

C6523366

MODEL 700™ M24

Model **SMS**™

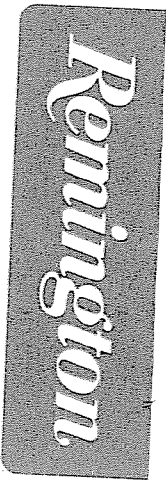
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



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

MODEL 700™ H24

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

DUPONT

SERIAL NO.
C6523366

ORDER NO.
5716

01

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

5716 C6523366

UPC
0 47700 25716 7

L 116

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6523366

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	10 2	90	RW
600	Proof	10 2	90	RW
607	Check Headspace	10 2	90	RW
610	Dis-assemble Gun	10 2	90	RW
612	Magnaflux Barrel Action		10-2-90	KR
	Magnaflux Bolt		10-2-90	KR
615	Rollmark Caliber		10-2-90	GL
617	Drill and Tap Sight Holes		10/4/90	FB
618	Polish Barrel <i>PB</i>		10/5/90	WB
620	Apply Coatings (Barrel Action)		10-20-90	TH
	Apply Coating (Bolt)		10-20-90	TH
625	Final Assembly A) Clean inside of Bolt Assembly		10/22/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/22/90	RW
	C) Inspect Ejector Hole for Chamfer		10/22/90	RW
	D) Oil Firing Pin Ass'y		10/22/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		11/7/90	JK

BARBER - M24 0026776

op. #	OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	4	4	4	11/1/90	WB		
	G) Safety Off Force	2 1/4	2 1/4	2	11/1/90	WB		
	H) Trigger Pull Test & Retainability				11/1/90	JF		
	I) Firing Pin Indent	.0205	.020	.0205	11/1/90	WB		
	J) Assemble Stock				11/5/90	RW		
	K) Assemble Swivel Studs				11/20/90	JS		
	L) Attach Front and Rear Sight Assemblies				11/5/90	RW		
	M) Iron Sight Alignment				11/5/90	RW		
	N) Detach Front & Rear Sights & place in numbered container				11/5/90	RW		
	O) Attach Scope to Rifle				11/5/90	RW		
	P) Detach & Attach Scope 20 Times				11/5/90	RW		
640	Gallery Target & Test				11-6-90	AC		
	A) Time				11-6-90	AC		
	B) Malfunctions				11-6-90	AC		
	C) Pierced Primers				11-6-90	AC		
	D) Optical Clarity of Scope				11-6-90	AC		
645	Inspect for Live Ammo				11-6-90	AC		
655	Final Inspection							
	A) Headspace				11/20/90	JS		
	B) Trigger Pull	228	221	226	221	220	11/20/90	JS
	C) Function						11/20/90	JS
660	Pack						12/17/90	RF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6523366

DATE 11/1/90

TESTER [Signature]

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.30	2.26	2.28	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.32	2.28	2.21	
PULL #3	2.53	2.32	2.38	2.26	
PULL #4	2.45	2.39	2.39	2.21	
PULL #5	2.51	2.29	2.42	2.20	
TOTAL	12.33	11.62	11.73		
AVG.	2.466	2.324	2.346		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.47	3.27		
PULL #2	3.50	3.30		
PULL #3	3.48	3.33		
PULL #4	3.10	3.33		
PULL #5	3.40	3.43		
TOTAL	16.95	16.66		
AVG.	3.39	3.332		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.18	4.19		4.30
PULL #2	4.25	4.33		4.45
PULL #3	4.50	4.40		4.39
PULL #4	4.39	4.22		4.44
PULL #5	4.29	4.43		4.47
TOTAL	21.61	21.57		22.05
AVG.	4.322	4.314		4.41

