

BARBER - M24 0031012

No. 2452 41
Smead®

FORM

UPC



0 47700 25716 7

C6649046

CAPACITY*
*INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0031012 M2400031051

MODEL 700 TM M24

ORDER NO. 5716

RemingtonVERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.**MODEL 700™ M24**SERIAL NO.
C6649046ORDER NO.
5716

20

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



5716 C6649046

ORDER 5716
MODEL 700™ M24
UPC

0 47700 25716 2

ORDER 5716
MODEL 700™ M24
UPC

0 47700 25716 2

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # *C6649046*

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26	9 1	<i>RW</i>
600	Proof	9 26	9 1	<i>RW</i>
607	Check Headspace	9 26	9 1	<i>RW</i>
610	Dis-assemble Gun	9 26	9 1	<i>RW</i>
612	Magnaflux Barrel Action	OCT	3 1991	<i>KCR</i>
	Magnaflux Bolt	OCT	3 1991	<i>KCR</i>
615	Rollmark Caliber	OCT	3 1991	<i>ES</i>
617	Drill and Tap Sight Holes	OCT	4 1991	<i>FB</i>
618	Polish Barrel	OCT	4 1991	<i>WB</i>
620	Apply Coatings (Barrel Action)		<i>10-18-91</i>	<i>TH</i>
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		<i>10/18/91</i>	<i>RW</i>
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		<i>10/18/91</i>	<i>RW</i>
	C) Inspect Ejector Hole for Chamfer		<i>10/18/91</i>	<i>RW</i>
	D) Oil Firing Pin Ass'y		<i>10/18/91</i>	<i>RW</i>
	E) Adjust Trigger Pull to Min Setting and Stake		<i>11-12-91</i>	<i>AL</i>

op. BARBER P-M240031016		READINGS				DATE	INIT
625 cont.	F) Safety On Force	4	4	4		11-14-91	JH
	G) Safety Off Force	4	4	4		11-14-91	JH
	H) Trigger Pull Test & Retainability					11-12-91	JH
	I) Firing Pin Indent	.020	.020	.020		11-14-91	JH
	J) Assemble Stock					11/14/91	RW
	K) Assemble Swivel Studs					11-27-91	D/H
	L) Attach Front and Rear Sight Assemblies					11/14/91	RW
	M) Iron Sight Alignment					11/14/91	RW
	N) Detach Front & Rear Sights & place in numbered container					11/14/91	RW
	O) Attach Scope to Rifle					11/14/91	RW
	P) Detach & Attach Scope 20 Times					11/14/91	RW
640	Gallery Target & Test					11/22/91	LT
	A) Time						LT
	B) Malfunctions						LT
	C) Pierced Primers						LT
	D) Optical Clarity of Scope						LT
645	Inspect for Live Ammo					11/22/91	LT
655	Final Inspection						
	A) Headspace					11-27-91	D/H
	B) Trigger Pull	268	268	245	252	248	11-25-91
	C) Function					11-27-91	D/H
660	Pack					12-19-91	VF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C-6649046

DATE 11-12-91

TESTER JE

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.33	2.44	2.50	2.68	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.49	2.52	2.68	
PULL #3	2.29	2.43	2.48	2.45	
PULL #4	2.48	2.52	2.49	2.52	
PULL #5	2.44	2.49	2.50	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.51	3.40		
PULL #2	3.55	3.60		
PULL #3	3.49	3.61		
PULL #4	3.50	3.55		
PULL #5	3.55	3.43		
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	4.30		4.21
PULL #2	4.60	4.40		4.37
PULL #3	4.32	4.35		4.47
PULL #4	4.58	4.40		4.35
PULL #5	4.44	4.36		4.31
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649046
22 Nov 1991

