

Test Lab Work Request Form

Rev.3 -20 April, 2000

Date Submitted: 02/16/04	Tracking # : TLW 1407
Project # : 241314	Engineer: FRANZ
Test Objective: CONCLUDE M/710 MAGNUM TRIAL & PILOT TESTING	
Test Description: Use 36 test guns to perform activities specified on Test Flow Chart for M/710 Magnum. (Test designated as T&P 1.1)	
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: 02/16/04	
Start Date: Completion Date: Report Date:	Test Assigned To: Steve Wade, Jeff Wade, Bob Lee Assignment Date: 02/16/04

ET20097

PROJECT # 241314

FIRING PIN INDENT

TLW 1407F

FIRING PIN INDENT				
A-1	1	2	3	AVG
	.018	.020	.018	.0186
A-2	1	2	3	AVG
	.019	.021 .020	.022 .018	.0206 .0190
A-3	1	2	3	AVG
	.020 .019	.022 .017	.020 .018	.0200 .0180
A-5	1	2	3	AVG
	.019	.020	.019	.0193
A-6	1	2	3	AVG
	.018	.018	.017	.0176
A-7	1	2	3	AVG
	.017	.019	.017	.0176
A-8	1	2	3	AVG
	.018	.017	.016	.0170
A-9	1	2	3	AVG
	.018	.019	.017	.0183
A-10	1	2	3	AVG
	.018	.019	.018	.0183
A-11	1	2	3	AVG
	.017	.017	.017	.0170
A-12	1	2	3	AVG
	.018	.017	.017	.0173
A-13	1	2	3	AVG
	.019	.018	.018	.0183
A-14	1	2	3	AVG
	.018	.017	.017	.0173
A-15	1	2	3	AVG
	.018	.019	.018	.0183
A-16	1	2	3	AVG
	.021	.020	.018	.0196
A-17	1	2	3	AVG
	.019	.017	.019	.0183
A-18	1	2	3	AVG
	.018	.017	.019	.0180
A-19	1	2	3	AVG
	.017	.017	.019	.0176
A-20	1	2	3	AVG
	.018	.018	.018	.0180
A-21	1	2	3	AVG
	.019	.019	.018	.0183
A-22	1	2	3	AVG
	.016	.018	.018	.0173
A-23	1	2	3	AVG
	.017	.018	.017	.0173
A-24	1	2	3	AVG
	.017	.017	.019	.0176
A-25	1	2	3	AVG
	.019	.019	.019	.019

A-4
 .0180/.0190/.018
 .0183

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ET20098

PROJECT # 241314

FIRING PIN INDENT

TLW 1407F

A-26	1	2	3	AVG
	.018	.018	.016	.0173
A-27	1	2	3	AVG
	.018	.018	.018	.0180
A-28	1	2	3	AVG
	.018	.020	.017	.0183
A-29	1	2	3	AVG
	.016	.016	.017	.0163
A-30	1	2	3	AVG
	.018	.019	.019	.0183

ET20099

PROJECT # 241314

SEAR LEFT

TLW 1407G

SEAR LEFT			
A-1	HIGH GAUGE	PIN	SEAR LIFT
			.0109
A-2	HIGH GAUGE	PIN	SEAR LIFT
			.0111
A-3	HIGH GAUGE	PIN	SEAR LIFT
			.0108
A-4	HIGH GAUGE	PIN	SEAR LIFT
			.0108
A-5	HIGH GAUGE	PIN	SEAR LIFT
			.0127
A-6	HIGH GAUGE	PIN	SEAR LIFT
			.0105
A-7	HIGH GAUGE	PIN	SEAR LIFT
			.0109
A-8	HIGH GAUGE	PIN	SEAR LIFT
			.0119
A-9	HIGH GAUGE	PIN	SEAR LIFT
			.0115
A-10	HIGH GAUGE	PIN	SEAR LIFT
			.0108
A-11	HIGH GAUGE	PIN	SEAR LIFT
			.0123
A-12	HIGH GAUGE	PIN	SEAR LIFT
			.0122
A-13	HIGH GAUGE	PIN	SEAR LIFT
			.0112
A-14	HIGH GAUGE	PIN	SEAR LIFT
			.0115
A-15	HIGH GAUGE	PIN	SEAR LIFT
			.0114
A-16	HIGH GAUGE	PIN	SEAR LIFT
			.0124
A-17	HIGH GAUGE	PIN	SEAR LIFT
			.0131
A-18	HIGH GAUGE	PIN	SEAR LIFT
			.0112
A-19	HIGH GAUGE	PIN	SEAR LIFT
			.0109
A-20	HIGH GAUGE	PIN	SEAR LIFT
			.0135
A-21	HIGH GAUGE	PIN	SEAR LIFT
			.0131
A-22	HIGH GAUGE	PIN	SEAR LIFT
			.0112
A-23	HIGH GAUGE	PIN	SEAR LIFT
			.0100
A-24	HIGH GAUGE	PIN	SEAR LIFT
			.0085

