

C6523457

MODEL 700TM N24

Model **SMS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington




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

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

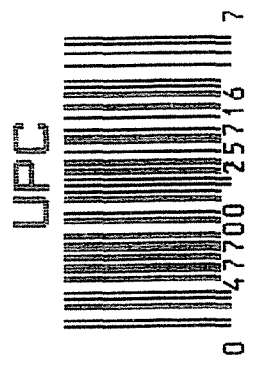
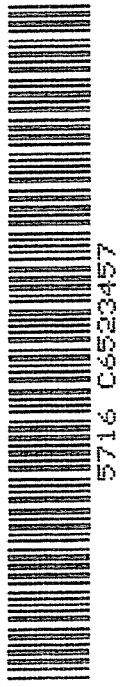
MODEL 700™ H24

SERIAL NO.
C6523457

ORDER NO.
5716

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

01



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523457
13 Sep 1990

CENTROIDAL DISTANCES

0 TO	1	.131883
1 TO	2	.40602
1 TO	3	.394321
1 TO	4	.318798
1 TO	5	.268477

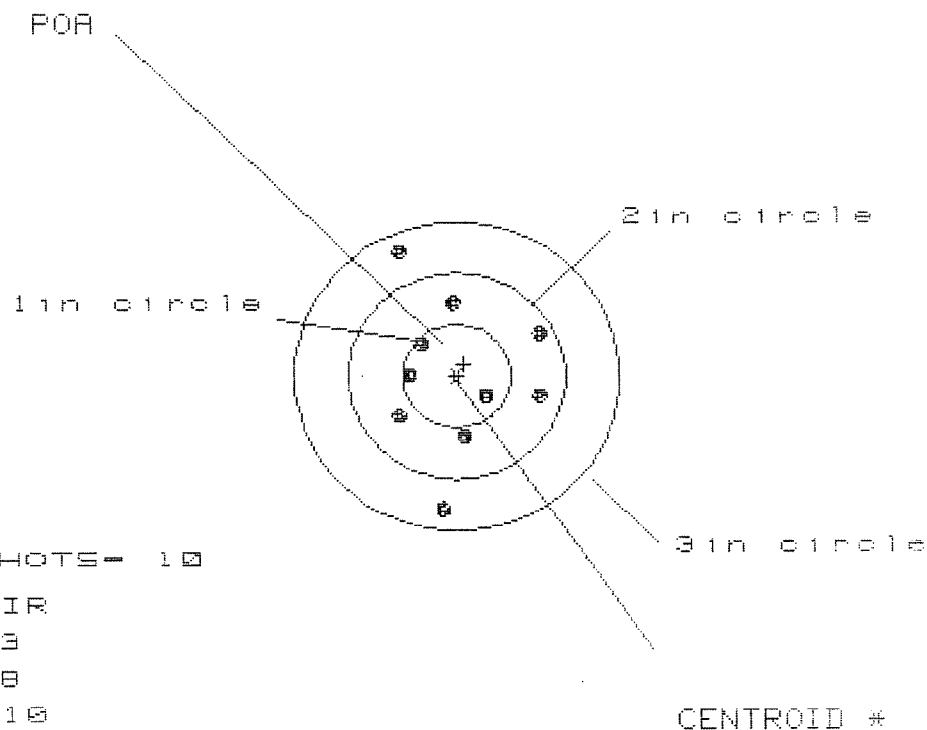
$\bar{x}$ $\bar{y}$ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.2042
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1954
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .282628
THE AMR FOR THIS RIFLE IS: .9436

