

06594615

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

* Includes 1 in chamber.

Remington

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



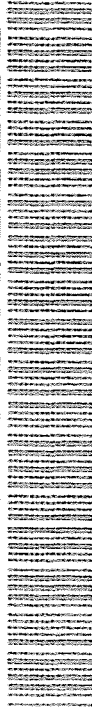

REG. U.S. PAT. & TM. OFF.

MODEL 700™ H24

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

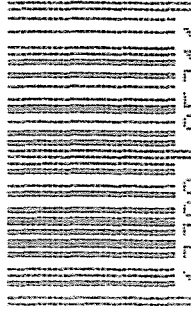
SERIAL NO.
C6594615

ORDER NO.
5716



5716 C6594615

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6594615

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		12/27/90	K.S.
600	Proof		12/27/90	K.S.
607	Check Headspace		12/27/90	K.S.
610	Dis-assemble Gun		12/27/90	K.S.
612	Magnaflux Barrel Action		1/9/91	KR
	Magnaflux Bolt		"	KR
615	Rollmark Caliber		"	GL
617	Drill and Tap Sight Holes	1 10 91		LB
618	Polish Barrel	1 10 91		LB
620	Apply Coatings (Barrel Action)		1-22-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		1/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		1/23/91	KS
	C) Inspect Ejector Hole for Chamfer		1/23/91	KS
	D) Oil Firing Pin Ass'y		1/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		1/24/91	JA

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 1/4	4 1/4	4 1/4			1/24/91	W.B
	G) Safety Off Force	2 1/4	2 1/4	2 1/4			1/24/91	W.B
	H) Trigger Pull Test & Retainability						1/24/91	JK
	I) Firing Pin Indent	.021	.0205	.0205			1/24/91	W.B
	J) Assemble Stock						1/25/91	KS
	K) Assemble Swivel Studs						2-8-91	DH
	L) Attach Front and Rear Sight Assemblies						1/25/91	KS
	M) Iron Sight Alignment						1/25/91	KS
	N) Detach Front & Rear Sights & place in numbered container						1/25/91	KS
	O) Attach Scope to Rifle						1/25/91	KS
	P) Detach & Attach Scope 20 Times						1/25/91	KS
640	Gallery Target & Test						1-28-91	AC
	A) Time						1-28-91	AC
	B) Malfunctions						1-28-91	AC
	C) Pierced Primers						1-28-91	AC
	D) Optical Clarity of Scope						1-28-91	AC
645	Inspect for Live Ammo						1-28-91	AC
655	Final Inspection							
	A) Headspace						2-8-91	D/H
	B) Trigger Pull	2.38	2.36	2.29	2.38	2.37	2-1-91	JK
	C) Function						2-8-91	D/H
660	Pack						3-18-91	NF

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# ± .50#
3.00# ± .75#
4.00# ± 1.00#

SERIAL NO. C6594615
DATE 1-24-91
TESTER JEP.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.21	2.45	2.53	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.40	2.56	2.36	
PULL #3	2.38	2.50	2.21	2.29	
PULL #4	2.35	2.49	2.26	2.38	
PULL #5	2.38	2.49	2.22	2.37	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.24	3.20		
PULL #2	3.49	3.18		
PULL #3	3.55	3.33		
PULL #4	3.39	3.22		
PULL #5	3.44	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.40		4.20
PULL #2	4.33	4.41		4.30
PULL #3	4.49	4.47		4.37
PULL #4	4.52	4.42		4.29
PULL #5	4.36	4.33		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594615
28 Jan 1991

