

06587583

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington
MODEL 700TM 124

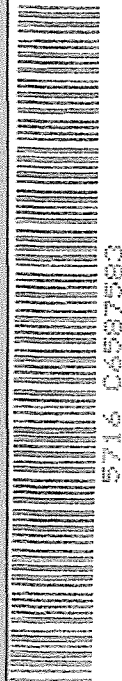
DUPONT
REG. U.S. PAT. & TM. OFF.

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

SERIAL NO.
06587583

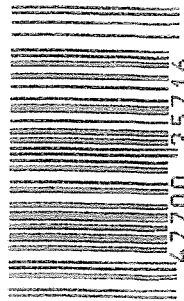
ORDER NO.
5716

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



5716 06587583

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6587583

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		10/19/90	Kd
600	Proof		10/19/90	Kd
607	Check Headspace		10/19/90	Kd
610	Dis-assemble Gun		10/19/90	Kd
612	Magnaflux Barrel Action		10/22/90	KR
	Magnaflux Bolt		10/22/90	KR
615	Rollmark Caliber		10/22/90	GS
617	Drill and Tap Sight Holes		10/23/90	WLB
618	Polish Barrel <i>RB</i>		10/24/90	WLB
620	Apply Coatings (Barrel Action)		11-7-90	JA
	Apply Coating (Bolt)		11-	JA
625	Final Assembly A) Clean inside of Bolt Assembly		11/7/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/7/90	KS
	C) Inspect Ejector Hole for Chamfer		11/7/90	KS
	D) Oil Firing Pin Ass'y		11/7/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		11/28/90	JA

op. #	OP. NAME	READINGS				DATE	INIT	
625 cont.	F) Safety On Force	4 3/4	4 1/2	4 1/2	11/28/90	W/B		
	G) Safety Off Force	2 1/2	2 1/4	2 1/4	11/28/90	W/B		
	H) Trigger Pull Test & Retainability				11/28/90	821		
	I) Firing Pin Indent	.0205	.021	.021	11/28/90	W/L		
	J) Assemble Stock				11/29/90	KA		
	K) Assemble Swivel Studs				12-4-90	928		
	L) Attach Front and Rear Sight Assemblies				11/29/90	KA		
	M) Iron Sight Alignment				11/29/90	KA		
	N) Detach Front & Rear Sights & place in numbered container				11/29/90	KA		
	O) Attach Scope to Rifle				11/29/90	KA		
	P) Detach & Attach Scope 20 Times				11/29/90	KA		
640	Gallery Target & Test				12-1-90	AC		
	A) Time				12-1-90	AC		
	B) Malfunctions				12-1-90	AC		
	C) Pierced Primers				12-1-90	AC		
	D) Optical Clarity of Scope				12-1-90	AC		
645	Inspect for Live Ammo				12-1-90	AC		
655	Final Inspection							
	A) Headspace				12-4-90	928		
	B) Trigger Pull	294	287	293	285	291	12-4-90	928
	C) Function						12-4-90	928
660	Pack						12-17-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06587583

DATE 11-28-90

TESTER JEF

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.35	2.33	2.32	2.94	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.35	2.34	2.87	
PULL #3	2.36	2.33	2.34	2.93	
PULL #4	2.41	2.33	2.33	2.85	
PULL #5	2.35	2.27	2.31	2.91	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.29		
PULL #2	3.26	3.28		
PULL #3	3.20	3.40		
PULL #4	3.32	3.27		
PULL #5	3.19	3.17		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.33		4.16
PULL #2	4.30	4.28		4.21
PULL #3	4.33	4.30		4.24
PULL #4	4.39	4.23		4.36
PULL #5	4.28	4.36		4.38
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6587583
1 Dec 1998

