

RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 7

4-22-83

		1	2	3	4	5	6	FLS
	DWG. DIMENSIONS			GOOD GUNS		BAD GUNS		
				760256B	760252S	7602529	7602593	
1	1.1640 - 1.670			1.710	1.710	1.715	1.673	
2	2 .015 - .018			.015	.017	.014	.015	
3	3 13° REF.L.			13°	13°	13°	13°	
4	4 .245 - .255			.240	.200	.230	.215	
5	5 1.985 - 1.995			2.005	2.010	2.020	2.015	
6	6 .015 - .018			.016	.017	.022	.015	
7	7 .755 - .765			.900	.895	.870	.900	
8	8 .020 R			.005 R	.005 R	.005 R	.005 R	
9	9 32			✓	✓	✓	✓	
10	10 .055 - .065			.078	.060	.060	.070	
11	11 30°			30°	30°	30°	30°	
12								
13	12							
14	13							
15	14 4.415 - 4.420			4.418	4.420	4.418	4.418	
16	15 3/16" TYP.			NONE	NONE	NONE	NONE	
17	16 .535 - .545			.546	.545	.548	.546	
18	17 .968 - .978			.969	.970	.970	.971	
19	18 .150 R TYP			.150 R	.150 R	.150 R	.150 R	
20	19 .072 gauge			.072	.072	.072	.072	
21	20 2.936 - 2.944			2.938	2.943	2.943	2.943	
22	21 1/8 R			1/8 R	1/8 R	1/8 R	1/8 R	
23	21a .030 R MAX			.030 R	.030 R	.030 R	.025 R	
24	22 .835 - .845			.851	.850	.851	.849	
25	23							
26	24 37°			37°	37°	37°	37°	
27	25 .282 - .288			.288	.288	.289	.286	
28	25a .282 - .288			.288	.288	.289	.286	
29	26 .116 - .124			.121	.118	.118	.121	
30	27 .263 - .265			.265	.264	.264	.264	
31	28 .700 - .703			.700	.700	.700	.700	
32	29 .449 - .452			.451	.451	.450	.451	
33	30 .015 - .025			.025	.018	.020	.022	
34	31 30°			30°	30°	30°	30°	
35	32 .025 R			.005 R	.005 R	.005 R	.005 R	
36	33 ROUND OFF SHARP CORNERS			SHARP	SHARP	SHARP	SHARP	
37	34 45°			45°	45°	45°	45°	
38	35 .624 - .634			.630	.630	.630	.630	
39	36 ± .004 - .004			± .002 - .004	± .001 - .003	± .005 - .001	± .003 - .002	
40	37 46° 18'			OK	OK	OK	OK	
41	38 23° 9'			OK	OK	OK	OK	

STOH	FTD	Block	Stack	S. Right	S. Low	S. High
	11	1411	1	1411	111	
			9 2 4 4 5 3 2 9 6 4 3 5 9	2 3 4 3 5 5 4 5 2 2	1 1	
			(15)	(51)	(1)	(2)
			129	49		131 12 119
			5			
					(115)	

RECEIVER MEASUREMENTS

821321

MODEL 700 B01

4-22-83

FLS

		1	2	3	4	5	6	
		B6358300	B6257093	B6256522	B6256211	B6256482	B6294947	
1	1	.1725	.1725	.1725	.1720	.1720	.1720	1
2	2	.13°	.13°	.13°	.12°	.13°	.13°	2
3	3	.250	.250	.250	.250	.250	.250	3
4	4	.250	.250	.250	.250	.250	.250	4
5	5	.250	.250	.250	.250	.250	.250	5
6	6	.250	.250	.250	.250	.250	.250	6
7	7	.250	.250	.250	.250	.250	.250	7
8	8	.250	.250	.250	.250	.250	.250	8
9	9	.250	.250	.250	.250	.250	.250	9
10	10	.060	.060	.060	.060	.060	.060	10
11	11	.30°	.30°	.30°	.30°	.30°	.30°	11
12	12	.281	.281	.281	.281	.281	.281	12
13	13	.167	.167	.167	.167	.167	.168	13
14	13a	.167	.167	.167	.167	.167	.168	14
15	14	.4530	.4530	.4530	.4531	.4530	.4534	15
16		.540	.545	.545	.544	.543	.542	16
17	15	.970	.970	.975	.970	.970	.970	17
18	16	.185	.190	.190	.190	.190	.180	18
19	17	.072	.072	.072	.072	.072	.072	19
20	18	2.939	2.938	2.944	2.940	2.940	2.942	20
21	19	.185	.190	.190	.190	.190	.180	21
22	20	.4530	.4530	.4530	.4531	.4530	.4534	22
23	21	.37°	.37°	.37°	.37°	.37°	.37°	23
24	22	.283	.287	.283	.287	.287	.282	24
25	23	.283	.287	.283	.287	.287	.282	25
26	24	.062	.061	.060	.060	.061	.061	26
27	25	.280	.280	.280	.280	.280	.280	27
28	26a	.702	.702	.702	.702	.702	.702	28
29	27	.451	.450	.451	.451	.450	.449	29
30	28	.023	.025	.025	.023	.020	.015	30
31	29	.20°	.20°	.20°	.20°	.20°	.20°	31
32	30	.005	.005	.005	.005	.005	.005	32
33	31	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP	33
34	32	OK	OK	OK	OK	OK	OK	34
35	33	+.001	+.006	+.001	+.006	+.003	+.002	35
36	34	-.004	+.000	-.002	-.002	-.000	-.004	36

