

Task: Conduct warehouse audit of Model 700 and Model Seven rifles with X-Mark Pro (XMP) trigger assemblies to check trigger pull force
Sample Size: 50 piece sample pulled from warehouse inventory. One sample had old style trigger assembly even though box was marked for XMP.
Measure trigger pull out directly out of the shipping box using 3 different methods. The first method used was the production spring scale moved by hand. The second method was a Lyman digital force gage moved by hand. The third method was to remove the action from the stock and
Test Method: measure trigger pull with the Dvorak Triggerscan with the action held in a fixture.

Test Date: 9/11-12/07
Test Location: R&D Technical Center, Elizabethtown, KY, metrology room

Test Date	Gun #	SKU	Description	S/N	Date Code	Date	Tester	Chatillon Spring Scale SC			Tester
								TP1	TP2	TP3	
9/11/2007	1	27092	700 ADL Youth Syn Scoped	G6681961	22WB	8/22/2007	JD	4.50	4.50	4.25	JD
9/11/2007	2	27097	700 ADL Synthetic Scoped	G6676852	24WB	8/24/2007	JD	4.25	4.00	4.00	JD
9/11/2007	3	27259	700 VSF	G6657024	20WB	8/20/2007	JD	3.00	3.25	3.00	JD
9/11/2007	4	84050	700 CDL B&C	G6664552	15WB	8/15/2007	JD	4.75	4.75	4.75	JD
9/11/2007	5	84055	700 CDL B&C	G6664380	12OB	7/12/2007	JD	4.25	4.75	4.50	JD
9/11/2007	6	27049	700 CDL 700 SPS SS DM	G6636576	10BB	1/10/2007	JD	4.50	5.00	4.75	JD
9/11/2007	7	27142	Camo	T6266701	21KB	5/21/2007	JD	4.00	3.75	3.75	JD
9/11/2007	8	27047	700 CDL 700 SPS SS DM	G6636100	01LB	2/1/2007	JD	3.75	3.50	3.50	JD
9/11/2007	9	27143	Camo	T6267293	02WB	8/2/2007	JD	4.25	4.25	4.50	JD
9/11/2007	10	84054	700 CDL B&C	G6670533	25OB	7/25/2007	JD	3.50	3.75	3.50	JD
9/11/2007	11	84270	700 Mtn LSS	S6599579	02LB	2/2/2007	JD	4.25	4.00	4.00	JD
9/11/2007	12	27343	700 SPS DM	D6631154	23LB	2/23/2007	JD	5.00	5.00	5.00	JD
9/11/2007	13	84174	700 SPS Buckmasters Camo	F6300481	17BB	1/17/2007	JD	4.50	4.50	4.25	JD
9/11/2007	14	84262	700 TI	TT009198	21WB	8/21/2007	JD	4.75	4.75	4.75	JD
9/11/2007	15	84012	700 CDL SF	S6598705	29BB	1/29/2007	JD	4.75	4.75	4.50	JD
9/11/2007	16	84217	700 SPS Varmint	G6646024	16LB	2/16/2007	JD	4.50	5.00	5.00	JD
9/11/2007	17	84217	700 SPS Varmint	G6647888	16LB	2/16/2007	JD	4.50	4.50	4.50	JD
9/11/2007	18	84051	700 CDL B&C	G6663602	15WB	8/15/2007	JD	3.75	3.75	3.75	JD
9/11/2007	19	84051	700 CDL B&C	G6663521	15WB	8/15/2007	JD	4.00	4.00	3.50	JD
9/11/2007	20	27011	700 CDL	G6635553	05LB	2/5/2007	JD	3.75	3.75	3.75	JD
9/11/2007	21	27011	700 CDL	G6635543	05LB	2/5/2007	JD	4.00	4.00	4.25	JD
9/11/2007	22	27339	700 SPS DM	G6644808	07LB	2/7/2007	JD	4.50	4.50	4.25	JD
9/11/2007	23	27339	700 SPS DM	G6644642	07LB	2/7/2007	JD	4.00	5.25	5.25	JD
9/11/2007	24	27339	700 SPS DM	G6644626	07LB	2/7/2007	JD	4.25	4.25	4.25	JD
9/11/2007	25	27339	700 SPS DM	G6644667	07LB	2/7/2007	JD	5.00	5.00	4.75	JD
9/11/2007	26	27339	700 SPS DM	G6644531	07LB	2/7/2007	JD	4.50	4.50	4.50	JD
9/11/2007	27	27339	700 SPS DM	D6631039	07LB	2/7/2007	JD	4.00	4.00	4.00	JD
9/11/2007	28	27339	700 SPS DM 700 ADL Syn	G6644822	07LB	2/7/2007	JD	4.50	4.50	4.75	JD
9/11/2007	29	27095	Scoped 700 ADL Syn	G6679354	30WB	8/30/2007	JD	4.25	4.25	4.25	JD
9/11/2007	30	27095	Scoped	G6679368	30WB	8/30/2007	JD	4.50	4.25	4.25	JD
9/12/2007	31	27053	700 CDL	G6618936	04BB	1/4/2007	JD	5.25	5.00	5.25	JD
9/12/2007	32	27053	700 CDL	G6635711	04BB	1/4/2007	JD	4.00	4.25	4.50	JD
9/12/2007	33	27053	700 CDL	G6588956	04BB	1/4/2007	JD	5.00	5.00	5.25	JD
9/12/2007	34	27053	700 CDL	G6635930	08BB	1/8/2007	JD	4.25	4.00	4.00	JD
9/12/2007	35	27053	700 CDL	G6636427	03BB	1/3/2007	JD	3.50	3.50	3.50	JD
9/12/2007	36	27053	700 CDL	G6636386	03BB	1/3/2007	JD	3.50	3.75	3.50	JD
9/12/2007	37	27053	700 CDL	G6636450	03BB	1/3/2007	JD	4.50	4.25	4.25	JD
9/12/2007	38	27053	700 CDL	G6588913	04BB	1/4/2007	JD	4.00	3.75	3.50	JD

