

C6594661

MODEL 700™ M24

Model **SMS**™

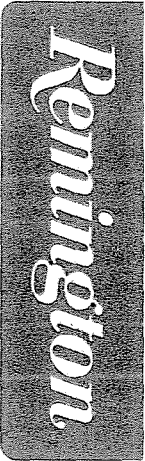
Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

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

DUPONT

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

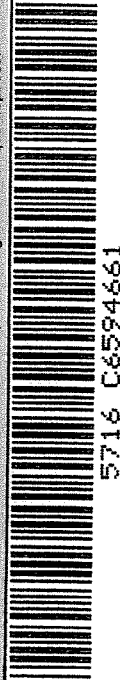
MODEL 700™ H24

SERIAL NO.
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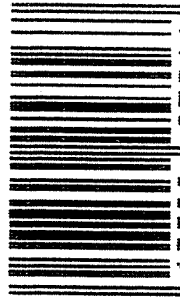
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

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5716 C6594661

UPC



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CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6594661

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		3/19/91	K.S.
600	Proof		3/19/91	K.S.
607	Check Headspace		3/19/91	K.S.
610	Dis-assemble Gun		3/19/91	K.S.
612	Magnaflux Barrel Action		3/28/91	KR
	Magnaflux Bolt		11	CC
615	Rollmark Caliber		11	GB
617	Drill and Tap Sight Holes		APR 3 1991	FB
618	Polish Barrel		APR 3 1991	WB
620	Apply Coatings (Barrel Action)		4/16/91	11
	Apply Coating (Bolt)			11
625	Final Assembly A) Clean inside of Bolt Assembly		5/1/91	K.S.
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/1/91	K.S.
	C) Inspect Ejector Hole for Chamfer		5/1/91	K.S.
	D) Oil Firing Pin Ass'y		5/1/91	K.S.
	E) Adjust Trigger Pull to Min Setting and Stake		5-10-91	D/H

op. BARBER - M24-0021314		READINGS				DATE	INIT	
625 cont.	F) Safety On Force	5	4	4		5-10-91	K	
	G) Safety Off Force	4	3	3		5-10-91	K	
	H) Trigger Pull Test & Retainability					5-10-91	DH	
	I) Firing Pin Indent	.20	.22	.20		5-10-91	AC	
	J) Assemble Stock					5-10-91	KS	
	K) Assemble Swivel Studs					5-20-91	K	
	L) Attach Front and Rear Sight Assemblies					5-10-91	KS	
	M) Iron Sight Alignment					5-10-91	KS	
	N) Detach Front & Rear Sights & place in numbered container					5-10-91	KS	
	O) Attach Scope to Rifle					5-10-91	KS	
	P) Detach & Attach Scope 20 Times					5-10-91	KS	
640	Gallery Target & Test					5-15-91	AF	
	A) Time					"	AF	
	B) Malfunctions					"	AF	
	C) Pierced Primers					"	AF	
	D) Optical Clarity of Scope					"	AF	
645	Inspect for Live Ammo					5-15-91	AF	
655	Final Inspection							
	A) Headspace					5-20-91	K	
	B) Trigger Pull	2.42	2.38	2.42	2.44	2.43	5-20-91	AF
	C) Function						5-20-91	K
660	Pack						6-17-91	DH

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6594661DATE 5-10-91TESTER D.H.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.69	2.55	2.64	2.42	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.65	2.58	2.53	2.38	
PULL #3	2.59	2.55	2.70	2.42	
PULL #4	2.66	2.58	2.58	2.44	
PULL #5	2.66	2.56	2.63	2.43	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.29	3.13		
PULL #2	3.32	3.20		
PULL #3	3.37	3.30		
PULL #4	3.26	3.24		
PULL #5	3.33	3.27		
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	4.39		4.16
PULL #2	4.32	4.42		4.47
PULL #3	4.41	4.13		4.40
PULL #4	4.39	4.44		4.46
PULL #5	4.45	4.27		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6594661
15 May 1991

CENTROIDAL DISTANCES

0 TO	1	.458917
1 TO	2	.468875
1 TO	3	.550052
1 TO	4	.127988
1 TO	5	.318512

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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0382
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.2052
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .208725
THE RMR FOR THIS RIFLE IS: 1.007

