

C6649127

MODEL 700™ M24

Model SMS™

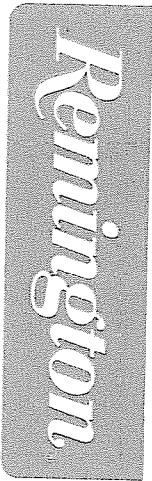
Action _____

Barrel Length _____

Capacity _____

Order No. 5716

*Includes 1 in chamber.



BARBER - M24 0065121

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

Remington[®]

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

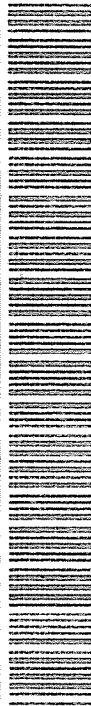
MODEL 700TM M24

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

SERIAL NO.
C6649127

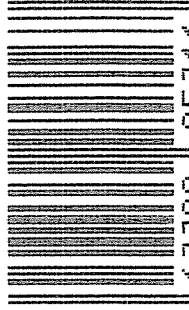
ORDER NO.
5716

20



5716 C6649127

UPC



0 47700 25716 2

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0065121 M2400065160

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6649127

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/27/91	KA
600	Proof		6/27/91	KA
607	Check Headspace		6/27/91	KA
610	Dis-assemble Gun		6/27/91	KA
612	Magnaflux Barrel Action		JUL 1 8 1991	CS
	Magnaflux Bolt		JUL 1 8 1991	CS
615	Rollmark Caliber		JUL 1 8 1991	CS
617	Drill and Tap Sight Holes		JUL 1 8 1991	FB
618	Polish Barrel		JUL 22 00 1991	WB
620	Apply Coatings (Barrel Action)		8-27-91	KA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/22/91	KA
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/22/91	KA
	C) Inspect Ejector Hole for Chamfer		8/22/91	KA
	D) Oil Firing Pin Ass'y		8/22/91	KA
	E) Adjust Trigger Pull to Min Setting and Stake		8/24/91	KA

op. #	BARBER - M24 0065123 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8-26-91	D/H
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8-26-91	D/H
	H) Trigger Pull Test & Retainability						8/24/91	KA
	I) Firing Pin Indent	.022	.022	.023			8-26-91	D/H
	J) Assemble Stock						8/27/91	KA
	K) Assemble Swivel Studs						8-31-91	D/H
	L) Attach Front and Rear Sight Assemblies						8/27/91	KA
	M) Iron Sight Alignment						8/27/91	KA
	N) Detach Front & Rear Sights & place in numbered container						8/27/91	KA
	O) Attach Scope to Rifle						8/27/91	KA
	P) Detach & Attach Scope 20 Times						8/27/91	KA
640	Gallery Target & Test						8/27/91	KA
	A) Time							ICT
	B) Malfunctions							ICT
	C) Pierced Primers							ICT
	D) Optical Clarity of Scope							ICT
645	Inspect for Live Ammo						8/27/91	KA
655	Final Inspection A) Headspace						8-31-91	D/H
	B) Trigger Pull	2.17	2.28	2.43	2.18	2.28	8/29/91	KA
	C) Function						8-31-91	D/H
660	Pack						7-17-91	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. C-6649127DATE 8/24/91TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.23	2.53	2.35	2.17	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.42	2.20	2.28	
PULL #3	2.24	2.63	2.38	2.43	
PULL #4	2.48	2.36	2.44	2.18	
PULL #5	2.48	2.16	2.40	2.28	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.48	3.21		
PULL #2	3.26	3.59		
PULL #3	3.52	3.47		
PULL #4	3.21	3.60		
PULL #5	3.45	3.44		
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	4.54		4.56
PULL #2	4.27	4.63		4.51
PULL #3	4.48	4.53		4.55
PULL #4	4.35	4.25		4.34
PULL #5	4.48	4.45		4.39
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06649127
27 Aug 1991

