

C6636023

MODEL 700™ M24

Model SMS™

Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



BARBER - M24 0036790

UPC



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



Remington

MODEL 700TM H24

SERIAL NO.
C6636023

ORDER NO.
5716

20

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



5716 C6636023

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 003679036829

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636023

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	4 8 91		RW
600	Proof			RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action		APR 9 1991	KR
	Magnaflux Bolt		APR 9 1991	LC
615	Rollmark Caliber		APR 9 1991	GL
617	Drill and Tap Sight Holes		APR 19 1991	Sub
618	Polish Barrel		APR 19 1991	WLB
620	Apply Coatings (Barrel Action)		5-10-91	TA
	Apply Coating (Bolt)			P
625	Final Assembly			
	A) Clean inside of Bolt Assembly		5/14/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/14/91	RW
	C) Inspect Ejector Hole for Chamfer		5/14/91	RW
	D) Oil Firing Pin Ass'y		5/14/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		5/28/91	RW

op. #	BARBER - M24 0036792 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			5-28-91	DH
	G) Safety Off Force	4	4	4			5-28-91	DH
	H) Trigger Pull Test & Retainability						6/28/91	JF
	I) Firing Pin Indent	.020	.022	.022			5-28-91	DH
	J) Assemble Stock						5/28/91	Ru
	K) Assemble Swivel Studs						6-1-91	DH
	L) Attach Front and Rear Sight Assemblies						5/28/91	Ru
	M) Iron Sight Alignment						5/28/91	Ru
	N) Detach Front & Rear Sights & place in numbered container						5/28/91	Ru
	O) Attach Scope to Rifle						5/28/91	Ru
	P) Detach & Attach Scope 20 Times						5/28/91	Ru
640	Gallery Target & Test						5-29-91	AF
	A) Time						5-29-91	AF
	B) Malfunctions						5-29-91	AF
	C) Pierced Primers						5-29-91	AF
	D) Optical Clarity of Scope						5-29-91	AF
645	Inspect for Live Ammo						5-29-91	AF
655	Final Inspection						6-1-91	DH
	A) Headspace						6-1-91	DH
	B) Trigger Pull	2.23	2.18	2.18	2.26	2.18	6/1/91	JF
	C) Function						6-1-91	DH
660	Pack						6-19-91	AF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636023

DATE 5/28/91

TESTER JU.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.38	2.33	2.48	2.23	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.56	2.40	2.18	
PULL #3	2.37	2.40	2.51	2.18	
PULL #4	2.47	2.61	2.46	2.26	
PULL #5	2.56	2.44	2.48	2.18	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.44	3.55		
PULL #2	3.54	3.34		
PULL #3	3.29	3.33		
PULL #4	3.39	3.49		
PULL #5	3.47	3.52		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.31	4.22		4.40
PULL #2	4.30	4.34		4.43
PULL #3	4.31	4.35		4.45
PULL #4	4.31	4.40		4.48
PULL #5	4.33	4.38		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6636023
29 May 1991

CENTROIDAL DISTANCES

0	TO	1	.443465
1	TO	2	.496065
1	TO	3	.365548
1	TO	4	.317624
1	TO	5	.525647

$\frac{1}{5}$

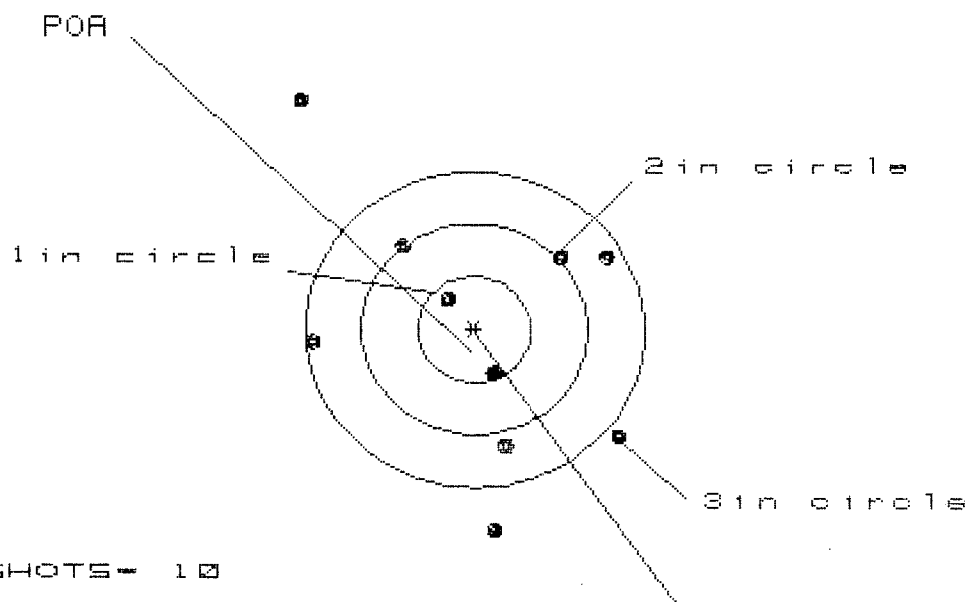
<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1646
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .085
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .185252
THE AMR FOR THIS RIFLE IS: .9978

