

	A	B	C	D	E	F	G	H	I	J	K	L	M
1		A1 factory settings	A2 factory settings	A3 factory settings	A4 factory settings	A5 factory settings	A6 factory settings	A7 factory settings	A8 factory settings	A9 factory settings	A10 factory settings	A11 factory settings	A12 factory settings
2	Engagement	0.0230	0.0288	0.0243	0.0216	0.0280	0.0202	0.0215	0.0225	0.0204	0.0226	0.0271	0.0315
3	Overtravel	0.020	0.015	0.019	0.023	0.019	0.022	0.021	0.023	0.023	0.022	0.021	0.020
4	TP1	3.291	2.962	3.609	2.975	3.404	3.548	3.233	3.656	4.000	3.728	2.999	3.969
5	TP2	3.510	2.627	4.342	3.061	2.498	3.514	3.517	3.505	3.731	3.728	3.027	4.151
6	TP3	3.449	2.661	4.004	3.187	2.874	3.460	3.499	3.436	3.532	3.677	2.794	3.928
7	TP4	3.456	2.715	3.219	3.066	2.520	3.399	3.504	3.505	3.328	3.715	2.885	4.161
8	TP5	3.383	2.637	3.332	2.989	2.485	3.434	3.545	3.489	3.389	3.763	2.905	4.110
9	TP6	4.039	2.567	3.341	3.111	2.458	3.490	3.412	3.340	3.244	3.751	2.976	4.087
10	TP7	3.387	3.020	3.174	3.466	2.439	3.461	3.485	3.009	3.969	3.713	3.034	4.106
11	TP8	3.614	2.828	3.354	3.164	2.476	3.500	3.418	3.518	3.318	3.717	2.852	4.136
12	TP9	3.498	2.636	3.350	3.170	2.652	3.540	3.498	3.167	3.240	3.653	2.860	3.966
13	TP10	4.379	2.662	3.254	3.991	2.488	3.504	3.462	3.327	3.066	3.512	3.820	4.070
14	Avg.	3.601	2.732	3.498	3.218	2.629	3.485	3.457	3.395	3.482	3.696	3.015	4.068
15	SD	0.342	0.153	0.383	0.305	0.302	0.047	0.089	0.190	0.319	0.072	0.294	0.084

	N	O	P
1	A13 factory settings	A14 factory settings	A15 factory settings
2	0.0222	0.0269	0.0224
3	0.021	0.024	0.019
4	3.750	3.154	3.827
5	3.831	3.326	3.612
6	3.628	3.052	3.575
7	3.752	3.275	4.121
8	3.869	3.186	3.684
9	3.474	3.128	3.716
10	4.077	3.299	3.656
11	3.717	3.149	3.58
12	3.552	3.059	3.609
13	3.605	2.783	3.477
14	3.726	3.141	3.686
15	0.174	0.157	0.179

