

C6649013

MODEL 700™ M24

Model **SAS**™

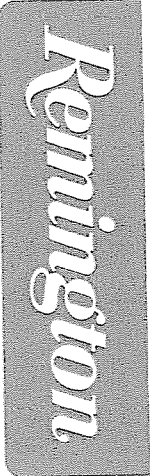
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0030630

Remington®
REG. U.S. PAT. & TM. OFF.

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

MODEL 700™ M24

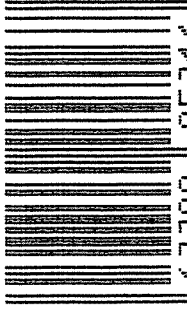
SERIAL NO.
C6649013

ORDER NO.
5716

20

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

5716 C6649013



UPC

0 47700 25716 2

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 ~~0030630~~ 0030669

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649013

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	7 2	9 1	RW
600	Proof	7 2	9 1	RW
607	Check Headspace	7 2	9 1	RW
610	Dis-assemble Gun	7 2	9 1	RW
612	Magnaflux Barrel Action		JUL 22 1991	LS
	Magnaflux Bolt		JUL 22 1991	LS
615	Rollmark Caliber		JUL 22 1991	LS
617	Drill and Tap Sight Holes		JUL 22 1991	LB
618	Polish Barrel		7/22/91	WB
620	Apply Coatings (Barrel Action)		8-22-91	LS
	Apply Coating (Bolt)		8-22-91	LS
625	Final Assembly A) Clean inside of Bolt Assembly		8/28/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/28/91	RW
	C) Inspect Ejector Hole for Chamfer		8/28/91	RW
	D) Oil Firing Pin Ass'y		8/28/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/31/91	TH

op. #	BARBER - M24 0030632	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	5 1/2	6			8-31-91	DH
	G) Safety Off Force	2 1/2	2 1/2	2 3/4			8-31-91	DH
	H) Trigger Pull Test & Retainability						8/31/91	RU
	I) Firing Pin Indent	.022	.021	.021			8-31-91	DH
	J) Assemble Stock						8/31/91	RW
	K) Assemble Swivel Studs						8-4-91	DH
	L) Attach Front and Rear Sight Assemblies						8/31/91	RW
	M) Iron Sight Alignment						8/31/91	RW
	N) Detach Front & Rear Sights & place in numbered container						8/31/91	RW
	O) Attach Scope to Rifle						8/31/91	RW
	P) Detach & Attach Scope 20 Times						8/31/91	RW
640	Gallery Target & Test						8-3-91	AC
	A) Time						8-3-91	AC
	B) Malfunctions						8-3-91	AC
	C) Pierced Primers						8-3-91	AC
	D) Optical Clarity of Scope						8-3-91	AC
645	Inspect for Live Ammo						8-3-91	AC
655	Final Inspection							
	A) Headspace						8-4-91	DH
	B) Trigger Pull	2.33	2.16	2.19	2.17	2.19	8-3-91	DH
	C) Function						8-4-91	DH
660	Pack						8-11-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06649013

DATE 8-30-90

TESTER JAL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.52	2.57	2.50	233	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.54	2.63	2.45	216	
PULL #3	2.66	2.59	2.58	219	
PULL #4	2.65	2.61	2.50	217	
PULL #5	2.67	2.51	2.55	219	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.30	3.57		
PULL #2	3.48	3.45		
PULL #3	3.58	3.58		
PULL #4	3.60	3.48		
PULL #5	3.60	3.57		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.53		4.51
PULL #2	4.23	4.51		4.56
PULL #3	4.20	4.55		4.52
PULL #4	4.49	4.45		4.57
PULL #5	4.58	4.49		4.56
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649013
3 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.166481
1 TO	2	.588634
1 TO	3	.365591
1 TO	4	.0822192
1 TO	5	.0334215