CENTROIDAL DISTANCES

Ø TO	1	.229924
1 TO	2	.38048
1 TO	3	.290007
1 TO	4	.278227
1 TO	5	.413494

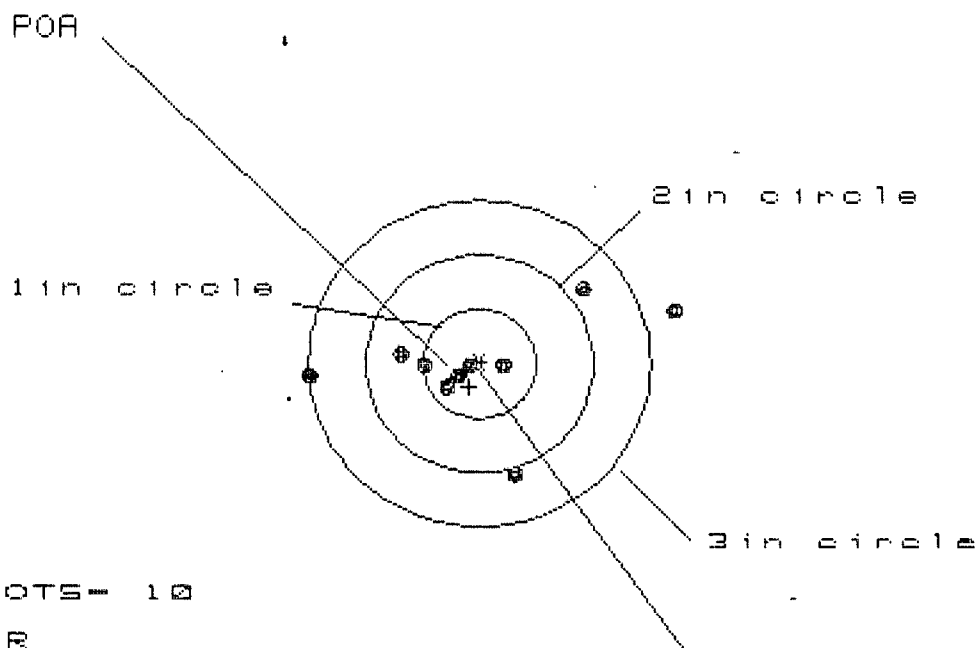
$\frac{2}{3} \frac{1}{5}^4$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0386
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1924
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .196234
THE AMR FOR THIS RIFLE IS: .8574

