

C6522201

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

 		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700TM H24		SERIAL NO. C6522201
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716
01		
 5716 C6522201		

UPC



0 47700 25716 7

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

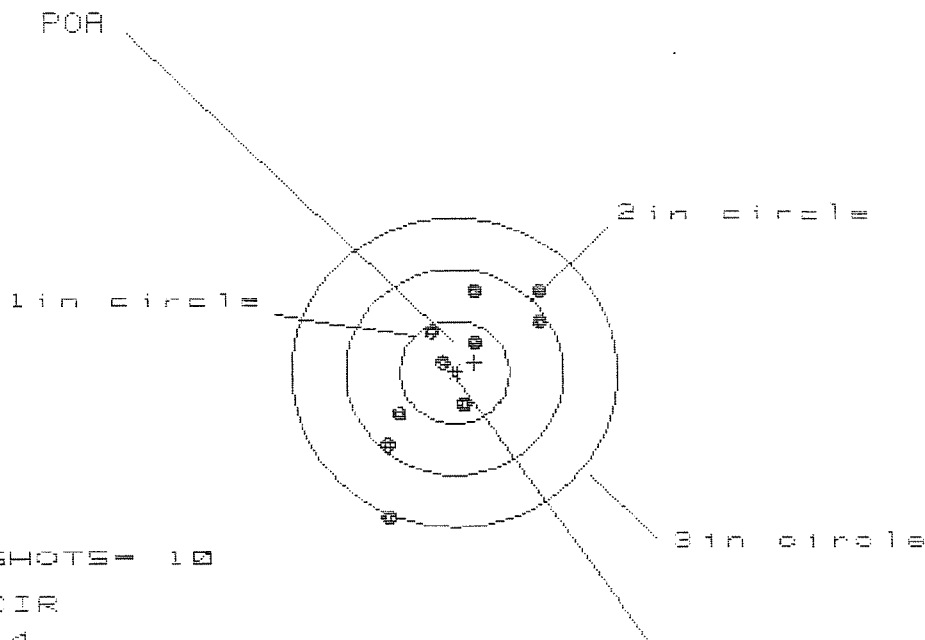
5 <----POB

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 = 8

3 in = 9

HS = 1.442

VS = 2.213

GS = 2.641

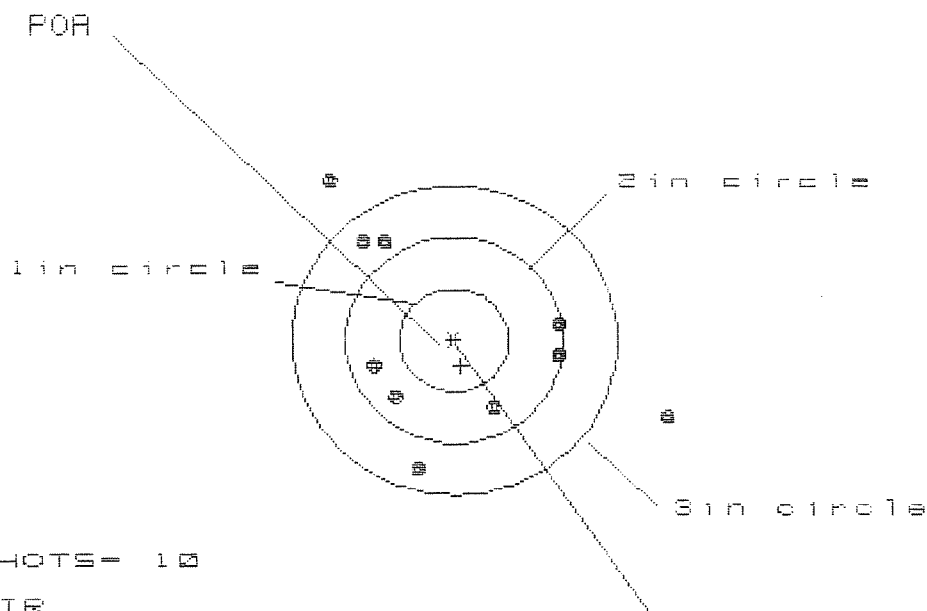
CENTROID #

PATTERN #	1	2	3
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

1in = 0

2in = 5

3in = 8

HS = 3.113

VS = 2.724

GS = 3.818

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.974	1.200	1.085
MINIMUM X	-1.139	-0.919	-0.713
MAXIMUM Y	1.508	1.430	1.101
MINIMUM Y	-1.216	-1.294	-1.116
CENTROID X	-0.059	-0.279	-0.164
CENTROID Y	.246	.324	.146
POA TO CENTROID in.	.253	.428	.219
MIN RADIUS	.744	.622	.650
MEAN RADIUS	1.193	1.077	.973
MAX RADIUS	2.096	1.700	1.312
HORIZONTAL SPREAD	3.113	2.119	1.798
VERTICAL SPREAD	2.724	2.724	2.217
EXTREME SPREAD	3.818	2.833	2.263
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

POR

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 5

2 in = 9

3 in = 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	-.302	-.204
MAXIMUM Y	:	.795	.605	.524
MINIMUM Y	:	-1.709	-.654	-.528
CENTROID X	:	.026	-.041	-.139
CENTROID Y	:	-.037	.153	.234
POR 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

POA

1in circle

2in circle

3in circle

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
MAXIMUM X	:	1.732
MINIMUM X	:	-1.627
MAXIMUM Y	:	1.110
MINIMUM Y	:	-0.899
CENTROID X	:	.049
CENTROID Y	:	.012
POA TO CENTROID in.	:	.050
MIN RADIUS	:	.387
MEAN RADIUS	:	1.013
MAX RADIUS	:	1.946
HORIZONTAL SPREAD	:	3.359
VERTICAL SPREAD	:	2.009
EXTREME SPREAD	:	3.421
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

POA

1in circle

2in circle

3in circle

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	

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

BARBER - M24 0003116

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	84
	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	928
	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	102
	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	928
	B) Trigger Pull	2.30	2.36	2.36	2.34	2.32	9-11-90	84
	C) Function						9/12/90	928
660	Pack						9/19/90	NE