

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 03/09/04		Tracking # : TLW 1430	
Project # : 241314		Engineer: FRANZ	
Test Objective: Initial Testing of 710 Magnum in 7mm Rem Mag			
Test Description: Using 10 test guns supplied by Mayfield, perform the following test. 1. Measure Trigger/Sear Engagement (spec- .025-.030") 2. Measure Trigger Pull with Trigger Scan (spec- 4.5-5.5lbs.) 3. Chamber Cast and measure casting on 3 guns. 4. Assemble stock to action, torque front take-down screw to 75 in. lbs., torque other screws to factory spec. 5. Mark front take-down screw position to indicate any movement of the screw. 6. Measure Headspace 7. Fire one Proof round 8. Measure Headspace 9. Perform Jack Function test with 150 rds. per gun from ammo in stock. (record all malfunctions and issues with the guns)			
Resource Usage: Manpower Requirements - Facility Requirements -		Test Results Required: Formal Report: Data Only: Requested Completion Date:	
Required Materials/Parts/Equipment (include quantities):			
Test Parts Availability Date:			
Start Date: 3/10/04 Completion Date: 3/16/04 Report Date: 3/16/04		Test Assigned To: Steve Wade Assignment Date: 03/09/04	

ET33917

PROJECT # 241314
ENG SCOTT FRANZ

MODEL 710 PRE T P 7MM REM MAG

TLW 1430
3/30/2004

150 ROUNDS FIRED	HEADSPACE BEFORE PROOF	GO GAUGE YES OR NO	PROOF ROUND	HEADSPACE AFTER PROOF	GO GAUGE YES OR NO	GO GAUGE WENT AT ROUND LEVEL
GUN # 1	MIN + .002	NO	YES	MIN + .002	NO	WILL NOT GO
SERIAL # 71154454						
GUN # 2	MIN + .002	YES	YES	MIN + .002	YES	0 ROUNDS
SERIAL # 71154232						
GUN # 3	MIN + .002	NO	YES	MIN + .003	NO	20 ROUNDS
SERIAL # 71154462						
GUN # 4	MIN + .002	NO	YES	MIN + .002	NO	60 ROUNDS
SERIAL # 71154235						
GUN # 5	MIN + .003	NO	YES	MIN + .003	NO	40 ROUNDS
SERIAL # 71154461						
GUN # 6	MIN + .003	NO	YES	MIN + .003	NO	WILL NOT GO
SERIAL # 71154448						
GUN # 7	MIN + .002	YES	YES	MIN + .002	YES	0 ROUNDS
SERIAL # 71154231						
GUN # 8	MIN + .002	NO	YES	MIN + .002	NO	WILL NOT GO
SERIAL # 71154449						
GUN # 9	MIN + .002	NO	YES	MIN + .003	NO	120 ROUNDS
SERIAL # 71154450						
GUN # 10	MIN + .003	YES	YES	MIN + .003	YES	0 ROUNDS
SERIAL # 71154447						

ET33918

PROJECT # 241314
ENG SCOTT FRANZ

MODEL 710 PRE T P 7MM REM MAG

TLW 1430
3/30/2004

ENGAGEMENT OUT OF BOX					SET ENGAGEMENT TO SPEC				
GUN # 1	1	2	3	AVG	GUN # 1	1	2	3	AVG
SERIAL #	0.0324	0.0323	0.0323	0.0323	SERIAL #	OK	OK	OK	OK
71154454					71154454				
GUN # 2	1	2	3	AVG	GUN # 2	1	2	3	AVG
SERIAL #	0.0234	0.0232	0.0322	0.0323	SERIAL #	OK	OK	OK	OK
71154232					71154232				
GUN # 3	1	2	3	AVG	GUN # 3	1	2	3	AVG
SERIAL #	0.0334	0.0335	0.0338	0.0335	SERIAL #	OK	OK	OK	OK
71154462					71154462				
GUN # 4	1	2	3	AVG	GUN # 4	1	2	3	AVG
SERIAL #	0.0336	0.0336	0.0336	0.0336	SERIAL #	OK	OK	OK	OK
71154235					71154235				
GUN # 5	1	2	3	AVG	GUN # 5	1	2	3	AVG
SERIAL #	0.0315	0.0318	0.0314	0.0315	SERIAL #	OK	OK	OK	OK
71154461					71154461				
GUN # 6	1	2	3	AVG	GUN # 6	1	2	3	AVG
SERIAL #	0.310	0.308	0.312	0.3100	SERIAL #	OK	OK	OK	OK
71154448					71154448				
GUN # 7	1	2	3	AVG	GUN # 7	1	2	3	AVG
SERIAL #	0.327	0.328	0.329	0.0280	SERIAL #	OK	OK	OK	OK
71154231					71154231				
GUN # 8	1	2	3	AVG	GUN # 8	1	2	3	AVG
SERIAL #	0.321	0.321	0.321	0.3210	SERIAL #	OK	OK	OK	OK
71154449					71154449				
GUN # 9	1	2	3	AVG	GUN # 9	1	2	3	AVG
SERIAL #	0.332	0.335	0.336	0.3343	SERIAL #	OK	OK	OK	OK
71154450					71154450				
GUN # 10	1	2	3	AVG	GUN # 10	1	2	3	AVG
SERIAL #	0.354	0.354	0.355	0.3543	SERIAL #	OK	OK	OK	OK
71154447					71154447				