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636023

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 2

3 in = 7

HS = 2.730

VS = 4.158

GS = 4.475

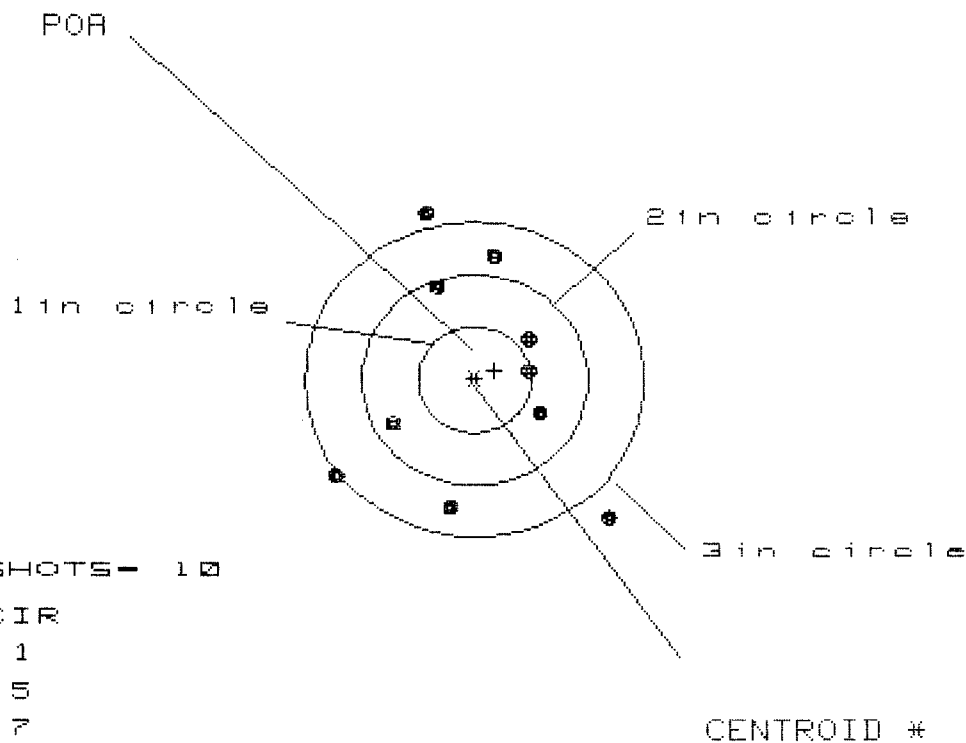
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.231	1.064	1.063
MINIMUM X	-1.499	-1.560	-1.561
MAXIMUM Y	2.199	1.020	.806
MINIMUM Y	-1.959	-1.715	-1.068
CENTROID X	-.169	-.002	-.001
CENTROID Y	.410	.166	.380
POA TO CENTROID in.	.444	.166	.380
MIN RADIUS	.346	.210	.422
MEAN RADIUS	1.304	1.127	1.047
MAX RADIUS	2.661	1.715	1.562
HORIZONTAL SPREAD	2.730	2.624	2.624
VERTICAL SPREAD	4.158	2.735	1.874
EXTREME SPREAD	4.475	2.853	2.793
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	2		
NUMBER IN THREE INCH CIRCLE =	7		