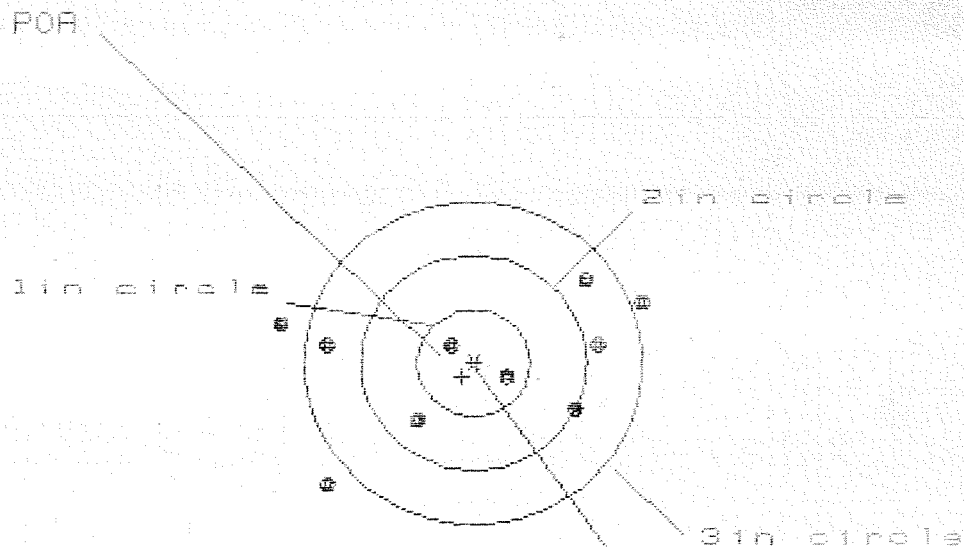
#³₂ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .2758
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1742
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .326207
THE AMR FOR THIS RIFLE IS: .9882

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06849013

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1in = 2

2in = 3

3in = 7

HS= 3.248

VS= 1.971

GS= 3.324

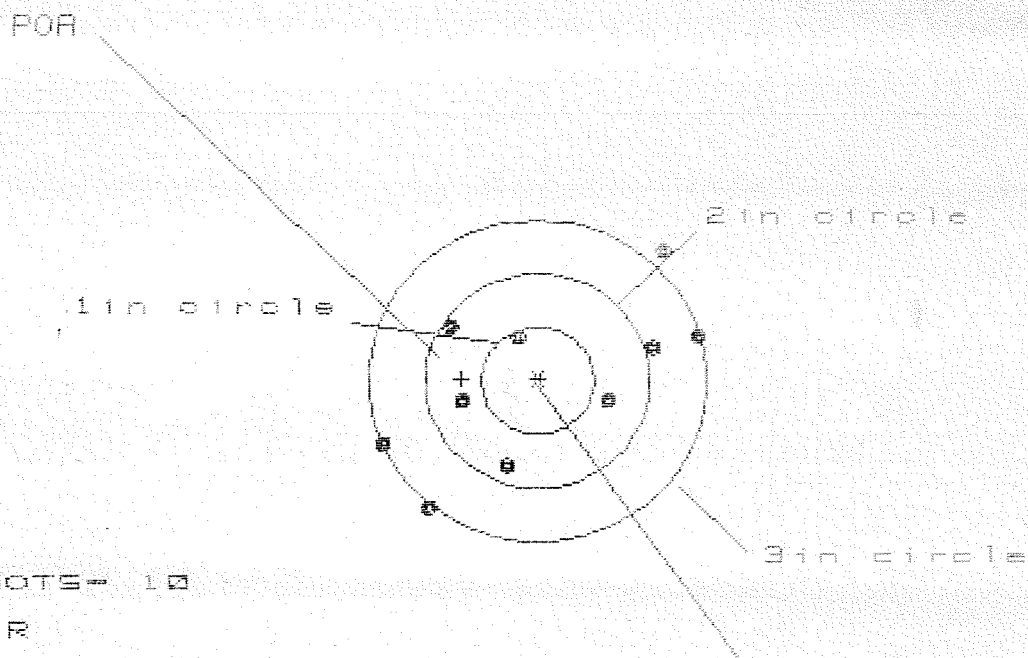
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.536	1.346	1.161
MINIMUM X	-1.712	-1.481	-1.648
MAXIMUM Y	.882	.838	.697
MINIMUM Y	-1.169	-1.133	-1.679
CENTROID X	.184	.294	.479
CENTROID Y	.138	.094	.236
POA TO CENTROID in.	.166	.309	.534
MIN RADIUS	.219	.128	.211
MEAN RADIUS	1.113	1.018	.898
MAX RADIUS	1.742	1.865	1.641
HORIZONTAL SPREAD	3.248	2.827	2.801
VERTICAL SPREAD	1.971	1.971	1.375
EXTREME SPREAD	3.324	3.324	2.932
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		7	

