

C6522201

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Remington®



VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

MODEL 700™ H24

SERIAL NO.
C6522201

ORDER NO.
5716

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

01



5716 C6522201

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

M2400003146

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522201
6 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.208002
1 TO	2	.365067
1 TO	3	.218403
1 TO	4	.257235
1 TO	5	.355175

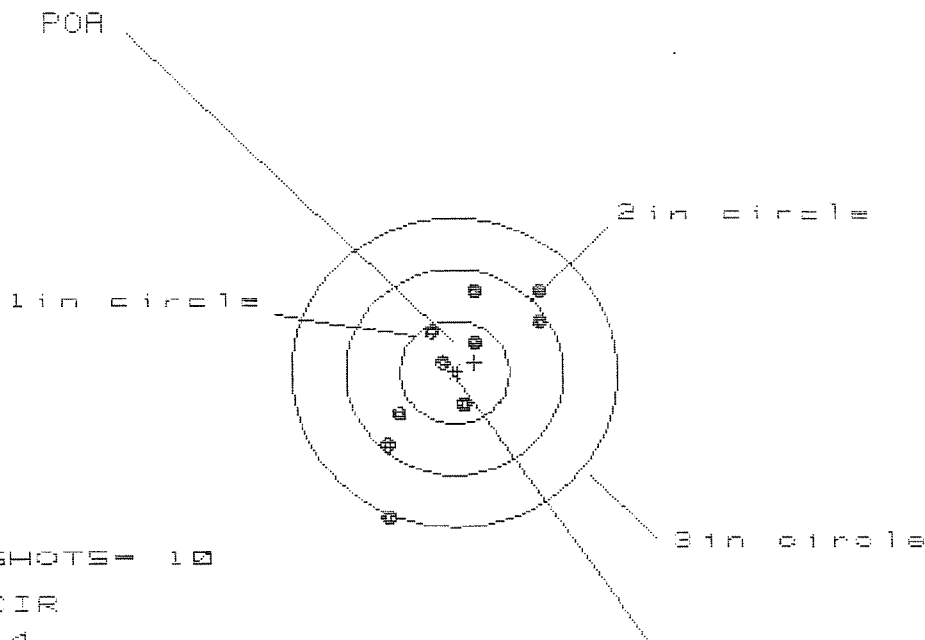
5 <----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.034
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0664
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0745987
THE AMR FOR THIS RIFLE IS: .8488

