

06648970

MODEL 700™ M24

Model **SMS**™

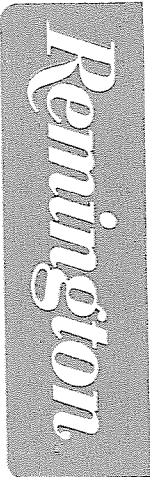
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



BARBER - M24 0030125

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

Remington®

REG. U.S. PAT. & TM. OFF.

DUPONT

MODEL 700™ M24

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

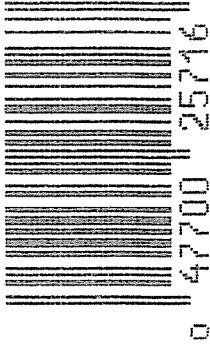
SERIAL NO.
C6648970

ORDER NO.
5716

20

5716 C6648970

UPC



CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0030125 0030164

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C 6648970

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/24/91	KH
600	Proof		7/24/91	KH
607	Check Headspace		7/24/91	KH
610	Dis-assemble Gun		7/24/91	KH
612	Magnaflux Barrel Action	AUG 7 1991		K.R
	Magnaflux Bolt	AUG 7 1991		K.R
615	Rollmark Caliber	AUG 7 1991		LS
617	Drill and Tap Sight Holes	AUG 7 1991		LB
618	Polish Barrel	AUG 13 1991		WB
620	Apply Coatings (Barrel Action)		7/27/91	HA
	Apply Coating (Bolt)			HA
625	Final Assembly A) Clean inside of Bolt Assembly		8/29/91	KH
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/29/91	KH
	C) Inspect Ejector Hole for Chamfer		8/29/91	KH
	D) Oil Firing Pin Ass'y		8/29/91	KH
	E) Adjust Trigger Pull to Min Setting and Stake		8/30/91	HA

op. #	BARBER M24 0030127	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8/30/91	gry
	G) Safety Off Force	2	2	3			8/30/91	gry
	H) Trigger Pull Test & Retainability						8/30/91	gry
	I) Firing Pin Indent	.0215	.0215	.0215			8/30/91	gry
	J) Assemble Stock						8/30/91	gry
	K) Assemble Swivel Studs						9-10-91	DH
	L) Attach Front and Rear Sight Assemblies						8/30/91	gry
	M) Iron Sight Alignment						8/30/91	gry
	N) Detach Front & Rear Sights & place in numbered container						8/30/91	gry
	O) Attach Scope to Rifle						8/30/91	gry
	P) Detach & Attach Scope 20 Times						8/30/91	gry
640	Gallery Target & Test						9-4-91	AC
	A) Time						9-4-91	AC
	B) Malfunctions						9-4-91	AC
	C) Pierced Primers						9-4-91	AC
	D) Optical Clarity of Scope						9-4-91	AC
645	Inspect for Live Ammo						9-4-91	AC
655	Final Inspection						9-10-91	DH
	A) Headspace						9-10-91	DH
	B) Trigger Pull	2.59	2.60	2.36	2.46	2.48	9-6-91	gry
	C) Function						9-10-91	DH
660	Pack						9-15-91	AC

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. Q-6648970

DATE 8/30/91

TESTER JUL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.24	2.30	2.28	2.59	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.28	2.30	2.25	2.40	
PULL #3	2.29	2.20	2.30	2.36	
PULL #4	2.29	2.24	2.33	2.46	
PULL #5	2.29	2.24	2.25	2.48	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.25	3.40		
PULL #2	3.22	3.50		
PULL #3	3.23	3.28		
PULL #4	3.39	3.50		
PULL #5	3.40	3.46		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.43	4.35		4.44
PULL #2	4.38	4.38		4.36
PULL #3	4.37	4.40		4.42
PULL #4	4.41	4.42		4.42
PULL #5	4.38	4.38		4.50
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6648970
4 Sep 1991

CENTROIDAL DISTANCES

0 TO	1	.4912
1 TO	2	.330823
1 TO	3	.574917
1 TO	4	.78154
1 TO	5	.683457

4.21 (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0476
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.061
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0773742
THE AMP FOR THIS RIFLE IS: .7438

4 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B970

CENTERFIRE PATTERNS # 1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS = 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 3.271

VS = 1.466

GS = 3.284

PATTERN #

SHOTS (BEST OF)