ET20100

PROJECT # 241314

SEAR LEFT

83
TLW 1407G

A-25	HIGH GAUGE	PIN	SEAR LIFT
			.0115
A-26	HIGH GAUGE	PIN	SEAR LIFT
			.0112
A-27	HIGH GAUGE	PIN	SEAR LIFT
			.0113
A-28	HIGH GAUGE	PIN	SEAR LIFT
			.0114
A-29	HIGH GAUGE	PIN	SEAR LIFT
			.0137
A-30	HIGH GAUGE	PIN	SEAR LIFT
			.0121

ET20101

PROJECT # 241314

SEAR / TRIGGER ENGAGEMENT

TLW 1407G

SEAR / TRIGGER ENGAGEMENT				
A-1	1	2	3	AVG
	0.0326	0.0327	0.0326	0.03263
A-2	1	2	3	AVG
	0.0308	0.0308	0.0308	0.03080
A-3	1	2	3	AVG
	0.0367	0.0367	0.0365	0.03663
A-4	1	2	3	AVG
	0.0297	0.0296	0.0300	0.02976
A-5	1	2	3	AVG
	0.0299	0.03	0.0298	0.02990
A-6	1	2	3	AVG
	0.0341	0.0341	0.0339	0.03403
A-7	1	2	3	AVG
	0.0322	0.0320	0.0322	0.03213
A-8	1	2	3	AVG
	0.0342	0.0344	0.0341	0.03423
A-9	1	2	3	AVG
	0.0285	0.0282	0.0285	0.02840
A-10	1	2	3	AVG
	0.0344	0.0345	0.0343	0.03440
A-11	1	2	3	AVG
	0.0302	0.0304	0.0301	0.03023
A-12	1	2	3	AVG
	0.0301	0.0298	0.0302	0.03003
A-13	1	2	3	AVG
	0.0334	0.0334	0.0333	0.03366
A-14	1	2	3	AVG
	0.0315	0.0315	0.0316	0.03153
A-15	1	2	3	AVG
	0.0321	0.0324	0.0326	0.03236
A-16	1	2	3	AVG
	0.0291	0.0289	0.0292	0.02906
A-17	1	2	3	AVG
	0.0306	0.0307	0.0308	0.03070
A-18	1	2	3	AVG
	0.0342	0.0341	0.0341	0.03413
A-19	1	2	3	AVG
	0.0316	0.0315	0.0317	0.03160
A-20	1	2	3	AVG
	0.0327	0.0325	0.0327	0.03263
A-21	1	2	3	AVG
	0.0331	0.0334	0.0334	0.03330
A-22	1	2	3	AVG
	0.0294	0.0291	0.0293	0.02926
A-23	1	2	3	AVG
	0.0308	0.0309	0.0309	0.03086
A-24	1	2	3	AVG
	0.0315	0.0314	0.0315	0.03146

ET20102

PROJECT # 241314

SEAR / TRIGGER ENGAGEMENT

TLW 1407G

A-25	1	2	3	AVG
	0.0333	0.0332	0.0333	0.03326
A-26	1	2	3	AVG
	0.0341	0.0342	0.0343	0.03420
A-27	1	2	3	AVG
	0.0333	0.0335	0.0334	0.03340
A-28	1	2	3	AVG
	0.0301	0.0303	0.0301	0.03016
A-29	1	2	3	AVG
	0.0314	0.0315	0.0315	0.03146
A-30	1	2	3	AVG
	0.0317	0.0316	0.0315	0.03160
A-31	1	2	3	AVG
	0.0328	0.0326	0.0327	0.03270
A-32	1	2	3	AVG
	0.0366	0.0364	0.0364	0.03646
A-33	1	2	3	AVG
	0.0363	0.0361	0.0360	0.03613
A-34	1	2	3	AVG
	0.0338	0.0339	0.0336	0.03376
A-35	1	2	3	AVG
	0.0318	0.0318	0.0319	0.03183
A-36	1	2	3	AVG
	0.0337	0.0335	0.0336	0.03380