ET33919

PROJECT # 241314
ENG SCOTT FRANZ

MODEL 710 PRE T P 7MM REM MAG

TLW 1430
3/30/2004

TRIGGER PULL OUT OF BOX						
GUN # 1	1	2	3	4	5	AVG
SERIAL #	4.668	4.721	4.720	4.715	4.769	4.719
71154454						
GUN # 2	1	2	3	4	5	AVG
SERIAL #	5.226	5.261	5.341	5.166	5.439	5.287
71154232						
GUN # 3	1	2	3	4	5	AVG
SERIAL #	4.957	4.957	4.929	5.112	4.960	4.983
71154462						
GUN # 4	1	2	3	4	5	AVG
SERIAL #	5.228	5.072	5.134	4.932	5.131	5.099
71154235						
GUN # 5	1	2	3	4	5	AVG
SERIAL #	4.570	4.577	4.644	4.565	4.613	4.594
71154461						
GUN # 6	1	2	3	4	5	AVG
SERIAL #	3.926	3.925	3.901	3.964	3.946	3.932
71154448						
GUN # 7	1	2	3	4	5	AVG
SERIAL #	5.009	5.032	4.985	5.075	5.029	5.026
71154231						
GUN # 8	1	2	3	4	5	AVG
SERIAL #	5.024	5.141	5.069	5.088	5.031	5.071
71154449						
GUN # 9	1	2	3	4	5	AVG
SERIAL #	5.014	4.909	4.810	4.923	4.866	4.904
71154450						
GUN # 10	1	2	3	4	5	AVG
SERIAL #	4.584	4.658	4.600	4.645	4.534	4.604
71154447						
SET TRIGGER PULL TO SPEC						
GUN # 1	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154454						
GUN # 2	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154232						

PROJECT # 241314
ENG SCOTT FRANZ

MODEL 710 PRE T P 7MM REM MAG

TLW 1430
3/30/2004

GUN # 3	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154462						
GUN # 4	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154235						
GUN # 5	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154461						
GUN # 6	1	2	3	4	5	AVG
SERIAL #	4.597	4.632	4.614	4.601	4.517	4.592
71154448						
GUN # 7	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154231						
GUN # 8	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154449						
GUN # 9	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154450						
GUN # 10	1	2	3	4	5	AVG
SERIAL #	OK	OK	OK	OK	OK	OK
71154447						

ET33921

PROJECT # 241314
ENG SCOTT FRANZ

MEASUREMENTS ON 7MM REM MAG CHAMBER CAST

TLW1430
3/30/2004

ID	DESCRIPTION	DIN	PLUS	MINUS	A-1	A-2	A-3	M
A	O.D.	0.5136	0.002	0.002	0.5141	0.5137	0.5132	MV
B	O.D.	0.4928	0.002	0.002	0.4954	0.4953	0.4948	MV
C	O.D.	0.4918	0.002	0.002	0.4944	0.4946	0.4945	MV
D	DEGREE	25			24.58	24.52	24.61	MV
E	O.D.	0.3170	0.002	0.002	0.3189	0.3182	0.3174	MV
F	RADIUS	0.150	0.030	0.030	0.149	0.151	0.150	MV
G	O.D.	0.3160	0.002	0.002	0.3177	0.3173	0.3171	MV
H	DEGREE	45			43.40	43.71	43.82	MV
I	O.D.	0.2845	0.002	0.002	0.2860	0.2858	0.2858	MV
J	O.D.	0.2845	0.002	0.002	0.2846	0.2844	0.2844	MV

PROJECT # 241314
ENG SCOTT FRANZ

M/710 7MM JACK FUNCTION TEST 150 ROUNDS

TLW 1430
3/30/2004

150 RD JACK FUNCTION TEST		FAIL TO EJECT	SHOOTER
GUN # 1	MALFUNCTIONS 0		STEVE WADE
SERIAL #			
71154454	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 2	MALFUNCTIONS 0		STEVE WADE
SERIAL #			
71154232	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 3	MALFUNCTIONS 2	2	STEVE WADE
SERIAL #			
71154462	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 4	MALFUNCTIONS 0		STEVE WADE
SERIAL #			
71154235	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 5	MALFUNCTIONS 1	1	STEVE WADE
SERIAL #			
71154461	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 6	MALFUNCTIONS 0		BOB LEE
SERIAL #			
71154448	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 7	MALFUNCTIONS 0		BOB LEE
SERIAL #			
71154231	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 8	MALFUNCTIONS 1	1	BOB LEE
SERIAL #			
71154449	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 9	MALFUNCTIONS 1	1	BOB LEE
SERIAL #			
71154450	NOTES : SEE INSPECTION CHECKLIST		
		FAIL TO EJECT	SHOOTER
GUN # 10	MALFUNCTIONS 0		BOB LEE
SERIAL #			
71154447	NOTES : SEE INSPECTION CHECKLIST		

ET33923