CENTROIDAL DISTANCES

0 TO	1	.364803
1 TO	2	.329577
1 TO	3	.376396
1 TO	4	.490156
1 TO	5	.30865

1 (----) FOR

THE AVERAGE X COORDINATE FOR THIS RIFLE IS: .0701
THE AVERAGE Y COORDINATE FOR THIS RIFLE IS: -.0012
THE AVERAGE Z COORDINATE FOR THIS RIFLE IS: .0000
THE AVERAGE RADIUS FOR THIS RIFLE IS: .0000

27 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649127

CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.979

VS= 2.346

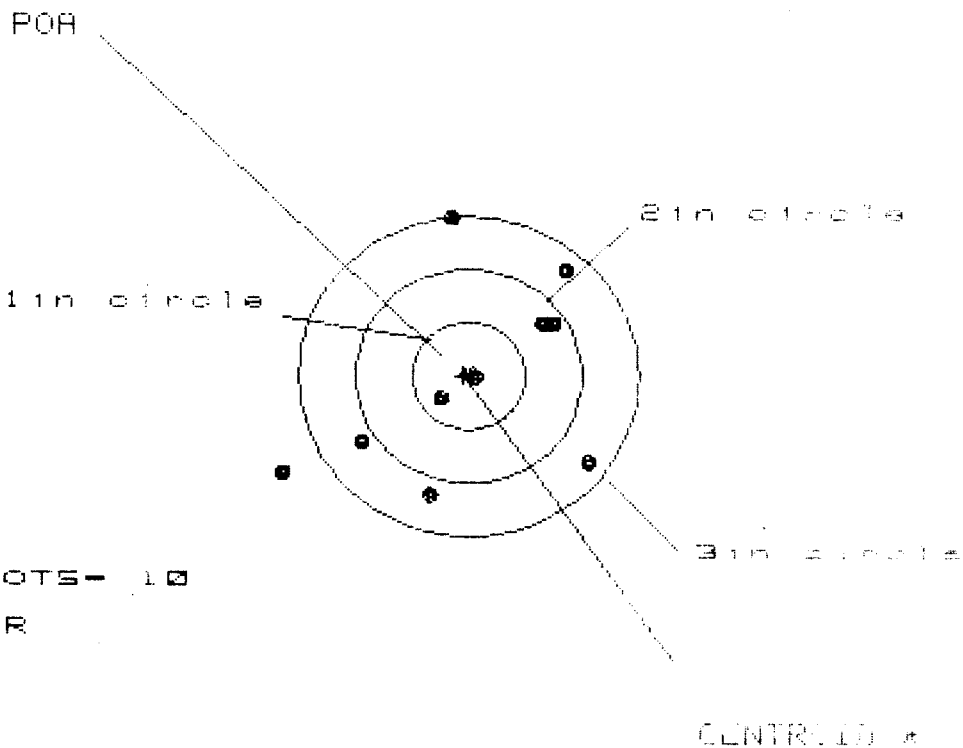
GS= 3.021

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.153	.950	.985
MINIMUM X	:	-1.826	-.578	-.459
MAXIMUM Y	:	1.122	1.041	.876
MINIMUM Y	:	-1.224	-1.305	-1.639
CENTROID X	:	.315	.518	.399
CENTROID Y	:	-.184	-.103	.060
POR TO CENTROID in.	:	.365	.528	.404
MIN RADIUS	:	.443	.616	.462
MEAN RADIUS	:	1.011	.902	.762
MAC RADIUS	:	1.964	1.614	1.192
HORIZONTAL SPREAD	:	2.979	1.528	.744
VERTICAL SPREAD	:	2.346	2.346	1.967
EXTREME SPREAD	:	3.021	2.566	2.019
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

