

C6611711

MODEL 760™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0034640

UPC



Remington REG. U.S. PAT. & TM. OFF.		VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.
MODEL 700™ M24		SERIAL NO. C6611711
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.		ORDER NO. 5716

46



5716 C6611711

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 00340034679

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6611711

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 28	9 1	RW
600	Proof	3 28	9 1	RW
607	Check Headspace	3 28	9 1	RW
610	Dis-assemble Gun	28	9 1	RW
612	Magnaflux Barrel Action	APR	2 1991	KR
	Magnaflux Bolt	APR	2 1991	U
615	Rollmark Caliber	APR	2 1991	GS
617	Drill and Tap Sight Holes	APR	5 1991	LB
618	Polish Barrel	APR	5 1991	WB
620	Apply Coatings (Barrel Action)		4-9-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/10/91	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/10/91	RW
	C) Inspect Ejector Hole for Chamfer		4/10/91	RW
	D) Oil Firing Pin Ass'y		4/10/91	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4/18/91	JL

op. #	BARBER M24 0034642	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			4/18/91	JL
	G) Safety Off Force	4	4	4			4/18/91	JL
	H) Trigger Pull Test & Retainability						4/18/91	JL
	I) Firing Pin Indent	.021	.022	.022			4/18/91	JL
	J) Assemble Stock						4/18/91	RW
	K) Assemble Swivel Studs						4-22-91	DH
	L) Attach Front and Rear Sight Assemblies						4/18/91	RW
	M) Iron Sight Alignment						4/18/91	RW
	N) Detach Front & Rear Sights & place in numbered container						4/18/91	RW
	O) Attach Scope to Rifle						4/18/91	RW
	P) Detach & Attach Scope 20 Times						4/18/91	RW
640	Gallery Target & Test						4/18/91	KJ
	A) Time						"	KJ
	B) Malfunctions						"	KJ
	C) Pierced Primers						"	KJ
	D) Optical Clarity of Scope						"	KJ
645	Inspect for Live Ammo						4/18/91	KJ
655	Final Inspection							
	A) Headspace						4-22-91	DH
	B) Trigger Pull	2.41	2.39	2.41	2.37	2.38	4/22/91	JL
	C) Function						4-22-91	DH
660	Pack						6-18-91	LF

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C 66 11711

DATE 4/18/91

TESTER J21

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.40	2.41	2.43	2.41	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.35	2.24	2.46	2.39	
PULL #3	2.37	2.45	2.44	2.41	
PULL #4	2.20	2.48	2.49	2.37	
PULL #5	2.38	2.39	2.38	2.38	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.55	3.51		
PULL #2	3.51	3.39		
PULL #3	3.47	3.45		
PULL #4	3.45	3.46		
PULL #5	3.39	3.48		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.41		4.55
PULL #2	4.39	4.41		4.48
PULL #3	4.40	4.42		4.42
PULL #4	4.40	4.43		4.52
PULL #5	4.40	4.40		4.54
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C661 ~~1711~~
18 Apr 1991

CENTROIDAL DISTANCES

0 TO	1	.336251
1 TO	2	.181665
1 TO	3	.264643
1 TO	4	.285394
1 TO	5	.377359

 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0726
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.188
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .291531
THE AMR FOR THIS RIFLE IS: .8536

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611711

CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle

OF SHOTS = 10

IN CIR

1 in = 2

2 in = 6

3 in = 10

HS = 2.024

VS = 2.167

GS = 2.236

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.995	1.059	.769
MINIMUM X	-1.029	-.965	-.832
MAXIMUM Y	1.151	.621	.478
MINIMUM Y	-1.016	-.888	-.810
CENTROID X	.013	-.051	-.184
CENTROID Y	-.336	-.464	-.542
POA TO CENTROID in.	.337	.467	.572
MIN RADIUS	.132	.058	.154
MEAN RADIUS	.735	.642	.563
MAX RADIUS	1.289	1.228	.929
HORIZONTAL SPREAD	2.024	2.024	1.601
VERTICAL SPREAD	2.167	1.509	1.288
EXTREME SPREAD	2.236	2.044	1.620
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611711