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523366
6 Nov 1990

CENTROIDAL DISTANCES

0 TO	1	.117388
1 TO	2	.497001
1 TO	3	.673167
1 TO	4	.470562
1 TO	5	.455748

4⁹
2
3 ← --POB

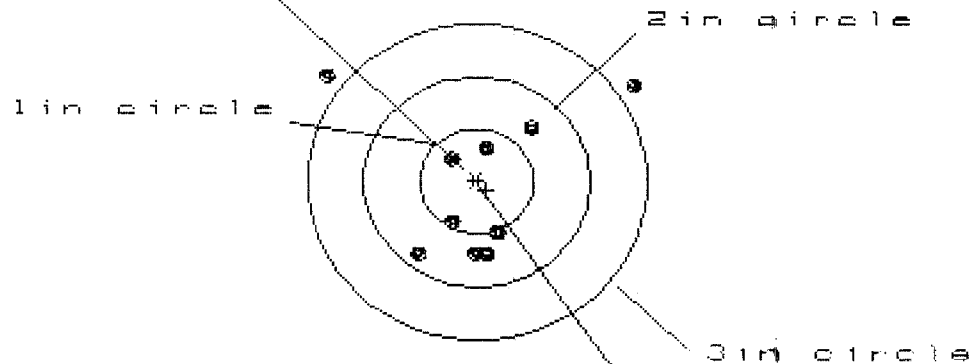
THE AVERAGE V_x FOR THIS RIFLE IS: .221
THE AVERAGE V_y FOR THIS RIFLE IS: -.04
THE RESULTING WEAPON POI RADIUS FOR THIS RIFLE IS:
THE AMR FOR THIS RIFLE IS: .904