6 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08522201

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 4

2 in = 6

3 in = 8

HS = 1.442

VS = 2.213

GS = 2.641

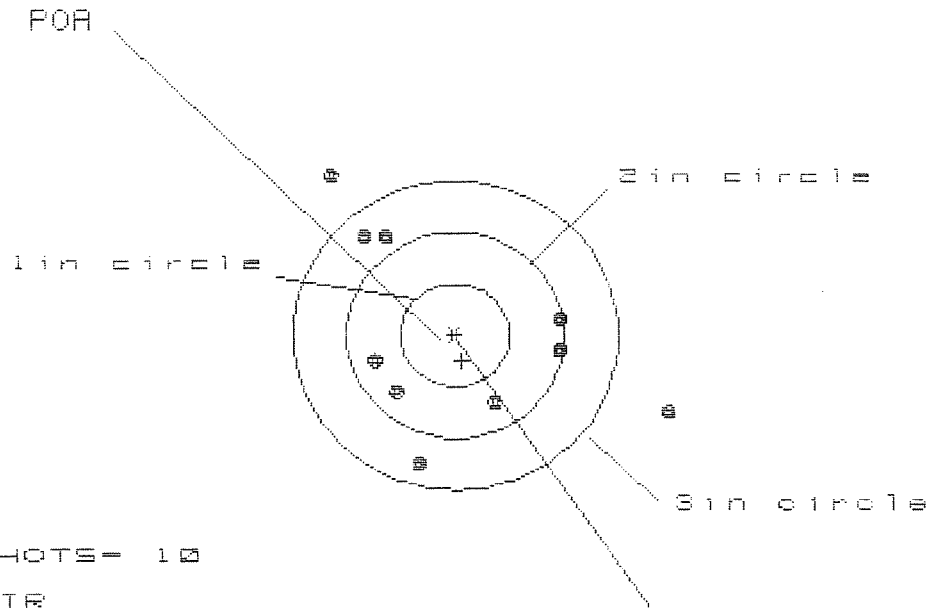
CENTROID #

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.817	.747	.801
MINIMUM X	:	-.625	-.668	-.574
MAXIMUM Y	:	.783	.624	.691
MINIMUM Y	:	-1.430	-.877	-.799
CENTROID X	:	-.184	-.114	-.208
CENTROID Y	:	-.097	.062	-.016
POA TO CENTROID in.	:	.208	.130	.208
MIN RADIUS	:	.161	.172	.088
MEAN RADIUS	:	.724	.605	.553
MAX RADIUS	:	1.561	1.102	.984
HORIZONTAL SPREAD	:	1.442	1.415	1.375
VERTICAL SPREAD	:	2.213	1.501	1.490
EXTREME SPREAD	:	2.641	2.063	1.805
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 3.113

VS = 2.724

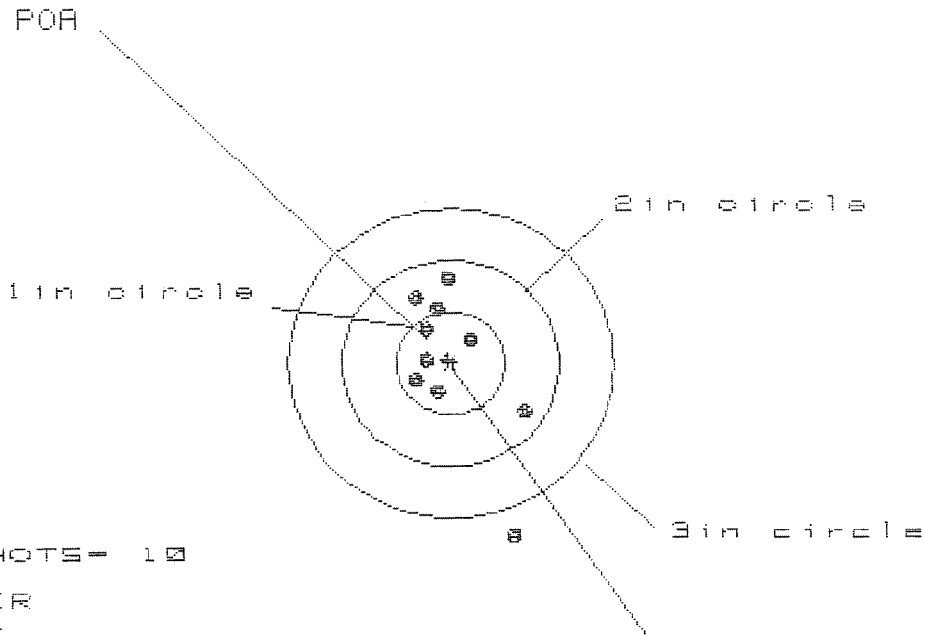
GS = 3.818

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.974
MINIMUM X	-1.139
MAXIMUM Y	1.508
MINIMUM Y	-1.216
CENTROID X	-.059
CENTROID Y	.246
POA TO CENTROID in.	.253
MIN RADIUS	.744
MEAN RADIUS	1.193
MAX RADIUS	2.096
HORIZONTAL SPREAD	3.113
VERTICAL SPREAD	2.724
EXTREME SPREAD	3.818
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	5
NUMBER IN THREE INCH CIRCLE =	8