	10	9	8
MAXIMUM X	1.429	1.225	.826
MINIMUM X	-1.842	-1.084	-.931
MAXIMUM Y	.680	.637	.619
MINIMUM Y	-.786	-.829	-.847
CENTROID X	.469	.673	.520
CENTROID Y	.146	.189	.207
POA TO CENTROID in.	.491	.699	.560
MIN RADIUS	.241	.229	.265
MEAN RADIUS	.878	.731	.677
MAX RADIUS	1.883	1.257	1.118
HORIZONTAL SPREAD	3.271	2.309	1.757
VERTICAL SPREAD	1.466	1.466	1.466
EXTREME SPREAD	3.284	2.437	1.758
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

4 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6648970

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 5

2in = 8

3in = 10

HS= 1.434

VS= 1.614

GS= 2.077

PATTERN #	2	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.939	1.034	.405
MINIMUM X	-.495	-.400	-.271
MAXIMUM Y	.886	.501	.451
MINIMUM Y	-.728	-.630	-.680
CENTROID X	.157	.062	-.067
CENTROID Y	.036	-.062	-.012
POA TO CENTROID in.	.161	.088	.068
MIN RADIUS	.087	.224	.280
MEAN RADIUS	.582	.523	.436
MAX RADIUS	1.230	1.109	.718
HORIZONTAL SPREAD	1.434	1.434	.676
VERTICAL SPREAD	1.614	1.131	1.131
EXTREME SPREAD	2.077	1.695	1.132
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

4 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C864B370

CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS= 10

IN CIR

1in = 5

2in = 7

3in = 8

HS= 3.097

VS= 1.768

GS= 3.431

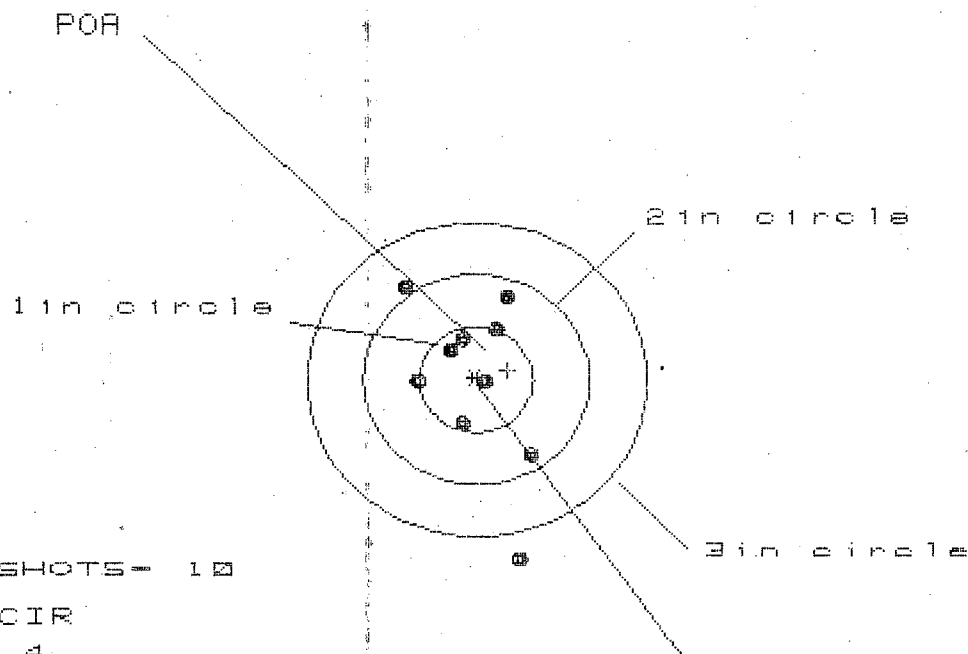
PATTERN #	10	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.755	.415	.272
MINIMUM X	-1.343	-1.148	-.797
MAXIMUM Y	.977	1.053	.964
MINIMUM Y	-.791	-.715	-.556
CENTROID X	-.028	-.222	-.079
CENTROID Y	-.143	-.219	-.130
POA TO CENTROID in.	.146	.312	.152
MIN RADIUS	.165	.133	.160
MEAN RADIUS	.781	.661	.555
MAX RADIUS	1.884	1.352	.972
HORIZONTAL SPREAD	3.097	1.563	1.069
VERTICAL SPREAD	1.768	1.768	1.520
EXTREME SPREAD	3.431	2.287	1.779
NUMBER IN ONE INCH CIRCLE	= 5		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 8		