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193610

Cell: F1
Comment: metrology1:
PM trigger
safety operates hard

Cell: L1
Comment: metrology1:
PM trigger

Cell: M1
Comment: metrology1:
PM trigger

Cell: O1
Comment: metrology1:
PM trigger

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	
2	Engagement 1	0.0200	0.0200	0.0198	0.0204	0.0204	0.0200	0.0202	0.0201	0.0201	0.0201	0.0200	0.0200	0.0202	0.0201
3	Engagement 2	0.0201	0.0199	0.0199	0.0204	0.0207	0.0200	0.0201	0.0201	0.0202	0.0201	0.0198	0.0201	0.0204	0.0201
4	Engagement 3	0.0201	0.0200	0.0199	0.0205	0.0207	0.0201	0.0202	0.0201	0.0203	0.0201	0.0198	0.0202	0.0204	0.0200
5	Average:	0.0201	0.0200	0.0199	0.0204	0.0206	0.0200	0.0202	0.0201	0.0202	0.0201	0.0199	0.0201	0.0203	0.0201
6	SD:	0.0001	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0000	0.0001	0.0000	0.0001	0.0001	0.0001	0.0001
7															
8	TMIS 1	0.003	0.004	0.005	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
9	TMIS 2	0.003	0.004	0.005	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
10	TMIS 3	0.003	0.004	0.005	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003
11	Average:	0.0030	0.0040	0.0050	0.0030	0.0030	0.0040	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0033	0.0030
12	SD:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
13	Overtravel	0.028	0.032	0.036	0.026	0.028	0.036	0.028	0.034	0.034	0.032	0.032	0.034	0.031	0.032
14	MIN														
15	Trigger Pull 1	2.445	2.512	2.466	2.545	2.531	2.483	2.550	2.754	2.601	2.526	2.541	2.634	2.588	2.466
16	Trigger Pull 2	2.592	2.591	2.516	2.645	2.573	2.592	2.707	2.618	2.439	2.492	2.489	2.513	2.520	2.583
17	Trigger Pull 3	2.538	2.561	2.485	2.458	2.577	2.691	2.590	2.670	2.522	2.499	2.555	2.608	2.504	2.577
18	Trigger Pull 4	2.577	2.585	2.510	2.565	2.543	2.712	2.552	2.568	2.693	2.526	2.601	2.472	2.588	2.542
19	Trigger Pull 5	2.515	2.563	2.535	2.479	2.582	2.620	2.609	2.523	2.482	2.581	2.580	2.550	2.510	2.533
20	Trigger Pull 6	2.431	2.631	2.532	2.525	2.504	2.693	2.558	2.602	2.645	2.561	2.534	2.496	2.596	2.676
21	Trigger Pull 7	2.571	2.635	2.747	2.471	2.693	2.626	2.600	2.569	2.551	2.571	2.588	2.516	2.546	2.466
22	Trigger Pull 8	2.543	2.597	2.504	2.605	2.520	2.659	2.504	2.651	2.607	2.482	2.542	2.640	2.449	2.564
23	Trigger Pull 9	2.577	2.564	2.523	2.560	2.545	2.651	2.553	2.672	2.648	2.583	2.593	2.494	2.533	2.597
24	Trigger Pull 10	2.531	2.539	2.515	2.605	2.526	2.634	2.593	2.640	2.580	2.482	2.543	2.588	2.533	2.558
25	Average:	2.532	2.578	2.533	2.546	2.559	2.636	2.582	2.627	2.577	2.530	2.557	2.551	2.537	2.556
26	SD:	0.055	0.038	0.078	0.063	0.054	0.065	0.054	0.066	0.079	0.041	0.034	0.062	0.046	0.062
27	MAX														
28	Trigger Pull 1	5.998	6.036	6.020	5.835	5.461	6.039	5.705	5.758	6.542	6.061	6.366	6.339	6.061	6.364
29	Trigger Pull 2	6.082	5.860	5.853	6.053	5.605	6.120	5.818	5.738	6.534	5.962	6.357	6.384	6.181	6.393
30	Trigger Pull 3	6.003	6.172	5.904	6.080	5.553	6.167	5.631	5.731	6.580	5.830	6.461	6.494	6.053	6.401
31	Trigger Pull 4	6.072	6.024	6.026	5.944	5.562	6.356	5.619	5.675	6.638	5.898	6.638	6.366	6.409	6.405
32	Trigger Pull 5	6.192	6.095	5.942	5.707	5.729	6.061	5.648	5.777	6.547	5.878	6.332	6.401	6.054	6.421
33	Trigger Pull 6	6.090	5.934	5.953	5.696	5.714	6.007	5.854	5.649	6.504	5.947	6.338	6.266	6.018	6.311
34	Trigger Pull 7	6.084	5.894	5.995	6.077	5.718	6.061	5.785	6.205	6.506	5.982	6.488	6.234	6.199	6.331
35	Trigger Pull 8	6.035	5.841	5.936	5.715	5.689	6.019	5.755	5.947	6.477	5.986	6.304	6.300	6.296	6.368
36	Trigger Pull 9	6.061	6.042	5.704	5.725	5.592	6.534	5.682	5.972	6.528	5.982	6.479	6.345	6.267	6.374
37	Trigger Pull 10	6.084	5.971	5.811	5.768	5.572	5.973	5.684	6.026	6.496	6.099	6.396	6.277	6.094	6.390
38	Average:	6.070	5.987	5.914	5.860	5.620	6.134	5.718	5.848	6.535	5.963	6.416	6.341	6.163	6.376
39	SD:	0.055	0.106	0.101	0.163	0.089	0.178	0.081	0.180	0.047	0.081	0.101	0.076	0.129	0.034
40	Test														
41	Trigger Pull 1	3.722	3.480	3.638	3.455	3.485	3.481	3.479	3.553	3.444	3.308	3.645	3.463	3.513	3.593
42	Trigger Pull 2	3.652	3.554	3.649	3.442	3.410	3.471	3.481	3.580	3.410	3.384	3.574	3.474	3.515	3.436
43	Trigger Pull 3	3.647	3.577	3.648	3.407	3.408	3.545	3.485	3.522	3.390	3.318	3.589	3.465	3.494	3.555
44	Trigger Pull 4	3.566	3.492	3.642	3.392	3.396	3.516	3.401	3.466	3.412	3.358	3.526	3.529	3.547	3.638