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 5

2in = 9

3in = 9

HS= 1.082

VS= 2.584

GS= 2.591

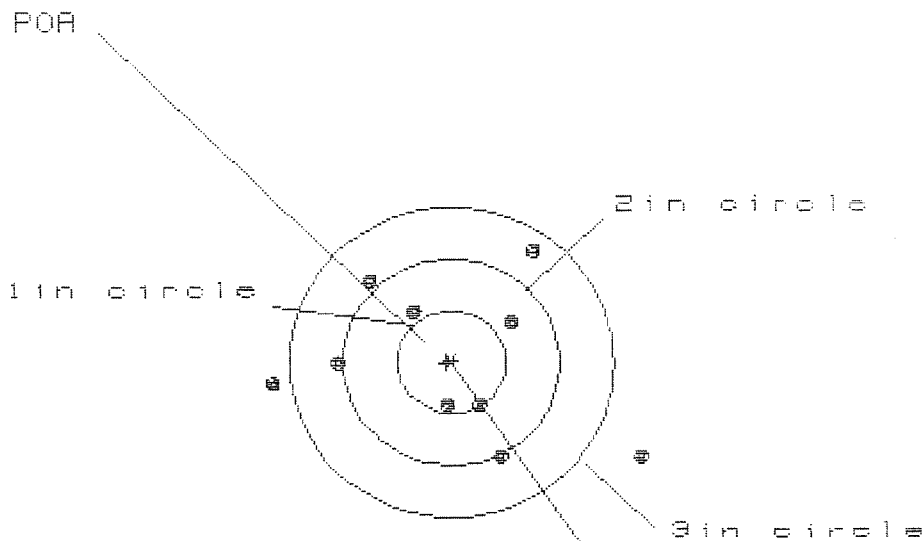
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.713	.780	.362
MINIMUM X	:	-.369	-.382	-.284
MAXIMUM Y	:	.795	.685	.524
MINIMUM Y	:	-1.789	-.654	-.528
CENTROID X	:	.026	-.041	-.139
CENTROID Y	:	-.037	.153	.234
POA TO CENTROID in.	:	.045	.158	.272
MIN RADIUS	:	.245	.204	.096
MEAN RADIUS	:	.636	.456	.360
MAX RADIUS	:	1.813	1.018	.534
HORIZONTAL SPREAD	:	1.082	1.082	.566
VERTICAL SPREAD	:	2.584	1.259	1.052
EXTREME SPREAD	:	2.591	1.532	1.053
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			9	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1in = 2

2in = 4

3in = 8

HS = 3.359

VS = 2.009

CS = 3.421

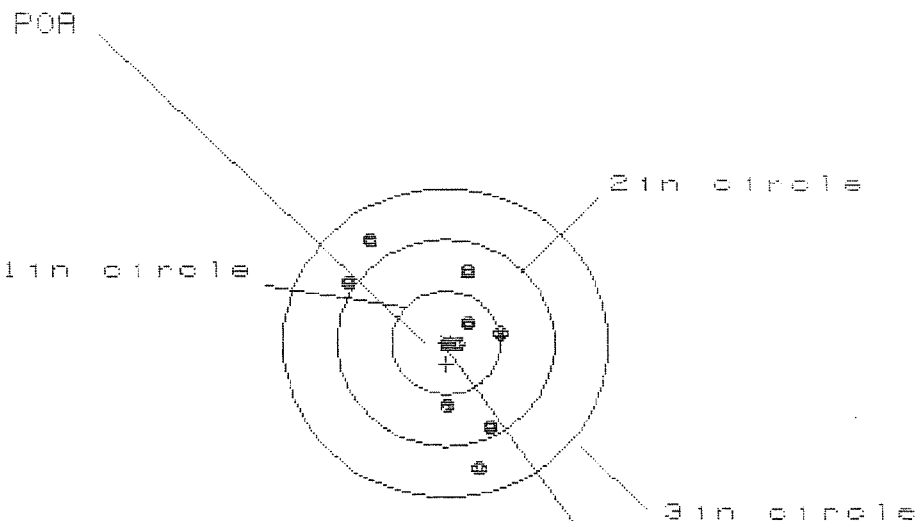
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.732	.893	.714
MINIMUM X	:	-1.627	-1.435	-.988
MAXIMUM Y	:	1.110	1.012	.970
MINIMUM Y	:	-.899	-.997	-1.039
CENTROID X	:	.049	-.143	.036
CENTROID Y	:	.012	.110	.152
POA TO CENTROID in.	:	.050	.181	.157
MIN RADIUS	:	.387	.429	.489
MEAN RADIUS	:	1.013	.899	.817
MAX RADIUS	:	1.946	1.473	1.204
HORIZONTAL SPREAD	:	3.359	2.328	1.702
VERTICAL SPREAD	:	2.009	2.009	2.009
EXTREME SPREAD	:	3.421	2.690	2.024
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			8	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.436

