

BARBER - M24 0105110

FORM

UPC



0 47700 25716 7

C6666102

CAPACITY*
*INCLUDES 1 IN CHAMBER

BARBER - M24 0105111

MODEL 700 TM M24

ORDER NO.

5716

BARREL LENGTH

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0105111 M2400105150

BARBER - M24 0105112

Remington



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

MODEL 700TM M24

SERIAL NO.
C6666102

ORDER NO.
5716

20

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



5716 C6666102

ORDER 5716

MODEL 700TM M24

UPC



0 47700 25716 7

ORDER 5716

MODEL 700TM M24

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6666102

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		9/30/91	KL
600	Proof		9/30/91	KL
607	Check Headspace		9/30/91	KL
610	Dis-assemble Gun		9/30/91	KL
612	Magnaflux Barrel Action		OCT 8 1991	KR
	Magnaflux Bolt		OCT 8 1991	KR
615	Rollmark Caliber		OCT 8 1991	LS
617	Drill and Tap Sight Holes		OCT 8 1991	LB
618	Polish Barrel		10/14/91	WB
620	Apply Coatings (Barrel Action)		11/1/91	AB
	Apply Coating (Bolt)		11/1/91	AB
625	Final Assembly A) Clean inside of Bolt Assembly		11/5/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		11/5/91	KL
	C) Inspect Ejector Hole for Chamfer		11/5/91	KL
	D) Oil Firing Pin Ass'y		11/5/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		11/6/91	KL

op. #	BARBER - M24 0105114 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			11/6/91	JK
	G) Safety Off Force	3	3	3			11/6/91	JK
	H) Trigger Pull Test & Retainability						11/6/91	JK
	I) Firing Pin Indent	020	020	020			11/6/91	JK
	J) Assemble Stock						11/11/91	JK
	K) Assemble Swivel Studs						11-18-91	D/H
	L) Attach Front and Rear Sight Assemblies						11/11/91	JK
	M) Iron Sight Alignment						11/11/91	JK
	N) Detach Front & Rear Sights & place in numbered container						11/11/91	JK
	O) Attach Scope to Rifle						11/11/91	JK
	P) Detach & Attach Scope 20 Times						11/11/91	JK
640	Gallery Target & Test						11/11/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						11/11/91	KT
655	Final Inspection A) Headspace						11-18-91	D/H
	B) Trigger Pull	258	236	241	240	231	11-18-91	D/H
	C) Function						11-18-91	D/H
660	Pack						12-18-91	JK

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0105114

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO 6666102

DATE 11-6-91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.41	2.60	2.24	258	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.48	2.46	236	
PULL #3	2.18	2.29	2.46	241	
PULL #4	2.46	2.46	2.44	240	
PULL #5	2.60	2.26	2.38	231	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.46	3.42		
PULL #2	3.48	3.49		
PULL #3	3.46	3.35		
PULL #4	3.51	3.42		
PULL #5	3.43	3.42		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.49	4.40		4.35
PULL #2	4.50	4.42		4.35
PULL #3	4.36	4.35		4.39
PULL #4	4.34	4.38		4.39
PULL #5	4.34	4.37		4.25
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6666102
15 Nov 1991

CENTROIDAL DISTANCES

0	TO	1	.50033
1	TO	2	.354611
1	TO	3	.829265
1	TO	4	.533023
1	TO	5	.195

1
2
3
4
5

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0618
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1342
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .147746

