

BARBER - M24 0033610

FORM

UPC



0 47700 25716 7

C6648944

*INCLUDES 1 IN CHAMBER

CAPACITY*

*TOTAL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0033610 M2400033649

MODEL 700 TM M24

ORDER NO. 5716

BARBER - M24

Remington



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

MODEL 700 TM M24

SERIAL NO.
C6648944

ORDER NO.
5716

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

20



5716 C6648944

ORDER 5716
MODEL 700 TM M24
UPC

ORDER 5716
MODEL 700 TM M24
UPC



0 47700 25716 7



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GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6648944

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	KCR
	Magnaflux Bolt	OCT	3 1991	KCR
615	Rollmark Caliber	OCT	3 1991	GS
617	Drill and Tap Sight Holes	OCT	4 1991	LB
618	Polish Barrel	OCT	4 1991	WB
620	Apply Coatings (Barrel Action)		10-18-91	TJA
	Apply Coating (Bolt)			
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		11-15-91	RL

op. #	BARBER MEM24 0033614	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4	4	4			11/18/91	RU
	G) Safety Off Force	3	3	3			11/18/91	RU
	H) Trigger Pull Test & Retainability						11-15-91	RU
	I) Firing Pin Indent	020	0215	0215			11/18/91	RU
	J) Assemble Stock						11/18/91	RW
	K) Assemble Swivel Studs						11-27-91	D/H
	L) Attach Front and Rear Sight Assemblies						11/18/91	RW
	M) Iron Sight Alignment						11/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						11/18/91	RW
	O) Attach Scope to Rifle						11/18/91	RW
	P) Detach & Attach Scope 20 Times						11/18/91	RW
640	Gallery Target & Test						11-21-91	D/H
	A) Time						11-21-91	D/H
	B) Malfunctions						11-21-91	D/H
	C) Pierced Primers						11-21-91	D/H
	D) Optical Clarity of Scope						11-21-91	D/H
645	Inspect for Live Ammo						11-21-91	D/H
655	Final Inspection							
	A) Headspace						11-27-91	D/H
	B) Trigger Pull	2.38	2.36	2.36	2.23	2.38	11-25-91	RU
	C) Function						11-27-91	D/H
660	Pack						12-19-91	D/H

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C-6648944

DATE 11-15-91

TESTER JK

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.49	2.41	2.49	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.39	2.38	2.51	2.36	
PULL #3	2.44	2.43	2.44	2.36	
PULL #4	2.40	2.41	2.50	2.23	
PULL #5	2.37	2.46	2.50	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.39	3.45		
PULL #2	3.45	3.38		
PULL #3	3.39	3.34		
PULL #4	3.43	3.37		
PULL #5	3.46	3.33		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.38	4.40		4.22
PULL #2	4.37	4.27		4.30
PULL #3	4.33	4.14		4.37
PULL #4	4.34	4.28		4.36
PULL #5	4.37	4.22		4.26
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648944
21 Nov 1991

CENTROIDAL DISTANCES

0 TO	1	.504445
1 TO	2	.650173
1 TO	3	.313847
1 TO	4	.480838
1 TO	5	.380623

2.5
3.1 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1896
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0354
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .192876
THE AMR FOR THIS RIFLE IS: .941