RECEIVER MEASUREMENTS							
M 700 B71							
821321							
4-22-83							
FLS							
		1	2	3	4	5	6
	DWG. DIMENSIONS	B 6359318	B 6359645	B 6257234	B 6292952	B 6256507	B 6295104
1	1 1.700 - 1.730				1.700		
2	2 .015 - .018				.015		.015
3	3 13° REF. L	13°	13°	13°	13°	13°	13°
4	4 .245 - .255		.235	.275	.280	.274	.270
5	5 2.045 - 2.055		2.060	2.080		2.084	2.065
6	6						
7	7 .695 - .705		.705	.713		.708	.708
8	8 .020 R		.012	.0251			.025
9	9 32						
10	10 .055 - .065	.062	.058			.058	.065
11	11 30°	30°	30°	30°	30°	30°	30°
12	12 .281 TYP	.281	.281	.281	.281	.281	.281
13	13 .163 - .173	.170	.1695	.1695	.165	.166	.170
14	14 .163 - .173	.170	.1695	.1695	.165	.166	.170
15	14 4.4075 - 4.4175			4.435	4.432		4.538
16	16						
17	15 76 R TYP						
18	16 .535 - .545	.543	.538	.545	.540	.543	.537
19	17 .968 - .978	.973	.975	.970	.968	.970	
20	18 .180 - .205 R	.200	.200	.185	.190	.190	.190
21	19 .072 gauge	.072	.072	.072	.072	.072	.072
22	20 2.936 - 2.944	2.944	2.943		2.936	2.941	2.945
23	21 .180 - .205 R	.200	.200	.185	.190	.190	.190
24	22 .835 - .845			.858		.858	.840
25	23 4.530 - 4.535		4.534	4.535	4.532	4.533	4.533
26	24 37°	37°	37°	37°	37°	37°	37°
27	25 .282 - .288	.285	.289	.283	.289	.282	.287
28	25 .282 - .288	.285	.289	.283	.289	.282	.287
29	26 .055 - .063	.061	.060	.060	.061	.062	.055
30	27 .278 - .280 R	.280	.280	.280	.280	.280	.280
31	28 .700 - .703	.700	.702	.702	.702	.702	.702
32	29 .449 - .452	.449		.449	.475	.452	.450
33	30 .015 - .025	.018		.020	.020	.025	.025
34	31 20°	20°	20°	20°	20°	20°	20°
35	32 .025 R	.020	.010	.010	.005	.005	.005
36	33 ROUND OF SHARP CORNERS	OK	SHARP	SHARP	SHARP	SHARP	SHARP
37	34 STRAIGHT & PARALLEL	OK	OK	OK	OK	OK	OK
38	35						
39	36 ± .004		+ .001	+ .004		- .002	+ .000
40	36 ± .004	- .002	- .002	+ .003	+ .004	+ .001	- .001