27 Aug 1991

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CENTERFIRE PATTERNS # 2



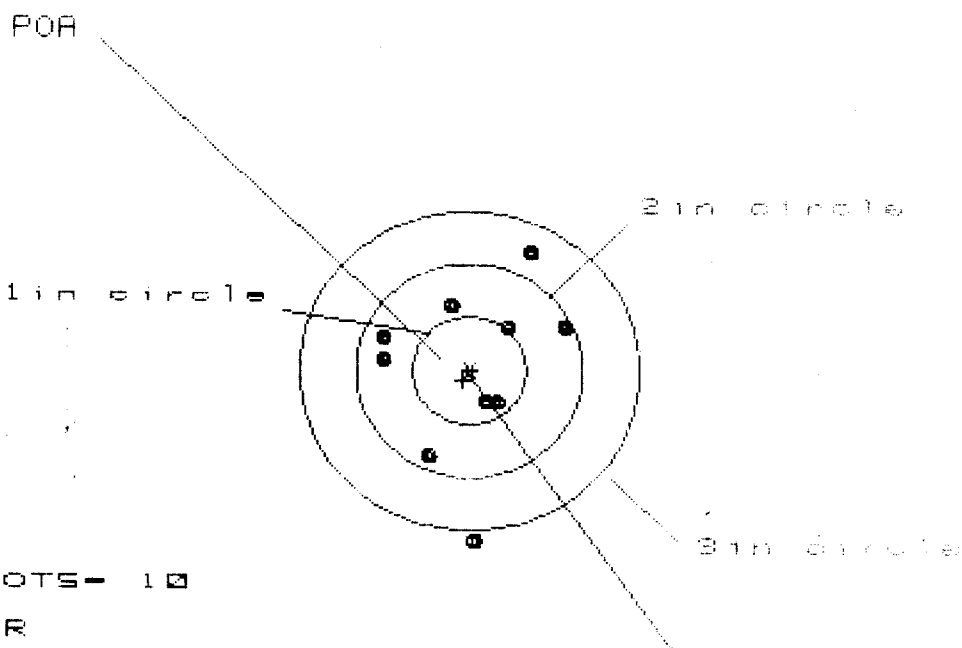
OF SHOTS- 10
 # IN CIR
 1in = 2
 2in = 4
 3in = 8
 HS= 2.628
 VS= 2.578
 GS= 3.128

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.010	.830	.787
MINIMUM X	-1.618	-1.161	-1.204
MAXIMUM Y	1.502	1.402	1.112
MINIMUM Y	-1.076	-1.176	-1.001
CENTROID X	.045	.225	.268
CENTROID Y	.005	.105	-.070
POA TO CENTROID in.	.045	.248	.277
MIN RADIUS	.107	.102	.166
MEAN RADIUS	1.031	.921	.857
MAX RADIUS	1.852	1.444	1.320
HORIZONTAL SPREAD	2.628	1.991	1.991
VERTICAL SPREAD	2.578	2.578	2.113
EXTREME SPREAD	3.128	2.583	2.457
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



OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.605

VS= 2.625

GS= 2.685

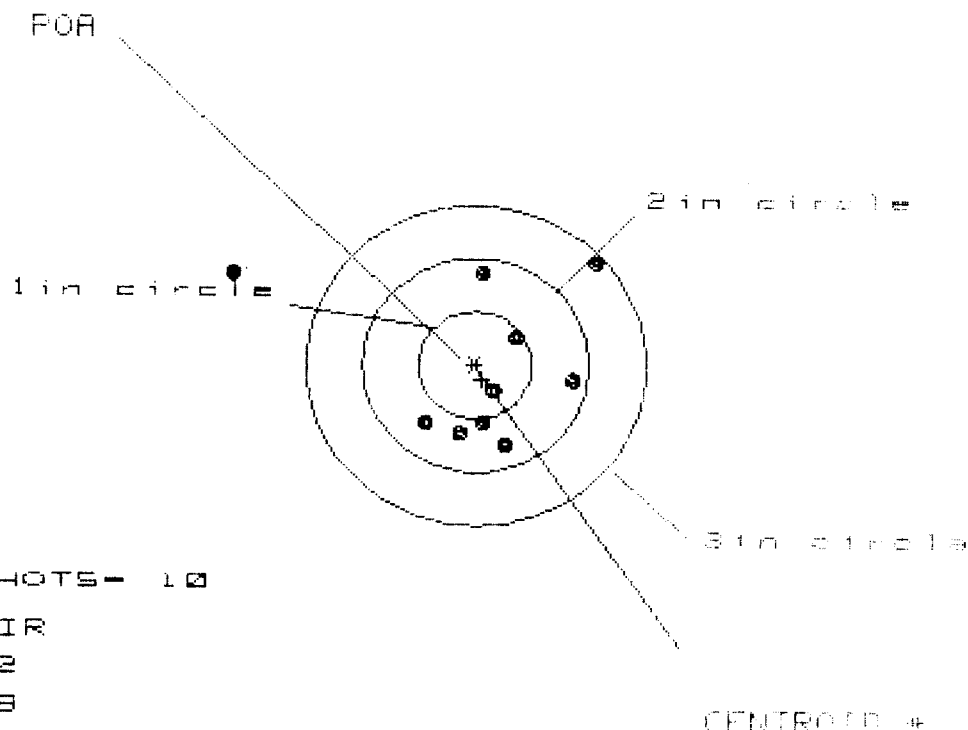
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.813	.813	.883
MINIMUM X	:	-.792	-.792	-.722
MAXIMUM Y	:	1.080	.908	.518
MINIMUM Y	:	-1.545	-1.006	-.892
CENTROID X	:	.058	.058	-.012
CENTROID Y	:	.091	.263	.149
POA TO CENTROID in.	:	.108	.269	.150
MIN RADIUS	:	.318	.440	.403
MEAN RADIUS	:	.806	.713	.663
MAX RADIUS	:	1.545	1.075	.945
HORIZONTAL SPREAD	:	1.605	1.605	1.685
VERTICAL SPREAD	:	2.625	1.914	1.410
EXTREME SPREAD	:	2.685	2.134	1.703
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 8