15 May 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6594661

CENTERFIRE PATTERNS

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS - 10

IN CIR

1in = 2

2in = 4

3in = 9

HS= 1.640

VS= 2.856

GS= 2.991

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.014	1.054	.992
MINIMUM X	-.625	-.586	-.648
MAXIMUM Y	1.486	1.083	.932
MINIMUM Y	-1.370	-1.205	-1.100
CENTROID X	-.067	-.106	-.044
CENTROID Y	-.454	-.619	-.468
POA TO CENTROID in.	.459	.628	.470
MIN RADIUS	.424	.564	.435
MEAN RADIUS	.966	.923	.937
MAX RADIUS	1.527	1.303	1.222
HORIZONTAL SPREAD	1.640	1.640	1.640
VERTICAL SPREAD	2.856	2.288	2.032
EXTREME SPREAD	2.991	2.472	2.169
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	4		
NUMBER IN THREE INCH CIRCLE =	9		

15 May 1991

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CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 2

2 in - 5

3 in - 5

HS= 2.834

VS= 2.923

GS= 3.303

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.486	1.547	1.585
MINIMUM X	:	-1.348	-1.183	-1.145
MAXIMUM Y	:	1.738	1.607	1.584
MINIMUM Y	:	-1.185	-1.187	-0.987
CENTROID X	:	.303	.138	.100
CENTROID Y	:	-.166	-.035	-.235
POA TO CENTROID in.	:	.346	.142	.256
MIN RADIUS	:	.122	.150	.274
MEAN RADIUS	:	1.145	1.051	.964
MAX RADIUS	:	1.900	1.950	1.867
HORIZONTAL SPREAD	:	2.834	2.730	2.730
VERTICAL SPREAD	:	2.923	2.794	2.571
EXTREME SPREAD	:	3.303	3.138	3.138
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		5	

15 May 1991

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 1

2in = 4

3in = 8

HS= 2.672

VS= 3.290

GS= 3.351

CENTROID #

PATTERN #	:	10	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.096	1.109	.913
MINIMUM X	:	-1.576	-1.563	-1.265
MAXIMUM Y	:	1.266	1.041	1.044
MINIMUM Y	:	-2.024	-1.170	-1.167
CENTROID X	:	-.033	-.046	.150
CENTROID Y	:	.095	.320	.317
POA TO CENTROID in.	:	.101	.323	.351
MIN RADIUS	:	.499	.492	.417
MEAN RADIUS	:	1.116	.985	.886
MAX RADIUS	:	2.027	1.563	1.346
HORIZONTAL SPREAD	:	2.672	2.672	2.178
VERTICAL SPREAD	:	3.290	2.211	2.211
EXTREME SPREAD	:	3.351	2.702	2.391
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		4	
NUMBER IN THREE INCH CIRCLE	=		8	

15 May 1991

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CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in - 5

2 in - 6

3 in - 9

HS= 1.716

VS= 3.248

GS= 3.292

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.873	.840	.867
MINIMUM X	-.843	-.876	-.849
MAXIMUM Y	1.310	1.095	1.179
MINIMUM Y	-1.938	-.846	-.709
CENTROID X	.024	.057	.030
CENTROID Y	-.364	-.149	-.286
POA TO CENTROID in.	.365	.159	.287
MIN RADIUS	.248	.279	.293
MEAN RADIUS	.833	.703	.632
MAX RADIUS	1.960	1.192	1.179
HORIZONTAL SPREAD	1.716	1.716	1.716
VERTICAL SPREAD	3.248	1.941	1.888
EXTREME SPREAD	3.292	2.075	2.075
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	9		

15 May 1991

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CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS - 10

IN CIR

1in = 4

2in = 6

3in = 7

HS = 2.148

VS = 2.989

GS = 3.394

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.113	.998	.393
MINIMUM X	-1.035	-.459	-.335
MAXIMUM Y	1.415	1.251	1.376
MINIMUM Y	-1.574	-1.738	-1.613
CENTROID X	-.036	.079	-.045
CENTROID Y	-.137	.027	-.098
POA TO CENTROID in.	.141	.084	.108
MIN RADIUS	.203	.271	.237
MEAN RADIUS	.975	.867	.793
MAX RADIUS	1.797	1.762	1.621
HORIZONTAL SPREAD	2.148	1.457	.728
VERTICAL SPREAD	2.989	2.989	2.989
EXTREME SPREAD	3.394	3.022	2.994
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	7		