

C6649017

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5715

*Includes 1 in chamber.

Remington

Remington  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.

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

SERIAL NO. C6649017	ORDER NO. 5716
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5716 C6649017

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649017

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KL
600	Proof		7/24/91	KL
607	Check Headspace		7/24/91	KL
610	Dis-assemble Gun		7/24/91	KL
612	Magnaflux Barrel Action		AUG 7 1991	KP
	Magnaflux Bolt		AUG 7 1991	KP
615	Rollmark Caliber		AUG 7 1991	SS
617	Drill and Tap Sight Holes		AUG 7 1991	LB
618	Polish Barrel		AUG 13 1991	WB
620	Apply Coatings (Barrel Action)		7/27/91	DA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KL
	C) Inspect Ejector Hole for Chamfer		8/29/91	KL
	D) Oil Firing Pin Ass'y		8/29/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		9/4/91	KL

op. #	BARBER M24 0030678	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			9/4/91	JK
	G) Safety Off Force	4	4	4			9/4/91	JK
	H) Trigger Pull Test & Retainability						9/4/91	JK
	I) Firing Pin Indent	.0205	.0215	.0215			9/4/91	JK
	J) Assemble Stock						9/10/91	JK
	K) Assemble Swivel Studs						9-12-91	D/H
	L) Attach Front and Rear Sight Assemblies						9/10/91	JK
	M) Iron Sight Alignment						9/10/91	JK
	N) Detach Front & Rear Sights & place in numbered container						9/10/91	JK
	O) Attach Scope to Rifle						9/10/91	JK
	P) Detach & Attach Scope 20 Times						9/10/91	JK
640	Gallery Target & Test						9-11-91	D/H
	A) Time						9-11-91	D/H
	B) Malfunctions						9-11-91	D/H
	C) Pierced Primers						9-11-91	D/H
	D) Optical Clarity of Scope						9-11-91	D/H
645	Inspect for Live Ammo						9-11-91	D/H
655	Final Inspection							
	A) Headspace						9-12-91	D/H
	B) Trigger Pull	2.42	2.43	2.37	2.35	2.47	9-12-91	JK
	C) Function						9-12-91	D/H
660	Pack						9-19-91	D/H

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649017
11 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.329838
1 TO	2	.474849
1 TO	3	.381414
1 TO	4	.55187
1 TO	5	.508575

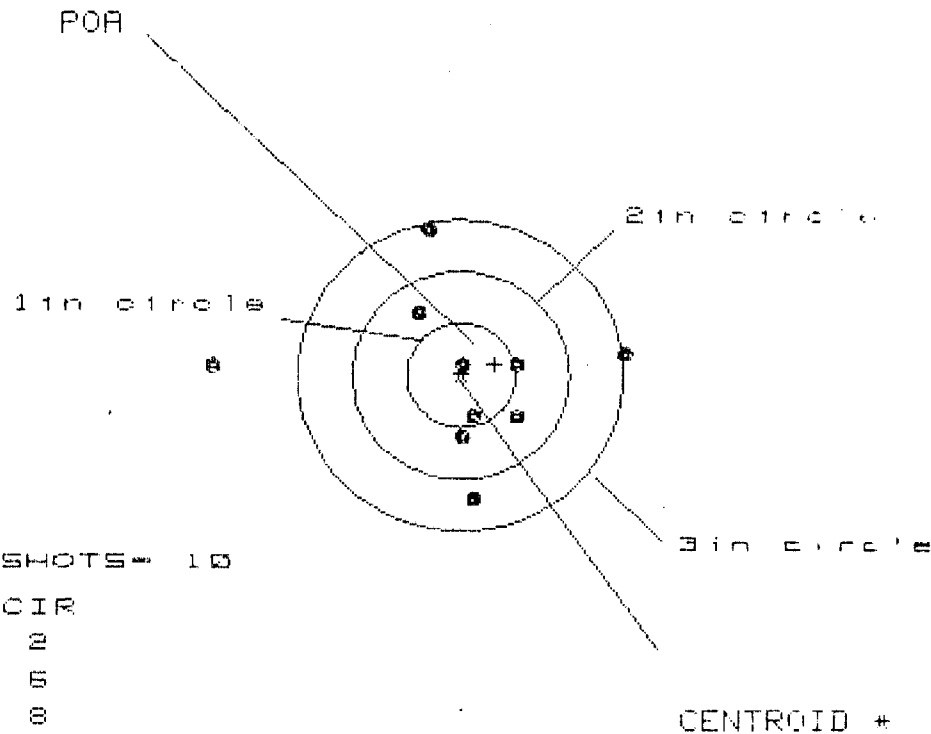
175 <----FOR

COORDINATE FOR THIS RIFLE IS: .0404
COORDINATE FOR THIS RIFLE IS: -.1428
BASE POI RADIUS FOR THIS RIFLE IS: .14840
I : 1.08