CENTROIDAL DISTANCES

Ø TO	1	.509483
1 TO	2	.328
1 TO	3	.527873
1 TO	4	.458855
1 TO	5	.657037

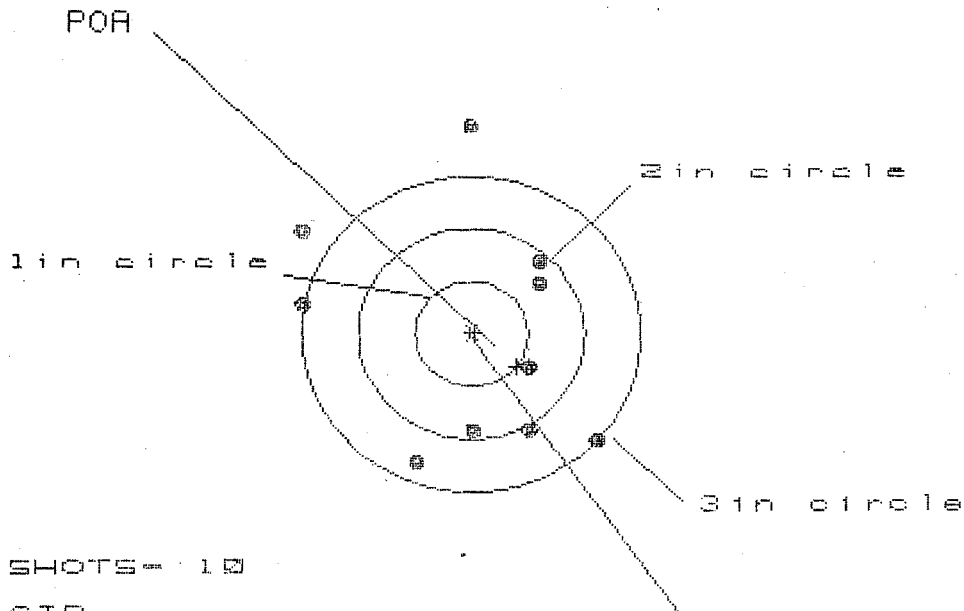
¹₂₄₃ <----FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.196
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0042
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .196045
THE AMR FOR THIS RIFLE IS: .9434

22 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6549046

CENTERFIRE PATTERNS # 1



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 7

HS= 2.644

VS= 3.216

GS= 3.282

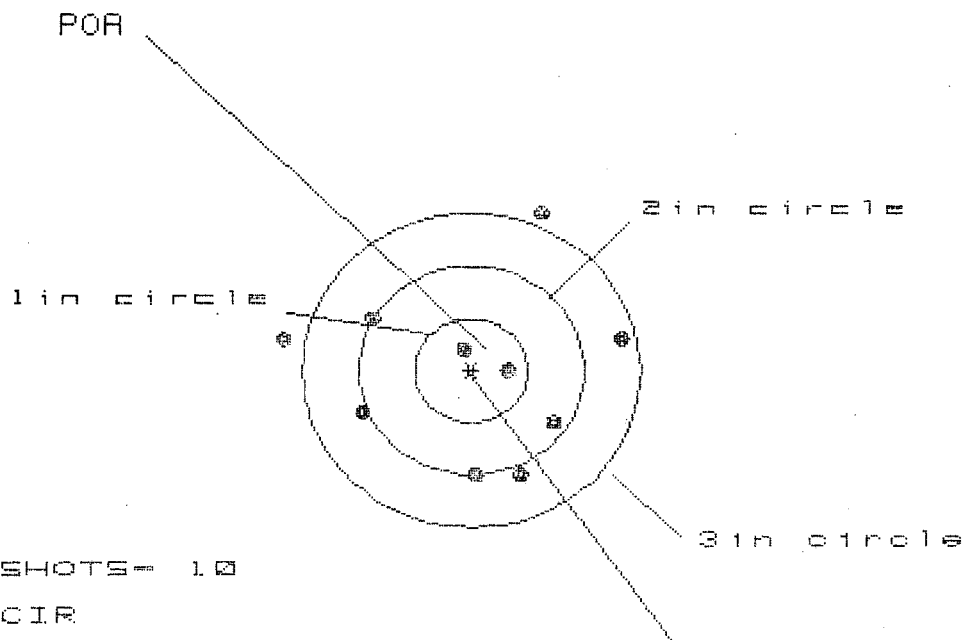
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.142	1.139	.951
MINIMUM X	-1.502	-1.505	-1.643
MAXIMUM Y	1.987	1.178	1.055
MINIMUM Y	-1.229	-1.009	-.861
CENTROID X	-.402	-.399	-.211
CENTROID Y	.313	.093	-.055
POA TO CENTROID in.	.510	.409	.210
MIN RADIUS	.610	.516	.314
MEAN RADIUS	1.231	1.109	.941
MAX RADIUS	1.987	1.912	1.751
HORIZONTAL SPREAD	2.644	2.644	2.594
VERTICAL SPREAD	3.216	2.187	1.916
EXTREME SPREAD	3.282	3.282	2.868
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	7		