13 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8523457

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 10

HS= 1.333

VS= 2.512

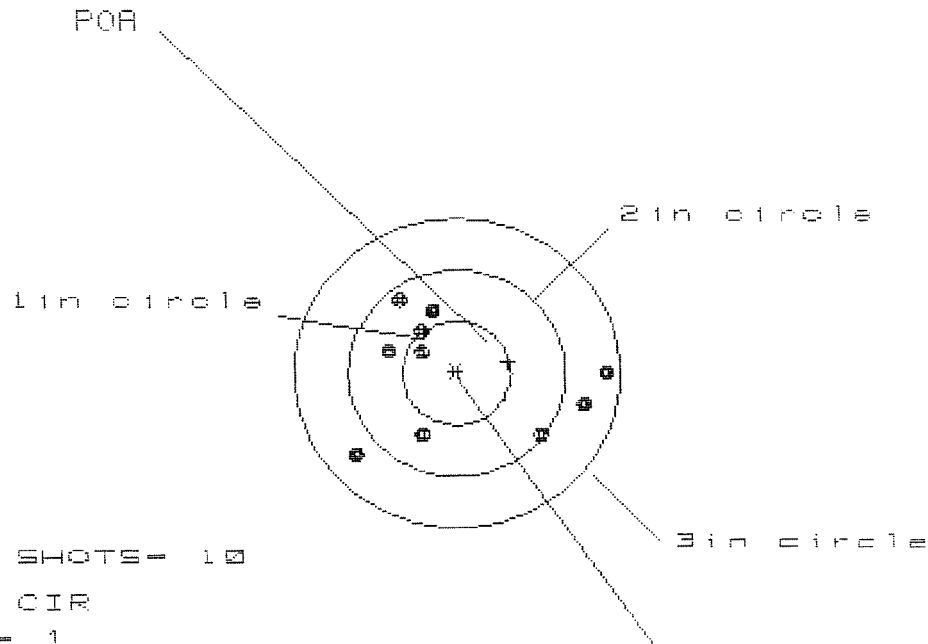
GS= 2.548

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.801	.742	.721
MINIMUM X	:	-.531	-.589	-.610
MAXIMUM Y	:	1.220	.816	.671
MINIMUM Y	:	-1.292	-1.156	-.602
CENTROID X	:	-.068	-.009	.012
CENTROID Y	:	-.113	-.249	-.104
FOR TO CENTROID in.	:	.132	.249	.105
MIN RADIUS	:	.288	.171	.239
MEAN RADIUS	:	.735	.656	.589
MAX RADIUS	:	1.331	1.168	.811
HORIZONTAL SPREAD	:	1.332	1.331	1.331
VERTICAL SPREAD	:	2.512	1.972	1.273
EXTREME SPREAD	:	2.548	1.975	1.545
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 7

3in = 10

HS = 2.279

VS = 1.503

GS = 2.419

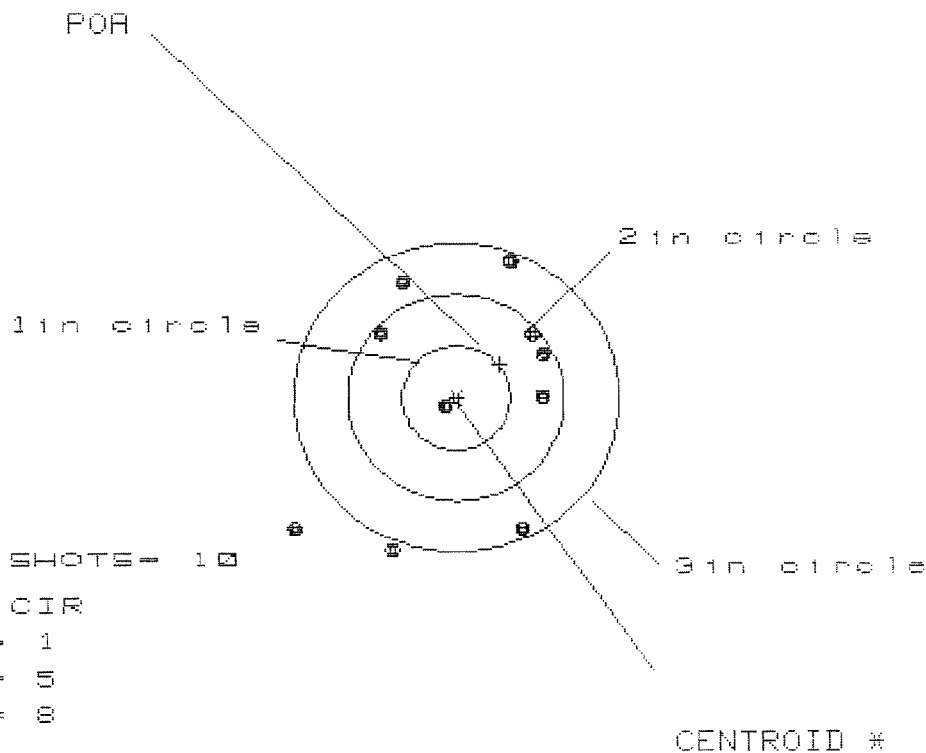
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.369	1.292	1.197
MINIMUM X	:	-.910	-.758	-.593
MAXIMUM Y	:	.715	.717	.619
MINIMUM Y	:	-.788	-.786	-.709
CENTROID X	:	-.474	-.626	-.531
CENTROID Y	:	-.109	-.111	-.013
POA TO CENTROID in.	:	.486	.636	.532
MIN RADIUS	:	.425	.318	.325
MEAN RADIUS	:	.859	.765	.721
MAX RADIUS	:	1.369	1.320	1.253
HORIZONTAL SPREAD	:	2.279	2.050	1.790
VERTICAL SPREAD	:	1.503	1.503	1.328
EXTREME SPREAD	:	2.419	2.113	1.901
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.334