	P	Q	R	S	T	U
1	A15	A16	A17	A18	A19	A20
2	0.0206	0.0201	0.0201	0.0201	0.0205	0.0202
3	0.0206	0.0199	0.0200	0.0203	0.0207	0.0201
4	0.0207	0.0197	0.0200	0.0201	0.0204	0.0201
5	0.0206	0.0199	0.0200	0.0202	0.0205	0.0201
6	0.0001	0.0002	0.0001	0.0001	0.0002	0.0001
7						
8	0.004	0.003	0.003	0.006	0.003	0.003
9	0.004	0.003	0.003	0.006	0.003	0.003
10	0.004	0.003	0.003	0.006	0.003	0.003
11	0.0040	0.0030	0.0030	0.0060	0.0030	0.0030
12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	0.038	0.036	0.037	0.036	0.036	0.038
14						
15	2.488	2.520	2.569	2.483	2.524	2.597
16	2.445	2.469	2.580	2.506	2.510	2.570
17	2.511	2.432	2.657	2.521	2.535	2.626
18	2.560	2.515	2.541	2.475	2.575	2.593
19	2.496	2.542	2.605	2.541	2.528	2.612
20	2.578	2.572	2.614	2.526	2.541	2.598
21	2.468	2.549	2.550	2.549	2.623	2.587
22	2.610	2.575	2.536	2.516	2.628	2.621
23	2.450	2.518	2.553	2.559	2.544	2.591
24	2.544	2.485	2.573	2.436	2.559	2.679
25	2.515	2.518	2.578	2.511	2.557	2.607
26	0.056	0.045	0.038	0.038	0.041	0.030
27						
28	5.820	5.517	5.991	5.699	5.632	5.809
29	5.782	5.514	6.026	5.886	5.620	5.801
30	5.892	5.537	6.034	5.671	5.685	5.833
31	5.855	5.499	6.038	5.661	5.691	5.885
32	5.620	5.532	6.028	5.515	5.596	5.840
33	5.887	5.531	6.038	5.594	5.712	5.772
34	5.836	5.528	6.011	5.503	5.662	5.782
35	5.793	5.508	6.004	5.420	5.615	5.847
36	5.529	5.506	5.977	6.054	5.599	5.827
37	5.499	5.52	6.004	5.496	5.667	5.866
38	5.751	5.519	6.015	5.650	5.648	5.826
39	0.147	0.013	0.021	0.195	0.041	0.036
40						
41	3.527	3.023	3.712	3.437	3.693	3.401
42	3.550	3.080	3.678	3.490	3.736	3.455
43	3.610	3.069	3.695	3.488	3.709	3.444
44	3.570	3.100	3.709	3.404	3.747	3.428

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
45	Trigger Pull 5	3.484	3.455	3.695	3.390	3.428	3.512	3.477	3.525	3.434	3.347	3.498	3.493	3.467	3.620
46	Trigger Pull 6	3.597	3.485	3.577	3.484	3.382	3.565	3.423	3.536	3.480	3.416	3.557	3.531	3.488	3.553
47	Trigger Pull 7	3.618	3.519	3.640	3.378	3.322	3.462	3.555	3.485	3.423	3.256	3.499	3.562	3.536	3.551
48	Trigger Pull 8	3.601	3.511	3.636	3.374	3.345	3.404	3.480	3.572	3.482	3.374	3.467	3.489	3.497	3.518
49	Trigger Pull 9	3.601	3.575	3.669	3.480	3.346	3.520	3.447	3.506	3.537	3.336	3.503	3.412	3.621	3.618
50	Trigger Pull 10	3.577	3.607	3.717	3.477	3.256	3.445	3.453	3.510	3.436	3.324	3.510	3.569	3.580	3.545
51	Average:	3.607	3.526	3.651	3.426	3.378	3.492	3.468	3.526	3.445	3.342	3.537	3.499	3.526	3.563
52	SD:	0.062	0.050	0.038	0.042	0.064	0.049	0.042	0.036	0.044	0.045	0.054	0.049	0.047	0.059
53	Sear Lift				0.012	0.010				0.011	0.010				0.011