21 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C664B344

CENTERFIRE PATTERNS # 1

POR

1in circle

2in circle

3in circle

CENTROID #

OF SHOTS = 10

IN CIR

1in = 2

2in = 5

3in = 10

HS = 2.593

VS = 2.215

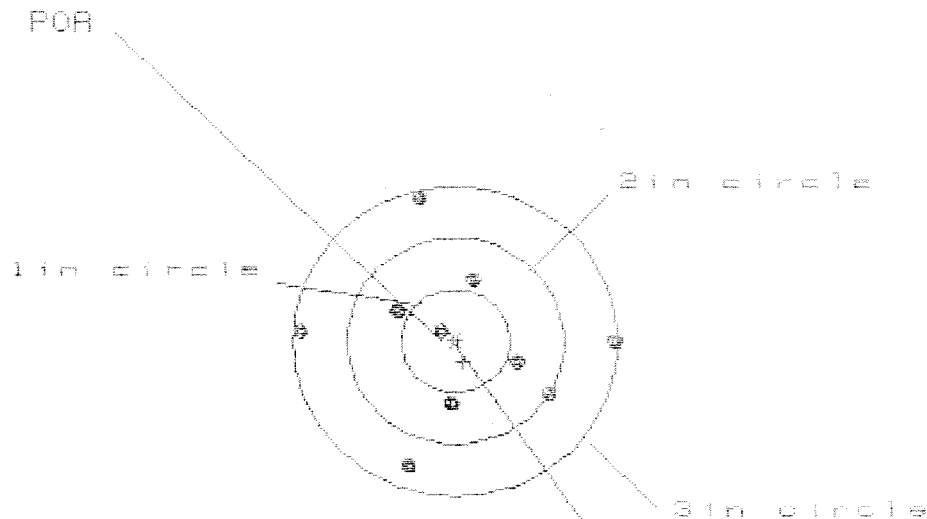
GS = 2.640

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	9
MAXIMUM X	1.461	1.365	.755
MINIMUM X	-1.132	-.970	-.799
MAXIMUM Y	1.338	1.353	1.256
MINIMUM Y	-.877	-.862	-.959
CENTROID X	.481	.319	.148
CENTROID Y	-.152	-.167	-.070
POR TO CENTROID in.	.505	.360	.164
MIN RADIUS	.170	.257	.113
MEAN RADIUS	.950	.878	.768
MAX RADIUS	1.467	1.568	1.309
HORIZONTAL SPREAD	2.593	2.335	1.554
VERTICAL SPREAD	2.215	2.215	2.215
EXTREME SPREAD	2.640	2.443	2.221
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	10		

21 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C664B944

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 10

HS= 2.884

VS= 2.582

GS= 2.889

CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.426	1.265	1.199
MINIMUM X	:	-1.458	-.692	-.758
MAXIMUM Y	:	1.401	1.416	.795
MINIMUM Y	:	-1.181	-1.166	-.989
CENTROID X	:	-.065	.096	.162
CENTROID Y	:	.201	.186	.009
POA TO CENTROID in.	:	.212	.210	.163
MIN RADIUS	:	.183	.325	.360
MEAN RADIUS	:	.922	.859	.767
MAX RADIUS	:	1.464	1.510	1.208
HORIZONTAL SPREAD	:	2.884	1.957	1.957
VERTICAL SPREAD	:	2.582	2.582	1.784
EXTREME SPREAD	:	2.889	2.582	2.164
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

