

C6611823

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

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

MODEL 700™ H24

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

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

SERIAL NO.
 C6611823

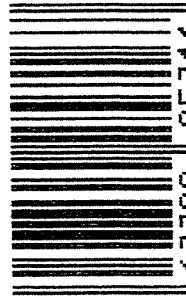
ORDER NO.
 5716

20



5716 C6611823

UPC



0 47700 25716 7

GFM

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C6611823

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		1/22/91	KS
600	Proof		1/22/91	KS
607	Check Headspace		1/22/91	KS
610	Dis-assemble Gun		1/22/91	KS
612	Magnaflux Barrel Action		1/29/91	KR
	Magnaflux Bolt		11	KR
615	Rollmark Caliber		11	LS
617	Drill and Tap Sight Holes	2 2 91	2 2 91	WB
618	Polish Barrel <i>ABB</i>	2 2 91	2 2 91	WB
620	Apply Coatings (Barrel Action)		2/1/91	WB
	Apply Coating (Bolt)		2/1/91	WB
625	Final Assembly		2/10/91	Kd
	A) Clean inside of Bolt Assembly		2/18/91	Kd
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		2/18/91	Kd
	C) Inspect Ejector Hole for Chamfer		2/18/91	Kd
	D) Oil Firing Pin Ass'y		2/18/91	Kd
	E) Adjust Trigger Pull to Min Setting and Stake		2/20/91	JS

op. #	NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5 1/2	5 1/2	5 1/2			2/20/91	WLB
	G) Safety Off Force	2	2	2			2/20/91	WLB
	H) Trigger Pull Test & Retainability						2/20/91	WLB
	I) Firing Pin Indent	.0215	.0215	.0215			2/20/91	WLB
	J) Assemble Stock						2/20/91	WLB
	K) Assemble Swivel Studs						2-26-91	AC
	L) Attach Front and Rear Sight Assemblies						2/20/91	WLB
	M) Iron Sight Alignment						2/20/91	WLB
	N) Detach Front & Rear Sights & place in numbered container						2/20/91	WLB
	O) Attach Scope to Rifle						2/20/91	WLB
	P) Detach & Attach Scope 20 Times						2/20/91	WLB
640	Gallery Target & Test						2/25/91	WLB
	A) Time						"	10
	B) Malfunctions						"	10
	C) Pierced Primers						"	10
	D) Optical Clarity of Scope						"	10
645	Inspect for Live Ammo						2/25/91	WLB
655	Final Inspection							
	A) Headspace						2-26-91	AC
	B) Trigger Pull	2.92	2.25	2.25	2.45	2.41	2/26/91	WLB
	C) Function						2-26-91	AC
660	Pack						3-18-91	WLB

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06611823

DATE 2/20/91

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.31	2.45	2.33	2.22	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.19	2.50	2.48	2.25	
PULL #3	2.31	2.49	2.21	2.25	
PULL #4	2.33	2.41	2.33	2.45	
PULL #5	2.25	2.35	2.35	2.41	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.40	3.41		
PULL #2	3.51	3.38		
PULL #3	3.38	3.47		
PULL #4	3.42	3.40		
PULL #5	3.24	3.39		
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	4.38		4.44
PULL #2	4.39	4.38		4.38
PULL #3	4.35	4.37		4.30
PULL #4	4.26	4.37		4.37
PULL #5	4.42	4.47		4.32
TOTAL				
AVG.				