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS = 2.493

VS = 3.797

GS = 4.093

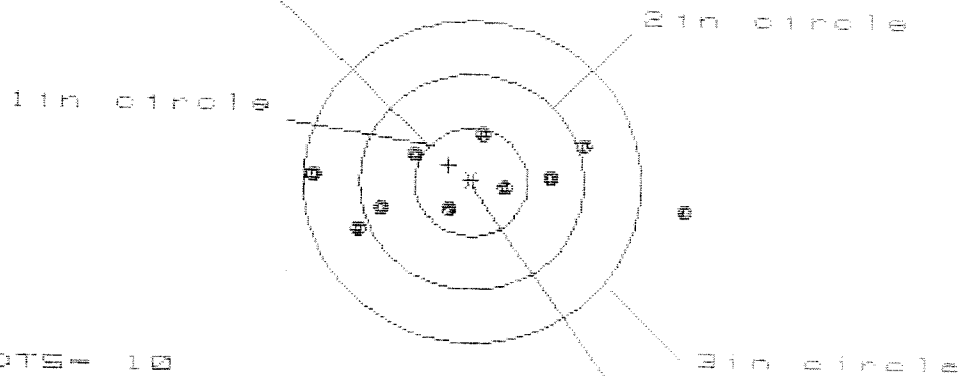
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.392	1.460	1.354
MINIMUM X	:	-1.101	-1.033	-1.139
MAXIMUM Y	:	1.395	1.128	1.018
MINIMUM Y	:	-2.402	-1.366	-1.225
CENTROID X	:	.164	.096	.202
CENTROID Y	:	-.437	-.170	-.311
POA TO CENTROID in.	:	.467	.196	.371
MIN RADIUS	:	.239	.241	.131
MEAN RADIUS	:	1.237	1.061	1.005
MAX RADIUS	:	2.479	1.520	1.449
HORIZONTAL SPREAD	:	2.493	2.493	2.493
VERTICAL SPREAD	:	3.797	2.494	2.243
EXTREME SPREAD	:	4.093	2.667	2.667
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6611711

CENTERFIRE PATTERNS # 3

POA



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 9

HS= 3.306

VS= .879

GS= 3.322

CENTROID *

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.878	1.200	1.048
MINIMUM X	:	-1.428	-1.219	-.968
MAXIMUM Y	:	.439	.412	.428
MINIMUM Y	:	-.448	-.467	-.459
CENTROID X	:	.207	-.002	.150
CENTROID Y	:	-.156	-.129	-.137
POA TO CENTROID in.	:	.259	.129	.203
MIN RADIUS	:	.328	.247	.308
MEAN RADIUS	:	.867	.735	.666
MAX RADIUS	:	1.894	1.232	1.086
HORIZONTAL SPREAD	:	3.306	2.419	2.016
VERTICAL SPREAD	:	.879	.879	.879
EXTREME SPREAD	:	3.322	2.429	2.150
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

18 Apr 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8811711

CENTERFIRE PATTERNS

4

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 5

2 in = 9

3 in = 10

HS= 1.761

VS= 1.100

GS= 1.783

CENTROID #

PATTERN #

4

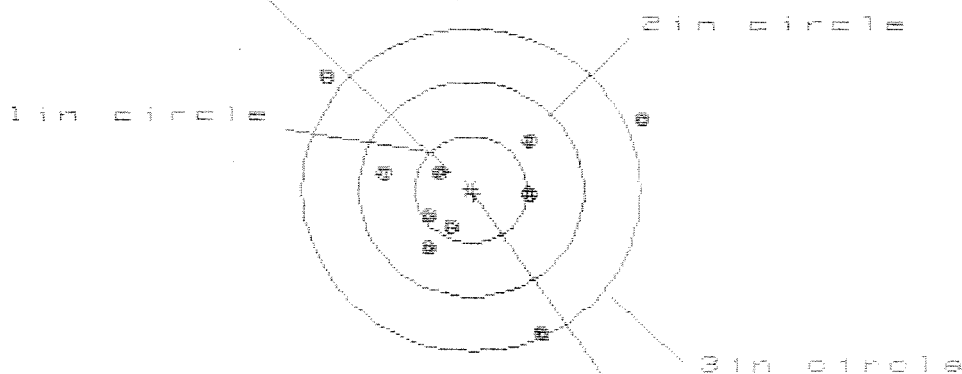
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.632	.506	.395
MINIMUM X	:	-1.129	-.987	-.418
MAXIMUM Y	:	.440	.437	.433
MINIMUM Y	:	-.660	-.663	-.667
CENTROID X	:	-.002	.124	.235
CENTROID Y	:	-.051	-.048	-.044
POA TO CENTROID in.	:	.051	.133	.239
MIN RADIUS	:	.197	.117	.132
MEAN RADIUS	:	.566	.481	.415
MAX RADIUS	:	1.130	.887	.667
HORIZONTAL SPREAD	:	1.761	1.393	.813
VERTICAL SPREAD	:	1.100	1.100	1.100
EXTREME SPREAD	:	1.783	1.432	1.159
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	9		
NUMBER IN THREE INCH CIRCLE	=	10		

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FILE:/PATTERNING/CENTERFIRE_PATT/C8611711

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 8

HS= 2.746

VS= 2.421

GS= 3.082

CENTROID #

PATTERN #

5

SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.505	1.367	.699
MINIMUM X	-1.241	-.934	-.763
MAXIMUM Y	1.093	.747	.655
MINIMUM Y	-1.328	-1.206	-1.113
CENTROID X	-.019	.119	-.052
CENTROID Y	.040	-.082	-.175
POA TO CENTROID in.	.044	.144	.183
MIN RADIUS	.362	.370	.175
MEAN RADIUS	.863	.780	.635
MAX RADIUS	1.654	1.550	1.314
HORIZONTAL SPREAD	2.746	2.301	1.462
VERTICAL SPREAD	2.421	1.953	1.768
EXTREME SPREAD	3.082	2.351	2.074
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		7	
NUMBER IN THREE INCH CIRCLE =		8	