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08649013

CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1in = 1

2in = 5

3in = 7

HS= 2.769

VS= 2.322

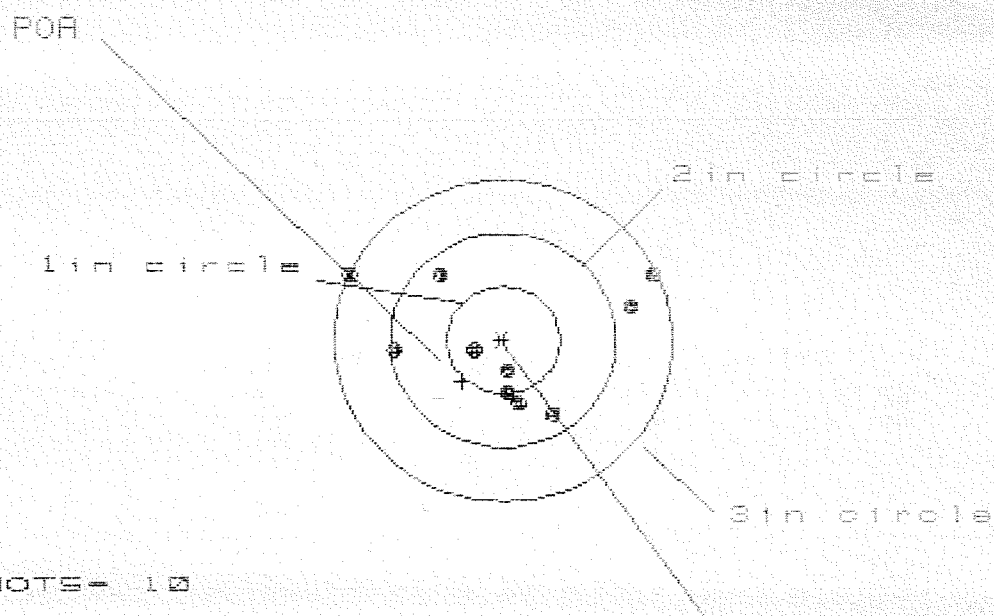
GS= 3.147

PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.443	1.570	1.328
MINIMUM X	-1.326	-1.199	-1.003
MAXIMUM Y	1.178	.614	.686
MINIMUM Y	-1.144	-1.013	-.941
CENTROID X	.675	.548	.352
CENTROID Y	-.013	-.144	-.216
POA TO CENTROID in.	.675	.567	.413
MIN RADIUS	.489	.510	.317
MEAN RADIUS	1.072	.991	.873
MAX RADIUS	1.641	1.673	1.413
HORIZONTAL SPREAD	2.769	2.769	2.331
VERTICAL SPREAD	2.322	1.627	1.627
EXTREME SPREAD	3.147	2.953	2.484
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/CGB45013

