

BARBER - M24 0030924

FOR

UPC



0 47700 25716 7

C6649038

BARREL LENGTH
CAPACITY*
*INCLUDES 1 IN CHAMBER

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0030924 M2400030963

BARBER - M24 0030925

ORDER NO.

5716

MODEL 700 TM M24

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0030925 M24 0030925 30964

BARBER - M24 0030926

Remington



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

MODEL 700 TM M24

SERIAL NO.

C6649038

ORDER NO.

5716

20

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



5716 C6649038

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700 TM M24

UPC



0 47700 25716 7

TEST INIT. ACTION TO CORRECT		ASSEM. #
PROOF	100 Rds test ok 12-12-91	
TEST AC		
TGT		
PROOF		
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		
PROOF	ENGINEER	
TEST		
TGT		

MOD.		GA. CAL.	GUN #	ASSEM. #
#	DATE	MALFUNCTION/DEFECT		
1st	12/4/91	slave burst + ejector sticks		
2nd	12/11/91	Repaired Kef		
3rd		100 Rds OK K 12-15-91		
4th				
FUNCTION		RD 6654	Rev 1	

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649038

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 26 91		RW
600	Proof	9 26 91		RW
607	Check Headspace	9 26 91		RW
610	Dis-assemble Gun	9 26 91		RW
612	Magnaflux Barrel Action	OCT	3 1991	Kcd
	Magnaflux Bolt	OCT	3 1991	Kcd
615	Rollmark Caliber	OCT	3 1991	CS
617	Drill and Tap Sight Holes	OCT	4 1991	FB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	JA
	Apply Coating (Bolt)			JA
625	Final Assembly A) Clean inside of Bolt Assembly		10/18/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/18/91	RW
	C) Inspect Ejector Hole for Chamfer		10/18/91	RW
	D) Oil Firing Pin Ass'y		10/18/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		12-2-91	JA

op.	BARBER M24 0030930	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			12-2-91	SH
	G) Safety Off Force	3	3	3			12-2-91	SH
	H) Trigger Pull Test & Retainability						12-2-91	SH
	I) Firing Pin Indent	.021	.021	.021			12-2-91	SH
	J) Assemble Stock						12/3/91	RW
	K) Assemble Swivel Studs						12-12-91	SH
	L) Attach Front and Rear Sight Assemblies						12/3/91	RW
	M) Iron Sight Alignment						12/3/91	RW
	N) Detach Front & Rear Sights & place in numbered container						12/3/91	RW
	O) Attach Scope to Rifle						12/3/91	RW
	P) Detach & Attach Scope 20 Times						12/3/91	RW
640	Gallery Target & Test						12-4-91	D/H
	A) Time						12-4-91	D/H
	B) Malfunctions						12-4-91	D/H
	C) Pierced Primers						12-4-91	D/H
	D) Optical Clarity of Scope						12-4-91	D/H
645	Inspect for Live Ammo						12-4-91	D/H
655	Final Inspection							
	A) Headspace						12-12-91	SH
	B) Trigger Pull	2.54	2.48	2.56	2.56	2.55	12-5-91	D/H
	C) Function						12-12-91	SH
660	Pack						12-18-91	NF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6649038

DATE 12-2-91

TESTER JL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.43	2.39	2.54	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.43	2.43	2.46	2.48	
PULL #3	2.37	2.33	2.38	2.56	
PULL #4	2.23	2.53	2.51	2.56	
PULL #5	2.40	2.45	2.48	2.55	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.41		
PULL #2	3.43	3.36		
PULL #3	3.38	3.34		
PULL #4	3.42	3.27		
PULL #5	3.42	3.37		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.30	4.41		4.48
PULL #2	4.37	4.45		4.45
PULL #3	4.34	4.25		4.30
PULL #4	4.30	4.26		4.46
PULL #5	4.47	4.20		4.46
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6649038
4 Dec 1991