VS= 2.730

GS= 3.276

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.827	.660	.558
MINIMUM X	:	-1.507	-.851	-.953
MAXIMUM Y	:	1.277	1.132	.933
MINIMUM Y	:	-1.453	-1.598	-1.597
CENTROID X	:	-.403	-.236	-.134
CENTROID Y	:	-.321	-.176	.023
POA TO CENTROID in.	:	.515	.295	.136
MIN RADIUS	:	.154	.374	.501
MEAN RADIUS	:	1.127	.999	.862
MAX RADIUS	:	1.989	1.793	1.628
HORIZONTAL SPREAD	:	2.334	1.511	1.511
VERTICAL SPREAD	:	2.730	2.730	2.530
EXTREME SPREAD	:	3.276	2.967	2.590
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

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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 = 8

HS = 2.522

VS = 3.128

GS = 3.128

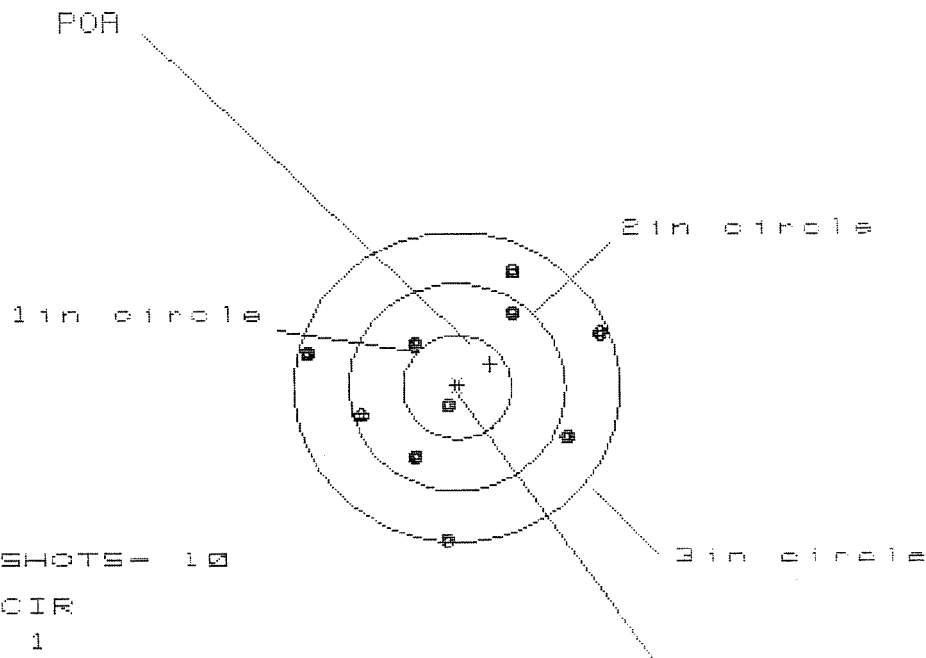
CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.286	1.218	1.129
MINIMUM X	:	-1.236	-1.304	-1.393
MAXIMUM Y	:	1.703	1.118	.964
MINIMUM Y	:	-1.425	-1.236	-1.077
CENTROID X	:	.236	.304	.393
CENTROID Y	:	-.209	-.398	-.244
POA TO CENTROID in.	:	.315	.501	.462
MIN RADIUS	:	.236	.187	.079
MEAN RADIUS	:	.990	.866	.758
MAX RADIUS	:	1.812	1.423	1.436
HORIZONTAL SPREAD	:	2.522	2.522	2.522
VERTICAL SPREAD	:	3.128	2.354	2.040
EXTREME SPREAD	:	3.128	2.539	2.539
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