22 Nov 1991

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CENTERFIRE PATTERNS # 2



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 5

3 in = 8

HS= 3.044

VS= 2.519

GS= 3.044

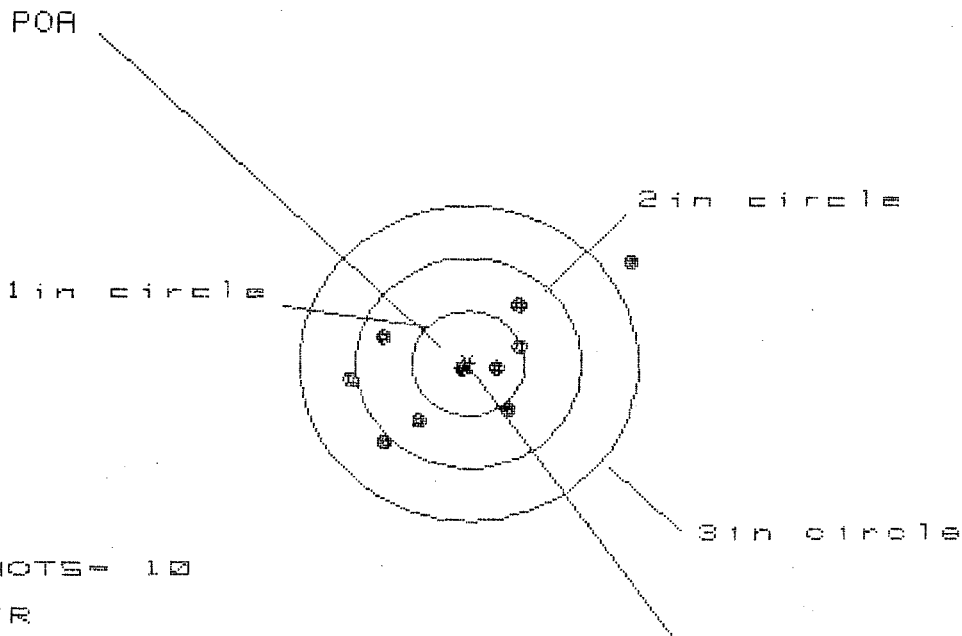
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.361	1.174	1.226
MINIMUM X	:	-1.683	-1.119	-1.067
MAXIMUM Y	:	1.515	1.553	.747
MINIMUM Y	:	-1.004	-.966	-.772
CENTROID X	:	-.330	-.143	-.195
CENTROID Y	:	-.007	-.044	-.238
POR TO CENTROID in.	:	.330	.150	.308
MIN RADIUS	:	.215	.145	.290
MEAN RADIUS	:	1.022	.921	.827
MAX RADIUS	:	1.716	1.608	1.338
HORIZONTAL SPREAD	:	3.044	2.293	2.293
VERTICAL SPREAD	:	2.519	2.519	1.519
EXTREME SPREAD	:	3.044	2.537	2.402
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

22 Nov 1991

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CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 9