KEC RIVER MEASUREMENTS

821321

MODEL 700 BDL

4-22-82

FLS

		1	2	3	4	5	6
		86256201	86256200	86293064	86256269	86256832	86256163
1	1						
2	2	.015	.015				
3	3	13°	13°	13°	13°	13°	13°
4	4						
5	5						25.080
6	6						
7	7						6820
8	8						005.14
9	9						
10	10	.060	.061				.060
11	11	30°	30°	30°	30°	30°	30°
12	12	.281	.281	.281	.281	.281	.281
13	13		.169	.166	.170	.170	
14	13a		.169	.166	.170	.170	
15	14						4.532
16							
17	15						
18	16	.544		.540	.543	.540	
19	17	.976	.976		.978	.975	
20	18	.195	.180	.180	.180	.190	.190
21	19	.072	.072	.072	.072	.072	.072
22	20	2.943	2.942	2.938	2.940	2.940	2.944
23	21	.195	.180	.180	.180	.190	.190
24	22	.856		.845		.850	
25	23		4.532	4.533	4.532		4.532
26	24	37°	37°	37°	37°	37°	37°
27	25	.284	.287	.286	.286	.288	
28	25a	.284	.287	.286	.286	.288	
29	26	.062	.062	.061	.061	.063	.061
30	27	.280	.280	.280	.280	.280	.280
31	28	.702	.702	.702	.702	.702	.702
32	29	.451	.451	.450	.451	.450	.450
33	30	.030	.030	.030	.030	.025	.030
34	31	20°	20°	20°	20°	20°	20°
35	32	.005	.005	.005	.005	.005	.005
36	33	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP
37	34	OK	OK	OK	OK	OK	OK
38	35						
39	36	+ .000	+ .001	+ .000	+ .001	+ .002	+ .003
40		+ .003	+ .005	+ .002	+ .003	+ .003	+ .004

		1	2	3	4	5	6
		B6257240	B6257173	B6256211			
1	1	.730	[REDACTED]	[REDACTED]			1
2	2	[REDACTED]	.015	[REDACTED]			2
3	3	13°	13°	13°			3
4	4	[REDACTED]	[REDACTED]	[REDACTED]			4
5	5	[REDACTED]	2.050	[REDACTED]			5
6	6	[REDACTED]	[REDACTED]	[REDACTED]			6
7	7	[REDACTED]	[REDACTED]	[REDACTED]			7
8	8	[REDACTED]	[REDACTED]	[REDACTED]			8
9	9	[REDACTED]	[REDACTED]	[REDACTED]			9
10	10	[REDACTED]	[REDACTED]	[REDACTED]			10
11	11	30°	30°	30°			11
12	12	.281	.281	.281			12
13	13	.169	.170	.163			13
14	13a	.169	.170	.163			14
15	14	[REDACTED]	[REDACTED]	[REDACTED]			15
16		[REDACTED]	[REDACTED]	[REDACTED]			16
17	15	[REDACTED]	[REDACTED]	[REDACTED]			17
18	16	.545	.540	.540			18
19	17	.976	.973	.970			19
20	18	.190	.190	.190			20
21	19	.072	.072	.072			21
22	20	2.943	2.943	2.942			22
23	21	.190	.190	.190			23
24	22	[REDACTED]	[REDACTED]	[REDACTED]			24
25	23	4.533	[REDACTED]	4.530			25
26	24	37°	37°	37°			26
27	25	[REDACTED]	.287	[REDACTED]			27
28	25a	[REDACTED]	.287	[REDACTED]			28
29	26	.063	.061	.061			29
30	27	.280	[REDACTED]	.280			30
31	28	.702	.702	.702			31
32	29	.450	.450	.450			32
33	30	.025	.025	[REDACTED]			33
34	31	20°	20°	20°			34
35	32	[REDACTED]	[REDACTED]	[REDACTED]			35
36	33	[REDACTED]	[REDACTED]	[REDACTED]			36
37	34	OK	OK	OK			37
38	35						38
39	36	+1.002	-1.004	[REDACTED]			39
40		+1.002	[REDACTED]	[REDACTED]			40

