 7. avg 6.	.68 8 .84 8 .12 8	.38 .64	2 5.82 3 6.08	7.84 7.76
2 3 avg 2000 round levet.	6.60 5.44 5.80 Off	7.64 7.60 <b>7.48</b> On	2 6. 3 7. avg 6. 2500 round level.	.68 8 .84 8 .12 8 .88 8	.38 .64 . <b>45</b> On	2 5.82 3 6.08 avg 5.95 \$600 round level.	7.84 7.76 7.76 On
2 3 avg 2000 round level.	6.60 5.44 <b>5.80</b> Off 6.36	7.64 7.60 <b>7.48</b> On 10.76	2 6. 3 7. avg 6. 2500 round level. C 1 6.	.68 8 .84 8 .12 8 .88 8	.38 .64 . <b>45</b> On 0.02	2 5.82 3 6.08 avg 5.95 3000 round Jevel. Off 1 6.84	7.84 7.76 7.76 On 10.34
2 3 avg  2000 round level.	6.60 5.44 5.80 Off 6.36 5.46	7.64 7.60 7.48 On 10.76 9.80	2 6. 3 7. avg 6. 2500 round level. 6 6 2 6.	.68 8 .84 8 .12 8 .88 8 .68 1 .68 1	.38 .64 . <b>45</b> On 0.02 0.56	2 5.82 3 6.08 avg 5.95 3000 round level. 0ff 1 6.84 2 5.80	7.84 7.76 7.76 On 10.34 9.72
2 3 avg 2000 round level.	6.60 5.44 <b>5.80</b> Off 6.36	7.64 7.60 <b>7.48</b> On 10.76 9.80 9.08	2 6. 3 7. avg 6. 2500 round level. C 6. 2 6. 3 7. 3	.68 8 .84 8 .12 8 .88 8	0.38 0.64 0.45 0.02 0.56 0.80	2 5.82 3 6.08 avg 5.95 3000 round level. Off 1 6.84 2 5.80 3 6.56	7.84 7.76 7.76 On 10.34

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

Note: Testing began with safety pivot pin having clip on right side							
Zero round level.			50 round level.	111111		100 round level.	Ē
	Off	On		Off	On	Off	On
1	4.20	6.06	1	4.20	6.18	1 4.32	6.64
2	4.34	5.84	2	3.90	7.48		6.92
3	4.76	6.04		3.84	6.62		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						
2	3.93						
3	4.32						
avg	4.17						
500 round level			1000 round level.			1500 round level	
	Off	On		Off	On	Off	On
1	5.66	7.00	1	5.78	7.02	1 4.88	7.12
2	4.66	6.94	2	6.68	7.94	2 6.44	7.54
3	6.26	7.94	3	7.66	8.10	3 6.14	7.32
avg	5.53	7.29	avg	6.71	7.69	avg 5.82	7.33
2000 round level.			2500 round level.			3000 round level.	8
	Off	On		Off	On	Off	On
1	Off 5.94			Off	<b>On</b> 7.88		<b>O</b> n ) 7.42
1 2		7.24	1	<b>Off</b> 6.80		1 5.80	
	5.94	7.24 6.84	1 2	<b>Off</b> 6.80 6.08	7.88	1 5.80 2 6.34	7.42