6 Nov 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523366

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 8

HS= 2.688

VS= 1.707

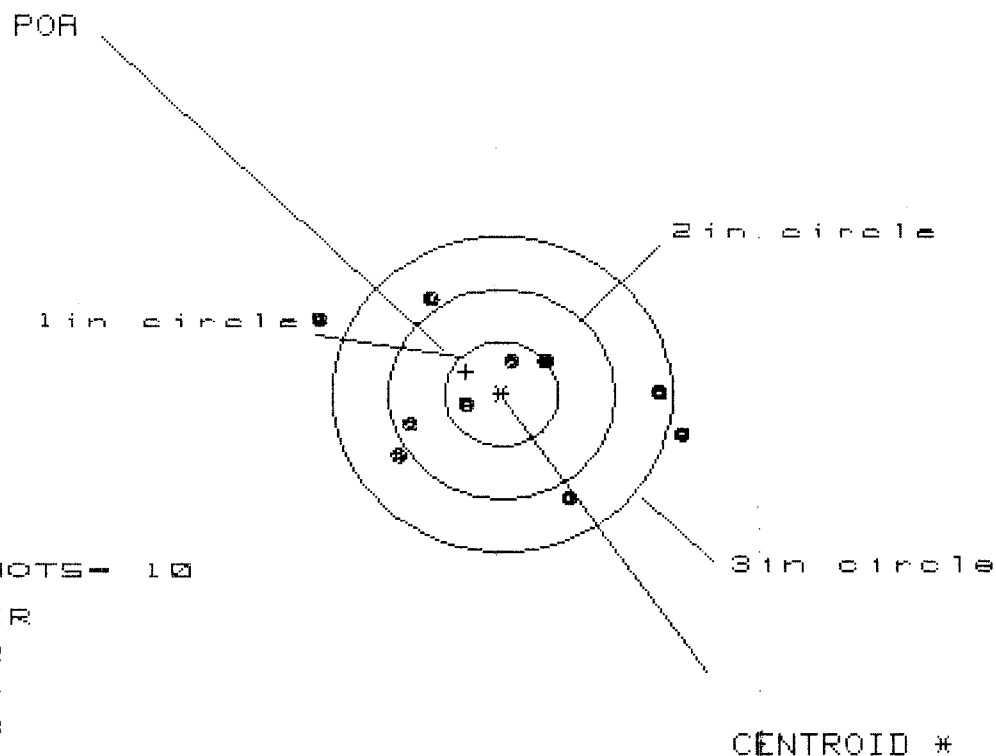
GS= 2.690

PATTERN #	:	1	2	3
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.417	.597	.459
MINIMUM X	:	-1.271	-1.114	-.494
MAXIMUM Y	:	.990	1.088	.724
MINIMUM Y	:	-.717	-.619	-.483
CENTROID X	:	-.082	-.239	-.140
CENTROID Y	:	.084	-.014	-.150
POA TO CENTROID in.	:	.117	.239	.180
MIN RADIUS	:	.313	.285	.244
MEAN RADIUS	:	.784	.667	.519
MAX RADIUS	:	1.667	1.557	.861
HORIZONTAL SPREAD	:	2.688	1.711	.756
VERTICAL SPREAD	:	1.707	1.707	1.012
EXTREME SPREAD	:	2.690	2.148	1.490
NUMBER IN ONE INCH CIRCLE	=	3		
NUMBER IN TWO INCH CIRCLE	=	8		
NUMBER IN THREE INCH CIRCLE	=	8		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 4

3 in = 8

HS= 3.222

VS= 1.833

GS= 3.424

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.625	1.448	1.437
MINIMUM X	:	-1.597	-1.044	-0.863
MAXIMUM Y	:	.876	.960	.921
MINIMUM Y	:	-.957	-.873	-.912
CENTROID X	:	.315	.492	.311
CENTROID Y	:	-.215	-.299	-.268
POA TO CENTROID in.	:	.381	.576	.405
MIN RADIUS	:	.304	.362	.346
MEAN RADIUS	:	1.008	.934	.833
MAX RADIUS	:	1.768	1.482	1.438
HORIZONTAL SPREAD	:	3.222	2.492	2.300
VERTICAL SPREAD	:	1.833	1.833	1.833
EXTREME SPREAD	:	3.424	2.546	2.369
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 1

2in = 2

3in = 9

HS= 2.623

VS= 1.972

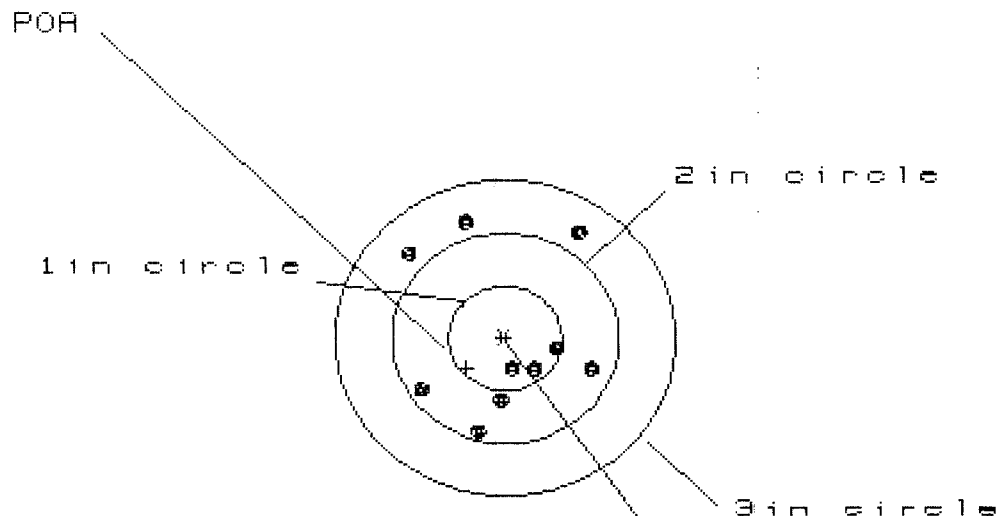
GS= 2.631

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.152	.989	.988
MINIMUM X	:	-1.471	-1.330	-1.207
MAXIMUM Y	:	.911	.963	1.052
MINIMUM Y	:	-1.061	-1.009	-.940
CENTROID X	:	.173	.336	.213
CENTROID Y	:	-.539	-.591	-.680
POA TO CENTROID in.	:	.566	.680	.713
MIN RADIUS	:	.430	.306	.299
MEAN RADIUS	:	1.101	1.020	.992
MAX RADIUS	:	1.542	1.463	1.395
HORIZONTAL SPREAD	:	2.623	2.319	2.114
VERTICAL SPREAD	:	1.972	1.972	1.972
EXTREME SPREAD	:	2.631	2.465	2.425
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		2	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 3