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06636023

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in - 1

2in - 5

3in - 7

HS- 2.434

VS- 2.963

GS- 3.397

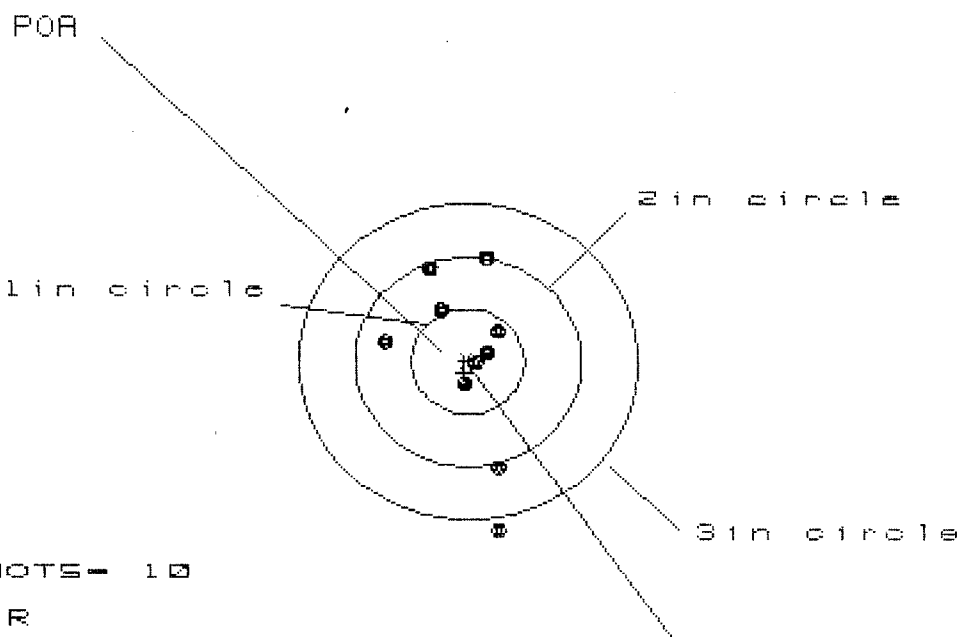
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.221	.720	.682
MINIMUM X	:	-1.213	-1.078	-1.116
MAXIMUM Y	:	1.618	1.469	1.190
MINIMUM Y	:	-1.345	-1.313	-1.129
CENTROID X	:	-.177	-.312	-.274
CENTROID Y	:	-.086	.063	-.120
POA TO CENTROID in.	:	.197	.319	.300
MIN RADIUS	:	.437	.576	.538
MEAN RADIUS	:	1.087	1.006	.933
MAX RADIUS	:	1.816	1.530	1.435
HORIZONTAL SPREAD	:	2.434	1.798	1.798
VERTICAL SPREAD	:	2.963	2.782	2.319
EXTREME SPREAD	:	3.397	2.791	2.528
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636023

CENTERFIRE PATTERNS # 3



OF SHOTS - 10

IN CIR

1in - 4

2in - 7

3in - 9

HS - 1.017

VS - 2.669

GS - 2.669

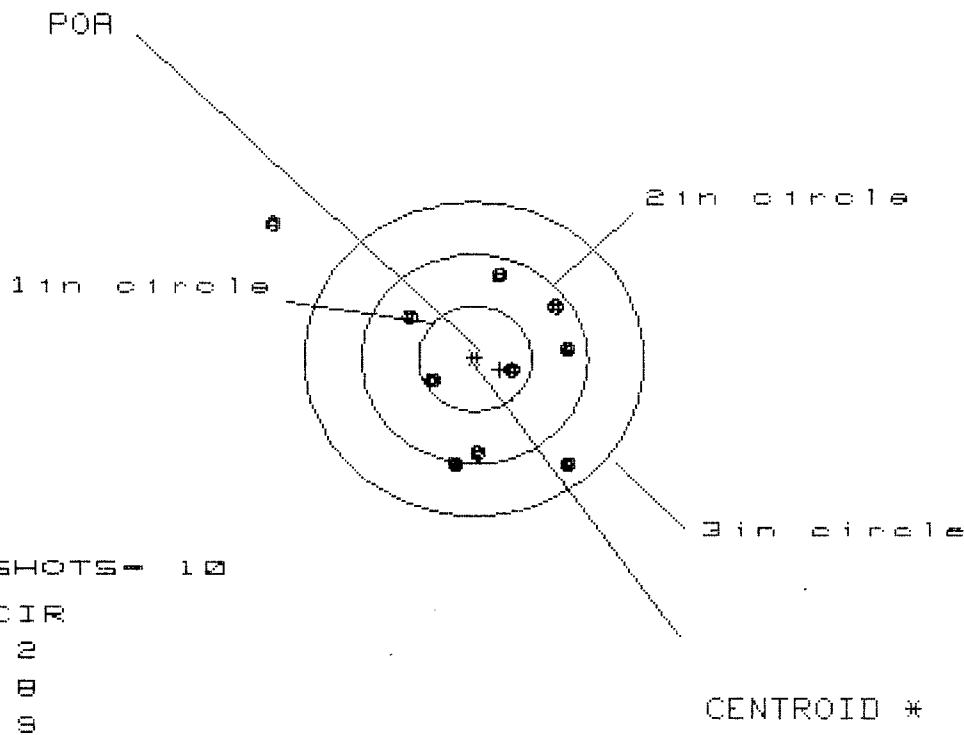
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.295	.321	.346
MINIMUM X	:	-.721	-.696	-.656
MAXIMUM Y	:	1.017	.833	.685
MINIMUM Y	:	-1.652	-1.182	-.523
CENTROID X	:	.034	.008	-.032
CENTROID Y	:	.106	.289	.437
POA TO CENTROID in.	:	.111	.289	.438
MIN RADIUS	:	.050	.224	.216
MEAN RADIUS	:	.675	.558	.477
MAX RADIUS	:	1.668	1.225	.738
HORIZONTAL SPREAD	:	1.017	1.017	1.002
VERTICAL SPREAD	:	2.669	2.015	1.208
EXTREME SPREAD	:	2.669	2.017	1.263
NUMBER IN ONE INCH CIRCLE	=		4	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636023