.222 CALIBER MODEL 7, MODEL 700 ADL & BOL

①

RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 7

4-22-83

	DWA. DIMENSIONS	FLS			
		1	2	3	4
		GOOD GUNS		BAD GUNS	
		760256B	760252S	7602529	7602593
					x
1	1. 1.640 - 1.670	1.700	1.700	1.700	1.673
2	2 .015 - .018	.015	.017	.015	.015
3	3 13° REF. L.	13°	13°	13°	13°
4	4 .245 - .255	.240	.240	.240	.245
5	5 1.985 - 1.995	2.000	2.000	2.000	2.000
6	6 .015 - .018	.016	.017	.015	.015
7	7 .755 - .765	.760	.760	.760	.760
8	8 .020 R	.020	.020	.020	.020
9	9 32	32	32	32	32
10	10 .055 - .065	.060	.060	.060	.060
11	11 30°	30°	30°	30°	30°
12					
13	12				
14	13				
15	14 4.415 - 4.420	4.418	4.420	4.418	4.418
16	15 3/16 R TYP.	3/16 R	3/16 R	3/16 R	3/16 R
17	16 .535 - .545	.546	.545	.548	.546
18	17 .968 - .978	.969	.970	.970	.971
19	18 .150 R TYP	.150 R	.150 R	.150 R	.150 R
20	19 .072 gauge	.072	.072	.072	.072
21	20 2.936 - 2.944	2.938	2.943	2.943	2.943
22	21 1/8 R	1/8 R	1/8 R	1/8 R	1/8 R
23	22 .030 R MAX.	.030 R	.030 R	.030 R	.025 R
24	23 .835 - .845	.851	.850	.851	.849
25	24 37°	37°	37°	37°	37°
26	25 .282 - .288	.288	.288	.287	.286
27	26 .282 - .288	.288	.288	.289	.286
28	27 .116 - .124	.121	.118	.118	.121
29	28 .263 - .265	.265	.264	.264	.264
30	29 .700 - .703	.700	.700	.700	.700
31	30 .449 - .452	.451	.451	.450	.451
32	31 .015 - .025	.025	.018	.020	.022
33	32 30°	30°	30°	30°	30°
34	33 .025 R	.025 R	.025 R	.025 R	.025 R
35	34 ROUND OFF SHARP CORNERS	SHARP	SHARP	SHARP	SHARP
36	35 45°	45°	45°	45°	45°
37	36 .624 - .634	.630	.630	.630	.630
38	37 ±.004 ±.005	±.002 ±.004	±.001 ±.003	±.001 ±.001	±.005 ±.002
39	38 46° 18'	OK	OK	OK	OK
40	39 77° 01'	OK	OK	OK	OK

RECEIVER MEASUREMENTS

621321

MODEL 700 B01

4-22-83

FLS

		1	2	3	4	5	6	
		66358300	86257093	86256522	86256211	86256482	86294947	
1	1	.810	.725	1.770	1.720	1.790	1.720	1
2	2	.013	.014	.014	.014	.013	.013	2
3	3	13°	13°	13°	13°	13°	13°	3
4	4	.250	.350	.305	.360	.305	.350	4
5	5	2.060	2.075	2.075	2.080	2.095	2.070	5
6	6							6
7	7	.805	.828	.840	.840	.815	.830	7
8	8	.005	.005	.005	.005	.005	.005	8
9	9	63	63	63	63	63	63	9
10	10	.060	.080	.074	.072	.060	.080	10
11	11	30°	30°	30°	30°	30°	30°	11
12	12	.281	.281	.281	.281	.281	.281	12
13	13	.167	.167	.167	.162	.167	.168	13
14	13a	.167	.167	.167	.162	.167	.168	14
15	14	4.530	4.529	4.530	4.531	4.530	4.534	15
16								16
17	15	NONE	NONE	NONE	NONE	NONE	NONE	17
18	16	.540	.545	.545	.544	.543	.542	18
19	17	.970	.970	.975	.970	.960	.970	19
20	18	.185	.190	.190	.190	.190	.180	20
21	19	.072	.072	.072	.072	.072	.072	21
22	20	2.939	2.938	2.944	2.940	2.946	2.942	22
23	21	.185	.190	.190	.190	.190	.180	23
24	22	.855	.855	.847	.850	.850	.848	24
25	23	4.530	4.529	4.530	4.531	4.530	4.534	25
26	24	37°	37°	37°	37°	37°	37°	26
27	25	.283	.287	.293	.293	.287	.282	27
28	26a	.283	.287	.293	.293	.287	.282	28
29	26	.062	.061	.060	.060	.061	.061	29
30	27	.280	.280	.280	.280	.280	.280	30
31	28	.702	.702	.702	.702	.702	.702	31
32	29	.451	.450	.451	.451	.450	.449	32
33	30	.023	.025	.025	.033	.020	.015	33
34	31	20°	20°	20°	20°	20°	20°	34
35	32	.005	.005	.005	.005	.005	.005	35
36	33	SHARP	SHARP	SHARP	SHARP	SHARP	SHARP	36
37	34	OK	OK	OK	OK	OK	OK	37
38	35							38
39	36	+1.001	-1.006	+1.001	+1.006	+1.003	+1.002	39
40		-1.004	+1.000	-1.002	-1.019	-1.000	-1.004	40