	P	Q	R	S	T	U
45	3.550	3.084	3.701	3.473	3.710	3.452
46	3.595	3.042	3.797	3.373	3.670	3.388
47	3.589	3.020	3.718	3.460	3.682	3.429
48	3.601	3.033	3.785	3.469	3.689	3.411
49	3.581	3.023	3.669	3.418	3.687	3.444
50	3.630	3.074	3.71	3.560	3.642	3.385
51	3.580	3.055	3.717	3.457	3.697	3.424
52	0.031	0.030	0.042	0.053	0.031	0.026
53	0.010				0.010	

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R 2193615

Cell: Q1

Comment: metrology1:
for dry cycle on receiver S7606985

Cell: R1

Comment: metrology1:
for dry cycle on receiver S7607332

Cell: S1

Comment: metrology1:
for dry cycle on receiver S7608698

Cell: T1

Comment: metrology1:
replaced XMP#12 in gun A12 at 500 rds when trigger broke. Gun A13 replaced gun A12 for endurance testing to 1000 rounds.

Cell: U1

Comment: metrology1:
for dry cycle on receiver S7607332 after XMP#17 trigger broke at 5000 cycles

	A	B	C	D	E	F	G	H	I	J
1	A1	A2	A3	A6	A7	A8	A11	A12	A13	
2	Engagement 1	0.0200	0.0211	0.0215	0.0204	0.0208	0.0210	0.0216	0.0226	0.0252
3	Engagement 2	0.0201	0.0213	0.0215	0.0204	0.0210	0.0210	0.0216	0.0227	0.0249
4	Engagement 3	0.0201	0.0212	0.0215	0.0206	0.0209	0.0210	0.0216	0.0225	0.0250
5	Average:	0.0201	0.0212	0.0215	0.0205	0.0209	0.0210	0.0216	0.0226	0.0250
6	SD:	0.0001	0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	0.0001	0.0002
7										
8	TMIS 1	0.003	0.007	0.005	0.003	0.004	0.003	0.005	0.004	0.010
9	TMIS 2	0.004	0.006	0.005	0.003	0.004	0.003	0.005	0.004	0.011
10	TMIS 3	0.003	0.006	0.005	0.003	0.004	0.003	0.004	0.004	0.010
11	Average:	0.0033	0.0063	0.0050	0.0030	0.0040	0.0030	0.0047	0.0040	0.0103
12	SD:	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000	0.0006
13	Test									
14	Trigger Pull 1	3.835	3.453	3.809	3.882	3.731	4.019	3.780		3.586
15	Trigger Pull 2	3.630	3.412	3.777	3.942	3.724	4.005	3.926		3.447
16	Trigger Pull 3	3.645	3.424	3.754	3.961	3.763	4.016	3.821		3.490
17	Trigger Pull 4	3.578	3.543	3.715	3.966	3.685	4.063	3.902		3.574
18	Trigger Pull 5	3.772	3.541	3.766	3.917	3.777	3.949	3.717		3.548
19	Trigger Pull 6	3.540	3.509	3.780	3.860	3.730	4.010	3.904		3.483
20	Trigger Pull 7	3.765	3.462	3.774	3.874	3.755	4.036	3.923		3.601
21	Trigger Pull 8	3.727	3.479	3.754	3.778	3.745	4.031	3.780		3.555
22	Trigger Pull 9	3.794	3.287	3.756	3.888	3.806	3.997	3.896		3.520
23	Trigger Pull 10	3.699	3.363	3.697	3.799	3.843	3.960	3.920		3.425
24	Average:	3.699	3.447	3.758	3.887	3.756	4.009	3.857		3.523
25	SD:	0.098	0.080	0.032	0.063	0.045	0.034	0.076		0.060
26	Sear Lift			0.010			0.011			

Cell: I1

Comment: metrology1:

Trigger accidentally broke after measuring engagement and TMIS, but before trigger pull. Trigger assembly 19 replaced trigger assembly 12 on this gun.

Cell: I14

Comment: metrology1:

Trigger accidentally broke after measuring engagement and TMIS, but before trigger pull. Trigger assembly 19 replaced trigger assembly 12 on this gun.