CENTROIDAL DISTANCES

0 TO	1	.250639
1 TO	2	.0460109
1 TO	3	.242019
1 TO	4	.304567
1 TO	5	.605607

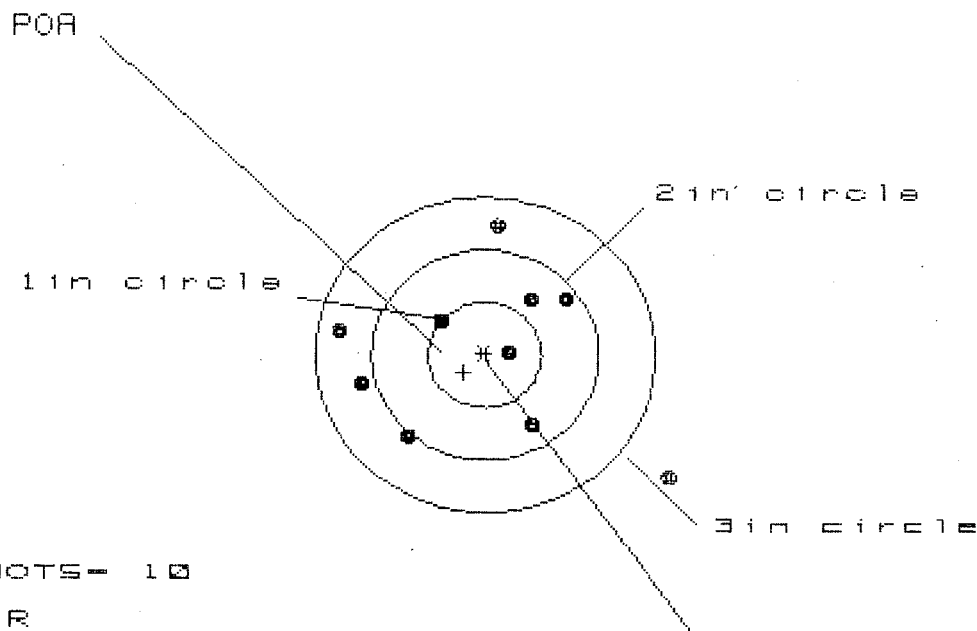
5 ← ³ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0086
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1536
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .153841
THE AMR FOR THIS RIFLE IS: .9946

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/065875B3

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.844

VS= 2.446

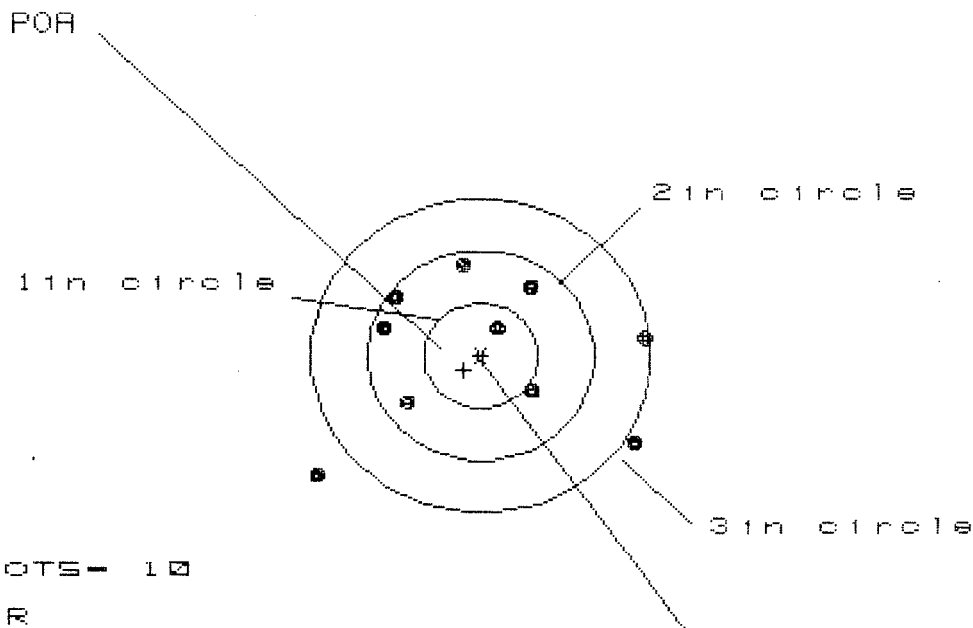
GS= 3.185

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.602	.891	.921
MINIMUM X	-1.242	-1.064	-1.034
MAXIMUM Y	1.272	1.142	.581
MINIMUM Y	-1.174	-.889	-.747
CENTROID X	.186	.008	-.022
CENTROID Y	.168	.298	.156
POA TO CENTROID in.	.251	.298	.157
MIN RADIUS	.236	.292	.380
MEAN RADIUS	.988	.865	.825
MAX RADIUS	1.986	1.167	1.072
HORIZONTAL SPREAD	2.844	1.955	1.955
VERTICAL SPREAD	2.446	2.031	1.328
EXTREME SPREAD	3.185	2.171	1.997
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587583

CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 1

2in = 7

3in = 8

HS = 2.830

VS = 1.942

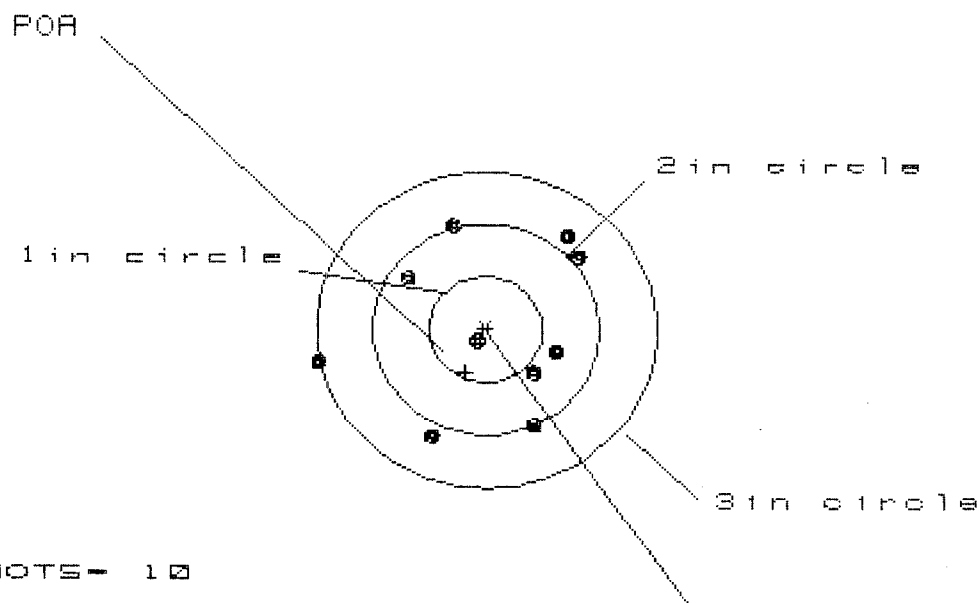
GS = 3.086

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.409	1.252	1.401
MINIMUM X	:	-1.421	-.978	-.829
MAXIMUM Y	:	.845	.723	.606
MINIMUM Y	:	-1.097	-.935	-.716
CENTROID X	:	.152	.310	.161
CENTROID Y	:	.137	.259	.376
POA TO CENTROID in.	:	.205	.404	.409
MIN RADIUS	:	.335	.177	.156
MEAN RADIUS	:	.999	.883	.775
MAX RADIUS	:	1.795	1.516	1.405
HORIZONTAL SPREAD	:	2.830	2.230	2.230
VERTICAL SPREAD	:	1.942	1.658	1.322
EXTREME SPREAD	:	3.086	2.494	2.234
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			8	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587583

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 5

3in = 9

HS= 2.339

VS= 2.028

GS= 2.558

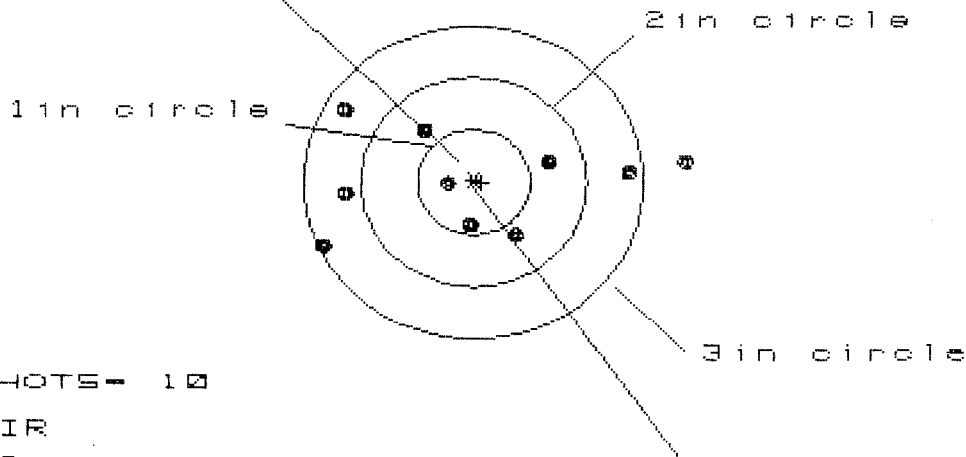
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.856	.691	.611
MINIMUM X	:	-1.483	-.805	-.885
MAXIMUM Y	:	1.028	.989	.859
MINIMUM Y	:	-1.000	-1.039	-1.091
CENTROID X	:	.183	.348	.428
CENTROID Y	:	.410	.449	.579
POA TO CENTROID in.	:	.449	.568	.720
MIN RADIUS	:	.119	.274	.413
MEAN RADIUS	:	.904	.827	.779
MAX RADIUS	:	1.524	1.221	1.099
HORIZONTAL SPREAD	:	2.339	1.496	1.496
VERTICAL SPREAD	:	2.028	2.028	1.950
EXTREME SPREAD	:	2.558	2.182	2.060
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587583