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594615

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 5

2in = 6

3in = 9

HS= 3.139

VS= 1.748

GS= 3.195

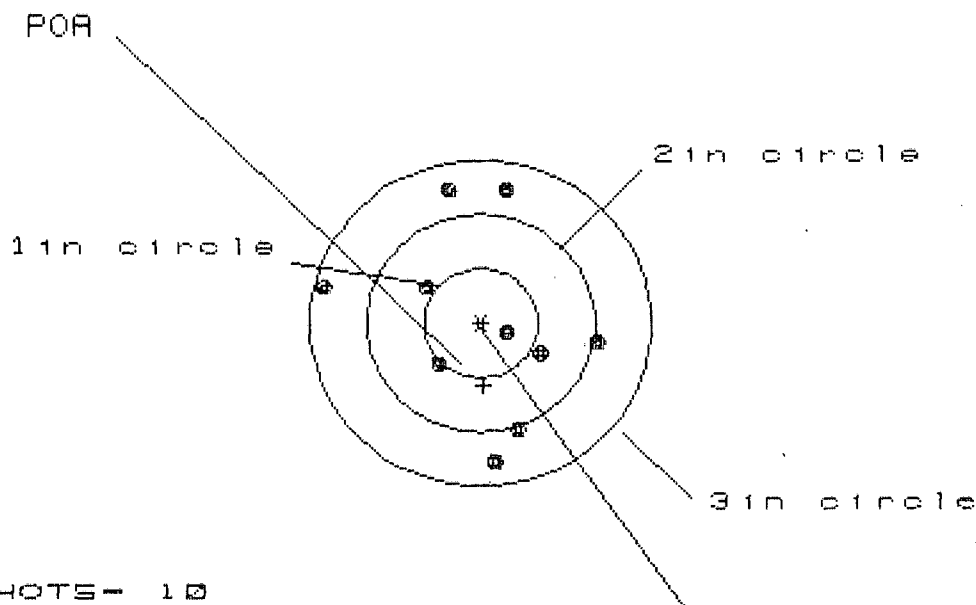
CENTROID #

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.669	1.084	.924
MINIMUM X	:	-1.470	-1.285	-.640
MAXIMUM Y	:	.718	.777	.776
MINIMUM Y	:	-1.030	-.971	-.972
CENTROID X	:	.089	-.096	.064
CENTROID Y	:	.212	.153	.154
POA TO CENTROID in.	:	.230	.181	.166
MIN RADIUS	:	.079	.043	.084
MEAN RADIUS	:	.738	.580	.508
MAX RADIUS	:	1.752	1.334	1.207
HORIZONTAL SPREAD	:	3.139	2.369	1.564
VERTICAL SPREAD	:	1.748	1.748	1.748
EXTREME SPREAD	:	3.195	2.494	1.857
NUMBER IN ONE INCH CIRCLE =	:	5		
NUMBER IN TWO INCH CIRCLE =	:	6		
NUMBER IN THREE INCH CIRCLE =	:	9		

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594615

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 10

HS= 2.327

VS= 2.552

GS= 2.555

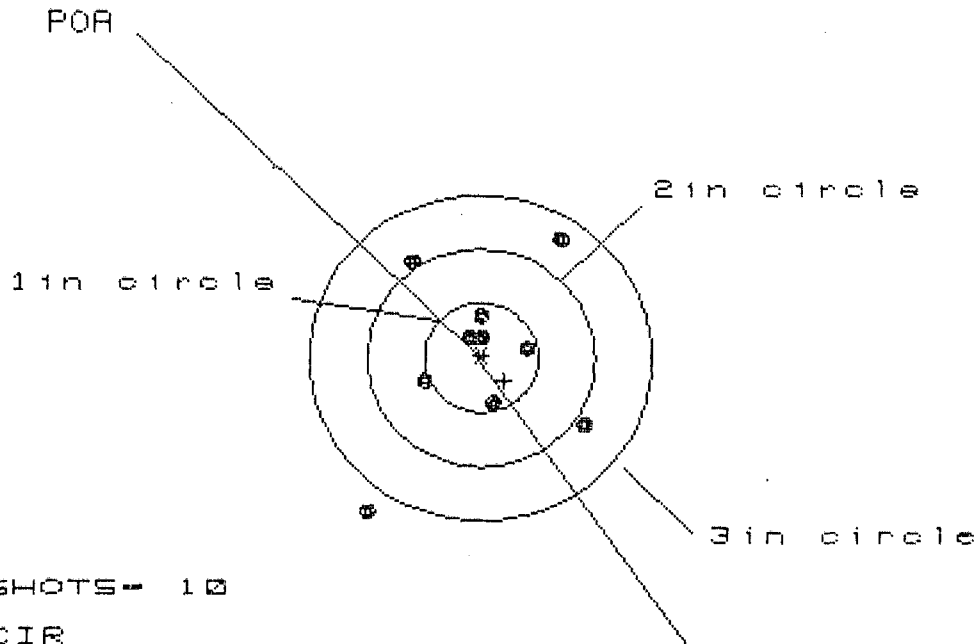
CENTROID *

PATTERN #	2	2	2
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.984	.834	.835
MINIMUM X	-1.343	-.618	-.617
MAXIMUM Y	1.262	1.299	1.143
MINIMUM Y	-1.290	-1.253	-1.117
CENTROID X	-.025	.125	.124
CENTROID Y	.575	.538	.694
POA TO CENTROID in.	.575	.552	.705
MIN RADIUS	.264	.113	.236
MEAN RADIUS	.924	.847	.813
MAX RADIUS	1.384	1.334	1.187
HORIZONTAL SPREAD	2.327	1.452	1.452
VERTICAL SPREAD	2.552	2.552	2.260
EXTREME SPREAD	2.555	2.555	2.304
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594615

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 5

2in = 6

3in = 9

HS= 1.911

VS= 2.524

GS= 3.025

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.917	.807	.877
MINIMUM X	:	-.994	-.716	-.646
MAXIMUM Y	:	1.071	.910	.801
MINIMUM Y	:	-1.453	-.798	-.684
CENTROID X	:	-.201	-.091	-.161
CENTROID Y	:	.210	.371	.257
POA TO CENTROID in.	:	.291	.382	.304
MIN RADIUS	:	.179	.112	.138
MEAN RADIUS	:	.733	.595	.529
MAX RADIUS	:	1.760	1.135	1.113
HORIZONTAL SPREAD	:	1.911	1.523	1.523
VERTICAL SPREAD	:	2.524	1.708	1.485
EXTREME SPREAD	:	3.025	2.127	2.127
NUMBER IN ONE INCH CIRCLE =			5	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6534615