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6611823
26 Feb 1991

CENTROIDAL DISTANCES

0 TO	1	.325509
1 TO	2	.173416
1 TO	3	.153844
1 TO	4	.390643
1 TO	5	.361248

<----POA

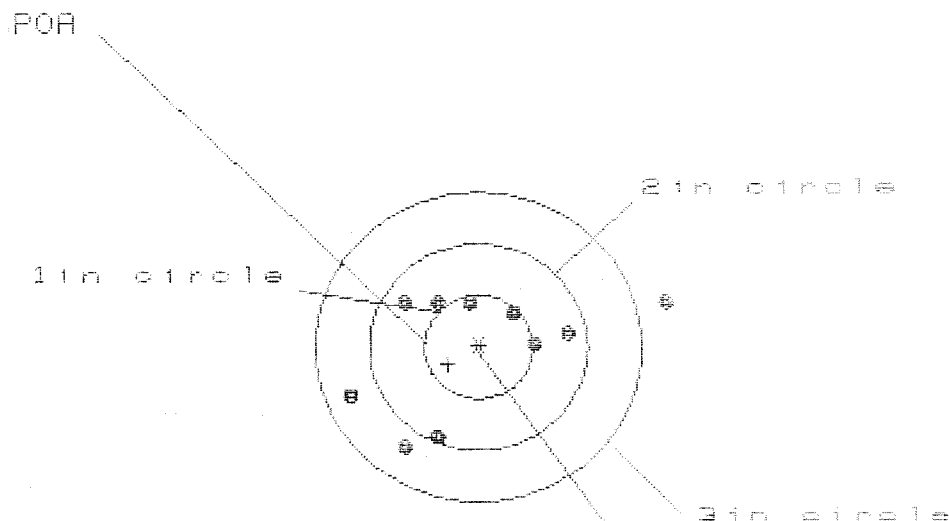
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .145
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0032
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .145035

THE AMR FOR THIS RIFLE IS: .863

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/06611823

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 3

2in = 7

3in = 9

HS= 2.992

VS= 1.465

GS= 3.140

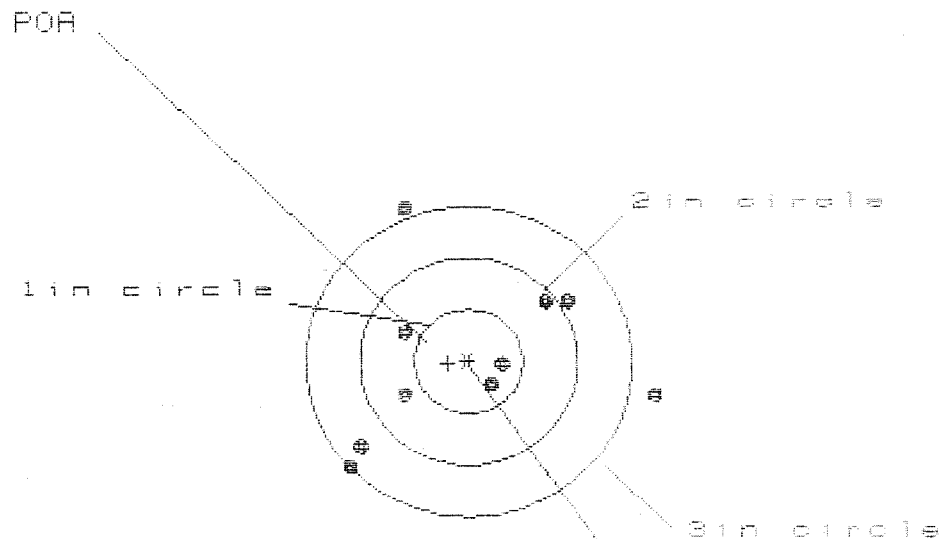
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.768	1.012	.884
MINIMUM X	-1.224	-1.028	-.637
MAXIMUM Y	.480	.529	.472
MINIMUM Y	-.985	-.936	-.993
CENTROID X	.280	.084	.212
CENTROID Y	.166	.116	.173
POA TO CENTROID in.	.325	.143	.274
MIN RADIUS	.448	.517	.438
MEAN RADIUS	.890	.789	.721
MAX RADIUS	1.823	1.125	1.180
HORIZONTAL SPREAD	2.992	2.040	1.521
VERTICAL SPREAD	1.465	1.465	1.465
EXTREME SPREAD	3.140	2.152	1.916
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611823