	A	B	C	D	E	F	G	H	I	J	K
1	A1	A2	A6	A7	A11	A13	A16	A17	A18	A20	
2	Engagement 1	0.0197	0.0214	0.0205	0.0201	0.0213	0.0252	0.0219	0.0206	0.0219	0.0207
3	Engagement 2	0.0196	0.0213	0.0203	0.0203	0.0215	0.0252	0.0216	0.0205	0.0219	0.0207
4	Engagement 3	0.0196	0.0214	0.0204	0.0203	0.0214	0.0251	0.0216	0.0202	0.0202	0.0210
5	Average:	0.0196	0.0214	0.0204	0.0202	0.0214	0.0252	0.0217	0.0204	0.0213	0.0208
6	SD:	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0010	0.0002
7											
8	TMIS 1	0.003	0.006	0.003	0.004	0.005	0.011	0.005	0.003	0.006	0.004
9	TMIS 2	0.003	0.006	0.003	0.004	0.005	0.011	0.005	0.003	0.006	0.003
10	TMIS 3	0.003	0.006	0.003	0.004	0.004	0.011	0.004	0.003	0.007	0.004
11	Average:	0.0030	0.0060	0.0030	0.0040	0.0047	0.0110	0.0047	0.0030	0.0063	0.0000
12	SD:	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000	0.0006	0.0000	0.0006	0.0007
13	Test										
14	Trigger Pull 1	4.255	3.318	4.032	3.858	3.989	3.683	3.513	3.798	3.89	3.422
15	Trigger Pull 2	4.234	3.288	3.965	3.805	4.037	3.845	3.833	4.009	3.929	3.239
16	Trigger Pull 3	4.158	3.248	3.933	3.645	3.966	3.669	3.666	3.84	3.803	3.254
17	Trigger Pull 4	4.172	3.385	3.989	3.863	4.142	3.750	3.578	3.793	3.817	3.331
18	Trigger Pull 5	4.196	3.383	4.044	3.737	4.077	3.622	3.667	3.708	3.749	3.264
19	Trigger Pull 6	4.199	3.379	3.956	3.717	4.075	3.611	3.713	3.866	3.867	3.286
20	Trigger Pull 7	4.164	3.338	3.944	3.785	4.039	3.569	3.704	3.781	3.853	3.24
21	Trigger Pull 8	4.213	3.364	3.917	3.749	3.985	3.648	3.689	3.759	3.804	3.242
22	Trigger Pull 9	4.121	3.328	3.843	3.636	4.048	3.597	3.635	3.768	3.828	3.22
23	Trigger Pull 10	4.175	3.295	3.907	3.871	3.989	3.691	3.626	3.745	3.815	3.235
24	Average:	4.189	3.333	3.953	3.767	4.035	3.669	3.662	3.807	3.836	3.273
25	SD:	0.039	0.046	0.060	0.086	0.054	0.081	0.085	0.084	0.051	0.061
26	Sear Lift		0.012		0.012		0.010				

Cell: H1
Comment: metrology1:
for dry cycle on receiver S7606985

Cell: I1
Comment: metrology1:
for dry cycle on receiver S7607332

Cell: J1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: K1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193620

	A	B	C	D
1		A1	A6	A11
2	Engagement 1	0.0197	0.0203	0.0218
3	Engagement 2	0.0196	0.0204	0.0216
4	Engagement 3	0.0195	0.0203	0.0215
5	Average:	0.0196	0.0203	0.0216
6	SD:	0.0001	0.0001	0.0002
7				
8	TMIS 1	0.004	0.003	0.005
9	TMIS 2	0.004	0.003	0.005
10	TMIS 3	0.004	0.003	0.005
11	Average:	0.0040	0.0030	0.0050
12	SD:	0.0000	0.0000	0.0000
13	Test			
14	Trigger Pull 1	4.346	3.985	3.736
15	Trigger Pull 2	4.364	4.061	3.663
16	Trigger Pull 3	4.276	4.069	3.820
17	Trigger Pull 4	4.384	3.923	3.828
18	Trigger Pull 5	4.295	3.882	3.864
19	Trigger Pull 6	4.218	4.01	3.775
20	Trigger Pull 7	4.263	3.934	3.846
21	Trigger Pull 8	4.279	3.858	3.716
22	Trigger Pull 9	4.249	3.88	3.676
23	Trigger Pull 10	4.296	3.949	3.684
24	Average:	4.297	3.955	3.761
25	SD:	0.053	0.075	0.076