2in = 7

3in = 10

HS = 1.627

VS = 1.927

GS = 2.052

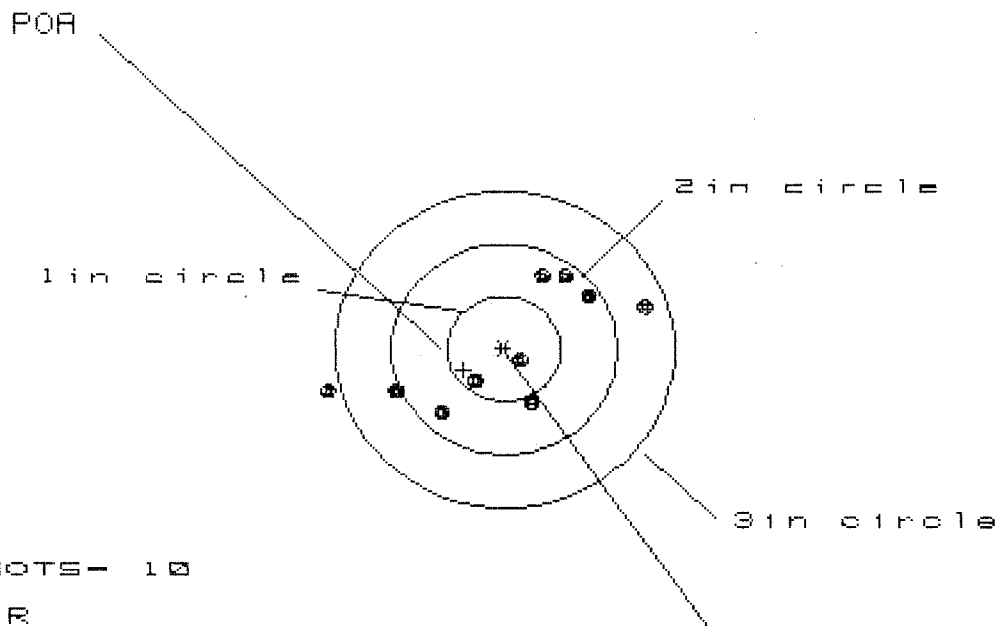
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.777	.848	.751
MINIMUM X	:	-.850	-.779	-.770
MAXIMUM Y	:	1.066	1.175	1.290
MINIMUM Y	:	-.861	-.752	-.687
CENTROID X	:	.343	.272	.369
CENTROID Y	:	.286	.177	.062
POA TO CENTROID in.	:	.447	.324	.374
MIN RADIUS	:	.280	.225	.077
MEAN RADIUS	:	.775	.710	.507
MAX RADIUS	:	1.176	1.206	1.342
HORIZONTAL SPREAD	:	1.627	1.627	1.521
VERTICAL SPREAD	:	1.927	1.927	1.927
EXTREME SPREAD	:	2.052	1.968	1.980
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			7	
NUMBER IN THREE INCH CIRCLE =			10	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 2

2in = 7

3in = 9

HS= 2.801

VS= 1.343

GS= 2.904

CENTROID *

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.285	1.116	.665
MINIMUM X	:	-1.516	-1.108	-.968
MAXIMUM Y	:	.741	.699	.742
MINIMUM Y	:	-.602	-.644	-.601
CENTROID X	:	.359	.528	.380
CENTROID Y	:	.199	.241	.197
POA TO CENTROID in.	:	.411	.580	.425
MIN RADIUS	:	.207	.183	.165
MEAN RADIUS	:	.852	.758	.698
MAX RADIUS	:	1.563	1.206	1.061
HORIZONTAL SPREAD	:	2.801	2.224	1.633
VERTICAL SPREAD	:	1.343	1.343	1.343
EXTREME SPREAD	:	2.904	2.372	1.893
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	