Chatillon Spring Scale NSC				Tester	Lyman Digital Scale SC				Tester	Lyman Digital Scale NSC				Tester
TP1	TP2	TP3			TP1	TP2	TP3			TP1	TP2	TP3		
4.50	5.50	5.75		JD	5.438	5.563	5.500		JD	5.625	7.313	6.875		JR
4.00	4.50	4.25		JD	5.250	5.750	5.625		JD	4.438	5.938	5.563		SW
3.50	3.50	3.25		JD	3.875	3.688	3.750		JD	2.125	4.125	3.813		SW
4.00	4.75	4.50		JD	6.125	5.563	5.500		JD	3.688	6.000	5.688		SW
5.50	5.00	4.75		JD	5.500	5.500	5.250		JD	4.813	6.000	5.375		SW
4.75	4.00	4.75		JD	6.188	5.500	5.500		JD	4.938	5.750	5.625		SW
4.00	4.00	4.00		JD	4.688	4.625	4.938		JD	4.313	4.875	5.000		SW
4.25	4.50	4.00		JD	4.250	4.500	4.438		JD	3.938	5.125	5.063		SW
4.25	4.25	4.00		JD	5.250	5.000	5.188		JD	4.875	4.938	5.063		SW
3.25	4.00	4.00		JD	4.250	4.250	4.125		JD	4.000	4.875	4.875		SW
4.00	4.25	4.25		JD	4.938	4.938	4.875		JD	3.938	4.688	4.625		SW
5.00	5.00	5.00		JD	7.000	6.375	6.188		JD	6.688	6.750	7.000		SW
4.25	4.25	4.50		JD	5.438	5.750	5.563		JD	5.313	5.125	5.188		SW
5.00	4.75	4.50		JD	6.625	6.563	6.313		JD	5.875	6.000	5.750		SW
4.25	5.00	5.50		JD	5.500	5.625	5.250		JD	4.563	5.375	6.063		SW
5.00	5.25	5.25		JD	6.313	6.000	5.875		JD	5.938	6.188	5.875		JR
4.50	4.50	4.50		JD	4.500	5.688	5.250		JD	4.500	5.500	5.625		SW
4.00	4.00	4.25		JD	4.750	4.500	4.563		JD	5.188	4.938	4.688		SW
4.50	4.50	4.00		JD	4.625	4.438	4.313		JD	4.063	4.188	4.063		SW
4.00	4.25	4.25		JD	4.375	4.313	4.625		JD	4.625	4.938	4.813		SW
4.00	3.75	3.50		JD	5.000	4.813	4.688		JD	4.375	4.313	4.438		SW
4.25	4.25	4.50		JD	5.500	5.125	5.250		JD	5.188	5.188	5.313		SW
5.50	5.00	4.75		JD	5.938	5.875	5.750		JD	5.875	5.125	5.375		JR
4.00	4.50	4.75		JD	4.875	4.875	4.875		JD	4.938	4.813	4.938		SW
4.50	5.00	4.75		JD	5.250	5.688	5.125		JD	4.750	5.563	5.188		SW
4.00	4.00	4.25		JD	5.500	5.188	5.563		JD	3.063	5.438	5.000		SW
3.75	3.50	3.75		JD	4.875	5.000	4.875		JD	5.188	4.688	4.563		JR
4.00	4.25	4.50		JD	4.625	4.875	4.688		JD	4.438	5.188	5.000		SW
4.75	5.00	4.50		JD	5.375	5.125	4.813		JD	5.438	5.438	5.250		SW
4.75	4.25	4.50		JD	5.250	5.063	5.500		JD	4.813	5.063	5.000		SW
5.50	5.75	5.25		JD	7.063	6.625	6.813		JD	6.000	7.625	7.125		SW
4.25	4.00	3.75		JD	5.125	4.750	5.250		JD	5.688	5.313	4.813		SW
4.75	5.25	5.00		JD	6.125	6.125	6.000		JD	6.125	6.375	6.875		SW
4.25	3.75	4.25		JD	5.063	4.813	4.875		JD	5.063	4.938	4.938		SW
3.50	3.75	3.50		JD	4.875	4.688	4.313		JD	2.625	4.438	4.875		SW
3.50	3.50	3.50		JD	4.375	4.625	4.313		JD	5.438	4.813	4.688		SW
4.75	4.25	4.25		JD	5.438	5.125	4.688		JD	4.938	5.313	5.375		SW
3.50	4.50	4.50		JD	4.563	4.313	4.313		JD	4.188	4.188	4.000		SW

