

C6522135

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington®


REG. U.S. PAT. & TM. OFF

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

MODEL 700™ H24

SERIAL NO.
C6522135

ORDER NO.
5716

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

Ø1


5716 C6522135

UPC



0 47700 25716 7

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522135
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.106832
1 TO	2	.0473814
1 TO	3	.164539
1 TO	4	.159662
1 TO	5	.170179

5 <----POA

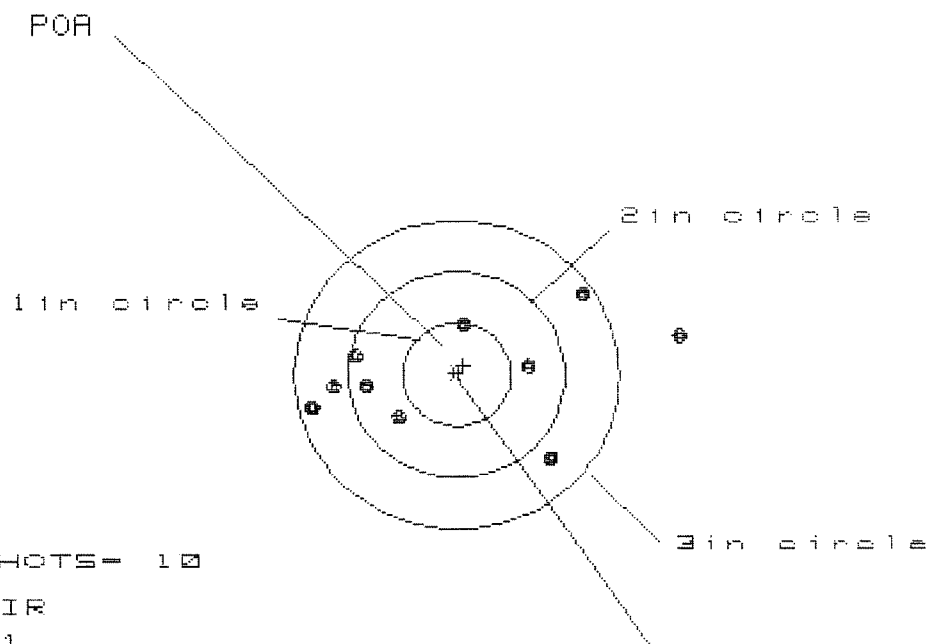
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0142
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0702
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0716218

THE AMR FOR THIS RIFLE IS: 1.083

13 Sep 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6522135

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 4

HS= 3.468

VS= 1.544

GS= 3.554

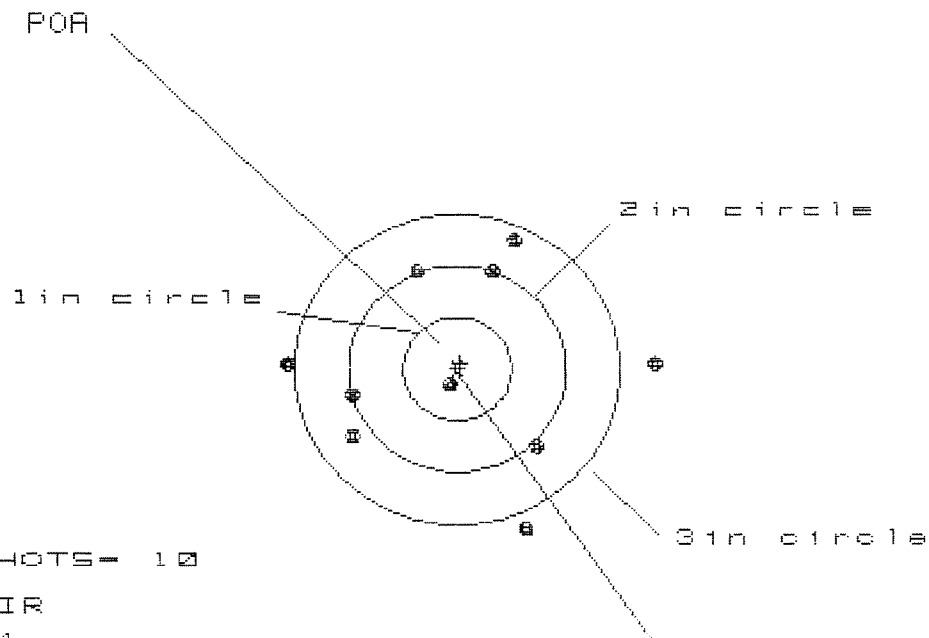
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.102	1.367	1.225
MINIMUM X	-1.366	-1.132	-1.082
MAXIMUM Y	.741	.788	.750
MINIMUM Y	-.803	-.756	-.794
CENTROID X	-.062	-.296	-.154
CENTROID Y	-.087	-.135	-.097
POA TO CENTROID in.	.107	.325	.182
MIN RADIUS	.469	.505	.502
MEAN RADIUS	1.093	.935	.913
MAX RADIUS	2.145	1.577	1.436
HORIZONTAL SPREAD	3.468	2.499	2.307
VERTICAL SPREAD	1.544	1.544	1.544
EXTREME SPREAD	3.554	2.726	2.464
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