	A	B	C	D	E	F	G	H	I
1	A1	A6	A11	A16	A17	A18	A20	A20 unable to collect data due to computer malfunction	
2	Engagement 1	0.0205	0.0204	0.0215	0.0202	0.0192	0.0203		
3	Engagement 2	0.0203	0.0204	0.0214	0.0204	0.0199	0.0195		
4	Engagement 3	0.0202	0.0203	0.0214	0.0208	0.0197	0.0193		
5	Average:	0.0203	0.0204	0.0214	0.0205	0.0196	0.0197	#DIV/0!	
6	SD:	0.0002	0.0001	0.0001	0.0003	0.0004	0.0005	#DIV/0!	
7									
8	TMIS 1	0.004	0.003	0.006	0.005	0.005	0.007		
9	TMIS 2	0.004	0.003	0.005	0.004	0.004	0.007		
10	TMIS 3	0.004	0.003	0.006	0.004	0.004	0.007		
11	Average:	0.0040	0.0030	0.0057	0.0043	0.0043	0.0070	#DIV/0!	
12	SD:	0.0000	0.0000	0.0006	0.0006	0.0006	0.0000	#DIV/0!	
13	Test								
14	Trigger Pull 1	3.923	4.058	3.478	3.538	3.635	3.653		
15	Trigger Pull 2	4.024	4.115	3.464	3.715	3.52	3.661		
16	Trigger Pull 3	4.127	3.968	3.469	3.631	3.541	3.619		
17	Trigger Pull 4	4.072	4.088	3.420	3.556	3.531	3.673		
18	Trigger Pull 5	4.069	3.989	3.515	3.601	3.418	3.626		
19	Trigger Pull 6	4.107	4.045	3.472	3.447	3.48	3.584		
20	Trigger Pull 7	3.927	4.047	3.493	3.66	3.434	3.597		
21	Trigger Pull 8	4.17	4.043	3.578	3.523	3.571	3.639		
22	Trigger Pull 9	3.949	4.076	3.467	3.595	3.569	3.631		
23	Trigger Pull 10	3.986	4.112	3.504	3.57	3.501	3.656		
24	Average:	4.035	4.054	3.486	3.584	3.520	3.634	#DIV/0!	
25	SD:	0.087	0.048	0.041	0.075	0.065	0.028	#DIV/0!	
26	Sear Lift	0.010	0.011	0.012					

Cell: E1

Comment: metrology1:
for dry cycle on receiver S7606985

Cell: F1

Comment: metrology1:
for dry cycle on receiver S7607332

Cell: G1

Comment: metrology1:
for dry cycle on receiver S7608698

Cell: H1

Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193623

	A	B	C	D	E	F
1		A16	A17	A18	A20	A20 unable to collect data due to computer malfunction
2	Engagement 1	0.0221	0.0194	0.0220		
3	Engagement 2	0.0219	0.0195	0.0220		
4	Engagement 3	0.0220	0.0200	0.0219		
5	Average:	0.0220	0.0196	0.0220	#DIV/0!	
6	SD:	0.0001	0.0003	0.0001	#DIV/0!	
7						
8	TMIS 1	0.004	0.004	0.007		
9	TMIS 2	0.003	0.004	0.006		
10	TMIS 3	0.003	0.004	0.007		
11	Average:	0.0033	0.0040	0.0067	#DIV/0!	
12	SD:	0.0006	0.0000	0.0006	#DIV/0!	
13	Test					
14	Trigger Pull 1	3.304	3.173	3.574		
15	Trigger Pull 2	3.206	3.057	3.657		
16	Trigger Pull 3	3.196	3.097	3.588		
17	Trigger Pull 4	3.239	3.045	3.552		
18	Trigger Pull 5	3.245	3.159	3.570		
19	Trigger Pull 6	3.307	3.107	3.648		
20	Trigger Pull 7	3.319	3.146	3.648		
21	Trigger Pull 8	3.314	3.282	3.627		
22	Trigger Pull 9	3.186	3.147	3.642		
23	Trigger Pull 10	3.291	3.396	3.682		
24	Average:	3.261	3.161	3.619	#DIV/0!	
25	SD:	0.052	0.106	0.044	#DIV/0!	

