

# Test Lab Work Request Form

<b>Date Submitted:</b> 10 March, 2000	<b>Tracking #:</b> TLW 0010AI
<b>Project #:</b> 241095	<b>Engineer:</b> J.R.SNEDEKER
<b>Test Objective:</b> <b>TLW0010AI – Cold Function Test:</b> <p>This test evaluates the effect of extreme low temperatures on the functioning performance of the firearms. Shoot the firearm from inside the environmental test cabinet in the long range.</p>	
<b>Test Description:</b> <u>Method:</u> <ul style="list-style-type: none"> <li>• Condition the firearm and 100 rounds of ammunition of climatic chamber for at least 6 hours at a temperature of -20 degrees F.</li> <li>• Test each firearm within the chamber as follows:</li> <li>• Fire 20 rounds of ammunition. Wait 2 hours and repeat until all 100 rounds have been fired.</li> <li>• Do not perform maintenance during the 100 round cycle.</li> <li>• Cycle the safety from fire to safe every 5 rounds.</li> <li>• After 100 rounds have been fired through the firearm, remove the firearm from the conditioning chamber, disassemble, thoroughly inspect, clean and lubricate.</li> </ul> <u>Data Required:</u> <ul style="list-style-type: none"> <li>• Record temperature and exposure times</li> <li>• Record all malfunctions</li> <li>• Record damage noted during inspection</li> <li>• Record all necessary maintenance actions performed</li> </ul>	
<b>Resource Usage:</b> <b>Manpower Requirements -</b>  <b>Facility Requirements -</b>	<b>Test Results Required:</b> <b>Formal Report:</b> <b>Data Only: X</b> <b>REQUESTED Completion Date:</b>
<b>Required Materials/Parts/Equipment (include quantities):</b>	
<b>Test Parts Availability Date:</b>	
<b>Start Date:</b> 9/14/00 <b>Completion Date:</b> 9/14/00 <b>Report Date:</b>	<b>Test Assigned To:</b> STEVE WADE & JEFF WADE

ET07177

SN:71001322  
DATE-9/14/00  
SHOOTER-SW JW

710 COLD FUNCTION TEST GUN # B 21

TRACKING # TLW 0010AI  
PROJECT # 241095

MMO REMINGTON 30.06 180 GRAIN R30064				LOT # C03 SC1326			
MALFUNCTIONS				MALFUNCTIONS			
1	1	MISFIRE		51	1		
2	2			52	2		
3	3			53	3		
4	4			54	4		
5	5	CYCLED SAFETY		55	5	CYCLED SAFETY	
6	6			56	6		
7	7			57	7		
8	8			58	8		
9	9			59	9		
10	10	CYCLED SAFETY		60	10	FIRE 20 ROUNDS AT -20 DEGREE F.	
11	1			61	1		
12	2			62	2		
13	3			63	3		
14	4			64	4		
15	5	CYCLED SAFETY		65	5	CYCLED SAFETY	
16	6			66	6		
17	7			67	7		
18	8			68	8		
19	9			69	9		
20	10	FIRE 20 ROUNDS AT -20 DEGREE F.		70	10	CYCLED SAFETY	
21	1			71	1		
22	2			72	2		
23	3	BOLT WOULD NOT CLOSE		73	3		
24	4			74	4		
25	5	CYCLED SAFETY		75	5	CYCLED SAFETY	
26	6			76	6		
27	7			77	7		
28	8			78	8		
29	9			79	9		
30	10	CYCLED SAFETY		80	10	FIRE 20 ROUNDS AT -20 DEGREE F.	
31	1			81	1		
32	2			82	2		
33	3			83	3		
34	4			84	4		
35	5	CYCLED SAFETY		85	5	CYCLED SAFETY	
36	6			86	6		
37	7			87	7		
38	8			88	8		
39	9			89	9	BOLT WOULD NOT CLOSE (ROTATE RD CLOSED)	
40	10	FIRE 20 ROUNDS AT -20 DEGREE F.		90	10	CYCLED SAFETY	
41	1			91	1		
42	2			92	2		
43	3			93	3		
44	4			94	4		
45	5	CYCLED SAFETY		95	5	CYCLED SAFETY	
46	6			96	6		
47	7			97	7		
48	8			98	8		
49	9			99	9		
50	10	CYCLED SAFETY		100	10	FIRE 20 ROUNDS AT -20 DEGREE F.	

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710 COLD FUNCTION TEST GUN # B 21

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NOTE: PLACE GUN B 21 AND 100 ROUND OF AMMO IN FREEZER FOR 15 HOURS AT -20 DEGREE F.			
	TOOK GUN B 21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	PUT GUN B-21 BACK IN FREEZER FOR 2 HOURS.		
	AFTER 2 HOURS TOOK GUN B-21 AND 20 ROUNDS OF AMMO OUT OF FREEZER TO BLOW-UP ROOM AND SHOT 20 ROUNDS WITH LANYARD.		
	CLEANED AND INSPECTED GUN. ( OK )		83

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