AMR FOR THIS RIFLE IS: 1.077

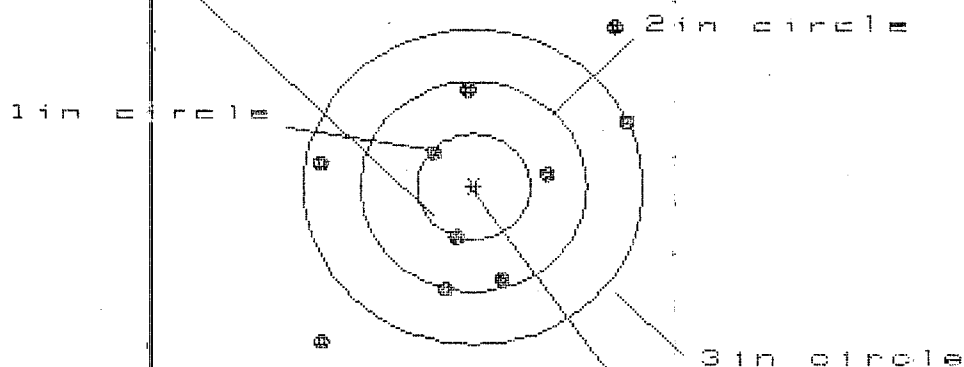
15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6666182

CENTERFIRE PATTERNS

1

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 7

HS= 2.731

VS= 2.955

GS= 3.961

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.362	1.210	1.350
MINIMUM X	-1.369	-1.517	-1.377
MAXIMUM Y	1.515	1.355	.932
MINIMUM Y	-1.440	-1.139	-.970
CENTROID X	.151	.303	.163
CENTROID Y	.477	.637	.468
POA TO CENTROID in.	.500	.705	.495
MIN RADIUS	.477	.516	.493
MEAN RADIUS	1.138	1.043	.927
MAX RADIUS	1.987	1.756	1.510
HORIZONTAL SPREAD	2.731	2.727	2.727
VERTICAL SPREAD	2.955	2.494	1.902
DIAGN. SPREAD	3.961	2.929	2.762
SHOTS IN ONE INCH CIRCLE =	1		
SHOTS IN TWO INCH CIRCLE =	5		
SHOTS IN THREE INCH CIRCLE =	7		

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6666102

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 8

HS= 3.030

VS= 1.431

GS= 3.049

CENTROID #

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.501	1.331	.607
MINIMUM X	-1.529	-.715	-.548
MAXIMUM Y	.831	.863	.860
MINIMUM Y	-.600	-.568	-.571
CENTROID X	-.064	.106	-.061
CENTROID Y	.195	.163	.166
POA TO CENTROID in.	.205	.194	.176
MIN RADIUS	.354	.181	.346
MEAN RADIUS	.775	.677	.583
MAX RADIUS	1.556	1.332	1.053
HORIZONTAL SPREAD	3.030	2.046	1.155
VERTICAL SPREAD	1.431	1.431	1.431
EXTREME SPREAD	3.049	2.047	1.780
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6666102

CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 8

HS = 3.573

VS = 2.768

GS = 3.939

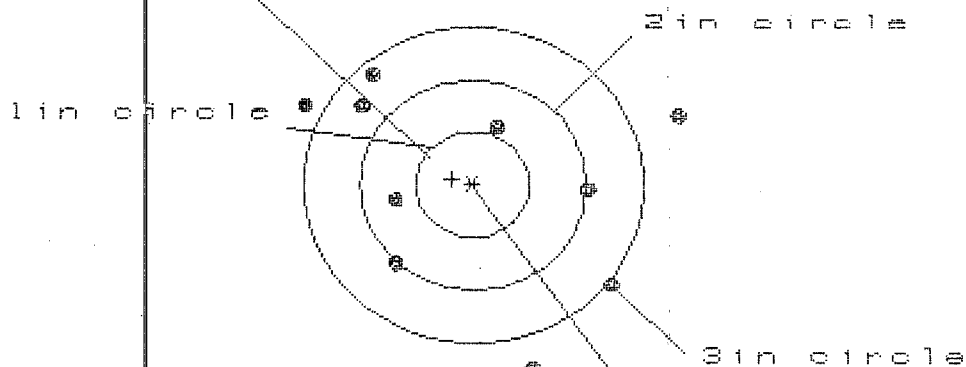
PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	2.493	.925	.825
MINIMUM X	-1.080	-.803	-.739
MAXIMUM Y	1.045	1.038	.821
MINIMUM Y	-1.723	-1.730	-1.589
CENTROID X	.067	-.210	-.110
CENTROID Y	-.348	-.341	-.124
POA TO CENTROID in.	.354	.400	.166
MIN RADIUS	.162	.117	.103
MEAN RADIUS	1.089	.905	.716
MAX RADIUS	2.494	1.908	1.623
HORIZONTAL SPREAD	3.573	1.728	1.564
VERTICAL SPREAD	2.768	2.768	2.410
EXTREME SPREAD	3.939	2.988	2.590
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		8	