21 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8848944

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.698

VS= 2.146

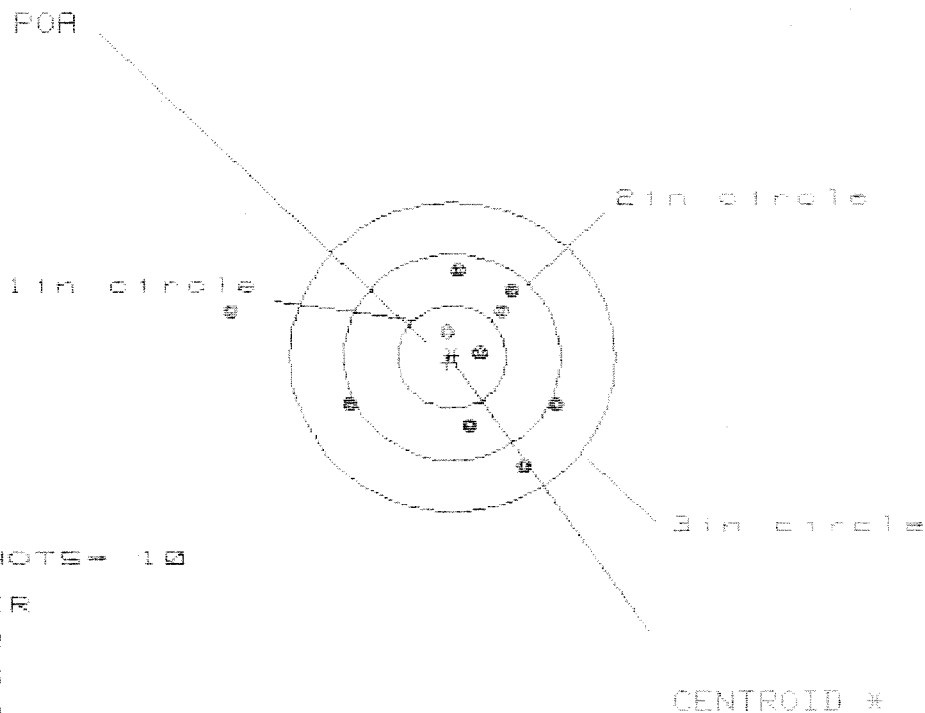
GS= 2.170

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.607
MINIMUM X	-1.091
MAXIMUM Y	.981
MINIMUM Y	-1.165
CENTROID X	.169
CENTROID Y	-.118
POA TO CENTROID in.	.206
MIN RADIUS	.218
MEAN RADIUS	.718
MAX RADIUS	1.200
HORIZONTAL SPREAD	1.698
VERTICAL SPREAD	2.146
EXTREME SPREAD	2.170
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	10

21 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8B46944

CENTERFIRE PATTERNS # 4



OF SHOTS= 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 3.007

VS= 1.940

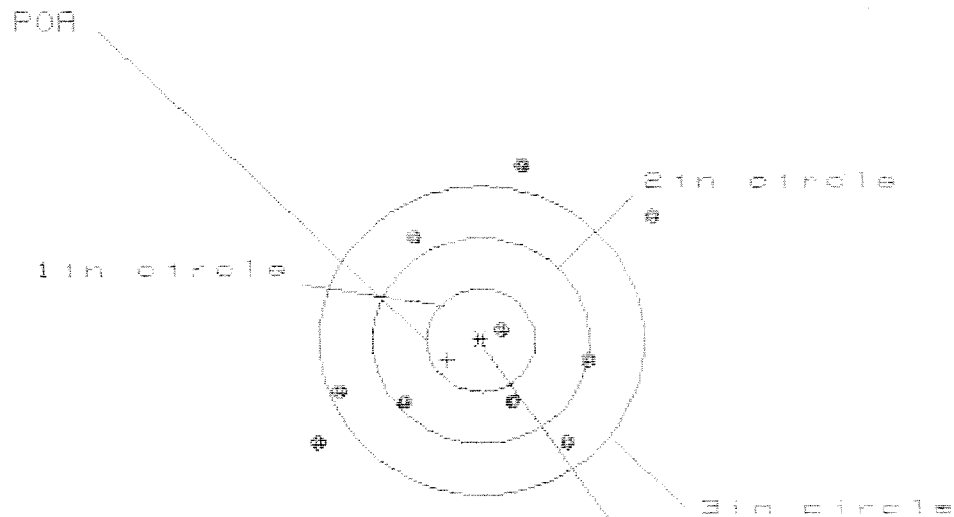
GS= 3.157

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	.925
MINIMUM X	-2.082
MAXIMUM Y	.884
MINIMUM Y	-1.055
CENTROID X	.047
CENTROID Y	.055
POA TO CENTROID in.	.073
MIN RADIUS	.205
MEAN RADIUS	.894
MAX RADIUS	2.134
HORIZONTAL SPREAD	3.007
VERTICAL SPREAD	1.940
EXTREME SPREAD	3.157
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9

21 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6646344

CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS = 3.053

VS = 2.663

CS = 3.757

PATTERN #	5	9	6
SHOTS (BEST OF)	10	9	6
MAXIMUM X	1.584	1.181	1.619
MINIMUM X	-1.469	-1.292	-1.350
MAXIMUM Y	1.664	1.800	1.696
MINIMUM Y	-0.999	-0.863	-0.967
CENTROID X	.316	.139	.301
CENTROID Y	.191	.055	.159
POA TO CENTROID in.	.369	.150	.340
MIN RADIUS	.213	.434	.242
MEAN RADIUS	1.221	1.127	1.056
MAX RADIUS	2.001	1.891	1.747
HORIZONTAL SPREAD	3.053	2.473	2.369
VERTICAL SPREAD	2.663	2.663	2.663
EXTREME SPREAD	3.757	3.229	2.817
NUMBER IN ONE INCH CIRCLE	= 1		
NUMBER IN TWO INCH CIRCLE	= 3		
NUMBER IN THREE INCH CIRCLE	= 7		