CENTROIDAL DISTANCES

0 TO	1	.471059
1 TO	2	.514534
1 TO	3	.394119
1 TO	4	.479267
1 TO	5	.418207

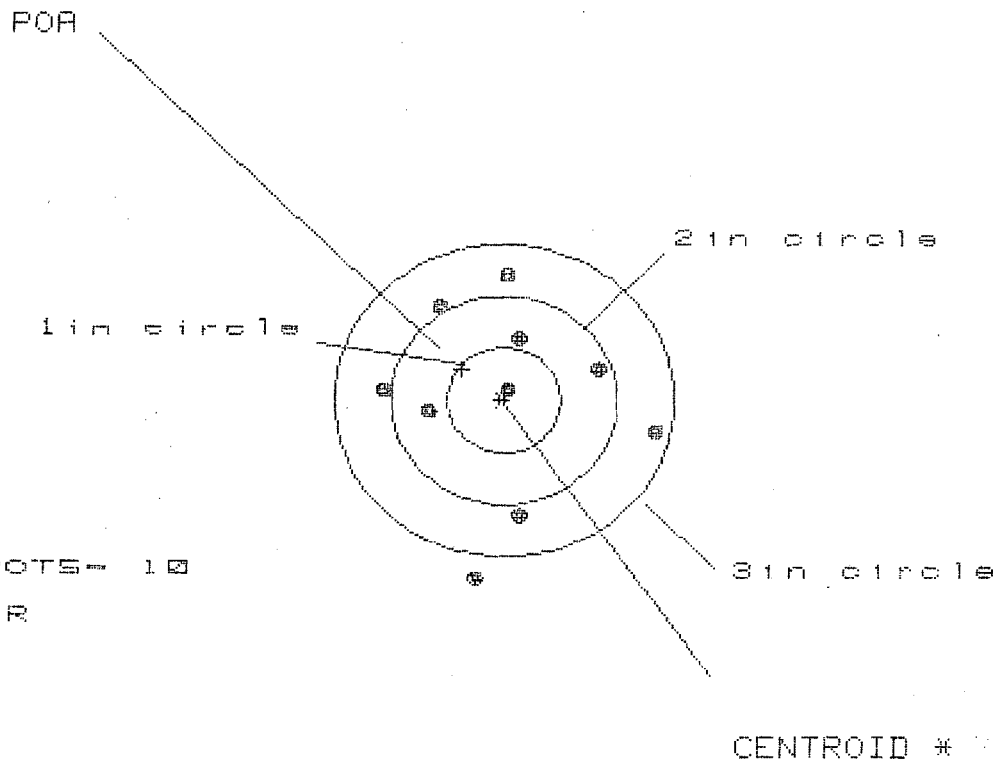
σ_1^2 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1288
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.078
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .150577
THE AMR FOR THIS RIFLE IS: 1.003

4 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06649038

CENTERFIRE PATTERNS # 1



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.415

VS = 2.889

GS = 2.889

CENTROID *

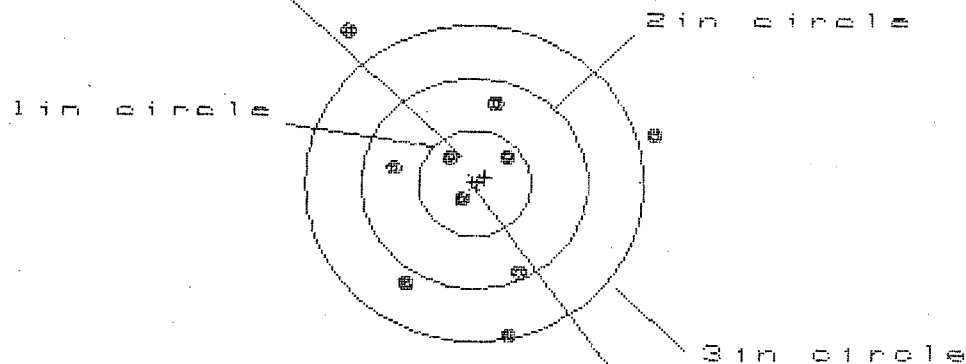
PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.365	1.341	.992
MINIMUM X	-1.050	-1.074	-.907
MAXIMUM Y	1.168	.977	.916
MINIMUM Y	-1.721	-1.249	-1.310
CENTROID X	.364	.389	.222
CENTROID Y	-.299	-.108	-.047
POA TO CENTROID in.	.471	.404	.226
MIN RADIUS	.097	.116	.263
MEAN RADIUS	.983	.871	.793
MAX RADIUS	1.735	1.426	1.339
HORIZONTAL SPREAD	2.415	2.415	1.898
VERTICAL SPREAD	2.889	2.226	2.226
EXTREME SPREAD	2.899	2.443	2.229
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