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in - 9

HS= 2.578

VS= 2.270

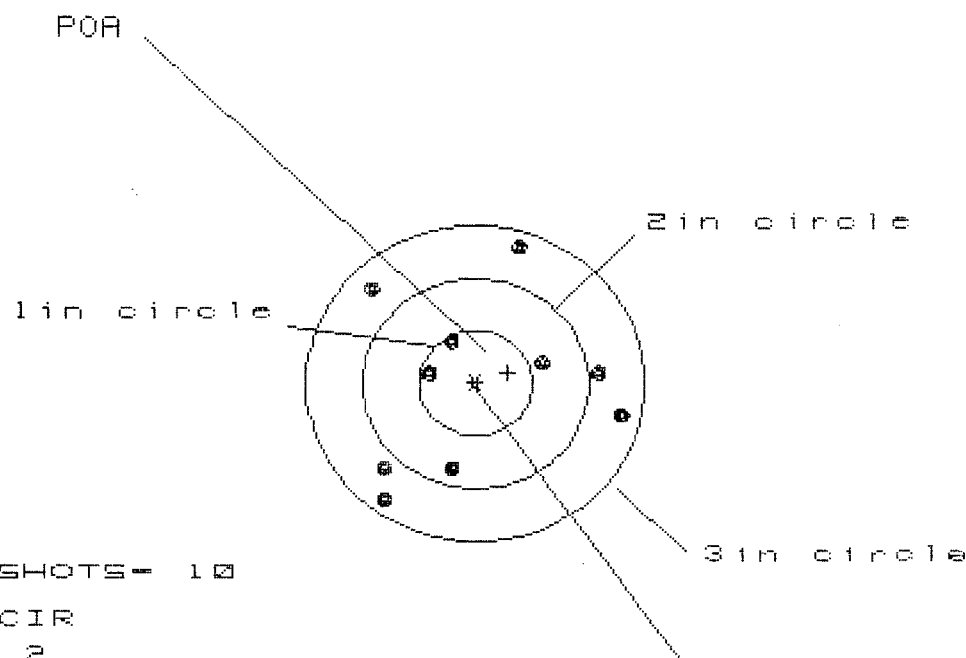
GS= 3.387

PATTERN #	1	4	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.839	.646	.721
MINIMUM X	:	-1.739	-.775	-.700
MAXIMUM Y	:	1.302	.959	.858
MINIMUM Y	:	-.968	-.823	-.924
CENTROID X	:	-.223	-.030	-.105
CENTROID Y	:	.097	-.048	.053
POA TO CENTROID in.	:	.243	.057	.117
MIN RADIUS	:	.355	.150	.229
MEAN RADIUS	:	.937	.763	.730
MAX RADIUS	:	2.172	1.003	.984
HORIZONTAL SPREAD	:	2.578	1.421	1.421
VERTICAL SPREAD	:	2.270	1.782	1.782
EXTREME SPREAD	:	3.387	1.947	1.838
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

29 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6636023

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 2

2 in = 4

3 in = 10

HS = 2.209

VS = 2.351

GS = 2.608

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.320	1.250	1.312
MINIMUM X	:	-.889	-.743	-.681
MAXIMUM Y	:	1.292	1.262	1.009
MINIMUM Y	:	-1.059	-1.089	-.932
CENTROID X	:	-.288	-.434	-.496
CENTROID Y	:	-.102	-.072	-.229
POA TO CENTROID in.	:	.305	.440	.547
MIN RADIUS	:	.402	.253	.268
MEAN RADIUS	:	.986	.924	.865
MAX RADIUS	:	1.348	1.355	1.330
HORIZONTAL SPREAD	:	2.209	1.993	1.993
VERTICAL SPREAD	:	2.351	2.351	1.941
EXTREME SPREAD	:	2.608	2.608	2.209
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		10	