Dvorak Device SC						Tester	Dvorak Device NSC					
TP1	TP2	TP3	TP4	TP5	TP1		TP2	TP3	TP4	TP5		
4.336	4.396	4.379	4.412	4.319	JR	6.344	6.336	6.305	6.722	6.573		
5.712	5.423	5.089	5.899	5.302	SW	5.505	5.394	5.266	5.294	5.084		
3.407	3.606	3.608	3.260	3.455	SW	3.380	3.591	3.604	3.636	3.597		
5.294	5.102	5.275	5.472	5.672	SW	5.316	6.388	5.586	6.272	6.212		
5.131	5.017	5.159	5.155	5.170	SW	5.076	5.391	5.796	6.050	5.715		
5.637	6.023	5.458	5.788	5.952	SW	6.009	5.962	5.763	5.853	5.806		
4.857	4.838	4.894	4.829	4.773	SW	5.265	5.547	5.465	5.480	5.465		
4.052	4.105	4.064	4.046	4.057	SW	4.752	4.326	4.451	4.828	4.877		
4.633	4.832	4.915	4.913	4.880	SW	5.282	5.062	4.980	4.918	4.931		
3.782	3.974	3.958	4.034	4.142	SW	4.712	4.005	4.388	4.307	4.309		
4.140	4.318	4.374	4.436	4.141	SW	4.885	4.608	4.739	4.565	4.736		
5.574	5.796	5.642	5.817	5.759	SW	6.072	6.044	6.001	6.010	6.096		
4.697	4.702	4.806	4.811	4.788	SW	4.879	4.723	4.700	4.696	4.754		
5.394	5.666	6.046	5.775	5.800	SW	5.764	5.773	5.832	5.898	5.986		
6.026	5.961	5.399	5.659	5.861	SW	6.018	5.847	5.674	5.344	5.481		
4.833	4.838	4.826	4.762	4.786	JR	5.253	5.434	5.491	5.503	5.789		
4.838	4.788	4.787	4.802	4.781	SW	5.274	5.241	5.237	5.270	5.250		
4.263	4.214	3.807	4.174	4.102	SW	4.111	4.550	4.221	4.155	4.518		
3.689	3.802	4.119	3.877	3.843	SW	3.862	3.981	3.646	3.792	3.888		
4.346	4.436	4.258	4.311	4.299	SW	5.396	5.042	5.350	5.380	5.048		
4.161	3.999	4.096	4.308	3.858	SW	4.320	4.309	4.213	3.914	4.047		
5.226	5.110	5.220	5.178	5.220	SW	5.155	5.139	5.107	5.281	5.138		
5.071	5.164	5.032	5.348	4.991	JR	5.035	5.062	4.964	5.082	5.096		
4.612	4.590	4.599	4.618	4.599	SW	5.445	5.115	4.782	5.193	5.019		
5.147	5.269	4.953	5.093	4.979	SW	5.236	5.434	5.115	5.157	5.098		
5.217	5.233	5.040	5.134	5.106	SW	5.005	4.957	5.039	5.117	4.984		
3.818	3.901	3.907	3.935	3.975	SW	4.523	4.577	4.823	4.674	4.598		
4.845	4.865	4.958	5.004	5.018	SW	5.402	5.392	5.539	5.502	5.540		
4.625	4.761	4.972	4.673	4.683	SW	5.180	4.887	4.966	4.431	5.060		
5.162	5.285	5.126	5.124	5.176	SW	5.495	5.390	5.366	5.264	5.392		
5.914	5.623	5.911	6.034	5.644	SW	6.353	5.992	6.468	6.576	5.797		
4.507	4.361	4.676	4.572	4.461	SW	4.909	4.866	4.572	4.607	4.694		
5.980	5.920	5.979	5.886	5.968	SW	6.469	6.044	6.572	6.480	6.533		
4.482	4.331	4.336	4.342	4.817	SW	4.645	4.444	4.691	4.416	4.518		
3.855	4.153	4.171	4.145	3.973	SW	4.573	4.622	4.538	4.446	4.499		
4.055	3.907	4.114	4.133	3.928	SW	4.198	4.174	4.120	4.258	3.936		
4.639	4.249	4.998	4.698	4.647	SW	4.858	4.595	4.903	4.851	4.877		
4.045	4.146	4.248	4.428	4.185	SW	4.668	4.498	4.507	4.421	4.346		