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7606985

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7607332

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: E1
Comment: metrology1:
for dry cycle on receiver S7608698

	A	B	C	D	E
1	A16	A17	A18	A20	
2	Engagement 1	0.0220	0.0204	0.0218	0.0212
3	Engagement 2	0.0221	0.0205	0.0219	0.0212
4	Engagement 3	0.0222	0.0204	0.0218	0.0211
5	Average:	0.0221	0.0204	0.0218	0.0212
6	SD:	0.0001	0.0001	0.0001	0.0001
7					
8	TMIS 1	0.004	0.005	0.004	0.005
9	TMIS 2	0.004	0.005	0.004	0.004
10	TMIS 3	0.004	0.005	0.004	0.004
11	Average:	0.0040	0.0050	0.0040	0.0043
12	SD:	0.0000	0.0000	0.0000	0.0006
13	Test				
14	Trigger Pull 1	3.227	3.453	3.682	3.4
15	Trigger Pull 2	3.228	3.439	3.703	3.376
16	Trigger Pull 3	3.134	3.328	3.561	3.22
17	Trigger Pull 4	3.231	3.346	3.578	3.403
18	Trigger Pull 5	3.167	3.353	3.603	3.316
19	Trigger Pull 6	3.139	3.358	3.681	3.248
20	Trigger Pull 7	3.188	3.376	3.576	3.381
21	Trigger Pull 8	3.185	3.433	3.669	3.296
22	Trigger Pull 9	3.228	3.445	3.532	3.331
23	Trigger Pull 10	3.191	3.426	3.612	3.226
24	Average:	3.192	3.396	3.620	3.320
25	SD:	0.037	0.048	0.060	0.071

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7606985

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7607332

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: E1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193627

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0219	0.0217	0.0216
3	Engagement 2	0.0216	0.0220	0.0213
4	Engagement 3	0.0214	0.0220	0.0212
5	Average:	0.0216	0.0219	0.0214
6	SD:	0.0003	0.0002	0.0002
7				
8	TMIS 1	0.003	0.008	0.004
9	TMIS 2	0.003	0.008	0.004
10	TMIS 3	0.003	0.009	0.004
11	Average:	0.0030	0.0083	0.0040
12	SD:	0.0000	0.0006	0.0000
13	Test			
14	Trigger Pull 1	3.189	3.507	3.12
15	Trigger Pull 2	3.185	3.539	3.186
16	Trigger Pull 3	3.255	3.4	3.133
17	Trigger Pull 4	3.278	3.401	3.196
18	Trigger Pull 5	3.235	3.486	3.218
19	Trigger Pull 6	3.264	3.409	3.164
20	Trigger Pull 7	3.278	3.425	3.174
21	Trigger Pull 8	3.384	3.454	3.007
22	Trigger Pull 9	3.421	3.435	3.062
23	Trigger Pull 10	3.209	3.402	3.083
24	Average:	3.270	3.446	3.134
25	SD:	0.078	0.049	0.067

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0219	0.0222	0.0211
3	Engagement 2	0.0218	0.0222	0.0211
4	Engagement 3	0.0217	0.0222	0.0210
5	Average:	0.0218	0.0222	0.0211
6	SD:	0.0001	0.0000	0.0001
7				
8	TMIS 1	0.005	0.009	0.005
9	TMIS 2	0.004	0.009	0.004
10	TMIS 3	0.004	0.009	0.005
11	Average:	0.0043	0.0090	0.0047
12	SD:	0.0006	0.0000	0.0006
13	Test			
14	Trigger Pull 1	3.141	3.608	3.236
15	Trigger Pull 2	2.896	3.555	3.246
16	Trigger Pull 3	2.845	3.553	3.391
17	Trigger Pull 4	2.948	3.558	3.185
18	Trigger Pull 5	2.95	3.56	3.241
19	Trigger Pull 6	2.92	3.572	3.223
20	Trigger Pull 7	2.899	3.615	3.269
21	Trigger Pull 8	2.953	3.585	3.241
22	Trigger Pull 9	2.903	3.573	3.212
23	Trigger Pull 10	2.874	3.559	3.345
24	Average:	2.933	3.574	3.259
25	SD:	0.081	0.022	0.063

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193631

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0214	0.0223	0.0221
3	Engagement 2	0.0213	0.0221	0.0202
4	Engagement 3	0.0213	0.0219	0.0222
5	Average:	0.0213	0.0221	0.0215
6	SD:	0.0001	0.0002	0.0011
7				
8	TMIS 1	0.004	0.009	0.004
9	TMIS 2	0.004	0.009	0.004
10	TMIS 3	0.004	0.010	0.005
11	Average:	0.0040	0.0093	0.0043
12	SD:	0.0000	0.0006	0.0006
13	Test			
14	Trigger Pull 1	2.988	3.414	3.092
15	Trigger Pull 2	2.999	3.408	3.197
16	Trigger Pull 3	2.871	3.353	3.134
17	Trigger Pull 4	2.838	3.351	3.124
18	Trigger Pull 5	2.838	3.439	3.164
19	Trigger Pull 6	2.951	3.442	3.159
20	Trigger Pull 7	2.999	3.369	3.189
21	Trigger Pull 8	3.004	3.389	3.142
22	Trigger Pull 9	2.926	3.372	3.166
23	Trigger Pull 10	2.973	3.471	3.149
24	Average:	2.939	3.401	3.152
25	SD:	0.067	0.041	0.031