1 in = 1

2 in = 5

3 in = 10

HS= 2.788

VS= 2.654

GS= 2.803

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.353	1.339	1.119
MINIMUM X	-1.435	-1.449	-1.282
MAXIMUM Y	1.163	.997	1.047
MINIMUM Y	-1.491	-.873	-.823
CENTROID X	-.312	-.298	-.466
CENTROID Y	-.225	-.059	-.109
POA TO CENTROID in.	.384	.304	.478
MIN RADIUS	.181	.332	.259
MEAN RADIUS	1.007	.952	.870
MAX RADIUS	1.496	1.453	1.291
HORIZONTAL SPREAD	2.788	2.788	2.401
VERTICAL SPREAD	2.654	1.870	1.870
EXTREME SPREAD	2.803	2.803	2.528
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. C6523457

DATE 9/11/90

TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.73	2.32	2.35	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.33	2.33	2.40	
PULL #3	2.38	2.34	2.36	2.38	
PULL #4	2.36	2.36	2.38	2.40	
PULL #5	2.39	2.33	2.38	2.44	
TOTAL	11.98	11.68	11.80	12.00	
AVG.	2.39	2.33	2.36	2.40	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.10	3.20		
PULL #2	3.12	3.00		
PULL #3	3.05	3.14		
PULL #4	3.09	3.14		
PULL #5	3.06	3.11		
TOTAL	15.42	15.59		
AVG.	3.08	3.12		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.02	4.15		3.95
PULL #2	4.05	4.06		3.98
PULL #3	4.12	4.02		4.00
PULL #4	4.11	4.01		4.03
PULL #5	4.15	4.06		4.01
TOTAL	20.45	20.30		19.97
AVG.	4.09	4.06		3.99

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6523457

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		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	GL
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)		8-22-90	TA
	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	W.B.

op. #	OP. NAME	READINGS					DATE	INIT
605 nt.	F) Safety On Force	4	4	4			9/11/90	WB
	G) Safety Off Force	2	2	2			9/11/90	WB
	H) Trigger Pull Test & Retainability						9/11/90	WB
	I) Firing Pin Indent	.0225	.0225	.0225			9/11/90	WB
	J) Assemble Stock						9/11/90	RW
	K) Assemble Swivel Studs						9/15/90	428
	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						9/11/90	RW
	P) Detach & Attach Scope 20 Times						9/11/90	RW
640	Gallery Target & Test						9-13-90	DH
	A) Time						9-13-90	DH
	B) Malfunctions						9-13-90	DH
	C) Pierced Primers						9-13-90	DH
	D) Optical Clarity of Scope						9-13-90	DH
645	Inspect for Live Ammo						9-13-90	DH
655	Final Inspection							
	A) Headspace						9/15/90	428
	B) Trigger Pull	2.38	2.40	2.38	2.40	2.44	9-15-90	921
	C) Function						9/15/90	428
660	Pack						9/19/90	NE