9/12/2007	39	84171	700 SPS Buckmasters Camo	G6639742	19BB	<u>1/19/2007</u>	JD	<u>3.25</u>	<u>3.00</u>	<u>3.00</u>	JD
9/12/2007	40	84171	700 SPS Buckmasters Camo	G6639723	19BB	<u>1/19/2007</u>	JD	<u>4.25</u>	<u>4.50</u>	<u>4.50</u>	JD
9/12/2007	41	84171	700 SPS Buckmasters Camo	G6642690	19BB	<u>1/19/2007</u>	JD	<u>4.50</u>	<u>4.50</u>	<u>4.75</u>	JD
9/12/2007	42	84171	700 SPS Buckmasters Camo	G6642664	19BB	<u>1/19/2007</u>	JD	<u>5.25</u>	<u>5.00</u>	<u>4.75</u>	JD
9/12/2007	43	84171	700 SPS Buckmasters Camo	G6641189	19BB	<u>1/19/2007</u>	JD	<u>3.50</u>	<u>3.75</u>	<u>3.75</u>	JD
9/12/2007	44	84171	700 SPS Buckmasters Camo	G6642714	19BB	<u>1/19/2007</u>	JD	<u>4.00</u>	<u>4.00</u>	<u>4.00</u>	JD
9/12/2007	45	27335	700 SPS DM	D6629503	06LB	<u>2/6/2007</u>	JD	<u>4.00</u>	<u>4.00</u>	<u>4.25</u>	JD
9/12/2007	46	27335	700 SPS DM	D6629533	06LB	<u>2/6/2007</u>	JD	<u>3.25</u>	<u>3.00</u>	<u>3.00</u>	JD
9/12/2007	47	27335	700 SPS DM	G6644775	07LB	<u>2/7/2007</u>	JD	<u>4.00</u>	<u>4.25</u>	<u>4.25</u>	JD
9/12/2007	48	27335	700 SPS DM	D6630873	07LB	<u>2/7/2007</u>	JD	<u>4.00</u>	<u>4.25</u>	<u>4.50</u>	JD
9/12/2007	49	27335	700 SPS DM	G6644706	07LB	<u>2/7/2007</u>	JD	<u>3.00</u>	<u>3.00</u>	<u>3.00</u>	JD
9/12/2007	50	27335	700 SPS DM	G6644895	07LB	<u>2/7/2007</u>	JD	<u>4.25</u>	<u>4.00</u>	<u>3.75</u>	JD

	3.50	3.25	3.00	JD		4.875	4.750	4.875	JD		5.313	4.250	4.000 SW
	4.25	5.00	4.75	JD		5.438	5.438	5.563	JD		5.688	5.688	5.688 SW
	4.50	4.75	4.75	JD		6.125	5.875	5.813	JD		5.563	5.750	5.313 SW
	4.75	5.00	5.00	JD		6.063	6.250	6.250	JD		6.313	6.375	6.250 SW
	4.00	4.50	4.50	JD		4.688	4.750	4.688	JD		4.938	5.625	6.125 SW
	4.00	4.50	4.75	JD		5.313	4.813	5.125	JD		4.875	5.313	5.375 SW
	4.25	4.00	4.50	JD		4.625	5.188	5.063	JD		4.625	5.188	4.875 SW
	3.50	3.25	3.25	JD		3.813	3.938	3.875	JD		4.000	3.813	3.875 SW
	3.75	4.00	4.25	JD		5.563	5.563	5.250	JD		4.813	5.313	5.125 SW
	4.25	4.25	4.25	JD		5.438	5.063	5.563	JD		5.563	5.313	5.313 SW
	3.50	3.00	3.00	JD		3.938	4.063	3.688	JD		4.250	3.875	4.313 SW
	4.00	4.00	4.25	JD		5.250	5.188	5.063	JD		4.813	5.313	5.375 SW

3.393	3.396	3.450	3.430	3.407	SW	4.072	3.444	3.592	3.691	3.434
5.093	5.026	5.078	5.105	5.190	SW	4.891	5.099	4.874	4.913	5.032
5.140	5.036	5.049	5.122	5.033	SW	5.045	5.131	5.185	5.226	5.250
5.625	5.551	5.610	5.630	5.644	SW	5.512	5.709	5.655	5.501	5.529
4.233	4.218	4.355	4.228	4.323	SW	5.903	5.144	5.331	5.311	5.377
4.358	4.536	4.350	4.448	4.433	SW	5.445	5.642	5.680	5.731	5.061
4.850	4.823	4.821	4.866	4.926	SW	5.258	5.258	5.334	5.089	5.141
4.850	4.823	4.821	4.866	4.926	SW	5.258	5.258	5.334	5.089	5.141
4.907	5.028	4.870	4.984	5.046	SW	5.127	5.077	5.044	5.020	5.069
4.483	4.710	4.555	4.713	4.768	SW	5.039	5.058	5.029	5.078	4.923
4.077	3.962	4.037	3.892	3.984	SW	4.237	4.234	4.444	4.447	4.419
5.025	5.271	5.089	4.829	5.279	SW	5.406	5.281	5.317	5.392	5.331

Cell: A2

Comment: metrology1:

normal testing order was spring scale NSC - spring scale SC - Lyman NSC - Lyman SC - Dvorak SC - Dvorak NSC

SC = safety cycling

NSC = no safety cycling

Cell: N13

Comment: metrology1:

measured second

Cell: X13

Comment: metrology1:

measured first

Cell: B14

Comment: metrology1:

OLD TRIGGER

Cell: N14

Comment: metrology1:

measured second

Cell: X14

Comment: metrology1:

measured first

Gun #	1	2	3	4	5	6	7	8	9	10	11	12	13
SKU	27092	27097	27259	84050	84055	27049	27142	27047	27143	84054	84270	27343	84174
Description	700 ADL Youth	Synthetic		700 CDL	700 CDL		700 SPS		700 SPS				700 SPS
S/N	Syn Scoped	Scoped	700 VSF	B&C	B&C	700 CDL	SS DM	700 CDL	SS DM	700 CDL	700 Mtn	700 SPS	Buckmasters
Date Code	G6681961	G6676852	G6657024	G6664552	G6664380	G6636576	T6266701	G6636100	T6267293	G6670533	S6599579	D6631154	F6300481
Date	22WB	24WB	20WB	15WB	12OB	10BB	21KB	01LB	02WB	25OB	02LB	23LB	17BB
	8/22/2007	8/24/2007	8/20/2007	8/15/2007	7/12/2007	1/10/2007	5/21/2007	2/1/2007	8/2/2007	7/25/2007	2/2/2007	2/23/2007	1/17/2007
Chatillon Spring Scale SC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	4.50	4.25	3.00	4.75	4.25	4.50	4.00	3.75	4.25	3.50	4.25	5.00	4.50
TP2	4.50	4.00	3.25	4.75	4.75	5.00	3.75	3.50	4.25	3.75	4.00	5.00	4.50
TP3	4.25	4.00	3.00	4.75	4.50	4.75	3.75	3.50	4.50	3.50	4.00	5.00	4.25
Avg	4.417	4.083	3.083	4.750	4.500	4.750	3.833	3.583	4.333	3.583	4.083	5.000	4.417
SD	0.144	0.144	0.144	0.000	0.250	0.250	0.144	0.144	0.144	0.144	0.144	0.000	0.144
Chatillon Spring Scale NSC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	4.50	4.00	3.50	4.00	5.50	4.75	4.00	4.25	4.25	3.25	4.00	5.00	4.25
TP2	5.50	4.50	3.50	4.75	5.00	4.00	4.00	4.50	4.25	4.00	4.25	5.00	4.25
TP3	5.75	4.25	3.25	4.50	4.75	4.75	4.00	4.00	4.00	4.00	4.25	5.00	4.50
Avg	5.250	4.250	3.417	4.417	5.083	4.500	4.000	4.250	4.167	3.750	4.167	5.000	4.333
SD	0.661	0.250	0.144	0.382	0.382	0.433	0.000	0.250	0.144	0.433	0.144	0.000	0.144
Lyman Digital Scale SC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	5.438	5.250	3.875	6.125	5.500	6.188	4.688	4.250	5.250	4.250	4.938	7.000	5.438
TP2	5.563	5.750	3.688	5.563	5.500	5.500	4.625	4.500	5.000	4.250	4.938	6.375	5.750
TP3	5.500	5.625	3.750	5.500	5.250	5.500	4.938	4.438	5.188	4.125	4.875	6.188	5.563
Avg	5.500	5.542	3.771	5.729	5.417	5.729	4.750	4.396	5.148	4.208	4.917	6.521	5.583
SD	0.063	0.260	0.095	0.344	0.144	0.397	0.165	0.130	0.130	0.072	0.036	0.425	0.157
Lyman Digital Scale NSC Tester	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
TP1	5.625	4.438	2.125	3.688	4.813	4.938	4.313	3.938	4.875	4.000	3.938	6.688	5.313
TP2	7.313	5.938	4.125	6.000	6.000	5.750	4.875	5.125	4.938	4.875	4.688	6.750	5.125
TP3	6.875	5.563	3.813	5.688	5.375	5.625	5.000	5.063	5.063	4.875	4.625	7.000	5.188
Avg	6.604	5.313	3.354	5.125	5.396	5.438	4.729	4.708	4.958	4.583	4.417	6.813	5.208
SD	0.876	0.781	1.076	1.255	0.594	0.438	0.366	0.663	0.095	0.505	0.416	0.165	0.095
Dvorak Device SC Tester	JR	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
TP1	4.338	5.712	3.407	5.294	5.131	5.637	4.857	4.052	4.633	3.782	4.140	5.574	4.697
TP2	4.396	5.423	3.606	5.102	5.017	6.023	4.838	4.105	4.832	3.974	4.318	5.796	4.702
TP3	4.379	5.089	3.608	5.275	5.159	5.458	4.894	4.064	4.915	3.958	4.374	5.642	4.806
TP4	4.412	5.699	3.260	5.472	5.155	5.788	4.829	4.046	4.913	4.034	4.436	5.817	4.811
TP5	4.319	5.302	3.455	5.672	5.170	5.952	4.773	4.057	4.880	4.142	4.141	5.759	4.788
Avg	4.368	5.445	3.467	5.363	5.126	5.772	4.838	4.065	4.835	3.978	4.282	5.718	4.761