13 Sep 1998

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 2

3in = 7

HS= 3.421

VS= 2.824

GS= 3.422

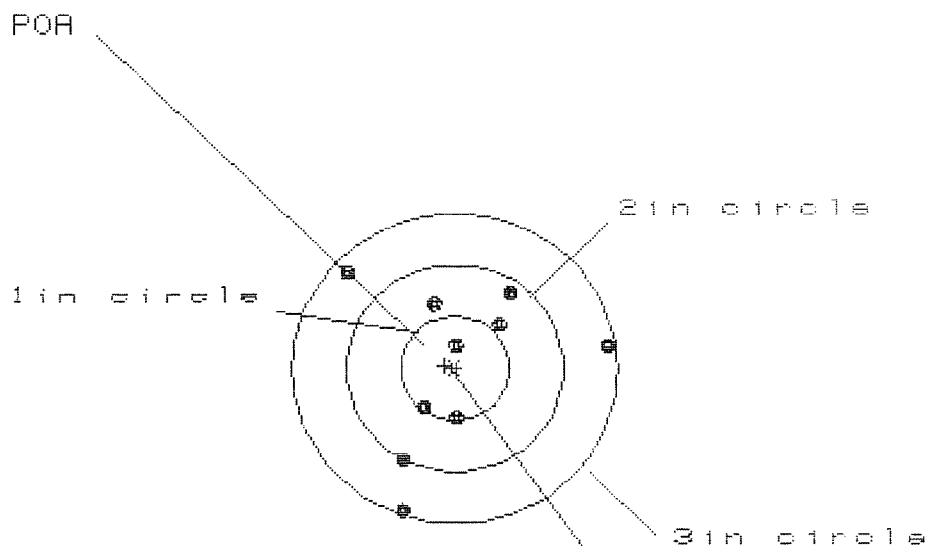
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.834	.965	1.067
MINIMUM X	:	-1.587	-1.383	-1.281
MAXIMUM Y	:	1.265	1.267	1.072
MINIMUM Y	:	-1.559	-1.557	-.956
CENTROID X	:	-.029	-.233	-.335
CENTROID Y	:	-.053	-.055	.140
POA TO CENTROID in.	:	.060	.239	.363
MIN RADIUS	:	.189	.221	.439
MEAN RADIUS	:	1.197	1.104	1.015
MAX RADIUS	:	1.834	1.759	1.432
HORIZONTAL SPREAD	:	3.421	2.348	2.348
VERTICAL SPREAD	:	2.824	2.824	2.028
EXTREME SPREAD	:	3.422	2.827	2.498
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 10