ET20103

PROJECT # 241314

TRIGGER PULL FORCE

TLW 1407H

TRIGGER PULL FORCE						
A-1	1	2	3	4	5	AVG
	3.883	3.991	3.999	4.166	4.156	4.039
A-2	1	2	3	4	5	AVG
	5.248	5.192	5.226	5.550	5.482	5.34
A-3	1	2	3	4	5	AVG
	5.573	5.412	5.606	5.434	5.622	5.529
A-4	1	2	3	4	5	AVG
	4.973	5.072	4.905	5.123	5.106	5.036
A-5	1	2	3	4	5	AVG
	4.687	4.635	4.696	4.722	4.716	4.691
A-6	1	2	3	4	5	AVG
	5.974	5.933	5.937	5.654	5.703	5.840
A-7	1	2	3	4	5	AVG
	5.526	5.491	5.445	5.656	5.712	5.560
A-8	1	2	3	4	5	AVG
	5.767	5.811	5.993	5.820	5.647	5.808
A-9	1	2	3	4	5	AVG
	4.415	4.321	4.332	4.250	4.399	4.343
A-10	1	2	3	4	5	AVG
	5.092	5.196	5.039	4.922	5.131	5.076
A-11	1	2	3	4	5	AVG
	5.445	5.415	5.426	5.672	5.599	5.511
A-12	1	2	3	4	5	AVG
	4.148	4.099	4.089	4.166	4.245	4.149
A-13	1	2	3	4	5	AVG
	4.572	4.610	4.434	4.675	4.734	4.605
A-14	1	2	3	4	5	AVG
	4.934	4.983	5.042	4.983	5.027	4.993
A-15	1	2	3	4	5	AVG
	5.145	5.187	5.119	5.158	5.222	5.166
A-16	1	2	3	4	5	AVG
	4.301	4.266	4.225	4.272	4.211	4.255
A-17	1	2	3	4	5	AVG
	4.139	4.141	4.077	4.07	4.117	4.109
A-18	1	2	3	4	5	AVG
	5.355	5.465	5.176	5.421	5.288	5.341
A-19	1	2	3	4	5	AVG
	5.604	5.575	5.710	5.754	5.642	5.657
A-20	1	2	3	4	5	AVG
	4.488	4.525	4.664	4.694	4.620	4.598
A-21	1	2	3	4	5	AVG
	4.789	5.011	4.980	4.886	5.055	4.944
A-22	1	2	3	4	5	AVG
	4.791	4.567	4.731	4.695	4.682	4.693
A-23	1	2	3	4	5	AVG
	3.250	3.191	3.172	3.195	3.242	3.210
A-24	1	2	3	4	5	AVG
	4.707	4.785	4.730	4.796	4.747	4.753

ET20104

PROJECT # 241314

TRIGGER PULL FORCE

TLW 1407H

A-25	1	2	3	4	5	AVG
	4.314	4.351	4.461	4.294	4.452	4.374
A-26	1	2	3	4	5	AVG
	4.990	4.982	4.952	5.076	4.974	4.995
A-27	1	2	3	4	5	AVG
	5.557	5.648	5.455	5.685	5.601	5.589
A-28	1	2	3	4	5	AVG
	4.091	4.060	4.107	4.050	4.169	4.095
A-29	1	2	3	4	5	AVG
	4.941	4.962	5.191	5.102	5.088	5.067
A-30	1	2	3	4	5	AVG
	4.980	5.050	4.845	4.964	5.028	4.973
A-31	1	2	3	4	5	AVG
	4.381	4.465	4.407	4.519	4.419	4.438
A-32	1	2	3	4	5	AVG
	6.322	6.297	6.421	6.279	6.536	6.371
A-33	1	2	3	4	5	AVG
	5.743	5.819	5.791	5.784	5.804	5.788
A-34	1	2	3	4	5	AVG
	5.336	5.543	5.470	5.412	5.427	5.437
A-35	1	2	3	4	5	AVG
	5.595	5.588	5.322	5.227	5.420	5.430
A-36	1	2	3	4	5	AVG
	4.558	4.369	4.415	4.534	4.489	4.473

~~with shim A-31~~

No Shim A-33 5.369 5.373 5.516 5.312 5.353 5.385

Engagement 10252

Avg

No Shim A-33 5.591 5.394 5.571 5.513 5.458 5.489

with Shim A-33 5.764 5.858 5.826 5.827 5.843 5.824

ET20105