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FILE:/PATTERNING/CENTERFIRE_PATT/C8649017

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 8

HS = 3.790

VS = 2.619

GS = 3.792

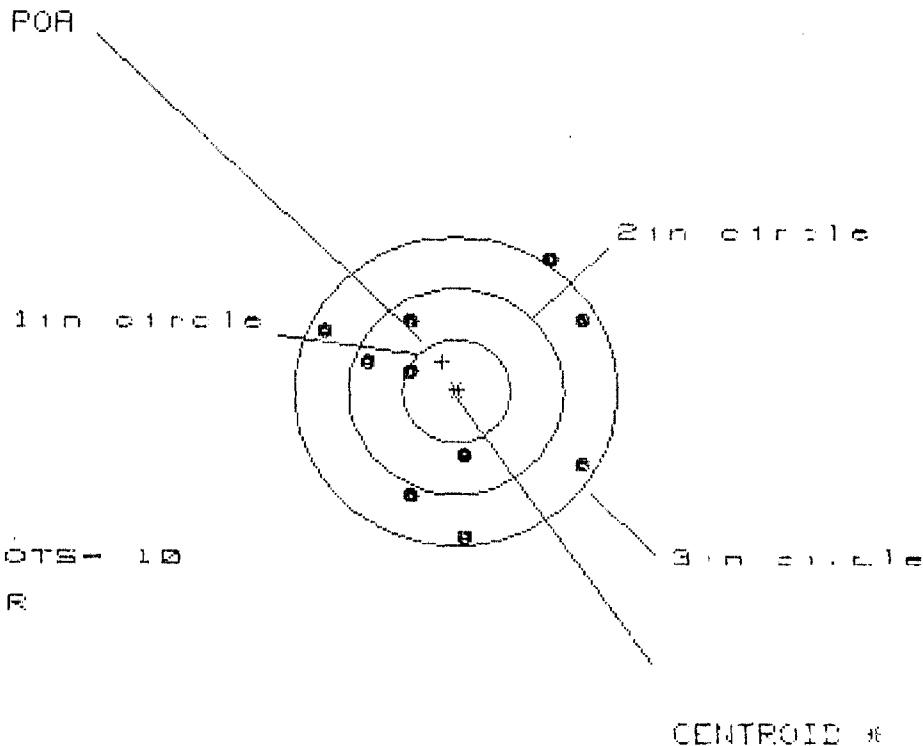
CENTROID +

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.510	1.256	.461
MINIMUM X	-2.280	-.658	-.500
MAXIMUM Y	1.411	1.423	1.451
MINIMUM Y	-1.208	-1.196	-1.168
CENTROID X	-.312	-.058	-.215
CENTROID Y	-.107	-.119	-.147
MAX. CENTROID DIST.	.330	.132	.261
MIN. CENTROID DIST.	.163	.262	.199
MAX. DIST. FROM CENTER	.960	.776	.707
MIN. DIST. FROM CENTER	2.283	1.514	1.495
MAX. DIST. FROM CENTER	3.790	1.914	.962
MIN. DIST. FROM CENTER	2.619	2.619	2.619
MAX. DIST. FROM CENTER	3.792	2.646	2.646
MAX. DIST. FROM CENTER		2	
MIN. DIST. FROM CENTER		6	
MAX. DIST. FROM CENTER		8	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS= 2.400