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.751

VS= 2.578

GS= 2.938

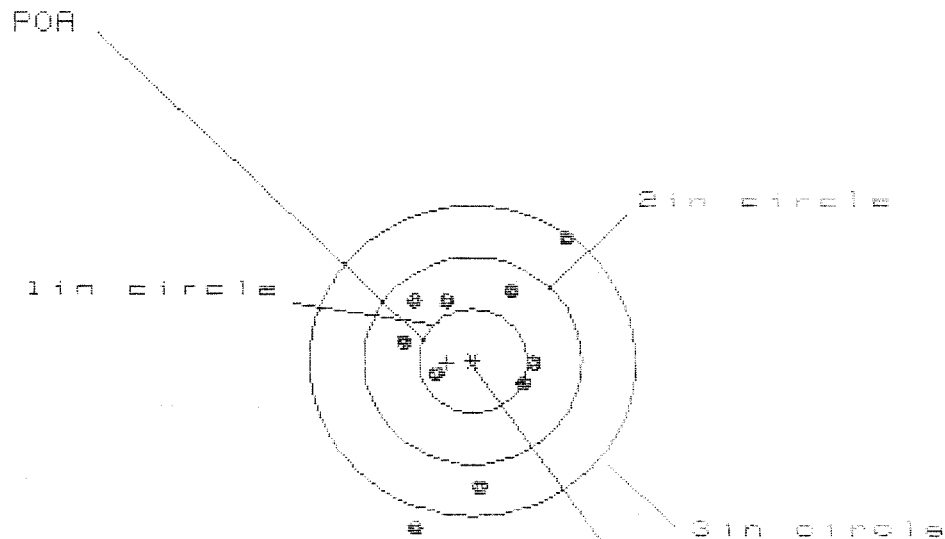
CENTROID #

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.665	1.111	1.060
MINIMUM X	:	-1.086	-1.901	-1.952
MAXIMUM Y	:	1.516	1.476	1.700
MINIMUM Y	:	-1.062	-1.102	-1.917
CENTROID X	:	.188	.003	.054
CENTROID Y	:	.019	.059	-1.126
POA TO CENTROID in.	:	.189	.059	.137
MIN RADIUS	:	.314	.477	.347
MEAN RADIUS	:	1.009	.934	.837
MAX RADIUS	:	1.702	1.530	1.322
HORIZONTAL SPREAD	:	2.751	2.012	2.012
VERTICAL SPREAD	:	2.578	2.578	1.617
EXTREME SPREAD	:	2.938	2.625	2.581
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

26 Feb 1981

FILE:/PATTERNING/CENTERFIRE_PATT/C6B11029

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 7

3 in = 9

HS= 1.461

VS= 2.805

GS= 3.106

CENTROID *

PATTERN #	3
SHOTS (BEST OF)	10
MAXIMUM X	.821
MINIMUM X	-.640
MAXIMUM Y	1.155
MINIMUM Y	-1.650
CENTROID X	.238
CENTROID Y	.018
POA TO CENTROID in.	.239
MIN RADIUS	.333
MEAN RADIUS	.855
MAX RADIUS	1.728
HORIZONTAL SPREAD	1.461
VERTICAL SPREAD	2.805
EXTREME SPREAD	3.106
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

28 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/08611823

CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

CENTROID *

OF SHOTS - 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 2.189

VS = 1.417

GS = 2.292

PATTERN #

4

SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.864	.716	.805
MINIMUM X	:	-1.325	-.829	-.740
MAXIMUM Y	:	.821	.833	.760
MINIMUM Y	:	-.596	-.584	-.625
CENTROID X	:	-.021	.127	.038
CENTROID Y	:	-.083	-.095	-.022
POA TO CENTROID in.	:	.086	.158	.044
MIN RADIUS	:	.136	.130	.076
MEAN RADIUS	:	.783	.632	.575
MAX RADIUS	:	1.329	.949	.914
HORIZONTAL SPREAD	:	2.189	1.545	1.545
VERTICAL SPREAD	:	1.417	1.417	1.385
EXTREME SPREAD	:	2.292	1.776	1.776
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		10	

26 Feb 1991

FILE:/PATTERNING/CENTERFIRE_PATT/05611023

CENTERFIRE PATTERNS # 5

POA

1in circle

2in circle

3in circle

OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 8

HS = 2.118

VS = 2.977

GS = 3.115

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.025
MINIMUM X	-1.093
MAXIMUM Y	1.694
MINIMUM Y	-1.283
CENTROID X	.040
CENTROID Y	-.104
POA TO CENTROID in.	.112
MIN RADIUS	.252
MEAN RADIUS	.858
MAX RADIUS	1.694
HORIZONTAL SPREAD	2.118
VERTICAL SPREAD	2.977
EXTREME SPREAD	3.115
NUMBER IN ONE INCH CIRCLE =	3
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	8