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1in = 2

2in = 5

3in = 9

HS = 3.292

VS = 1.282

GS = 3.383

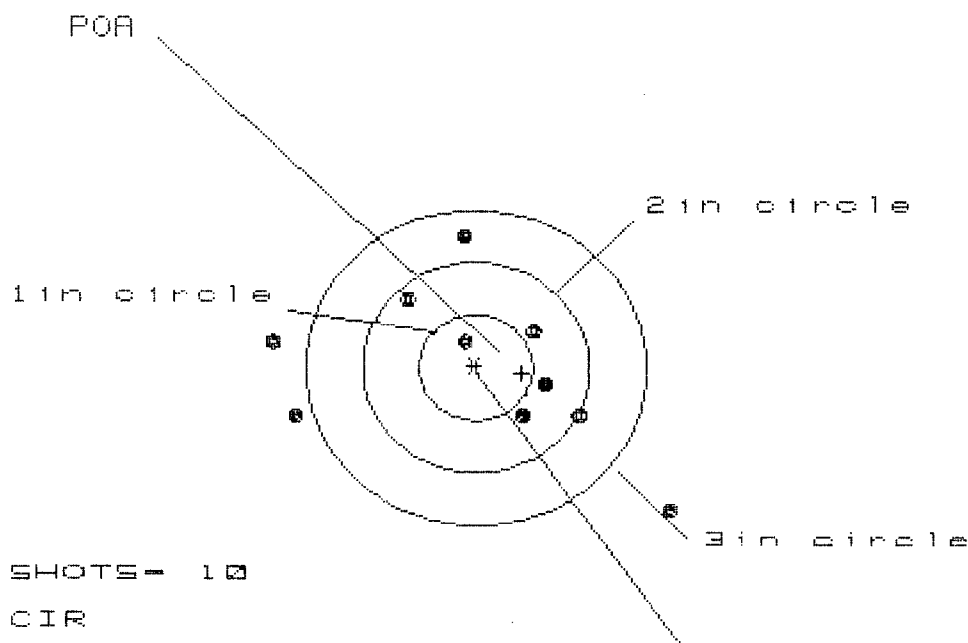
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.914	1.626	1.481
MINIMUM X	:	-1.378	-1.166	-1.109
MAXIMUM Y	:	.692	.713	.642
MINIMUM Y	:	-.590	-.569	-.546
CENTROID X	:	-.070	-.282	-.137
CENTROID Y	:	.003	-.018	.053
POA TO CENTROID in.	:	.070	.283	.146
MIN RADIUS	:	.263	.050	.211
MEAN RADIUS	:	.997	.860	.815
MAX RADIUS	:	1.923	1.632	1.482
HORIZONTAL SPREAD	:	3.292	2.792	2.589
VERTICAL SPREAD	:	1.282	1.282	1.188
EXTREME SPREAD	:	3.383	2.879	2.598
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

1 Dec 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6587583

CENTERFIRE PATTERNS

5



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 3.476

VS= 2.547

GS= 3.807

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.730	1.105	.910
MINIMUM X	:	-1.746	-1.554	-1.562
MAXIMUM Y	:	1.242	1.097	1.109
MINIMUM Y	:	-1.305	-.628	-.616
CENTROID X	:	-.408	-.600	-.405
CENTROID Y	:	.050	.195	.183
POA TO CENTROID in.	:	.411	.631	.445
MIN RADIUS	:	.290	.143	.178
MEAN RADIUS	:	1.085	.958	.845
MAX RADIUS	:	2.167	1.558	1.669
HORIZONTAL SPREAD	:	3.476	2.659	2.472
VERTICAL SPREAD	:	2.547	1.725	1.725
EXTREME SPREAD	:	3.807	2.757	2.472
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			7	