VS= 2.757

GS= 2.863

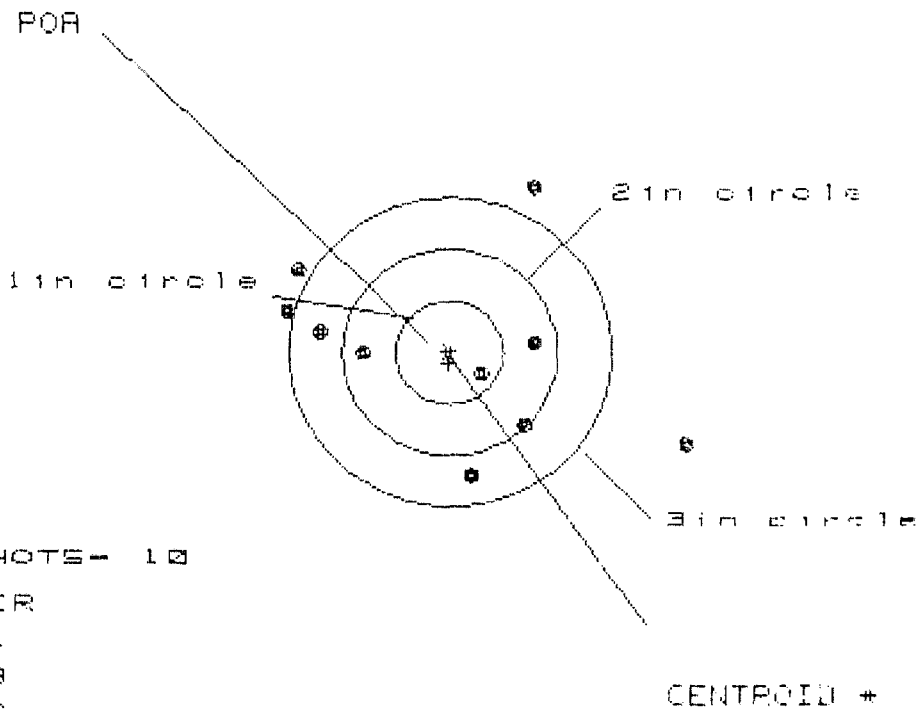
CENTROID *

PATTERN #	2
SHOTS (BEST OF)	10
MAXIMUM X	1.197
MINIMUM X	-1.203
MAXIMUM Y	1.333
MINIMUM Y	-1.424
CENTROID X	.127
CENTROID Y	-.288
FOR TO CENTROID in.	.315
MIN RADIUS	.495
MEAN RADIUS	1.098
MA RADIUS	1.587
HORIZONTAL SPREAD	2.400
VERTICAL SPREAD	2.757
EXTREME SPREAD	2.863
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9

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FILE: PATTERNING/CENTERFIRE_PATT/C6649017

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in = 1

2in = 3

3in = 6

HS = 3.729

VS = 2.732

GS = 3.997

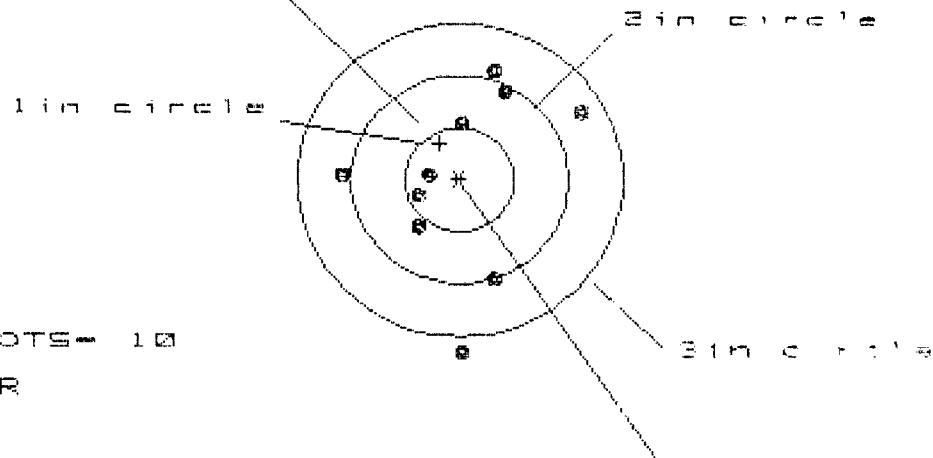
PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.201	1.029	1.131
MINIMUM X	-1.528	-1.284	-1.155
MAXIMUM Y	1.566	1.470	.868
MINIMUM Y	-1.166	-1.262	-1.079
CENTROID X	.009	-.235	-.364
CENTROID Y	.099	.195	.012
POA TO CENTROID in.	.099	.306	.364
MIN RADIUS	.335	.537	.410
MEAN RADIUS	1.263	1.132	1.023
MAX RADIUS	2.367	1.794	1.374
HORIZONTAL SPREAD	3.729	2.313	2.286
VERTICAL SPREAD	2.732	2.732	1.947
EXTREME SPREAD	3.997	2.794	2.646
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	6		

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CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS = 2.274