4 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649038

CENTERFIRE PATTERNS # 2

POA



OF SHOTS- 10

IN CIR

1in = 3

2in = 6

3in = 8

HS= 2.727

VS= 2.936

GS= 3.248

CENTROID #

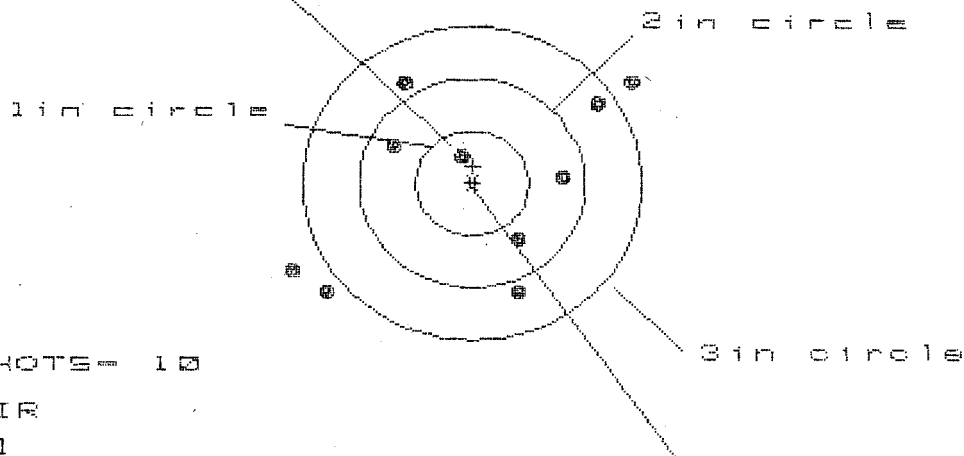
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.590	1.464	.494
MINIMUM X	:	-1.137	-.901	-.618
MAXIMUM Y	:	1.500	.871	.945
MINIMUM Y	:	-1.436	-1.270	-1.196
CENTROID X	:	-.089	.037	-.146
CENTROID Y	:	-.055	-.221	-.295
POA TO CENTROID in.	:	.105	.224	.329
MIN RADIUS	:	.154	.245	.145
MEAN RADIUS	:	.923	.838	.724
MAX RADIUS	:	1.882	1.579	1.235
HORIZONTAL SPREAD	:	2.727	2.265	1.112
VERTICAL SPREAD	:	2.936	2.141	2.141
EXTREME SPREAD	:	3.248	2.598	2.143
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			8	