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193633

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0215	0.0219	0.0219
3	Engagement 2	0.0212	0.0218	0.0219
4	Engagement 3	0.0213	0.0217	0.0217
5	Average:	0.0213	0.0218	0.0218
6	SD:	0.0002	0.0001	0.0001
7				
8	TMIS 1	0.004	0.009	0.005
9	TMIS 2	0.004	0.008	0.004
10	TMIS 3	0.004	0.009	0.004
11	Average:	0.0040	0.0087	0.0043
12	SD:	0.0000	0.0006	0.0006
13	Test			
14	Trigger Pull 1	3.101	3.524	3.279
15	Trigger Pull 2	3.023	3.481	3.218
16	Trigger Pull 3	2.953	3.477	3.200
17	Trigger Pull 4	3.009	3.446	3.254
18	Trigger Pull 5	2.982	3.591	3.231
19	Trigger Pull 6	3.009	3.463	3.253
20	Trigger Pull 7	2.980	3.309	3.337
21	Trigger Pull 8	2.985	3.493	3.265
22	Trigger Pull 9	3.020	3.500	3.296
23	Trigger Pull 10	2.988	3.436	3.297
24	Average:	3.005	3.472	3.263
25	SD:	0.040	0.072	0.041

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193635

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0219	0.0220	0.0219
3	Engagement 2	0.0219	0.0222	0.0217
4	Engagement 3	0.0218	0.0220	0.0216
5	Average:	0.0219	0.0221	0.0217
6	SD:	0.0001	0.0001	0.0002
7				
8	TMIS 1	0.005	0.009	0.005
9	TMIS 2	0.004	0.009	0.005
10	TMIS 3	0.004	0.009	0.005
11	Average:	0.0043	0.0090	0.0050
12	SD:	0.0006	0.0000	0.0000
13	Test			
14	Trigger Pull 1	3.32	3.487	3.324
15	Trigger Pull 2	3.324	3.442	3.399
16	Trigger Pull 3	3.358	3.413	3.449
17	Trigger Pull 4	3.204	3.439	3.427
18	Trigger Pull 5	3.255	3.414	3.602
19	Trigger Pull 6	3.166	3.414	3.453
20	Trigger Pull 7	3.258	3.387	3.466
21	Trigger Pull 8	3.308	3.447	3.38
22	Trigger Pull 9	3.253	3.479	3.629
23	Trigger Pull 10	3.295	3.484	3.68
24	Average:	3.274	3.441	3.481
25	SD:	0.059	0.034	0.117

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193637

	A	B	C	D
1		A16	A18	A20
2	Engagement 1	0.0215	0.0213	0.0217
3	Engagement 2	0.0213	0.0212	0.0216
4	Engagement 3	0.0214	0.0215	0.0217
5	Average:	0.0214	0.0213	0.0217
6	SD:	0.0001	0.0002	0.0001
7				
8	TMIS 1	0.005	0.005	0.005
9	TMIS 2	0.004	0.004	0.006
10	TMIS 3	0.005	0.004	0.005
11	Average:	0.0047	0.0043	0.0055
12	SD:	0.0006	0.0006	0.0005
13	Test			
14	Trigger Pull 1	3.344	3.542	3.502
15	Trigger Pull 2	3.255	3.598	3.53
16	Trigger Pull 3	3.286	3.56	3.433
17	Trigger Pull 4	3.251	3.561	3.499
18	Trigger Pull 5	3.196	3.373	3.584
19	Trigger Pull 6	3.214	3.509	3.516
20	Trigger Pull 7	3.186	3.485	3.504
21	Trigger Pull 8	3.185	3.511	3.61
22	Trigger Pull 9	3.207	3.453	3.493
23	Trigger Pull 10	3.133	3.42	3.59
24	Average:	3.226	3.501	3.526
25	SD:	0.060	0.070	0.054

Cell: B1
Comment: metrology1:
for dry cycle on receiver S7608685

Cell: C1
Comment: metrology1:
for dry cycle on receiver S7608698

Cell: D1
Comment: metrology1:
for dry cycle on receiver S7608698

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

R 2193639