HS= 2.530

VS= 1.696

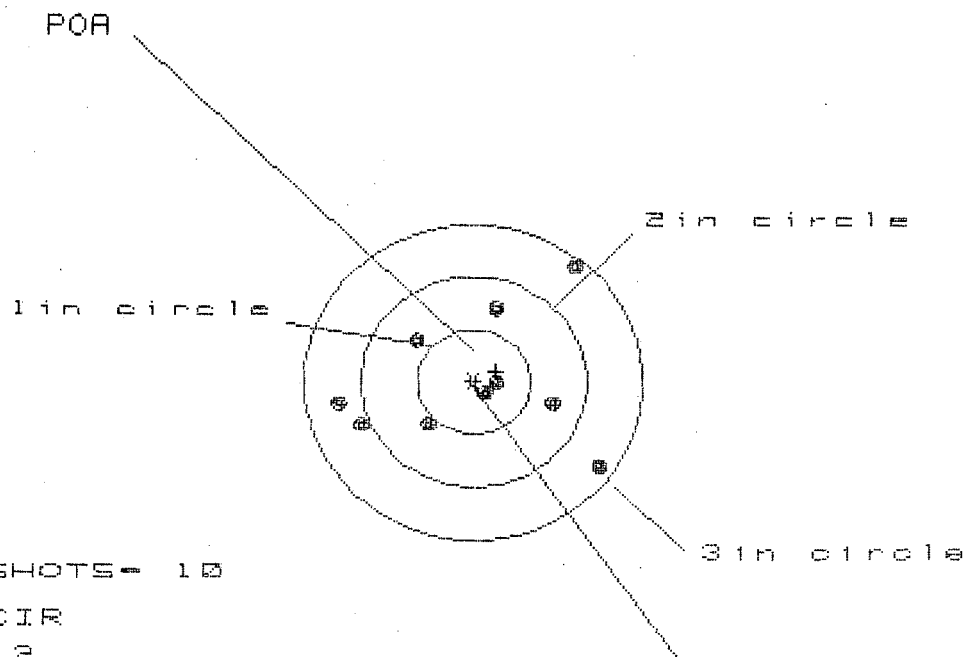
GS= 2.787

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.492	.653	.584
MINIMUM X	:	-1.038	-.872	-.941
MAXIMUM Y	:	.921	.660	.576
MINIMUM Y	:	-.775	-.673	-.490
CENTROID X	:	.051	-.115	-.046
CENTROID Y	:	.042	-.060	.024
POA TO CENTROID in.	:	.066	.130	.052
MIN RADIUS	:	.044	.156	.074
MEAN RADIUS	:	.741	.635	.587
MAX RADIUS	:	1.754	.913	.944
HORIZONTAL SPREAD	:	2.530	1.525	1.525
VERTICAL SPREAD	:	1.696	1.333	1.066
EXTREME SPREAD	:	2.787	1.782	1.637
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		7	
NUMBER IN THREE INCH CIRCLE	=		9	

22 May 1991

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 10

HS= 2.293

VS= 1.910

GS= 2.423

CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.078	1.174	.917
MINIMUM X	:	-1.215	-1.119	-.972
MAXIMUM Y	:	1.079	.788	.699
MINIMUM Y	:	-.831	-.711	-.417
CENTROID X	:	-.200	-.296	-.443
CENTROID Y	:	-.099	-.219	-.130
POA TO CENTROID in.	:	.223	.368	.461
MIN RADIUS	:	.155	.224	.373
MEAN RADIUS	:	.807	.749	.671
MAX RADIUS	:	1.383	1.372	.981
HORIZONTAL SPREAD	:	2.293	2.293	1.889
VERTICAL SPREAD	:	1.910	1.499	1.116
EXTREME SPREAD	:	2.423	2.388	1.891
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			10	

22 May 1991

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 7

3in = 9

HS = 1.879

VS = 3.364

GS = 3.706

CENTROID *

PATTERN #	5	5	5
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.717	.609	.668
MINIMUM X	-1.162	-1.270	-1.211
MAXIMUM Y	1.178	.935	.663
MINIMUM Y	-2.186	-1.088	-.971
CENTROID X	-.099	.009	-.050
CENTROID Y	-.270	-.027	-.144
POA TO CENTROID in.	.288	.029	.152
MIN RADIUS	.266	.024	.131
MEAN RADIUS	.916	.691	.655
MAX RADIUS	2.393	1.291	1.261
HORIZONTAL SPREAD	1.879	1.879	1.879
VERTICAL SPREAD	3.364	2.023	1.634
EXTREME SPREAD	3.706	2.095	2.095
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		9	