4 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649038

CENTERFIRE PATTERNS # 3

POA



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 7

HS = 2.928

VS = 2.055

GS = 3.445

CENTROID *

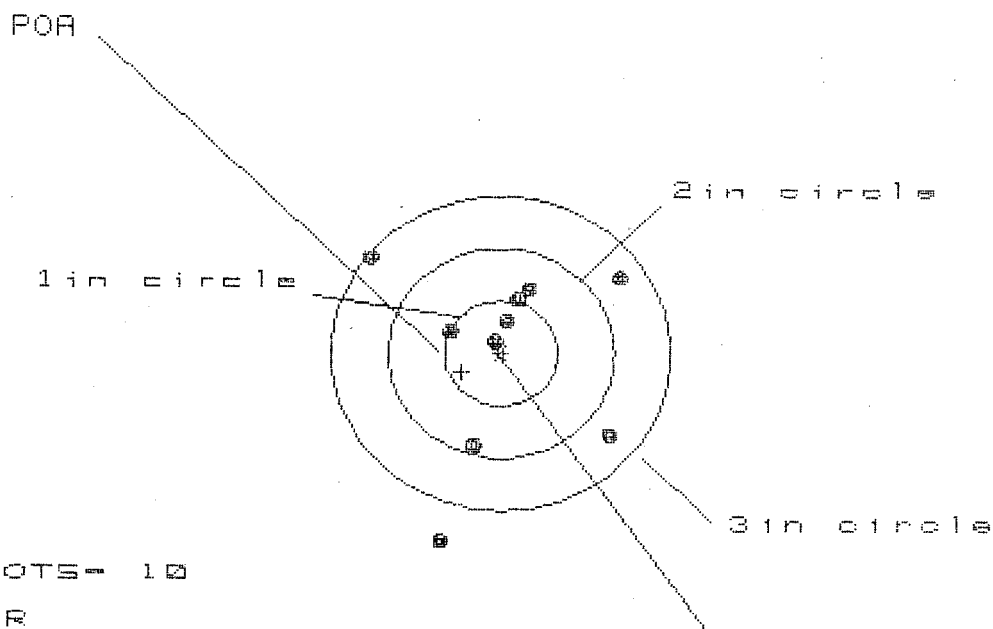
PATTERN #	:	3
SHOTS (BEST OF)	:	10
MAXIMUM X	:	1.382
MINIMUM X	:	-1.546
MAXIMUM Y	:	.973
MINIMUM Y	:	-1.082
CENTROID X	:	-.007
CENTROID Y	:	-.166
POA TO CENTROID in.	:	.166
MIN RADIUS	:	.292
MEAN RADIUS	:	1.131
MAX RADIUS	:	1.771
HORIZONTAL SPREAD	:	2.928
VERTICAL SPREAD	:	2.055
EXTREME SPREAD	:	3.445
NUMBER IN ONE INCH CIRCLE =	:	1
NUMBER IN TWO INCH CIRCLE =	:	4
NUMBER IN THREE INCH CIRCLE =	:	7

4 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6649038

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 6

3 in = 9

HS= 2.123

VS= 2.687

GS= 2.950

CENTROID #

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.020	.960	.815
MINIMUM X	:	-1.103	-1.163	-.703
MAXIMUM Y	:	.904	.706	.609
MINIMUM Y	:	-1.783	-1.076	-.988
CENTROID X	:	.348	.409	.554
CENTROID Y	:	.180	.378	.290
POR TO CENTROID in.	:	.392	.557	.625
MIN RADIUS	:	.167	.100	.244
MEAN RADIUS	:	.888	.712	.665
MAX RADIUS	:	1.863	1.360	1.144
HORIZONTAL SPREAD	:	2.123	2.123	1.518
VERTICAL SPREAD	:	2.687	1.782	1.597
EXTREME SPREAD	:	2.950	2.638	2.063
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			6	
NUMBER IN THREE INCH CIRCLE =			9	

4 Dec 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8649038

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 2.405

VS = 2.377

GS = 2.627

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.046
MINIMUM X	-1.359
MAXIMUM Y	1.100
MINIMUM Y	-1.277
CENTROID X	.028
CENTROID Y	-.050
POA TO CENTROID in.	.057
MIN RADIUS	.462
MEAN RADIUS	1.090
MAX RADIUS	1.716
HORIZONTAL SPREAD	2.405
VERTICAL SPREAD	2.377
EXTREME SPREAD	2.627
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	4
NUMBER IN THREE INCH CIRCLE =	9