HS= 2.393

VS= 2.331

GS= 2.501

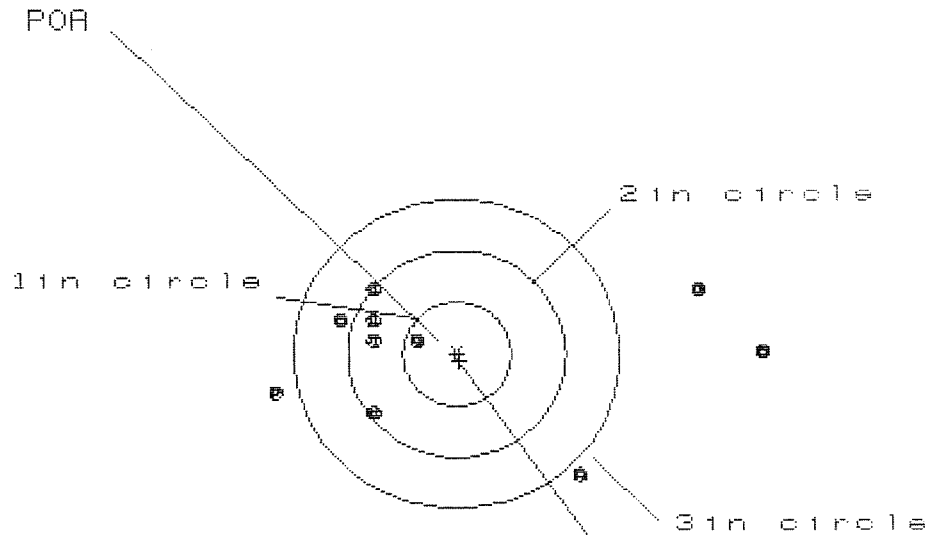
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.436	1.385	.633
MINIMUM X	:	-.957	-1.008	-.834
MAXIMUM Y	:	.929	.773	.779
MINIMUM Y	:	-1.402	-.983	-.977
CENTROID X	:	.090	.141	-.033
CENTROID Y	:	-.024	.132	.126
POA TO CENTROID in.	:	.093	.193	.130
MIN RADIUS	:	.215	.064	.159
MEAN RADIUS	:	.857	.763	.690
MAX RADIUS	:	1.474	1.386	1.142
HORIZONTAL SPREAD	:	2.393	2.393	1.467
VERTICAL SPREAD	:	2.331	1.756	1.756
EXTREME SPREAD	:	2.501	2.501	1.889
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 5

HS= 4.527

VS= 1.766

GS= 4.541

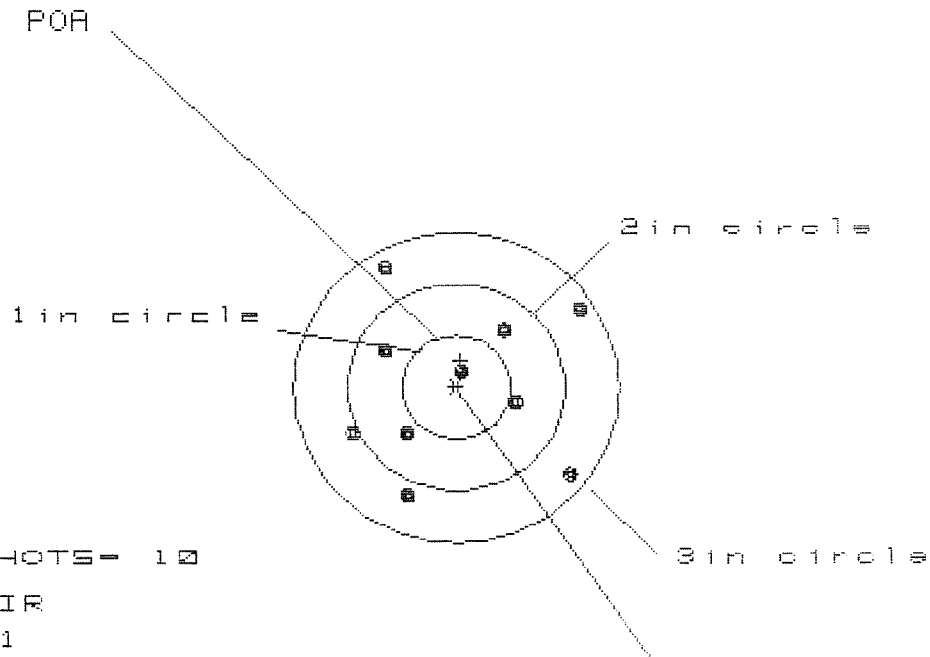
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.823	2.570	1.789
MINIMUM X	:	-1.704	-1.390	-1.069
MAXIMUM Y	:	.644	.647	.722
MINIMUM Y	:	-1.121	-1.119	-1.044
CENTROID X	:	-.028	-.342	-.663
CENTROID Y	:	.069	.066	-.009
POA TO CENTROID in.	:	.074	.348	.663
MIN RADIUS	:	.344	.099	.186
MEAN RADIUS	:	1.358	1.047	.751
MAX RADIUS	:	2.823	2.639	2.071
HORIZONTAL SPREAD	:	4.527	3.960	2.858
VERTICAL SPREAD	:	1.766	1.766	1.766
EXTREME SPREAD	:	4.541	4.068	2.965
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		5	