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS = 2.752

VS = 1.377

GS = 2.752

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	1.370
MINIMUM X	-1.382
MAXIMUM Y	.648
MINIMUM Y	-.729
CENTROID X	.365
CENTROID Y	.386
POA TO CENTROID in.	.531
MIN RADIUS	.297
MEAN RADIUS	.859
MAX RADIUS	1.516
HORIZONTAL SPREAD	2.752
VERTICAL SPREAD	1.377
EXTREME SPREAD	2.752
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	8

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649013

CENTERFIRE PATTERNS

4

POR

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 8

HS= 2.357

VS= 2.991

GS= 3.050

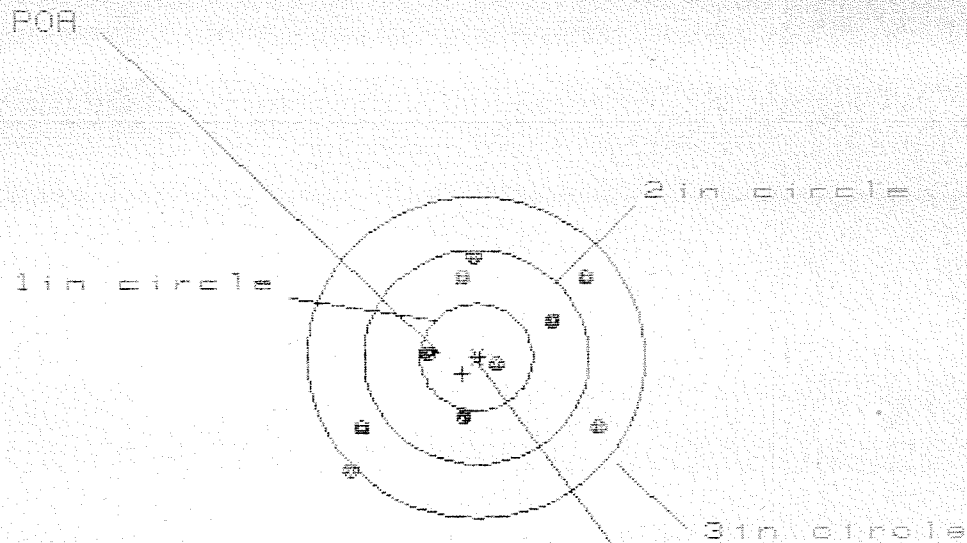
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.361	1.383	1.336
MINIMUM X	:	-1.996	-1.974	-1.021
MAXIMUM Y	:	1.538	1.166	1.006
MINIMUM Y	:	-1.453	-1.282	-1.062
CENTROID X	:	.110	.088	.135
CENTROID Y	:	.212	.041	.201
POR TO CENTROID in.	:	.239	.097	.242
MIN RADIUS	:	.094	.194	.068
MEAN RADIUS	:	1.012	.955	.882
MAX RADIUS	:	1.551	1.409	1.404
HORIZONTAL SPREAD	:	2.357	2.357	2.357
VERTICAL SPREAD	:	2.991	2.448	2.068
EXTREME SPREAD	:	3.050	2.586	2.401
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

3 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649013

CENTERFIRE PATTERNS # 5



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 2.197

VS= 1.995

GS= 2.745

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.039	.910	.764
MINIMUM X	-1.158	-1.166	-.688
MAXIMUM Y	.969	.855	.756
MINIMUM Y	-1.026	-.792	-.832
CENTROID X	.125	.254	.400
CENTROID Y	.156	.270	.369
POA TO CENTROID in.	.200	.371	.544
MIN RADIUS	.189	.157	.261
MEAN RADIUS	.885	.795	.711
MAX RADIUS	1.548	1.410	1.129
HORIZONTAL SPREAD	2.197	2.076	1.452
VERTICAL SPREAD	1.995	1.647	1.587
EXTREME SPREAD	2.745	2.435	1.894
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	