CENTERFIRE PATTERNS

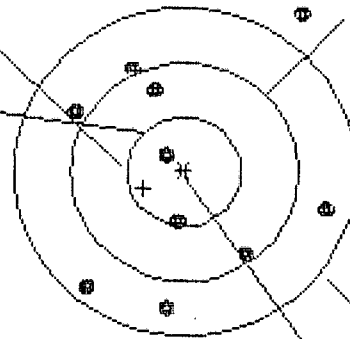
4

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 9

HS= 2.160

VS= 2.644

GS= 3.053

CENTROID *

PATTERN #

4

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.228

1.338

1.249

MINIMUM X

-.932

-.822

-.911

MAXIMUM Y

1.404

1.138

1.026

MINIMUM Y

-1.240

-1.084

-1.196

CENTROID X

.360

.250

.339

CENTROID Y

.149

-.007

.105

POA TO CENTROID in.

.390

.251

.355

MIN RADIUS

.172

.243

.188

MEAN RADIUS

.999

.902

.865

MAX RADIUS

1.719

1.349

1.283

HORIZONTAL SPREAD

2.160

2.160

2.160

VERTICAL SPREAD

2.644

2.222

2.222

EXTREME SPREAD

3.053

2.323

2.323

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

4

NUMBER IN THREE INCH CIRCLE =

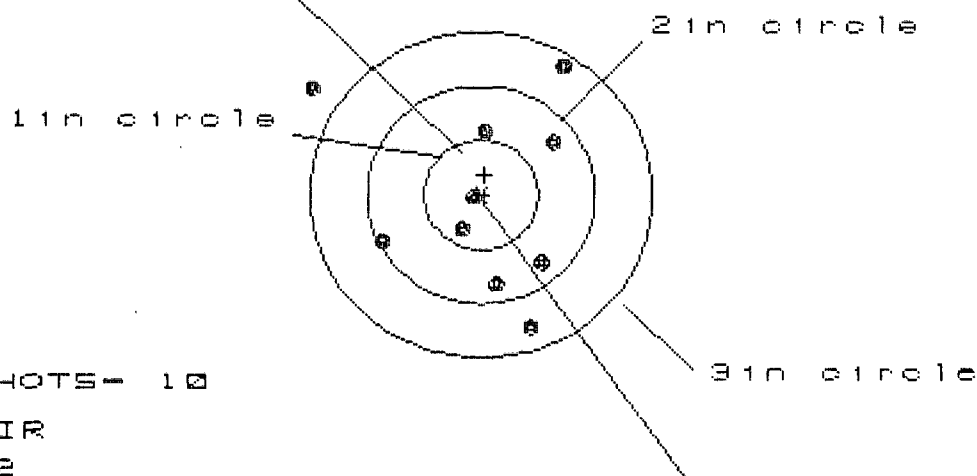
9

28 Jan 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06594615

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.262

VS= 2.412

GS= 2.995

CENTROID *

PATTERN #	:	5	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.760	.593	.533
MINIMUM X	:	-1.502	-1.003	-.929
MAXIMUM Y	:	1.191	1.305	.865
MINIMUM Y	:	-1.221	-1.107	-.944
CENTROID X	:	-.030	.137	.063
CENTROID Y	:	-.184	-.298	-.461
POA TO CENTROID in.	:	.186	.328	.466
MIN RADIUS	:	.089	.286	.220
MEAN RADIUS	:	.893	.789	.686
MAX RADIUS	:	1.822	1.434	1.017
HORIZONTAL SPREAD	:	2.262	1.596	1.462
VERTICAL SPREAD	:	2.412	2.412	1.809
EXTREME SPREAD	:	2.995	2.429	1.857
NUMBER IN ONE INCH CIRCLE	=	2		
NUMBER IN TWO INCH CIRCLE	=	7		
NUMBER IN THREE INCH CIRCLE	=	9		