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CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 10

HS= 2.160

VS= 2.203

GS= 2.641

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.154	1.205	.797
MINIMUM X	-1.006	-.878	-.727
MAXIMUM Y	1.161	1.242	1.149
MINIMUM Y	-1.042	-.961	-1.054
CENTROID X	-.042	-.170	-.321
CENTROID Y	-.256	-.337	-.243
POA TO CENTROID in.	.259	.378	.403
MIN RADIUS	.148	.280	.344
MEAN RADIUS	.909	.855	.774
MAX RADIUS	1.368	1.420	1.209
HORIZONTAL SPREAD	2.160	2.083	1.524
VERTICAL SPREAD	2.203	2.203	2.203
EXTREME SPREAD	2.641	2.641	2.208
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
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. C6527135
DATE 9/11/90
TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.43	2.44	2.51	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.30	2.34	2.48	2.42	
PULL #3	2.25	2.13	2.42	2.45	
PULL #4	2.38	2.28	2.53	2.42	
PULL #5	2.34	2.73	2.52	2.44	
TOTAL	11.70	11.41	12.39	12.24	
AVG.	2.34	2.28	2.48	2.448	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.06	3.21		
PULL #2	3.13	3.12		
PULL #3	3.07	3.24		
PULL #4	3.13	3.16		
PULL #5	3.13	3.09		
TOTAL	15.52	15.82		
AVG.	3.10	3.16		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.27		3.86
PULL #2	4.26	4.26		3.93
PULL #3	4.22	4.23		3.92
PULL #4	4.32	4.21		3.96
PULL #5	4.36	4.29		3.84
TOTAL	21.36	21.26		19.51
AVG.	4.27	4.25		3.90

CAR 700

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6582135

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	QUALITY AUDIT	8-21-90	DB
600	Proof		8-21-90	DB
607	Check Headspace		8-21-90	DB
610	Dis-assemble Gun		8-21-90	DB
612	Magnaflux Barrel Action		8/22/90	KCD
	Magnaflux Bolt		8/22/90	KCD
615	Rollmark Caliber		8/22/90	G.S.
617	Drill and Tap Sight Holes		8/22/90	FB
618	Polish Barrel AB		8/22/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	TJH
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/31/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/31/90	RW
	C) Inspect Ejector Hole for Chamfer		8/31/90	RW
	D) Oil Firing Pin Ass'y		8/31/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/1/90	WB

op. #	OP. NAME	READINGS					DATE	INIT
625 at.	F) Safety On Force	5	5	5			9/4/90	WB
	G) Safety Off Force	2	2	2			9/4/90	WB
	H) Trigger Pull Test & Retainability						9/4/90	WB
	I) Firing Pin Indent	.023	.023	.023			9/4/90	WB
	J) Assemble Stock						9/11/90	RW
	K) Assemble Swivel Studs						9/15/90	912
	L) Attach Front and Rear Sight Assemblies						9/11/90	RW
	M) Iron Sight Alignment						9/11/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/11/90	RW
	O) Attach Scope to Rifle						9/10/90	RW
	P) Detach & Attach Scope 20 Times						9/11/90	RW
640	Gallery Target & Test						9/13/90	KT
	A) Time						9/13/90	KT
	B) Malfunctions						9/13/90	KT
	C) Pierced Primers						9/15/90	KT
	D) Optical Clarity of Scope						9/13/90	KT
645	Inspect for Live Ammo						9/13/90	KT
655	Final Inspection							
	A) Headspace						9/15/90	98
	B) Trigger Pull	2.51	2.42	2.45	2.42	2.44	9-15-90	98
	C) Function						9/15/90	98
660	Pack						9/20/90	15