Fire Control # 4

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

tractor fracting august that asket, privat privately only arrival								
Zero round level.	Section 1		50 round level.			100 round level.		
	Off	On		Off	On	C	Off	On
1	3.72	6.38	1	3.92	6.76	1 4.	.16	9.38
2	3.66	6.86	2	4.50	7.10	2 3.	.78	10.24
3	3.92	7.14	3	3.80	7.23	3 3.	.82	10.78
avg	3.77	6.79	avg	4.07	7.03	avg 3.	.92	10.13
Reverse orientation of safety pivot pin.								
		_						
4		On						
1		7.28						
2 3		7.58						
	3.58 <b>3.27</b>							
avg	3.27	1.41						
, and the second								
500 round level		18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1000 round level	H B ( 1.1.15)		1500 round level		
		On		Off		C	Off	On
500 round level	6.08	On 8.56	1	5.22	7.88	1 6.	.00	7.82
500 round level.  1 2	6.08 6.14	On 8.56 8.78	1 2	5.22 5.70	7.88 8.20	1 6. 2 5.	.00 .52	7.82 7.36
500 round level	6.08 6.14 6.70	On 8.56 8.78 8.98	1 2 3	5.22 5.70 6.20	7.88 8.20 7.86	1 6. 2 5. 3 6.	.00 .52 .30	7.82 7.36 7.58
500 round level.  1 2	6.08 6.14 6.70	On 8.56 8.78	1 2 3	5.22 5.70 6.20	7.88 8.20	1 6. 2 5. 3 6.	.00 .52 .30	7.82 7.36
500 round level 1 2 3	6.08 6.14 6.70	On 8.56 8.78 8.98 <b>8.77</b>	1 2 3 avg	5.22 5.70 6.20	7.88 8.20 7.86 <b>7.98</b>	1 6 2 5. 3 6. avg 5.	.00 .52 .30	7.82 7.36 7.58
500 round level 1 2 3 avg	6.08 6.14 6.70 <b>6.31</b> Off	On 8.56 8.78 8.98 8.77	1 2 3 avg 2500 round level.	5.22 5.70 6.20 5.71 Off	7.88 8.20 7.86 7.98	1 6. 2 5. 3 6. avg 5.	.00 .52 .30 .94	7.82 7.36 7.58 <b>7.59</b> On
500 round level 1 2 3 avg	6.08 6.14 6.70 <b>6.31</b> Off	On 8.56 8.78 8.98 <b>8.77</b>	1 2 3 avg 2500 round level.	5.22 5.70 6.20 5.71 Off	7.88 8.20 7.86 <b>7.98</b>	1 6. 2 5. 3 6. avg 5.	.00 .52 .30 .94	7.82 7.36 7.58 <b>7.59</b>
500 round level  1 2 3 avg	6.08 6.14 6.70 <b>6.31</b> Off 5.70	On 8.56 8.78 8.98 8.77	1 2 3 avg 2500 round level:	5.22 5.70 6.20 <b>5.71</b> Off 6.16	7.88 8.20 7.86 7.98	1 6 2 5. 3 6. avg 5. 3000 round level. 1 5 2 5.	.00 .52 .30 .94 Off	7.82 7.36 7.58 <b>7.59</b> On
500 round level  1 2 3 avg	6.08 6.14 6.70 6.31 Off 5.70 5.96 5.44	On 8.56 8.78 8.98 8.77 On 7.02	1 2 3 avg 2500 round level.	5.22 5.70 6.20 5.71 Off 6.16 6.10 6.08	7.88 8.20 7.86 7.98 On 7.54	3000 round level.	.00 .52 .30 .94 Off .78 .48	7.82 7.36 7.58 <b>7.59</b> On 8.82

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

Zero round level.			50 round level.		100 round level.							
o	ff	On	Off	On	Off	On						
1 3.	98	7.44	1 3.92	7.78	3 1 4.08	8.08						
2 3.	76	7.02	2 3.88	7.96	3.76	8.26						
3.	76	7.16	3 3.82	7.70	3 3.78	8.38						
avg 3.	83	7.21	avg 3.87	7.81	l avg 3.87	8.24						
Reverse orientation of safety pivot pin.												
	)ff	On 7.80										
		8.14										
		8.08										
		8.01										

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

Zero round level.			50 round level.		100 round level.			
	Off	On		Off	On		Off	On
1	3.62	7.58	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
Reverse orientation of safety pivot pin.								
	Off	On						
1	4.44	9.98						
2	4.18	9.42						
3	4.00	9.58						
avg	4.21	9.66						