9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007	9/11/2007
14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	
84262	84012	84217	84217	84051	84051	27011	27011	27339	27339	27339	27339	27339	27339	27339	27095	700 ADL
700 TI	700 CDL	700 SPS	700 SPS	700 CDL	700 CDL	700 CDL	700 CDL	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	Syn
TT009198	SF	Varmint	Varmint	B&C	B&C	700 CDL	700 CDL	DM	DM	DM	DM	DM	DM	DM	DM	Scoped
21WB	S6598705	G6646024	G6647888	G6663602	G6663521	G6635553	G6635543	G6644808	G6644642	G6644626	G6644667	G6644531	D6631039	G6644822	G6679354	
8/21/2007	1/29/2007	2/16/2007	2/16/2007	8/15/2007	8/15/2007	2/5/2007	2/5/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007	8/30/2007
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
4.75	4.75	4.50	4.50	3.75	4.00	3.75	4.00	4.50	4.00	4.25	5.00	4.50	4.00	4.50	4.25	
4.75	4.75	5.00	4.50	3.75	4.00	3.75	4.00	4.50	5.25	4.25	5.00	4.50	4.00	4.50	4.25	
4.75	4.50	5.00	4.50	3.75	3.50	3.75	4.25	4.25	5.25	4.25	4.75	4.50	4.00	4.75	4.25	
4.750	4.667	4.833	4.500	3.750	3.833	3.750	4.083	4.417	4.833	4.250	4.917	4.500	4.000	4.583	4.250	
0.000	0.144	0.289	0.000	0.000	0.289	0.000	0.144	0.144	0.722	0.000	0.144	0.000	0.000	0.144	0.000	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
5.00	4.25	5.00	4.50	4.00	4.50	4.00	4.00	4.25	5.50	4.00	4.50	4.00	3.75	4.00	4.75	
4.75	5.00	5.25	4.50	4.00	4.50	4.25	3.75	4.25	5.00	4.50	5.00	4.00	3.50	4.25	5.00	
4.50	5.50	5.25	4.50	4.25	4.00	4.25	3.50	4.50	4.75	4.75	4.75	4.25	3.75	4.50	4.50	
4.750	4.917	5.167	4.500	4.083	4.333	4.167	3.750	4.333	5.083	4.417	4.750	4.083	3.667	4.250	4.750	
0.250	0.629	0.144	0.000	0.144	0.289	0.144	0.250	0.144	0.382	0.382	0.250	0.144	0.144	0.250	0.250	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
6.625	5.500	6.313	5.500	4.750	4.625	4.375	5.000	5.500	5.938	4.875	5.250	5.500	4.875	4.625	5.375	
6.563	5.625	6.000	5.688	4.500	4.438	4.313	4.813	5.125	5.875	4.875	5.688	5.188	5.000	4.875	5.125	
6.313	5.250	5.875	5.250	4.563	4.313	4.625	4.688	5.250	5.750	4.875	5.125	5.563	4.875	4.688	4.813	
6.500	5.458	6.063	5.479	4.604	4.458	4.438	4.833	5.292	5.854	4.875	5.354	5.417	4.917	4.729	5.104	
0.165	0.191	0.225	0.219	0.130	0.157	0.165	0.157	0.191	0.095	0.000	0.295	0.201	0.072	0.130	0.282	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD
5.875	4.563	5.938	4.500	5.188	4.063	4.625	4.375	5.188	5.875	4.938	4.750	3.063	5.188	4.438	5.438	
6.000	5.375	6.188	5.500	4.938	4.188	4.938	4.313	5.188	5.125	4.813	5.563	5.438	4.688	5.188	5.438	
5.750	6.063	5.875	5.625	4.688	4.063	4.813	4.438	5.313	5.375	4.938	5.188	5.000	4.563	5.000	5.250	
5.875	5.333	6.000	5.208	4.938	4.104	4.792	4.375	5.229	5.458	4.896	5.167	4.500	4.813	4.875	5.375	
0.125	0.751	0.165	0.617	0.250	0.072	0.157	0.063	0.072	0.382	0.072	0.407	1.264	0.331	0.390	0.108	
SW	SW	JR	SW	SW	SW	SW	SW	SW	JR	SW	SW	SW	JR	SW	SW	
5.394	6.026	4.833	4.838	4.263	3.689	4.346	4.161	5.226	5.071	4.612	5.147	5.217	3.818	4.845	4.625	
5.666	5.961	4.838	4.788	4.214	3.802	4.436	3.999	5.110	5.164	4.590	5.269	5.233	3.901	4.865	4.761	
6.046	5.399	4.826	4.787	3.807	4.119	4.258	4.096	5.220	5.032	4.599	4.953	5.040	3.907	4.958	4.972	
5.775	5.659	4.762	4.802	4.174	3.877	4.311	4.308	5.178	5.348	4.618	5.093	5.134	3.935	5.004	4.673	
5.800	5.861	4.786	4.781	4.102	3.843	4.299	3.858	5.220	4.991	4.599	4.979	5.106	3.975	5.018	4.683	
5.736	5.785	4.809	4.799	4.112	3.868	4.330	4.084	5.191	5.121	4.604	5.088	5.146	3.907	4.938	4.743	