RECEIVER MEASUREMENTS

821321

M 700 BDI

4-22-83

FLC

		1	2	3	4	5	6
	DWG DIMENSIONS	B 6359318	B 6359645	B 6257234	B 6292952	B 6256507	B 6295104
	↓						
1	1 1.700 - 1.730	1.770	1.870	1.800	1.700	1.800	1.755
2	2 .015 - .018	.014	.014	.012	.015	.014	.015
3	3 13° REF. L	13°	13°	13°	13°	13°	13°
4	4 .245 - .255	.260	.235	.275	.380	.274	.310
5	5 2.045 - 2.055	2.080	2.067	2.080	2.095	2.084	2.065
6	6						
7	7 .695 - .705	.790	.785	.785	.790	.800	.780
8	8 .020 R	.010	.010	.005	.005	.005	.005
9	9 32	43	43	43	43	43	43
10	10 .055 - .065	.062	.058	.072	.085	.058	.065
11	11 30°	30°	30°	30°	30°	30°	30°
12	12 .281 TYP	.281	.281	.281	.281	.281	.281
13	13 .163 - .173	.170	.1695	.1695	.165	.166	.170
14	13a .163 - .173	.170	.1695	.1695	.165	.166	.170
15	14 4.4075 - 4.4175	4.539	4.534	4.535	4.532	4.533	4.533
16	16						
17	15 7/16 R TYP	NONE	NONE	NONE	NONE	NONE	NONE
18	16 .535 - .545	.543	.533	.545	.540	.543	.537
19	17 .968 - .978	.973	.975	.970	.968	.970	.967
20	18 .180 - .205 R	.200	.200	.185	.190	.190	.190
21	19 .072 gauge	.072	.072	.072	.072	.072	.072
22	20 2.936 - 2.944	2.944	2.943	2.948	2.936	2.941	2.945
23	21 .180 - .205 R	.200	.200	.185	.190	.190	.190
24	22 .835 - .845	.850	.848	.858	.847	.850	.840
25	23 4.530 - 4.535	4.539	4.534	4.535	4.532	4.533	4.533
26	24 37°	36°	36°	36°	36.5°	37°	37°
27	25 .282 - .288	.285	.289	.283	.289	.282	.287
28	25a .282 - .288	.285	.289	.283	.289	.282	.287
29	26 .055 - .063	.061	.060	.060	.061	.062	.055
30	27 .278 - .280 R	.280	.280	.280	.280	.280	.280
31	28 .700 - .703	.700	.702	.702	.702	.702	.702
32	29 .449 - .452	.449	.450	.451	.445	.452	.450
33	30 .015 - .025	.018	.030	.030	.020	.025	.025
34	31 20°	20°	20°	20°	20°	20°	20°
35	32 .025 R	.020	.010	.010	.005	.005	.005
36	33 ROUND OF SHARP EDGES	OK	SHARP	SHARP	SHARP	SHARP	SHARP
37	34 STRAIGHT & PARALLEL	OK	OK	OK	OK	OK	OK
38	35						
39	36 ± .004	-.007	+.001	+.004	-.010	-.002	+.000
40	36 ± .004	-.002	-.007	+.003	+.004	+.001	-.001

RECEIVER MEASUREMENTS - BEST AND WORST PERFORMING RIFLES FROM 821321

MODEL 700 BOL

4-22-83

		1	2	3	4	5	6	FLS
				GOOD		BAD		
				B6294940	B6292053	B6361428	B6257066	
1	1			1.720	1.660	1.785	1.725	1
2	2			101H	.015	.015	.015	2
3	3			13°	13°	13°	13°	3
4	4			.350	.430	.305	.345	4
5	5			2.070	2.090	2.090	2.070	5
6	6							6
7	7			.820	.840	.790	.835	7
8	8			.005	.005	.005	.005	8
9	9			63	63	63	63	9
10	10			.080	.090	.063	.072	10
11	11			30°	30°	30°	30°	11
12	12			.281	.281	.281	.281	12
13	13			.169	.163	.169	.167	13
14	13a			.169	.163	.169	.167	14
15	14			4.535	4.530	4.536	4.534	15
16								16
17	15			NONE	NONE	NONE	NONE	17
18	16			.540	.539	.540	.543	18
19	17			.970	.967	.968	.974	19
20	18			.190	.180	.185	.190	20
21	19			.072	.072	.072	.072	21
22	20			2.948	2.937	2.944	2.940	22
23	21			.190	.180	.185	.190	23
24	22			.852	.845	.855	.854	24
25	23			4.535	4.530	4.536	4.534	25
26	24			37°	37°	37°	37°	26
27	25			.276	.276	.294	.289	27
28	25a			.276	.276	.294	.289	28
29	26			.061	.061	.061	.061	29
30	27			.280	.280	.280	.280	30
31	28			.702	.702	.702	.702	31
32	29			.444	.451	.450	.448	32
33	30			.010	.005	.020	.023	33
34	31			20°	20°	20°	20°	34
35	32			.005	.005	.005	.005	35
36	33			SHARP	SHARP	SHARP	SHARP	36
37	34			OK	OK	OK	OK	37
38	35							38
39	36			-.007	-.004	+.001	-.002	39
40				+.008	-.003	-.001	-.002	40