VS = 2.685

GS = 2.706

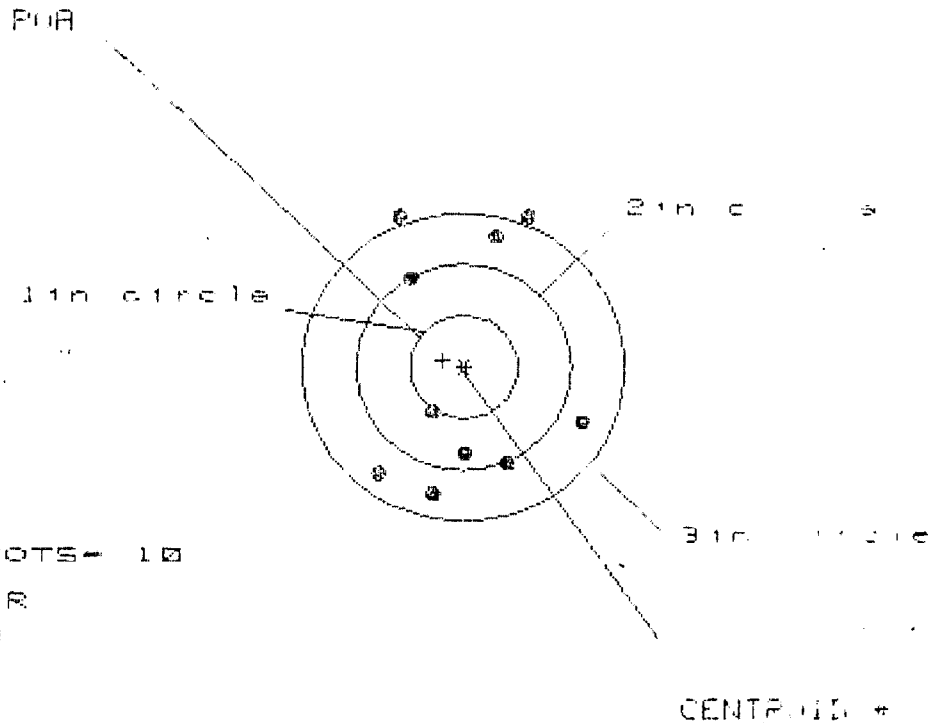
CENTROID #

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.148	1.145	.602
MINIMUM X	-1.126	-1.129	-.986
MAXIMUM Y	1.080	.902	.959
MINIMUM Y	-1.605	-1.170	-1.113
CENTROID X	.193	.186	.043
CENTROID Y	-.351	-.173	-.230
POA TO CENTROID in.	.396	.254	.234
MIN RADIUS	.321	.332	.178
MEAN RADIUS	.911	.815	.733
MAX RADIUS	1.605	1.234	1.215
HORIZONTAL SPREAD	2.274	2.274	1.588
VERTICAL SPREAD	2.685	2.072	2.072
EXTREME SPREAD	2.706	2.349	2.072
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 3

3 in = 8

HS = 1.834

VS = 2.730

GS = 2.838

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.098	1.024	1.085
MINIMUM X	-1.746	-1.810	-1.749
MAXIMUM Y	1.514	1.642	1.593
MINIMUM Y	-1.216	-1.047	-1.240
CENTROID X	.125	.250	.110
CENTROID Y	-.067	-.236	-.441
POA TO CENTROID IN.	.246	.350	.400
MIN RADIUS	.556	.477	.328
MEAN RADIUS	1.166	1.079	.934
MAX RADIUS	1.621	1.714	1.630
HORIZONTAL SPREAD	1.834	1.834	1.834
VERTICAL SPREAD	2.730	2.600	2.105
DIAMETER SPREAD	2.838	2.838	2.518
DOTS IN ONE INCH CIRCLE	0	0	0
DOTS IN TWO INCH CIRCLE	3	3	3
DOTS IN THREE INCH CIRCLE	8	8	8

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 0-6649017

DATE 9-4-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.46	2.44	2.47	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.51	2.32	2.48	2.35	
PULL #3	2.53	2.37	2.46	2.37	
PULL #4	2.47	2.41	2.40	2.43	
PULL #5	2.48	2.39	2.48	2.42	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.41	3.51		
PULL #2	3.37	3.20		
PULL #3	3.33	3.29		
PULL #4	3.39	3.33		
PULL #5	3.20	3.31		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.32	4.42		4.42
PULL #2	4.37	4.35		4.45
PULL #3	4.38	4.37		4.44
PULL #4	4.33	4.42		4.44
PULL #5	4.38	4.43		4.50
TOTAL				
AVG.				