VS= 2.200

GS= 2.407

CENTROID *

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.516	.547	.464
MINIMUM X	-.920	-.889	-.972
MAXIMUM Y	.970	.833	.696
MINIMUM Y	-1.230	-.937	-.833
CENTROID X	-.002	-.033	.050
CENTROID Y	.208	.344	.240
POA TO CENTROID in.	.208	.346	.245
MIN RADIUS	.041	.122	.090
MEAN RADIUS	.678	.620	.529
MAX RADIUS	1.261	1.067	1.145
HORIZONTAL SPREAD	1.436	1.436	1.436
VERTICAL SPREAD	2.200	1.770	1.529
EXTREME SPREAD	2.407	2.061	1.922
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		10	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6522201

DATE 9-11-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.29	2.28	2.30	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.15	2.31	2.29	2.36	
PULL #3	2.36	2.36	2.31	2.36	
PULL #4	2.27	2.24	2.30	2.34	
PULL #5	2.25	2.28	2.28	2.32	
TOTAL	11.24	11.48	11.46	11.68	
AVG.	2.248	2.296	2.292	2.336	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.42	3.44		
PULL #2	3.50	3.45		
PULL #3	3.50	3.43		
PULL #4	3.47	3.45		
PULL #5	3.52	3.47		
TOTAL	17.41	17.24		
AVG.	3.482	3.448		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.21		4.25
PULL #2	4.20	4.24		4.20
PULL #3	4.21	4.24		4.25
PULL #4	4.24	4.28		4.25
PULL #5	4.27	4.25		4.21
TOTAL	21.12	21.22		21.16
AVG.	4.224	4.244		4.232

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522201

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/6/90	KR
	Magnaflux Bolt		8/6/90	KR
615	Rollmark Caliber		8/6/90	GG
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel <i>RB</i>		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/23/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/90	KS
	C) Inspect Ejector Hole for Chamfer		8/23/90	KS
	D) Oil Firing Pin Ass'y		8/23/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		9-11-90	SL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			9/5/90	WB
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			9/5/90	WB
	H) Trigger Pull Test & Retainability						9-11-90	JH
	I) Firing Pin Indent	.0225	.0225	.0225			9/5/90	WB
	J) Assemble Stock						9/4/90	KS
	K) Assemble Swivel Studs						9/12/90	JH
	L) Attach Front and Rear Sight Assemblies						9/4/90	KS
	M) Iron Sight Alignment						9/4/90	KS
	N) Detach Front & Rear Sights & place in numbered container						9/4/90	KS
	O) Attach Scope to Rifle						9/4/90	KS
	P) Detach & Attach Scope 20 Times						9/4/90	KS
640	Gallery Target & Test						9/5/90	KJ
	A) Time						9/5/90	KJ
	B) Malfunctions						9/5/90	KJ
	C) Pierced Primers						9/5/90	KJ
	D) Optical Clarity of Scope						9/5/90	KJ
645	Inspect for Live Ammo						9/5/90	KJ
655	Final Inspection							
	A) Headspace						9/12/90	JH
	B) Trigger Pull	2.30	2.36	2.36	2.34	2.32	9-11-90	JH
	C) Function						9/12/90	JH
660	Pack						9/19/90	LF