9/11/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
30	31	32	33	34	35	36	37	38	39	40	41	42	43	
27095	27053	27053	27053	27053	27053	27053	27053	27053	84171	84171	84171	84171	84171	
700 ADL									700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	
Syn									Buckmasters	Buckmasters	Buckmasters	Buckmasters	Buckmasters	
Scoped	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	700 CDL	Camo	Camo	Camo	Camo	Camo	
G6679368	G6618936	G6635711	G6588956	G6635930	G6636427	G6636386	G6636450	G6588913	G6639742	G6639723	G6642690	G6642664	G6641189	
30WB	04BB	04BB	04BB	08BB	03BB	03BB	03BB	03BB	04BB	19BB	19BB	19BB	19BB	
8/30/2007	1/4/2007	1/4/2007	1/4/2007	1/8/2007	1/3/2007	1/3/2007	1/3/2007	1/3/2007	1/4/2007	1/19/2007	1/19/2007	1/19/2007	1/19/2007	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.50	5.25	4.00	5.00	4.25	3.50	3.50	4.50	4.00	3.25	4.25	4.50	5.25	3.50	
4.25	5.00	4.25	5.00	4.00	3.50	3.75	4.25	3.75	3.00	4.50	4.50	5.00	3.75	
4.25	5.25	4.50	5.25	4.00	3.50	3.50	4.25	3.50	3.00	4.50	4.75	4.75	3.75	
4.333	5.167	4.250	5.083	4.083	3.500	3.583	4.333	3.750	3.083	4.417	4.583	5.000	3.667	
0.144	0.144	0.250	0.144	0.144	0.000	0.144	0.144	0.250	0.144	0.144	0.144	0.250	0.144	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.75	5.50	4.25	4.75	4.25	3.50	3.50	4.75	3.50	3.50	4.25	4.50	4.75	4.00	
4.25	5.75	4.00	5.25	3.75	3.75	3.50	4.25	4.50	3.25	5.00	4.75	5.00	4.50	
4.50	5.25	3.75	5.00	4.25	3.50	3.50	4.25	4.50	3.00	4.75	4.75	5.00	4.50	
4.500	5.500	4.000	5.000	4.083	3.583	3.500	4.417	4.167	3.250	4.667	4.667	4.917	4.333	
0.250	0.250	0.250	0.250	0.289	0.144	0.000	0.289	0.577	0.250	0.382	0.144	0.144	0.289	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
5.250	7.063	5.125	6.125	5.063	4.875	4.375	5.438	4.563	4.875	5.438	6.125	6.063	4.688	
5.063	6.625	4.750	6.125	4.813	4.688	4.625	5.125	4.313	4.750	5.438	5.875	6.250	4.750	
5.500	6.813	5.250	6.000	4.875	4.313	4.313	4.688	4.313	4.875	5.563	5.813	6.250	4.688	
5.271	6.833	5.042	6.083	4.917	4.625	4.438	5.083	4.396	4.833	5.479	5.938	6.188	4.708	
0.219	0.219	0.260	0.072	0.130	0.285	0.165	0.377	0.144	0.072	0.072	0.165	0.108	0.036	
JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	JD	
4.813	6.000	5.688	6.125	5.063	2.625	5.438	4.938	4.188	5.313	5.688	5.563	6.313	4.938	
5.063	7.625	5.313	6.375	4.938	4.438	4.813	5.313	4.188	4.250	5.688	5.750	6.375	5.625	
5.000	7.125	4.813	6.875	4.938	4.875	4.688	5.375	4.000	4.000	5.688	5.313	6.250	6.125	
4.958	6.917	5.271	6.458	4.979	3.979	4.979	5.208	4.125	4.521	5.688	5.542	6.313	5.563	
0.130	0.832	0.439	0.382	0.072	1.193	0.402	0.237	0.108	0.697	0.000	0.219	0.063	0.596	
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	
5.162	5.914	4.507	5.980	4.482	3.855	4.055	4.639	4.045	3.393	5.093	5.140	5.625	4.233	
5.285	5.623	4.361	5.920	4.331	4.153	3.907	4.249	4.146	3.396	5.026	5.036	5.551	4.218	
5.126	5.911	4.676	5.979	4.336	4.171	4.114	4.998	4.248	3.450	5.078	5.049	5.610	4.355	
5.124	6.034	4.572	5.886	4.342	4.145	4.133	4.698	4.428	3.430	5.105	5.122	5.630	4.228	
5.176	5.644	4.461	5.968	4.817	3.973	3.923	4.647	4.185	3.407	5.190	5.033	5.644	4.323	
5.175	5.825	4.515	5.947	4.482	4.059	4.027	4.846	4.210	3.415	5.098	5.076	5.612	4.271	

9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007	9/12/2007
44	45	46	47	48	49	50
84171	27335	27335	27335	27335	27335	27335
700 SPS						
Buckmasters	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS	700 SPS
Camo	DM	DM	DM	DM	DM	DM
G6642714	D6629503	D6629533	G6644775	D6630873	G6644706	G6644895
19BB	06LB	06LB	07LB	07LB	07LB	07LB
1/19/2007	2/6/2007	2/6/2007	2/7/2007	2/7/2007	2/7/2007	2/7/2007

JD	JD	JD	JD	JD	JD	JD
4.00	4.00	3.25	4.00	4.00	3.00	4.25
4.00	4.00	3.00	4.25	4.25	3.00	4.00
4.00	4.25	3.00	4.25	4.50	3.00	3.75
4.000	4.083	3.083	4.167	4.250	3.000	4.000
0.000	0.144	0.144	0.144	0.250	0.000	0.250

JD	JD	JD	JD	JD	JD	JD
4.00	4.25	3.50	3.75	4.25	3.50	4.00
4.50	4.00	3.25	4.00	4.25	3.00	4.00
4.75	4.50	3.25	4.25	4.25	3.00	4.25
4.417	4.250	3.333	4.000	4.250	3.167	4.083
0.382	0.250	0.144	0.250	0.000	0.289	0.144

JD	JD	JD	JD	JD	JD	JD
5.313	4.625	3.813	5.563	5.438	3.938	5.250
4.813	5.188	3.938	5.563	5.063	4.063	5.188
5.125	5.063	3.875	5.250	5.563	3.688	5.063
5.083	4.958	3.875	5.458	5.354	3.896	5.167
0.253	0.295	0.063	0.180	0.260	0.191	0.095

JD	JD	JD	JD	JD	JD	JD
4.875	4.625	4.000	4.813	5.563	4.250	4.813
5.313	5.188	3.813	5.313	5.313	3.875	5.313
5.375	4.875	3.875	5.125	5.313	4.313	5.375
5.188	4.896	3.896	5.083	5.396	4.146	5.167
0.272	0.282	0.095	0.253	0.144	0.237	0.308