15 Nov 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8666102

CENTERFIRE PATTERNS # 4

POA



OF SHOTS - 10

IN CIR

1in = 0

2in = 4

3in = 6

HS = 3.385

VS = 2.783

GS = 3.386

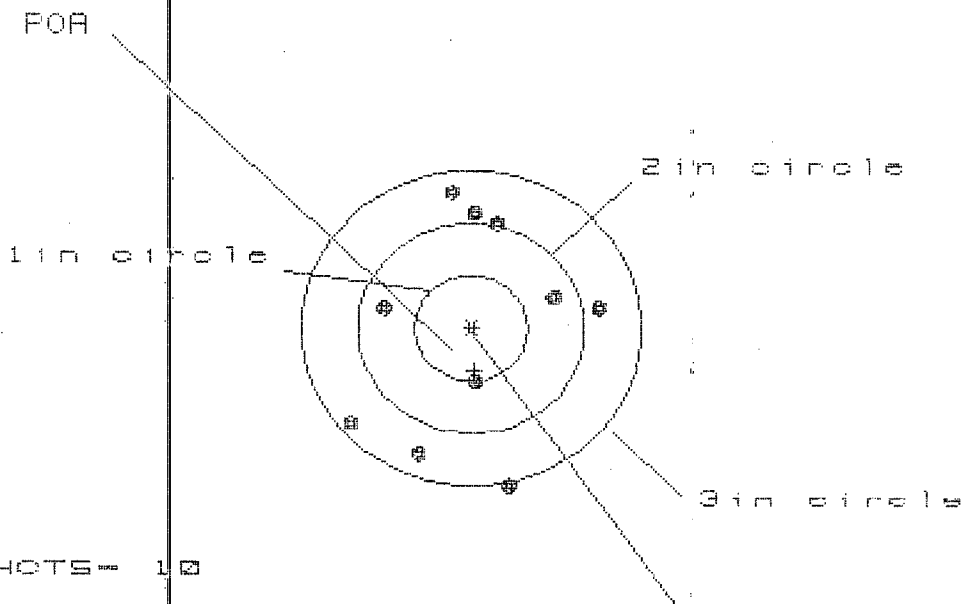
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.853	1.380	1.473
MINIMUM X	-1.531	-1.326	-1.233
MAXIMUM Y	1.025	1.094	.883
MINIMUM Y	-1.758	-1.689	-1.110
CENTROID X	.184	-.021	-.114
CENTROID Y	-.055	-.124	.087
POA TO CENTROID in.	.193	.126	.144
MIN RADIUS	.567	.521	.520
MEAN RADIUS	1.289	1.191	1.077
MAX RADIUS	1.954	1.846	1.845
HORIZONTAL SPREAD	3.385	2.706	2.706
VERTICAL SPREAD	2.783	2.783	1.993
EXTREME SPREAD	3.386	3.226	3.188
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	6		

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6666102

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 3

3 in = 9

HS= 2.166

VS= 2.767

GS= 2.807

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.099	1.136	1.007
MINIMUM X	-1.067	-1.030	-0.888
MAXIMUM Y	1.256	1.089	.953
MINIMUM Y	-1.511	-1.348	-1.484
CENTROID X	-.029	-.066	.063
CENTROID Y	.402	.569	.705
POA TO CENTROID in.	.403	.573	.708
MIN RADIUS	.514	.686	.657
MEAN RADIUS	1.092	1.026	.937
MAX RADIUS	1.546	1.495	1.595
HORIZONTAL SPREAD	2.166	2.166	1.895
VERTICAL SPREAD	2.767	2.437	2.437
EXTREME SPREAD	2.807	2.461	2.461
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		3	
NUMBER IN THREE INCH CIRCLE =		9	