4 Sep 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6646970

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1in = 4

2in = 8

3in = 9

HS= 1.068

VS= 2.519

GS= 2.703

PATTERN #

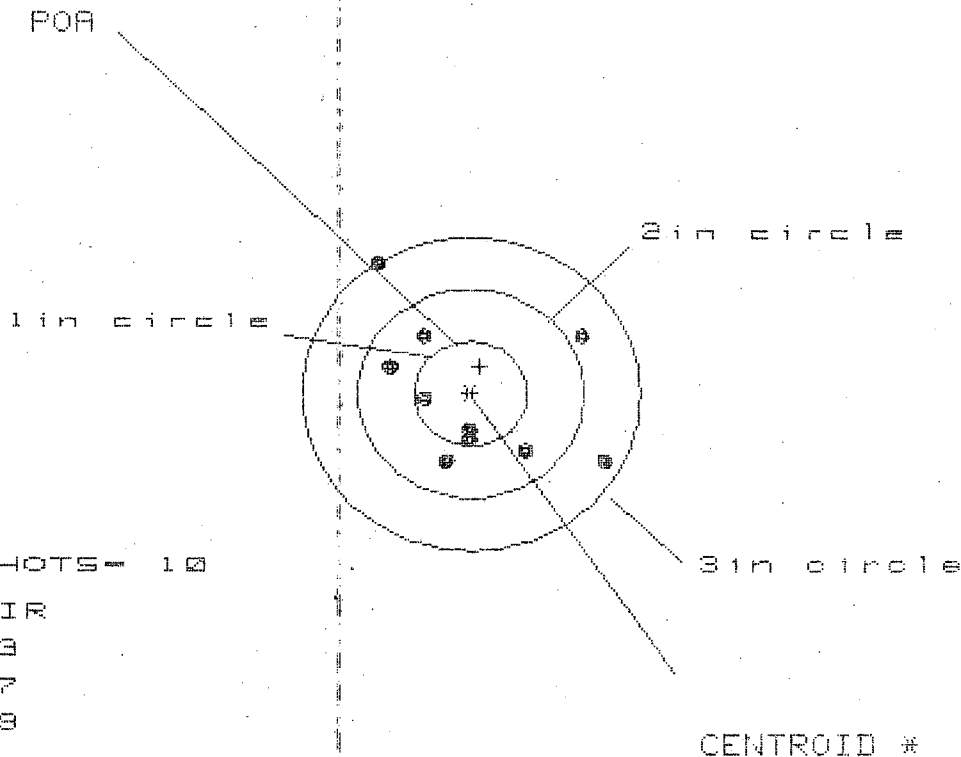
SHOTS (BEST OF)

	10	9	8
MAXIMUM X	.490	.534	.468
MINIMUM X	-.578	-.534	-.536
MAXIMUM Y	.855	.670	.678
MINIMUM Y	-1.664	-.851	-.767
CENTROID X	-.277	-.321	-.255
CENTROID Y	-.087	.098	.014
POA TO CENTROID in.	.290	.336	.255
MIN RADIUS	.121	.194	.180
MEAN RADIUS	.670	.521	.484
MAX RADIUS	1.712	1.005	.898
HORIZONTAL SPREAD	1.068	1.068	1.004
VERTICAL SPREAD	2.519	1.521	1.445
EXTREME SPREAD	2.703	1.859	1.455
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		8	
NUMBER IN THREE INCH CIRCLE =		9	

4 Sep 1991

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 2.043

VS= 1.976

GS= 2.842

PATTERN #	5	6	7
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.224	1.134	1.004
MINIMUM X	-.819	-.847	-.706
MAXIMUM Y	1.297	.709	.643
MINIMUM Y	-.679	-.535	-.542
CENTROID X	-.083	.008	-.133
CENTROID Y	-.257	-.401	-.335
POA TO CENTROID in.	.270	.401	.360
MIN RADIUS	.347	.217	.277
MEAN RADIUS	.808	.702	.617
MAX RADIUS	1.534	1.253	1.188
HORIZONTAL SPREAD	2.043	1.981	1.710
VERTICAL SPREAD	1.976	1.244	1.185
EXTREME SPREAD	2.842	2.184	1.739
NUMBER IN ONE INCH CIRCLE	= 3		
NUMBER IN TWO INCH CIRCLE	= 7		
NUMBER IN THREE INCH CIRCLE	= 9		