SW	SW	SW	SW	SW	SW	SW
4.358	4.850	4.850	4.907	4.483	4.077	5.025
4.536	4.823	4.823	5.028	4.710	3.962	5.271
4.350	4.821	4.821	4.870	4.555	4.037	5.089
4.448	4.866	4.866	4.984	4.713	3.892	4.829
4.433	4.926	4.926	5.046	4.768	3.984	5.279
4.425	4.857	4.857	4.967	4.646	3.990	5.099

SD	0.040	0.266	0.146	0.217	0.063	0.230	0.044	0.023	0.118	0.131	0.136	0.105	0.057
Dvorak Device NSC Tester	JR	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
TP1	6.344	5.505	3.380	5.316	5.076	6.009	5.265	4.752	5.282	4.712	4.885	6.072	4.879
TP2	6.336	5.394	3.591	6.388	5.391	5.962	5.547	4.326	5.062	4.005	4.608	6.044	4.723
TP3	6.305	5.266	3.604	5.586	5.796	5.763	5.465	4.451	4.980	4.388	4.739	6.001	4.700
TP4	6.722	5.294	3.636	6.272	6.050	5.853	5.480	4.823	4.918	4.307	4.565	6.010	4.696
TP5	6.573	5.084	3.597	6.212	5.715	5.806	5.465	4.877	4.931	4.309	4.736	6.096	4.754
Avg	6.456	5.309	3.562	5.955	5.606	5.879	5.444	4.647	5.035	4.344	4.707	6.045	4.750
SD	0.183	0.157	0.103	0.474	0.378	0.104	0.106	0.244	0.149	0.252	0.126	0.040	0.076

Tester Initials Tester Name
JD Joe Diliberto
JR Jim Ronkainen
SW Steve Wade

0.236	0.258	0.033	0.023	0.180	0.158	0.067	0.169	0.049	0.142	0.011	0.129	0.080	0.058	0.079	0.137
SW	SW	JR	SW	SW	SW	SW	SW	SW	JR	SW	SW	SW	SW	SW	SW
5.764	6.018	5.253	5.274	4.111	3.862	5.396	4.320	5.155	5.035	5.445	5.236	5.005	4.523	5.402	5.180
5.773	5.847	5.434	5.241	4.550	3.981	5.042	4.309	5.139	5.062	5.115	5.434	4.957	4.577	5.392	4.887
5.832	5.674	5.491	5.237	4.221	3.646	5.350	4.213	5.107	4.964	4.782	5.115	5.039	4.823	5.539	4.966
5.898	5.344	5.503	5.270	4.155	3.792	5.380	3.914	5.281	5.082	5.193	5.157	5.117	4.674	5.502	4.431
5.986	5.481	5.789	5.250	4.518	3.888	5.048	4.047	5.138	5.096	5.019	5.098	4.984	4.598	5.540	5.060
5.851	5.673	5.494	5.254	4.311	3.834	5.243	4.161	5.164	5.048	5.111	5.208	5.020	4.639	5.475	4.905
0.093	0.271	0.193	0.017	0.208	0.125	0.182	0.176	0.068	0.052	0.242	0.137	0.062	0.116	0.073	0.287

0.066	0.182	0.118	0.042	0.208	0.139	0.105	0.267	0.142	0.024	0.059	0.051	0.036	0.063
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
5.495	6.353	4.909	6.469	4.645	4.573	4.198	4.858	4.668	4.072	4.891	5.045	5.512	5.903
5.390	5.992	4.866	6.044	4.444	4.622	4.174	4.595	4.498	3.444	5.099	5.131	5.709	5.144
5.366	6.468	4.572	6.572	4.691	4.538	4.120	4.903	4.507	3.592	4.874	5.185	5.656	5.331
5.264	6.576	4.607	6.480	4.416	4.446	4.258	4.851	4.421	3.691	4.913	5.226	5.501	5.311
5.392	5.797	4.694	6.533	4.518	4.499	3.936	4.877	4.346	3.434	5.032	5.250	5.529	5.377
5.381	6.237	4.730	6.420	4.543	4.536	4.137	4.817	4.488	3.647	4.962	5.167	5.581	5.413
0.082	0.330	0.152	0.214	0.121	0.068	0.123	0.126	0.120	0.261	0.099	0.062	0.095	0.288

0.076	0.043	0.043	0.076	0.121	0.071	0.187
SW	SW	SW	SW	SW	SW	SW
5.445	5.258	5.258	5.127	5.039	4.237	5.406
5.642	5.258	5.258	5.077	5.058	4.234	5.281
5.680	5.334	5.334	5.044	5.029	4.444	5.317
5.731	5.089	5.089	5.020	5.078	4.447	5.392
5.061	5.141	5.141	5.069	4.923	4.419	5.331
5.512	5.216	5.216	5.067	5.025	4.356	5.345
0.274	0.099	0.099	0.040	0.060	0.111	0.052

Cell: A1

Comment: metrology1:

normal testing order was spring scale NSC - spring scale SC - Lyman NSC - Lyman SC - Dvorak SC - Dvorak NSC

SC = safety cycling

NSC = no safety cycling

Cell: M2

Comment: metrology1:

OLD TRIGGER

Cell: L17

Comment: metrology1:

measured second

Cell: M17

Comment: metrology1:

measured second

Cell: L33

Comment: metrology1:

measured first

Cell: M33

Comment: metrology1:

measured first