3 in = 9

HS- 3.168

VS= 1.661

GS= 3.170

CENTROID #

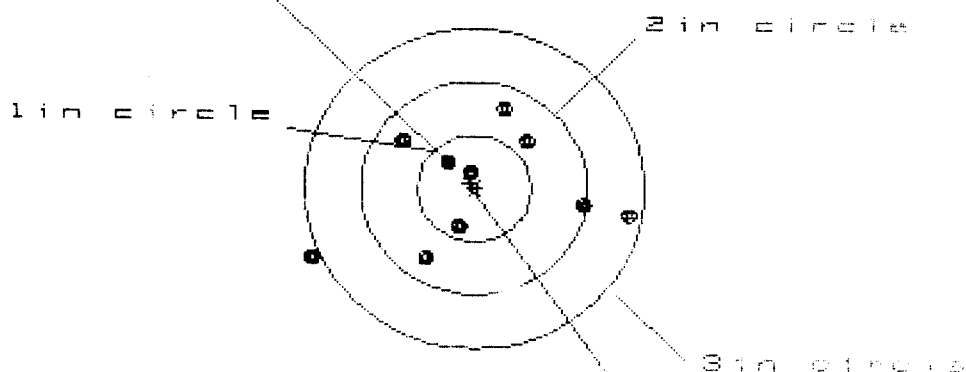
PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.073	.840	.725
MINIMUM X	:	-2.095	-.626	-.521
MAXIMUM Y	:	.963	1.058	1.043
MINIMUM Y	:	-.698	-.603	-.471
CENTROID X	:	-.058	.174	.069
CENTROID Y	:	.134	.039	-.093
FOR TO CENTROID in.	:	.146	.179	.116
MIN RADIUS	:	.303	.216	.053
MEAN RADIUS	:	.873	.671	.538
MAX RADIUS	:	2.262	1.351	1.044
HORIZONTAL SPREAD	:	3.168	1.466	1.246
VERTICAL SPREAD	:	1.661	1.661	1.514
EXTREME SPREAD	:	3.170	2.120	1.526
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	

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CENTERFIRE PATTERNS # 5

POB



OF SHOTS- 10

IN CIR

1in = 3

2in = 8

3in = 9

HS= 2.800

VS= 1.430

GS= 2.830

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.365	1.205	.916
MINIMUM X	:	-1.443	-.818	-.667
MAXIMUM Y	:	.749	.681	.640
MINIMUM Y	:	-.681	-.749	-.790
CENTROID X	:	.036	.196	.045
CENTROID Y	:	-.052	.016	.057
POB TO CENTROID in.	:	.063	.197	.073
MO. RADII	:	.110	.202	.049
MEAN RADII	:	.777	.694	.585
MO. RADII	:	1.567	1.249	.948
SPREAD	:	2.800	2.023	1.584
MEAN SPREAD	:	1.430	1.430	1.430
SPREAD	:	2.830	2.155	1.696
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	